

# *The Top American Research Universities*

*2014 Annual Report*

*The Center for Measuring University Performance*

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## INTRODUCTION

*The Top American Research Universities* annual report for 2014 returns to the full format we have used in the past. While the smaller publication for the 2013 report had some virtues (primarily economy), a number of our colleagues commented on the missing materials previously available in the printed format. Even though all the data displayed in past reports remained available on The Center for Measuring University Performance (MUP) website at <http://mup.asu.edu> some of us still appreciated the traditional full physical publication. Thanks to the generous support of the University Libraries of the University of Massachusetts Amherst, we are able to return the physical publication of the annual report to its previous format as is evident in the list of items in the Table of Contents. As always the full data set is online at the MUP website with tables that can be analyzed and sorted on line through Tableau.

The work of the MUP Center, along with the annual report, has been fortunate to enjoy continuing sponsorship beginning with our first benefactor Mr. Lewis M. Schott

whose gift launched this project and sustained it for many years. Over the years, multiple institutions have contributed to the MUP Center's projects at various times. Currently the MUP Center has significant support from Arizona State University (Betty Phillips, MUP Center Director) and the University of Massachusetts Amherst (John Lombardi, MUP Center Director) that jointly provide the MUP Center's home and its publication. In addition, the MUP Center receives additional assistance from the University at Buffalo and the University of Florida. The MUP Center continues to rely on the advice and expertise of our Advisory Board and the exceptional expertise of our staff, listed at the back of this publication. Without these continued institutional and personal commitments, the MUP Center could not have sustained its work.

John V. Lombardi, Director  
(University of Massachusetts Amherst)

Elizabeth D. Capaldi Phillips, Director  
(Arizona State University)

## Tracking Academic Research Funding: The Competitive Context for the Last Ten Years

by Diane D. Craig and John V. Lombardi

In the intense competition for national and international prestige, universities seek funds from multiple sources to improve their research productivity and performance. As we have demonstrated elsewhere in the work of The Center for Measuring University Performance (MUP Center), the essential element for academic research success is money. While it is possible for a rich university to perform poorly in the research competition, poor institutions are unable to provide the resources needed for their faculty and staff to deliver significant amounts of high quality research. The cost is high because almost everything research requires is expensive. This is especially so in the most important domains of science and engineering, the primary benchmarks for academic institutional prestige.

Not only do science and engineering (S&E) projects require expensive space, elaborate equipment, and significant staff support, but faculty and other expert science and engineering personnel command high salaries and are often tempted by offers from competing institutions. Faculty mobility and the replacement of retiring colleagues generate additional costs as each new S&E faculty member comes with a requirement for extensive startup costs in equipment and

laboratories along with salaries for new highly specialized non-faculty technicians, post-docs, and stipends for graduate students. Frequently, as well, a new distinguished hire will bring along additional tenure level faculty colleagues in allied fields who will have their own startup costs.

Universities seek money for research from every possible source. Internal budgets from tuition and fees (and in public universities from state appropriations) provide core academic support and subsidize research expenses. In addition, donors, competitive federal grants, foundation grants, state government grants and contracts, local government projects, corporate contracts, and other grants or contracts from public or private agencies (domestic and international) all serve to sustain an institution's research mission.

This search for funding is particularly critical because few S&E or other research projects sponsored by outside agencies pay the full cost of producing the work. The difference between the sponsors' funding and what the work costs to deliver must be covered from some other source, usually internal university funds from tuition and fees, state appropriations, earnings on endowment, and

annual giving. While it may appear that increasing amounts of sponsored research is a good thing, generating more dollars to spend on research productivity and quality, the more sponsored research a university does the more internal funding is required to make up the difference between the sponsors' funds and the full cost of the work.

Increased scale in a university research enterprise, especially in S&E disciplines, however, does provide a significant benefit because the more research activity the university generates the more cost sharing is possible for administrative and especially regulatory support, infrastructure, and some equipment technicians. While many of these expenses are included in the indirect cost charged to grants, these payments generally cover only around 25% of the full cost.

## Distribution of Research Funding

In the MUP Center's work on the top American research universities we have focused on campus-based institutions with over \$40M in federal research support. In most of our prior work we have excluded medically-related and special-purpose institutions and analyzed a relatively homogeneous group of campus-based universities. However, in this essay, we have included all academic institutions reporting research funding to the NSF, although we maintain the dividing line between the major competitors with over \$40M in federal research expenditures and the less powerful institutions with less than \$40M. The difference between the two approaches reflects the slightly different purpose of the analysis.

Moreover, when looking at trends among institutions above and below the \$40M federal research cutoff we do not make adjustments for single campus as we typically do in our MUP reports. Since 2010 NSF has made significant improvements at collecting data at the single campus level and we now adjust only five campuses in our over \$40 million group—Cornell, Penn State, Connecticut, Kansas and Oklahoma—and report separately their main campus and medical campus. This year (and in most years) both the main and medical campuses of these five institutions are in the over \$40M group so breaking them out is unnecessary for this comparative analysis which focuses on the total academic research marketplace.

The competitive marketplace for all academic research funding reported to NSF, includes specialized institutions, medical-only institutions, and other research centers. In the MUP annual reports focused on university campuses, we sought to identify characteristics of institutional competitiveness among campus-based academic institutions with

undergraduate programs and major research establishments. This current work explores the structure of the total marketplace instead, and reviews changes in the amount of funding available in major disciplinary and subject categories over the past five to ten years.

Within this total marketplace, more than 900 institutions report data to the NSF, although some institutions at the bottom of the list do not always appear with data throughout the entire ten-year period. Of the 924 that reported in 2012, 165 report over \$40M in federal research expenditures. These 18% represent the top competitors in the American academic research marketplace controlling about 89% of the total research support reported. Even removing the smallest players in this market, those with less than one million in federal research expenditures per year, the top group maintains its dominant market share.

The dollar amounts of funding spent by institutions below the top group of 165 may appear small, especially recognizing the large number of academic organizations receiving some portion of the remaining 11% of funding. But, for individual institutions, the competition for external support is clearly significant, as the institutional publicity about the constant rearrangement of the research hierarchy below the top group demonstrates. For a university with a research portfolio of \$800 million in expenditures, an improvement or decline of \$5 million may not change their relative position among the top competitors, but for those institutions with \$5 to \$20 million in research expenditures, a change of \$5 million can move an institution's place many positions up or down on the list.

Within this marketplace for academic research funding (viewed over five and ten-year periods) this essay explores the following topics:

- Funding sources (federal or non-federal)
- Distribution of funding among the major categories of science and engineering (S&E) funding
- Distribution of funding among the major categories of non-science and engineering (non-S&E)
- Distribution of funding among subfields within the larger disciplinary categories.

The composition and distribution of funded research has become increasingly of interest as the general support for higher education from public and private sources has been in flux over the past decade, and improved reporting to the NSF by institutions permits a better understanding of the composition of academic research funding.

## Major Categories of Funding

To begin this conversation, we divide the research expenditure data provided by institutions to the NSF into two major categories, Science and Engineering (S&E) and all other fields (non-S&E). Within each of these major categories, we look at two subcategories based upon the source of funding: federal or non-federal.

In the Top American Research Universities data on the MUP Center website [<http://MUP.asu.edu>] we only include S&E expenditures in the Federal Research and Total Research measures. The NSF federal S&E research number is the measure used by many observers as a key variable for ranking academic research quality and productivity. The preference for this indicator reflects the very large proportion of federal research support allocated to science and engineering and the peer-review competitive process used to allocate most of the dollars included in this category. As mentioned above, throughout this essay, when we speak of “research funding” or “funding” we refer to the expenditure data reported to the NSF.

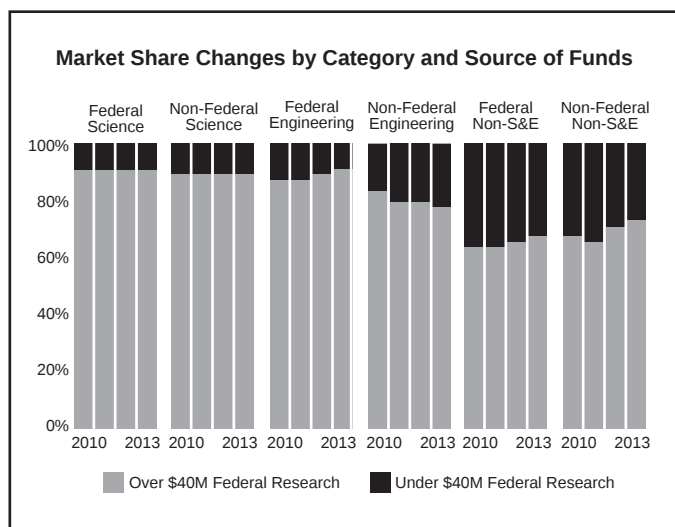
| Research Market by Category and Source |                        |               |
|----------------------------------------|------------------------|---------------|
| 2013 Academic R&D Expenditures         | Expenditures (in 000s) | % of Total    |
| <b>Science</b>                         |                        |               |
| Federal                                | \$ 31,801,289          | 47.4%         |
| Non-Federal                            | \$ 20,864,673          | 31.1%         |
| <b>Engineering</b>                     |                        |               |
| Federal                                | \$ 6,493,109           | 9.7%          |
| Non-Federal                            | \$ 4,235,576           | 5.3%          |
| <b>Non-S&amp;E</b>                     |                        |               |
| Federal                                | \$ 1,175,759           | 1.8%          |
| Non-Federal                            | \$ 2,470,748           | 3.7%          |
| <b>Total Science</b>                   | <b>\$ 52,665,962</b>   | <b>78.6%</b>  |
| <b>Total Engineering</b>               | <b>\$ 10,728,685</b>   | <b>16.0%</b>  |
| <b>Total Non-S&amp;E</b>               | <b>\$ 3,646,507</b>    | <b>5.4%</b>   |
| <b>Total 2013 Expenditures</b>         | <b>\$ 67,041,154</b>   | <b>100.0%</b> |

The distribution of research funding in the categories outlined above demonstrate clearly the importance of science and engineering. The largest amount of research expenditures from federal and non-federal sources combined is in the science category at about 79%, which, with the addition of engineering at about 16%, gives these S&E categories about 95% of all academic research support. The remaining approximately 5% of the funding falls to the non-S&E fields. This result comes as no surprise to those engaged in this marketplace, but the overwhelming dominance of S&E may surprise some observers.

| Research Profile by Type of Institution |                      |               |                       |             |
|-----------------------------------------|----------------------|---------------|-----------------------|-------------|
| 2013 Academic R&D Expenditures          | Over \$40M (in 000s) | % of Total    | Under \$40M (in 000s) | % of Total  |
| <b>Science</b>                          |                      |               |                       |             |
| Federal                                 | \$ 29,358,516        | 49%           | \$ 2,442,773          | 35%         |
| Non-Federal                             | \$ 18,845,155        | 31%           | \$ 2,019,518          | 29%         |
| <b>Engineering</b>                      |                      |               |                       |             |
| Federal                                 | \$ 5,840,238         | 10%           | \$ 652,871            | 9%          |
| Non-Federal                             | \$ 3,291,710         | 5%            | \$ 943,866            | 13%         |
| <b>Non-S&amp;E</b>                      |                      |               |                       |             |
| Federal                                 | \$ 841,773           | 1%            | \$ 333,986            | 5%          |
| Non-Federal                             | \$ 1,820,905         | 3%            | \$ 649,843            | 9%          |
| <b>Total Science</b>                    | <b>\$ 48,203,671</b> | <b>80%</b>    | <b>\$ 4,462,291</b>   | <b>63%</b>  |
| <b>Total Engineering</b>                | <b>\$ 9,131,948</b>  | <b>15%</b>    | <b>\$ 1,596,737</b>   | <b>23%</b>  |
| <b>Total Non-S&amp;E</b>                | <b>\$ 2,662,678</b>  | <b>4%</b>     | <b>\$ 983,829</b>     | <b>14%</b>  |
| <b>Total 2013 Expenditures</b>          | <b>\$ 59,998,297</b> | <b>100.0%</b> | <b>7,042,857</b>      | <b>100%</b> |

The distribution of funding among the various categories at the top of the institutional hierarchy among the over \$40M institutions (those with over \$40M in federal research expenditures) is different from the distribution among institutions below the \$40M line. The below \$40M institutions have a lower concentration of funding in science from both federal and non-federal sources, and a lower concentration in engineering from federal sources. Thus, the below \$40M institutions do not fare well in the competition for federal dollars in science and engineering. But they have higher concentrations of funding from non-federal sources in engineering and from both federal and non-federal sources in those fields that are non-science-and-engineering. Non-federal sources include corporate, local, and institutional funding, thus the below \$40M group does well in competing for support from these sources for engineering, and non-science and engineering.

A partial explanation of this result may reflect the much greater resources required to compete successfully for grants in the science fields from all sources and from federal sources in engineering fields, and the smaller resource base needed to effectively compete in fields not focused on science, and to a lesser degree, engineering. Engineering funding may include substantially more corporate projects and local or state-funded projects for which geographic location and land-grant or public university status can enhance competitiveness or provide access to sources of funds only available to institutions with these characteristics.



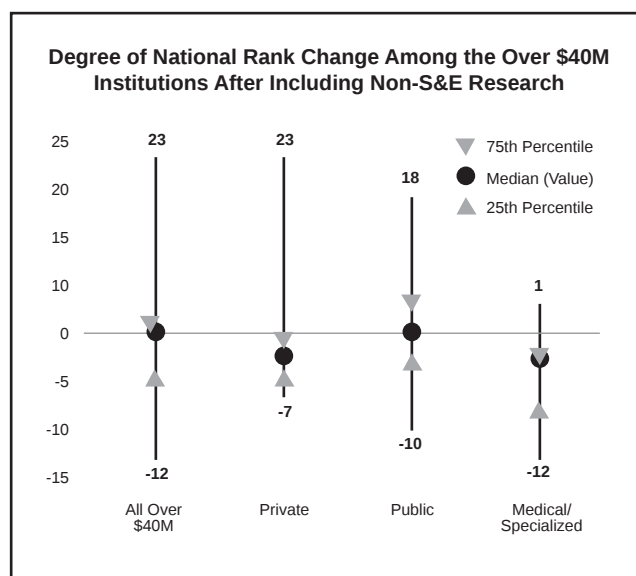
The chart above offers a visual display of these differences over the past four years. The institutions below the \$40M line improve their capture of non-federal engineering dollars but lose some market share from both federal and non-federal sources in the non-S&E category. A review of the past ten years shows a steady decline in the under \$40M institutions' share of federal non-S&E dollars over that period, while their increase in non-federal engineering began more recently in 2011. It may be that the increasing competition for research funding has encouraged the major research universities in the over \$40M group to intensify their pursuit of grants in the non-S&E categories taking market share away from the under \$40M group.

## The Impact of Non-S&E on Research Rankings

In the following analysis of the impact of including non-S&E expenditures on an institution's rank, we use the 2012 total and federal research measures as reported in the Top American Research Universities tables and then credit the main campus with all the non-S&E expenditures based on the assumption that their medical campuses conduct minimal amounts of non-S&E research.

Although the percentage of federal research support in fields other than science and engineering is a relatively small proportion of the total funding, the inclusion of these sources in academic research results has an impact on the rank order of individual institutions. The chart below shows that the range of movement in rank of the over \$40 million research universities is quite large for a few institutions,

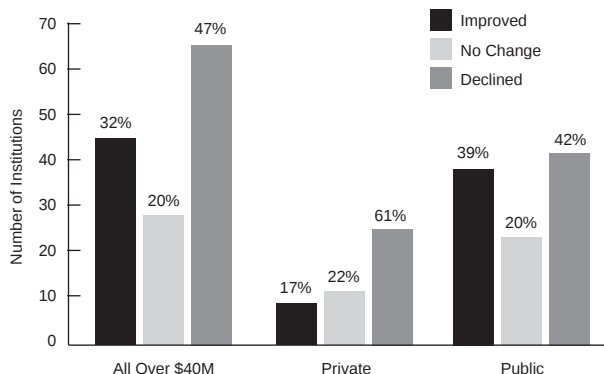
with some improving as much as 23 ranks nationally or declining by as much as 12. Much of the ranking impact, however, is quite modest with most institutions moving up and down by one to four positions or staying the same. Looking at the width between the 25th and 75th percentiles, we can see that with non-S&E funding included, public universities change national rank more significantly than private universities. In contrast, the typical private institution experiences no change or a slight decline in national rank. Only one medical or specialized institution shows an improvement in rank (University of Maryland–Baltimore) with most, not surprisingly, showing a decline in rank.



This effect most likely reflects the wider range of fields beyond science and engineering included among many public universities. Public universities may also have a greater engagement in research associated with engineering and non-science, related perhaps to the land-grant missions of many and a greater concentration on non-science fields such as education and business relative to the more expensive S&E fields.

Nonetheless, the number of institutions whose rank position changes with the inclusion of non-S&E funding is significant, with both public and private institutions rising and falling in position as shown in the next two charts.

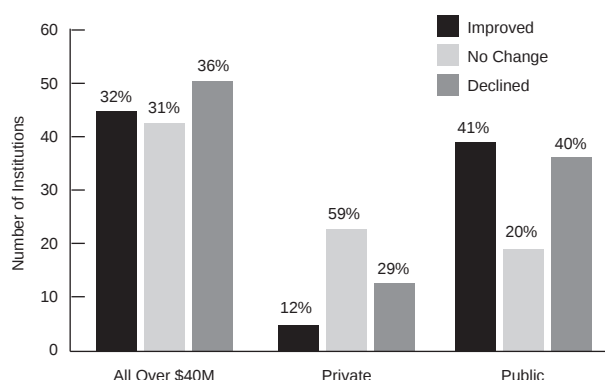
**Impact on National Rank Among Over \$40M Institutions After Including non-S&E in Total Research\***



\*Excludes medical standalone and specialized institutions, all of which show a decline in national rank except U MD Baltimore.

The chart above has the changes in national rank with non-S&E funding included using the total research number that captures both federal and non-federal sources. We excluded the specialized and medical standalone institutions in this analysis since, as shown in the previous chart, they skew heavily toward a decline in rank. Inclusion of the non-S&E funds clearly makes a difference with only 20% of the 137 institutions unchanged in rank. Nearly one-half of these institutions declined (N=65) while a third improved (44) with the inclusion of non-S&E funding. Among privates, institutions are three times more likely to decline (N=25) than improve (7) in their national ranking. Public institutions are nearly equally divided between improvement (N=37) and decline (40) in rank.

**Impact on Control Rank Among Over \$40M Institutions After Including non-S&E in Total Research\***



\*Excludes medical standalone and specialized institutions, all of which show a decline in control rank except five that had no change in rank.

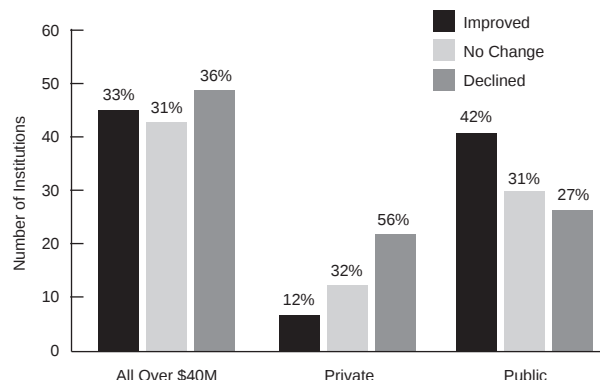
The second chart looks at changes in rank separately by institutional control (public vs. private). Private institutions are far more likely than public institutions to show no change in rank in this much smaller sample. The over

\$40 million private institutions are a very stable group and dominate the research market among all privates.

The next two charts show the changes in the federal research ranking with non-S&E funding included. Given that most federal research is in the S&E fields, it is not surprising that we find less change in rank taking place.

Among the entire group it is fairly evenly divided between those institutions that declined, improved, or remained the same. The ratio of declining (N=23) to improving (5) among privates at nearly five to one, however, is even greater than we found with total research rankings. Among the public institutions, about 42% (N=40) improve their national ranking while 27% (26) decline and about one-third remain unchanged (30).

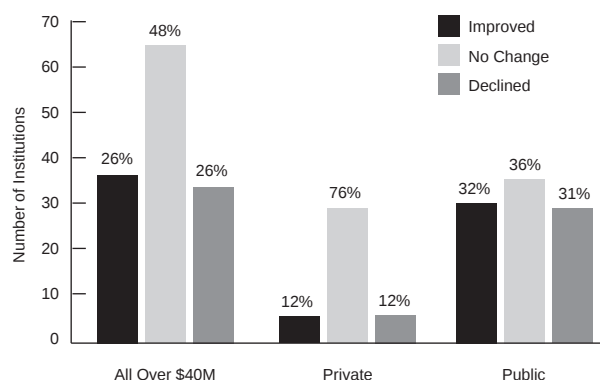
**Impact on National Rank Among Over \$40M Group After Including non-S&E in Federal Research\***



\*Excludes medical standalone and specialized institutions, all of which show a decline or no change in national rank.

In the chart below, looking at performance within the private or public ownership groups, private institutions are much less likely to show a change in rank among other private universities. However, within the over \$40 million

**Impact on Control Rank Among Over \$40M Group After Including non-S&E in Federal Research\***



\*Excludes medical standalone and specialized institutions, all of which show a decline or no change control rank.

public group about as many institutions fall, remain the same, or gain in rank. Public institutions clearly compete among their public counterparts for federal research funding in non-S&E fields with some more successful than others. As observed above, much of the non-S&E funding requires fewer institutional resources for successful competition and public institutions perhaps less well-funded for science fields may compete intensively in the non-S&E fields. As we saw in the chart on page 5, however, over the last few years the competition for non-S&E funding has clearly increased with the group of over \$40M institutions gaining a greater share of the funds available in this category.

While most changes in overall national rank that appear by including the non-S&E funds are relatively small, there are some 20 institutions with an improvement in national total research ranking greater than 3, all but three being public universities. As shown in the table below, Brown, Florida International University, and Clemson all improve by at least 15 positions nationally. Note that some of Brown's (and Emory's) change in rank may be due to a

reporting anomaly; they classify nearly one-third of their institutionally funded R&D as "Other non-S&E" compared to a national average of 12%. Three universities improve their standing relative to our own rankings of total research (which excluded non-S&E) with the inclusion of non-S&E: University of Florida would move into the top 25 (with Yale dropping out) and University of South Florida (edging out the University of Chicago) moving into the top 50.

As we have pointed out many times in the annual *Top American Research Universities* reports, the institutions at the top are solidly positioned. In the following table, the movement among the top 15 institutions nationally on total research is merely a reshuffling within that group of a position or two or no change for all institutions except one. The University of Wisconsin–Madison improves by three positions due to its relatively large proportion of non-S&E research funding. Universities with large non-S&E research funding, such as Michigan (\$75M) and MIT (\$54M), however, do not change their national rank because in the total of their large volume of research funding this is a relatively small amount.

**Greatest Improvement in Rank Among Over \$40M Institutions  
with Inclusion of Non-S&E Fields in Total Research**

| Institution                     | 2012<br>Total<br>Research<br>Excluding<br>Non-S&E<br>(000s) | 2012<br>Nat'l<br>Rank | 2012<br>Total<br>Research<br>Including<br>Non-S&E<br>(000s) | 2012<br>Nat'l<br>Rank | Net<br>Change<br>in<br>Nat'l<br>Rank | Non-S&E<br>Research<br>Expenditures | Non-S&E<br>Portion of All<br>Research<br>Expenditures |
|---------------------------------|-------------------------------------------------------------|-----------------------|-------------------------------------------------------------|-----------------------|--------------------------------------|-------------------------------------|-------------------------------------------------------|
| Brown U                         | \$234,906                                                   | 86                    | \$365,120                                                   | 63                    | 23                                   | \$130.2M                            | 36%                                                   |
| Florida International U         | \$83,639                                                    | 154                   | \$118,058                                                   | 136                   | 18                                   | \$34.4M                             | 29%                                                   |
| Clemson U                       | \$110,493                                                   | 137                   | \$142,096                                                   | 122                   | 15                                   | \$31.6M                             | 22%                                                   |
| San Diego State U               | \$75,670                                                    | 165                   | \$92,867                                                    | 151                   | 14                                   | \$17.2M                             | 19%                                                   |
| U of Alaska - Fairbanks         | \$121,640                                                   | 130                   | \$160,407                                                   | 116                   | 14                                   | \$38.8M                             | 24%                                                   |
| Indiana U - Bloomington         | \$151,240                                                   | 117                   | \$184,486                                                   | 104                   | 13                                   | \$33.2M                             | 18%                                                   |
| U of South Florida - Tampa      | \$394,694                                                   | 54                    | \$443,206                                                   | 43                    | 11                                   | \$48.5M                             | 11%                                                   |
| U of Louisville                 | \$165,319                                                   | 109                   | \$196,842                                                   | 100                   | 9                                    | \$31.5M                             | 16%                                                   |
| U of Oklahoma - Norman          | \$115,529                                                   | 132                   | \$139,326                                                   | 125                   | 7                                    | \$23.8M                             | 17%                                                   |
| New York U                      | \$425,043                                                   | 45                    | \$458,645                                                   | 39                    | 6                                    | \$33.6M                             | 7%                                                    |
| U of Kansas - Lawrence          | \$172,615                                                   | 104                   | \$202,567                                                   | 98                    | 6                                    | \$30.0M                             | 15%                                                   |
| U of Oregon                     | \$87,656                                                    | 150                   | \$105,030                                                   | 144                   | 6                                    | \$17.3M                             | 17%                                                   |
| U of South Carolina - Columbia  | \$186,559                                                   | 99                    | \$214,901                                                   | 93                    | 6                                    | \$28.3M                             | 13%                                                   |
| Washington State U - Pullman    | \$288,693                                                   | 74                    | \$335,930                                                   | 68                    | 6                                    | \$47.2M                             | 14%                                                   |
| Arizona State U                 | \$344,611                                                   | 62                    | \$385,959                                                   | 58                    | 4                                    | \$41.3M                             | 11%                                                   |
| Colorado State U - Fort Collins | \$335,336                                                   | 65                    | \$375,919                                                   | 61                    | 4                                    | \$40.6M                             | 11%                                                   |
| Emory U                         | \$474,537                                                   | 37                    | \$565,766                                                   | 33                    | 4                                    | \$91.2M                             | 16%                                                   |
| George Mason U                  | \$79,913                                                    | 160                   | \$90,198                                                    | 156                   | 4                                    | \$10.3M                             | 11%                                                   |
| U of Cincinnati - Cincinnati    | \$408,294                                                   | 50                    | \$433,668                                                   | 46                    | 4                                    | \$25.4M                             | 6%                                                    |
| U of Florida                    | \$649,988                                                   | 26                    | \$696,985                                                   | 22                    | 4                                    | \$47.0M                             | 7%                                                    |

**Change in Rank Among the Top 15 Research Universities  
with Inclusion of Non-S&E Fields in Total Research**

| Institution                       | 2012<br>Total<br>Research<br>Excluding<br>Non-S&E<br>(000s) | 2012<br>Nat'l<br>Rank | 2012<br>Total<br>Research<br>Including<br>Non-S&E<br>(000s) | 2012<br>Nat'l<br>Rank | Net<br>Change<br>in<br>Nat'l<br>Rank | Non-S&E<br>Research<br>Expenditures | Non-S&E<br>Portion of All<br>Research<br>Expenditures |
|-----------------------------------|-------------------------------------------------------------|-----------------------|-------------------------------------------------------------|-----------------------|--------------------------------------|-------------------------------------|-------------------------------------------------------|
| Johns Hopkins U                   | \$2,092,999                                                 | 1                     | \$2,106,185                                                 | 1                     | 0                                    | \$13.2M                             | 1%                                                    |
| U of Michigan - Ann Arbor         | \$1,247,680                                                 | 2                     | \$1,322,711                                                 | 2                     | 0                                    | \$75.0M                             | 6%                                                    |
| U of Washington - Seattle         | \$1,065,414                                                 | 3                     | \$1,109,008                                                 | 4                     | -1                                   | \$43.6M                             | 4%                                                    |
| U of California - San Diego       | \$1,065,306                                                 | 4                     | \$1,073,864                                                 | 5                     | -1                                   | \$8.6M                              | 1%                                                    |
| U of California - San Francisco   | \$1,032,673                                                 | 5                     | \$1,032,673                                                 | 6                     | -1                                   | \$0.0M                              | 0%                                                    |
| U of Wisconsin - Madison          | \$1,030,605                                                 | 6                     | \$1,169,779                                                 | 3                     | 3                                    | \$139.2M                            | 12%                                                   |
| Duke U                            | \$1,004,759                                                 | 7                     | \$1,009,911                                                 | 7                     | 0                                    | \$5.2M                              | 1%                                                    |
| U of California - Los Angeles     | \$969,682                                                   | 8                     | \$1,003,375                                                 | 8                     | 0                                    | \$33.7M                             | 3%                                                    |
| U of North Carolina - Chapel Hill | \$864,748                                                   | 9                     | \$884,791                                                   | 11                    | -2                                   | \$20.0M                             | 2%                                                    |
| Stanford U                        | \$854,580                                                   | 10                    | \$903,238                                                   | 9                     | 1                                    | \$48.7M                             | 5%                                                    |
| Columbia U                        | \$847,809                                                   | 11                    | \$889,487                                                   | 10                    | 1                                    | \$41.7M                             | 5%                                                    |
| U of Pittsburgh - Pittsburgh      | \$839,793                                                   | 12                    | \$866,638                                                   | 12                    | 0                                    | \$26.8M                             | 3%                                                    |
| U of Pennsylvania                 | \$813,210                                                   | 13                    | \$847,077                                                   | 13                    | 0                                    | \$33.9M                             | 4%                                                    |
| U of Minnesota - Twin Cities      | \$806,832                                                   | 14                    | \$826,173                                                   | 14                    | 0                                    | \$19.3M                             | 2%                                                    |
| Massachusetts Inst of Tech        | \$770,367                                                   | 15                    | \$824,130                                                   | 15                    | 0                                    | \$53.8M                             | 7%                                                    |

In any event, small changes in rank are of relatively little significance since any movement up or down is often a function of how far apart adjacent institution totals stand. If institutions are close together in their totals, then a small increase or decrease either in their own or in adjacent institution totals will change rankings. More significant is a view of the number of dollars the inclusion of non-S&E funding represents and its relative size compared to the S&E funding normally reported.

Among the over \$40M institutions in our list (Appendix A), the median increase in total research from the inclusion of the non-S&E funding is about \$10M and the median percentage increase is 4%. But the dollar range is very large from an amount of \$139M for the University of Wisconsin-Madison to \$128,000 at the University of Vermont. Three institutions show zero, but this may well be a reporting issue. The importance of this additional funding as a percentage increase over the regularly reported S&E dollars also varies substantially from 41% for Florida International to about one-tenth of one percent for the University of Vermont. In comparison, among the group we identified in Table 7 as making big gains in rankings due to the inclusion of non-S&E research, the median dollar increase is \$33M and the median percentage increase is 18%. Note that in calculating these figures we exclude the medical and specialized institutions that do not participate significantly in the competition for non-S&E funding.

Due to the relatively small amount of federal funding for non-S&E research it is not surprising that the inclusion of these dollars has little impact on federal research national rankings (Appendix B). As with total research, there is little movement in or out of the top 50 rankings. The median increase in federal research dollars is about \$3M and the median percentage increase is 2%.

By inspecting the tables in the appendices, we might imagine that we could provide some systematic description of the types of institutions with different levels of non-S&E funding. This is not easily accomplished without more detailed analysis of particular universities. While public universities may have an advantage in capturing non-S&E funding from state and local sources, not all public universities are particularly successful, although non-S&E funding appears to be somewhat more significant for public than for private institutions. The principal value of this discussion is to recognize the complexity of the funding profiles of individual institutions as well as the overall significance of non-S&E funding within the external research support of many research universities.

## Distribution of Academic Research Funding by Field

Another way to approach these data is to look more closely at the distribution of research funding by individual subfields (or disciplines). The NSF data provide information on the following subfields within the general categories of science, engineering, and non-S&E, separately for both federal and non-federal research support.

The Science category includes (some with subfields):

- Computer sciences
- Environmental sciences (atmospheric sciences, earth sciences, oceanography, and other smaller disciplines)
- Life sciences (agricultural sciences, biological sciences, medical sciences, and other smaller disciplines)
- Mathematical sciences
- Physical sciences (astronomy, chemistry, physics, and other smaller disciplines)
- Psychology
- Social sciences (economics, political sciences, sociology, and other smaller disciplines)
- Other unclassified sciences

The engineering and non-S&E subfields are without separately identified disciplines.

The Engineering category is comprised of:

- Aeronautical and astronautical
- Bioengineering and biomedical
- Chemical
- Civil
- Electrical
- Mechanical
- Metallurgical and materials
- Other unclassified engineering disciplines

Non-Science and Engineering category includes:

- Business and management
- Communication
- Journalism and library science
- Education
- Humanities
- Law
- Social work
- Visual and performing arts
- Other unclassified non-S&E fields.

If we look at these subfields in terms of the market share of research funding captured by institutions with over \$40M compared to the totals for all institutions receiving funding in a category, we can see the continued dominance of the top 165 universities. Among the federal funds flowing to science fields, the market share captured by this top group varies by field. As the following table shows, the concentration of federal funding in the top institutions is greater in some fields than in others with the highest concentration in the life sciences at 94% and a lower concentration in psychology at 84%.

Science: Over \$40M Institutions Market Share by Field

| Current Dollars (000s) | 2012<br>Total Research<br>All Institutions<br>(000s) | 2012<br>Federal<br>All Institutions<br>(000s) | 2012<br>Federal<br>Over \$40M<br>(000s) | Over<br>\$40M<br>Share of<br>Federal<br>Market | 2012<br>Non-Federal<br>All Institutions<br>(000s) | 2012<br>Non-Federal<br>Over \$40M<br>(000s) | Over<br>\$40M<br>Share of<br>Non-Federal<br>Market |
|------------------------|------------------------------------------------------|-----------------------------------------------|-----------------------------------------|------------------------------------------------|---------------------------------------------------|---------------------------------------------|----------------------------------------------------|
| Life sciences          | \$37,187,306                                         | \$22,743,797                                  | \$21,375,922                            | 94%                                            | 14,443,509                                        | 13,440,359                                  | 93%                                                |
| Physical sciences      | \$4,724,222                                          | \$3,487,939                                   | \$2,991,860                             | 86%                                            | 1,236,283                                         | 991,171                                     | 80%                                                |
| Environmental sciences | \$3,179,113                                          | \$2,203,663                                   | \$1,890,048                             | 86%                                            | 975,450                                           | 734,199                                     | 75%                                                |
| Social sciences        | \$2,053,548                                          | \$917,708                                     | \$792,814                               | 86%                                            | 1,135,840                                         | 935,479                                     | 82%                                                |
| Computer sciences      | \$1,820,430                                          | \$1,358,563                                   | \$1,231,442                             | 91%                                            | 461,867                                           | 383,511                                     | 83%                                                |
| Psychology             | \$1,188,397                                          | \$867,195                                     | \$727,131                               | 84%                                            | 321,202                                           | 258,515                                     | 80%                                                |
| Other sciences         | \$1,102,375                                          | \$439,163                                     | \$395,585                               | 90%                                            | 663,212                                           | 563,311                                     | 85%                                                |
| Mathematical sciences  | \$674,200                                            | \$490,438                                     | \$426,343                               | 87%                                            | 183,762                                           | 152,209                                     | 83%                                                |

Within the same group of science subfields, the market share controlled by the top institutions from non-federal sources shows a similar but not identical distribution. In every case the concentration of non-federal funds in the over \$40M institutions is a few percentage points less than the federal funds concentration. It is no surprise to see that the largest field for science funding is in the life sciences. In that field the over \$40M institutions capture the highest percentage of both federal and non-federal funds. The widest distribution of funding (with the lowest concentration in the over \$40M group) is in the non-federal dollars within the field of environmental sciences. This might also indicate the wide participation of many institutions in the under \$40M group in the competition for environmental funds. Grants in this field may include significant amounts from state, local, and corporate sources for which smaller and less research intensive public universities can successfully compete.

The distribution of federal funding for engineering fields follows a pattern similar to what appears for science as the following table illustrates. The concentration of federal funding among the over \$40M institutions for engineering fields ranges from 95% in bioengineering and biomedical to 87% in civil-mechanical and metallurgical-materials. Interestingly, the second largest category of federal engineering research expenditures reported to NSF is the unclassified or “Other” category suggesting problems with the coding or reporting mechanisms. This may also indicate institutions with significant portfolios of interdisciplinary research on topics such as energy or sustainability that are not captured by the current definitions.

However, while these concentrations of federal engineering funding follow closely the patterns in the science fields, the non-federal funding for engineering is significantly less concentrated among the 165 top institutions. The highest concentration of non-federal funding among the over \$40M

group is in bioengineering at 86% but the concentration of federal funding in this category is 95%. The lowest concentration among the top institutions for non-federal funding is 66% for aeronautical and astronautical engineering compared to the federal funding concentration for this field at 90%.

These differences in competitive success in the different marketplaces of federal and non-federal funding again most likely illustrate universities' differential competitive advantages in accessing the highly structured national federal marketplace and the wider range of sources characteristic of the more geographically focused non-federal marketplace. Many institutions below the top 165 compete in the non-federal markets with much greater competitive success than they do in the federal marketplace.

When we look at the non-S&E fields, education research clearly dominates this arena and again we see a significant amount of expenditures not reported under a listed discipline but rather as “other.” The non-S&E funding patterns are similar in some ways to the S&E marketplace. In the case of federal funding, the over \$40M institutions continue to dominate the competition but with a much wider spread showing a high concentration in the field of communications, journalism, and library sciences at 91% and a much lower concentration in the field of law at 31%. This spread likely reflects the wide distribution of law schools among many institutions that are not otherwise heavily invested in research activity. Similar characteristics likely apply to education, business and management, and visual and performing arts, all fields well represented among institutions that otherwise do not fit into the definition of top American research universities. These fields also require much less institutional infrastructure investment to sustain competitive performance compared to the federal science and engineering competition.

Engineering: Over \$40M Institutions Market Share by Field

| Current Dollars (000s)       | 2012<br>Total Research<br>All Institutions<br>(000s) | 2012<br>Federal<br>All Institutions<br>(000s) | 2012<br>Federal<br>Over \$40M<br>(000s) | Over<br>\$40M<br>Share of<br>Federal<br>Market | 2012<br>Non-Federal<br>All Institutions<br>(000s) | 2012<br>Non-Federal<br>Over \$40M<br>(000s) | Over<br>\$40M<br>Share of<br>Non-Federal<br>Market |
|------------------------------|------------------------------------------------------|-----------------------------------------------|-----------------------------------------|------------------------------------------------|---------------------------------------------------|---------------------------------------------|----------------------------------------------------|
| Electrical                   | \$2,314,629                                          | \$1,604,176                                   | \$1,467,664                             | 91%                                            | 710,453                                           | 555,015                                     | 78%                                                |
| Other engineering            | \$1,993,106                                          | \$1,212,662                                   | \$1,067,282                             | 88%                                            | 780,444                                           | 624,931                                     | 80%                                                |
| Mechanical                   | \$1,551,399                                          | \$1,036,428                                   | \$899,980                               | 87%                                            | 514,971                                           | 397,445                                     | 77%                                                |
| Civil                        | \$1,233,834                                          | \$570,958                                     | \$497,684                               | 87%                                            | 662,876                                           | 541,946                                     | 82%                                                |
| Chemical                     | \$908,094                                            | \$505,734                                     | \$447,489                               | 88%                                            | 402,360                                           | 304,125                                     | 76%                                                |
| Bioengineering & biomedical  | \$871,367                                            | \$551,880                                     | \$522,334                               | 95%                                            | 319,487                                           | 274,693                                     | 86%                                                |
| Metallurgical & materials    | \$757,136                                            | \$461,739                                     | \$400,886                               | 87%                                            | 295,397                                           | 225,359                                     | 76%                                                |
| Aeronautical & astronautical | \$662,449                                            | \$501,724                                     | \$453,934                               | 90%                                            | 160,725                                           | 106,704                                     | 66%                                                |

Non-Science and Engineering: Over \$40M Institutions Market Share by Field

| Current Dollars (000s)        | 2012<br>Total Research<br>All Institutions<br>(000s) | 2012<br>Federal<br>All Institutions<br>(000s) | 2012<br>Federal<br>Over \$40M<br>(000s) | Over<br>\$40M<br>Share of<br>Federal<br>Market | 2012<br>Non-Federal<br>All Institutions<br>(000s) | 2012<br>Non-Federal<br>Over \$40M<br>(000s) | Over<br>\$40M<br>Share of<br>Non-Federal<br>Market |
|-------------------------------|------------------------------------------------------|-----------------------------------------------|-----------------------------------------|------------------------------------------------|---------------------------------------------------|---------------------------------------------|----------------------------------------------------|
| Education                     | \$1,231,793                                          | \$687,642                                     | \$469,363                               | 68%                                            | 544,151                                           | 355,785                                     | 65%                                                |
| Other non-S&E                 | \$933,860                                            | \$147,517                                     | \$92,086                                | 62%                                            | 786,343                                           | 590,436                                     | 75%                                                |
| Business & management         | \$442,629                                            | \$96,743                                      | \$59,603                                | 62%                                            | 345,886                                           | 245,116                                     | 71%                                                |
| Humanities                    | \$339,405                                            | \$67,737                                      | \$53,936                                | 80%                                            | 271,668                                           | 212,652                                     | 78%                                                |
| Social work                   | \$199,359                                            | \$109,273                                     | \$83,312                                | 76%                                            | 90,086                                            | 65,416                                      | 73%                                                |
| Comm., journ., & library sci. | \$159,724                                            | \$53,308                                      | \$48,488                                | 91%                                            | 106,416                                           | 72,778                                      | 68%                                                |
| Law                           | \$131,506                                            | \$24,595                                      | \$7,698                                 | 31%                                            | 106,911                                           | 69,759                                      | 65%                                                |
| Visual & performing arts      | \$84,373                                             | \$10,429                                      | \$5,244                                 | 50%                                            | 73,944                                            | 54,656                                      | 74%                                                |

Finally, when we look at non-federal funding for these non-S&E fields, the patterns identified above are even clearer. In competing for funding from non-federal sources for projects that are non-S&E, the top 165 institutions capture 78% of humanities funding and only 65% of law funding. Again, the competitive marketplace for non-federal dollars is much more varied and less structured than the federal marketplace. Foundations, state and local agencies, and other sources provide grants but follow criteria that vary by funding source and project, rendering the marketplace complex and highly dependent on institutional variables related to mission, ownership, and geography.

Reviewing these tables that decompose the federal and non-federal funding we can make some observations, although clearly more research will be required to tease out a full understanding of these data. The first observation, which comes as no surprise to those who follow the competition for research funding among American universities, is that the top American research universities continue to dominate the research marketplace. As we have discussed elsewhere in the MUP center reports, the stability of the research university hierarchy in America is remarkable, and reflects more than anything else the high cost of assembling the institutional capacity to compete, especially in science and engineering.

This institutional investment, usually the result of decades of commitment by institutional management, faculty, donors, and for public institutions, state appropriations for university operations, creates a barrier difficult for newer entrants into the research marketplace to overcome. Some public institutions moved into the top category by virtue of state investments in research capacity over many years, sometimes focused primarily on flagship institutions but in other cases more widely distributed among many universities within the state. In addition, public institutions in some

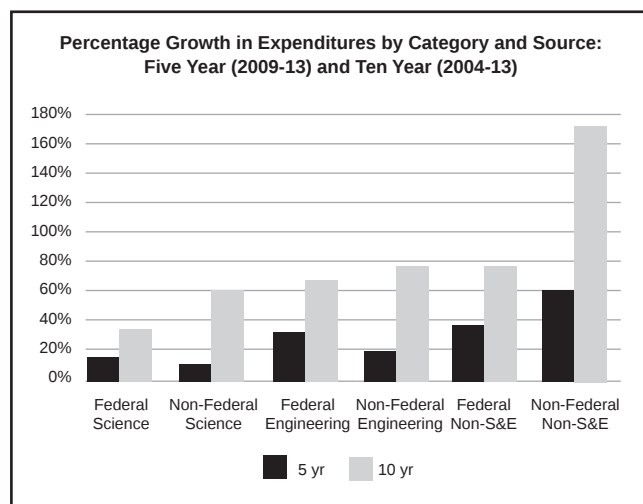
areas of the country have benefited from rapid population growth that allowed them to grow their undergraduate and graduate populations. This increased scale supported an increase in the number of faculty and provided revenue to subsidize an expanding resource base capable of sustaining competitive research performance.

## Patterns of Research Funding Over Time

Although the economic circumstances of many states and the nation at large have been difficult at times over the last decade, especially since the Great Recession of 2008, the institutional commitments to research and federal and non-federal funding have nonetheless continued. This reflects the long-term nature of research capability where the assets of research faculty, staff, facilities, and support respond only slowly to external economic circumstances and funding entities sustain their recognition of the importance of university-based research. A decade is a long time in the cycle of undergraduate life, but a relatively short time in the cycle of research enterprises. The sources of funding continue over time, and when they plateau or decline they do so slowly. In addition, research-capable institutions continue to expand their financial base by investing heavily in their capacity to raise private dollars. Long a staple of private university revenue generation, public institutions also pursue significant large scale fund raising with some campaigns that rival all but the most ambitious of private universities.

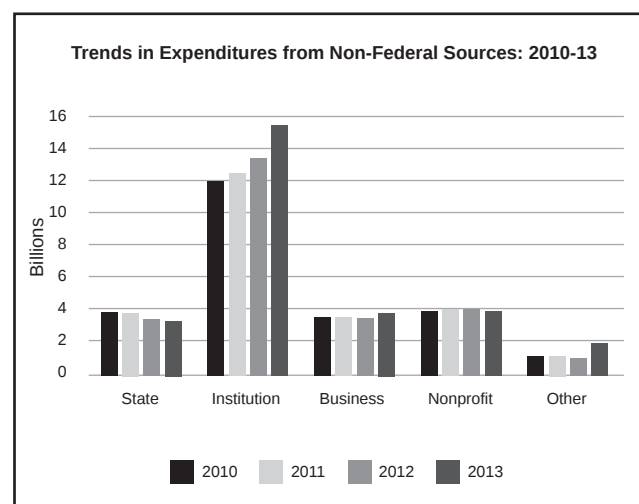
Nonetheless, it is useful to look at some trends in research expenditures within the categories described above. Such a view provides some insight into the opportunities available within the competition for sponsored research from both federal and non-federal sources and may provide some perspective on the pace of change in these marketplaces.

In terms of general funding for science and engineering, as well as non-S&E fields, the last decade has seen constant, if variable, growth in the total dollars available from both federal and non-federal sources. While the increases are all positive over both the five and ten year periods, the non-federal funding for all categories grew more in percentage terms than the federal in the ten year view but in the more recent five-year view, non-federal grew less in all categories except the non-S&E fields.



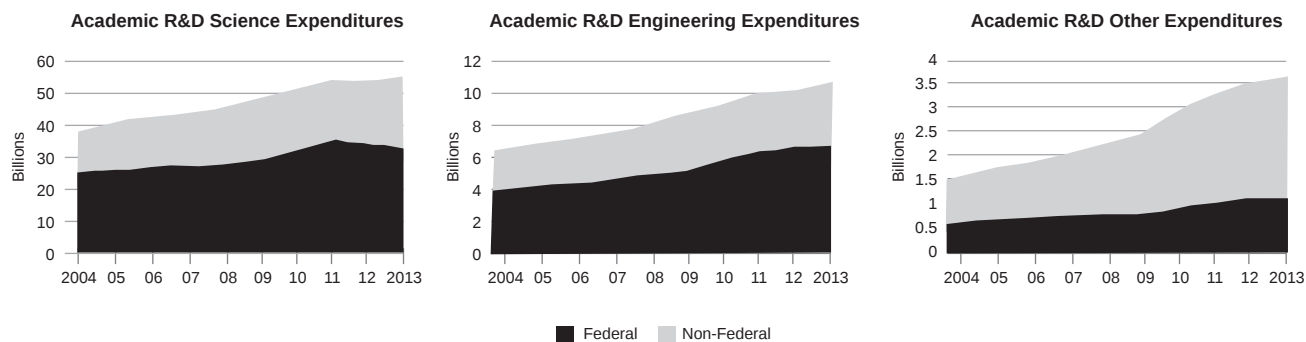
Much of this is due to American Recovery and Reinvestment Act of 2009 (ARRA) funding in support of federal research, a temporary economic development initiative. According to a recent NSF InfoBrief (Feb. 2015), ARRA funding began in 2010 with \$2.7B or 7% of all federal academic R&D and peaked in 2011 at \$4.2B (10%). Expenditure of ARRA funds the past two years have tapered off with 2013 showing a new low at \$1.5B or 4% of all federal funding. This outcome may also come from the significant decline in state funding available after the 2008 recession which likely reduced the size of the marketplace for non-federal research support in many areas. Research expenditures from state funded grants and contracts peaked in 2009 and have steadily declined in recent years. The chart on the right, based on data from the same NSF report, illustrates this recent decline in state funding. However, this is offset by some growth in funding from businesses and nonprofit entities.

Of particular note, the universities and colleges themselves have increasingly outspent all other non-federal entities combined in each of the past four years. The widest gap is in the most recent reporting year of 2013 as these academic institutions spent nearly \$15B compared to \$12.6B total for state government, businesses, nonprofit organizations and others. The growth in the non-S&E non-federal category is likely due largely to this increase in institutionally-sponsored research. These large investments by institutions highlight the importance of universities committing substantial institutional resources to support the research enterprise in all fields.



The three charts on the next page offer a visual display of the growth of federal and non-federal research funding over this period, illustrating both the growth over the ten-years, the peaking of federal S&E funds from ARRA in 2011, and the flattening of the trends in the most recent period.

For engineering the display is very similar to science funding although the growth curve for non-federal support continues the upward trend significantly even in the last five years. The third category of non-S&E funding shows a somewhat different profile as mentioned above, with the non-federal funds awarded growing more rapidly than the federal funds, especially in the last five years. This chart also illustrates clearly the preponderance of non-federal funding for those fields not in science or engineering.



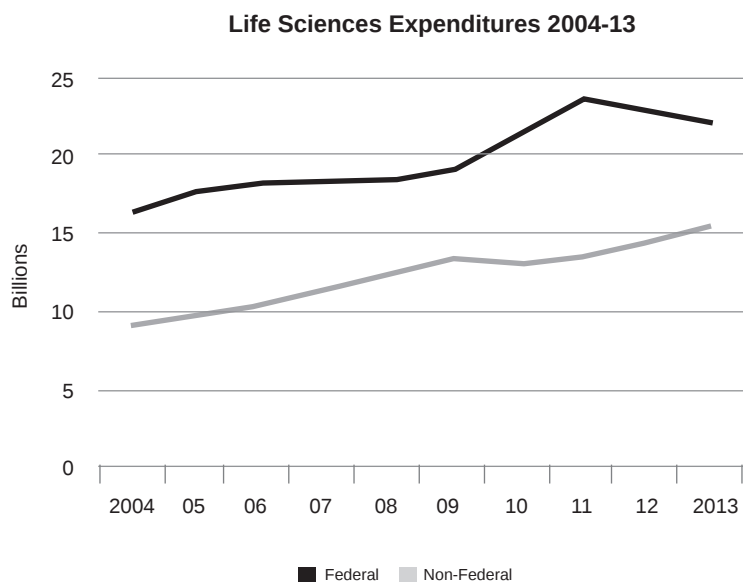
The marketplaces for the various fields within these larger categories illustrate some differences in growth and clearly display the different scale of funding available for each field. The chart on the bottom right shows the life sciences, both federal and non-federal, which are too large to accompany the other illustrations. Here the significant increases in federal funding followed by a down turn in the final two years of the period are clearly visible, contrasted with the steady rise of non-federal life science funding.

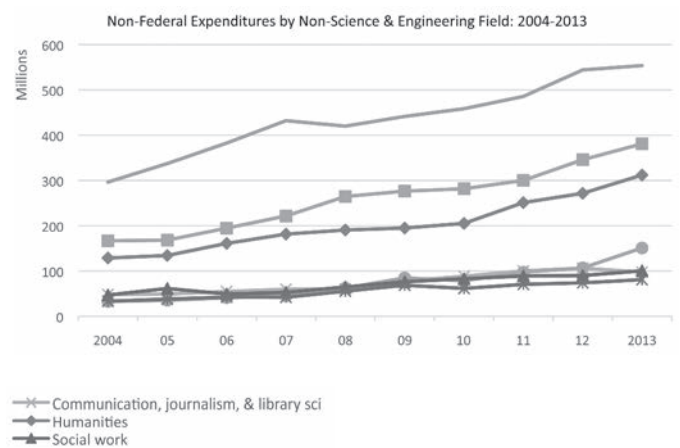
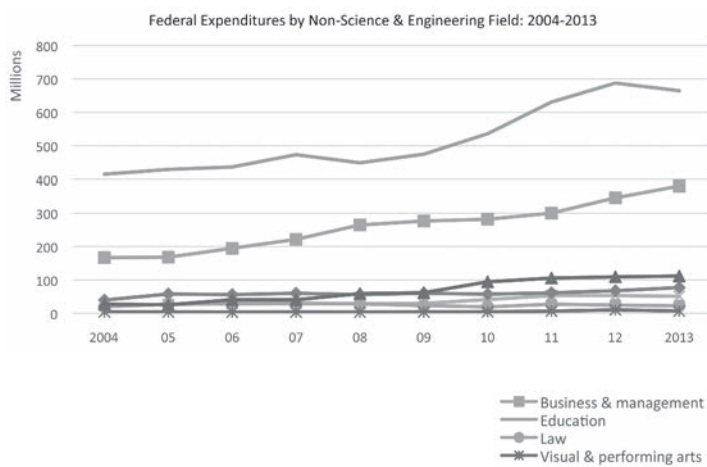
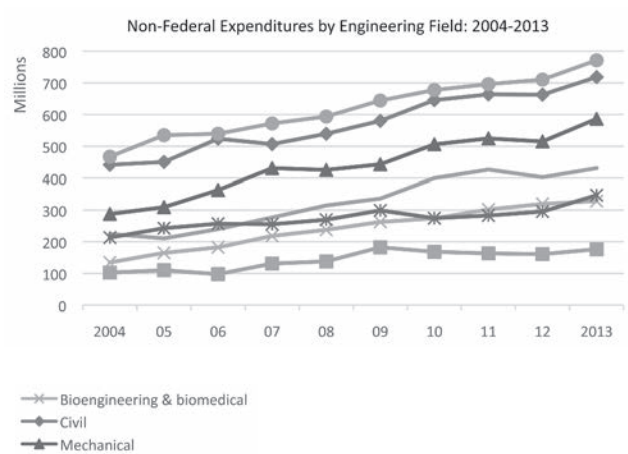
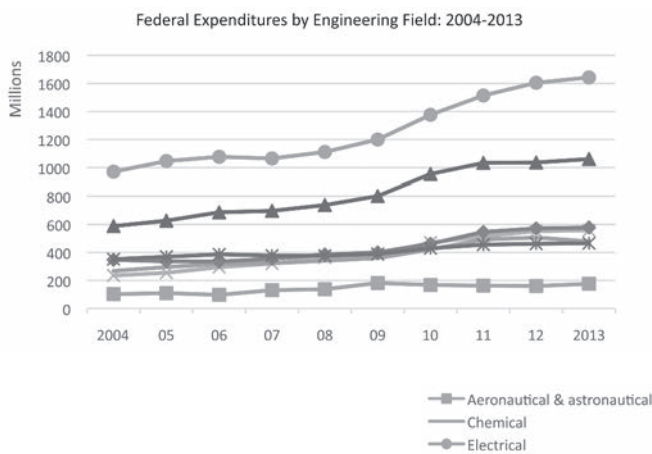
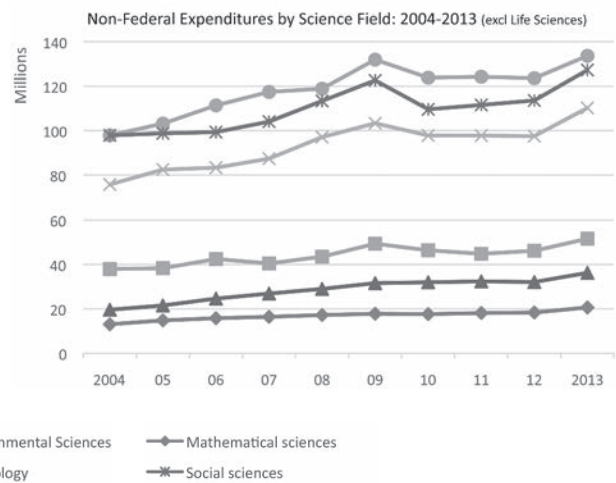
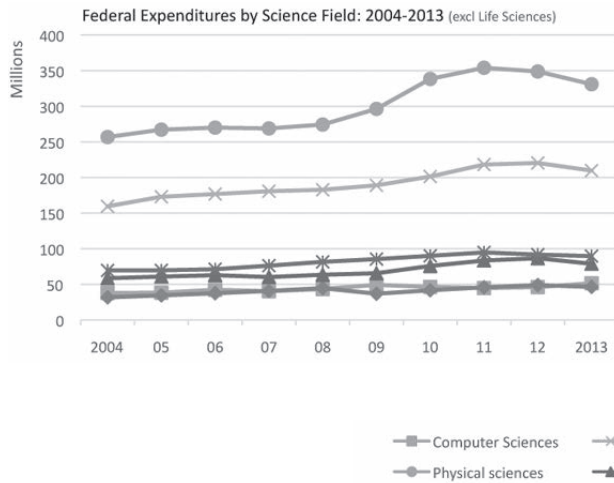
The rest of the science fields (shown on the next page) follow a similar pattern for federal expenditures although the decline in the final years is more dramatic in the physical sciences than in the other fields. Non-federal funding of science fields (other than the life sciences) follows the increasing patterns seen in the chart for the life sciences non-federal funding with somewhat different generally upward trajectories for the different fields.

The patterns for engineering, however, show constant growth or at least reasonable stability of both federal and non-federal funding in most fields. The two charts below, make this clearly visible and also illustrate the significantly different levels of funding for the various engineering fields and the different rates of growth by field over the ten years.

Federal and non-federal funding for those fields and subfields that are non-S&E follow a generally upward trend over the last ten and five year periods. The changes are best viewed through the following two charts. First, we have the federal funding for the non-S&E fields. Clearly education has the largest federal commitment of research funds and shows significant growth of 60% over the ten year period. Business and management along with humanities also show significant growth, but at a lower level of support. Other fields stay mostly stable with a slight upward trend.

Non-federal funding for the non-S&E fields also shows increases in education and business-management, although the rest of the fields have small increases or stay almost flat throughout the decade.





## Conclusion

The past decade has seen increasing intensity of university competition, whether for prestige, quality students, stellar faculty, or most importantly, for money. Economic challenges have affected every type and size of institution from the smallest of private liberal arts colleges to the most wealthy public and private research universities. Declining state funding for many public institutions has reduced the margin of disposable income available to invest in competitive research talent and facilities, and all research institutions have increased their pursuit of external research support from every possible source: federal, private giving, state and local grants, and foundation programs. Universities have continued to increase their internal funding of research throughout this ten year period, compensating in part for declines in other sources. The data displayed above indicate that while the overall trend of external research funding remained positive throughout the ten years reviewed here, significant variations by field and category of funding reflect changing priorities among providers.

The overwhelming importance of life sciences research funding within the context of all external research support remained constant throughout this period although the federal dollars available declined in the last three years while the non-federal dollars continued modest growth. Although the very large dollar amounts devoted to life sciences disciplines (\$23B federal and \$14B non-federal in 2012) surely reflect the nation's identification of life science issues as critical national priorities, the sums available for other fields and disciplines, while significantly smaller, prompted strong competitive behavior among academic institutions. In addition, although the dominance of science and engineering in the federal competition is clear, the non-federal dollars provided a growing marketplace for academic research competition and especially in the non-S&E fields where non-federal dollars predominate. The dominance of the over \$40M group remained clear for most fields in the five- and ten-year perspectives except for engineering where the over \$40M group lost market share of non-federal engineering funding. In the non-S&E fields, the over \$40M group gained market share in both the federal and non-federal competition.

These shifts by discipline, field, and source of funding reflect a complicated interaction of multiple funding entities and subdivisions within funding agencies of the federal government with the circumstances and decisions of many individual institutions. The top universities, in spite of significant budget challenges stemming from the Great Recession of 2008, remain consistently dominant, setting the tone and in many ways determining the context of the competitions. Nonetheless, the large number of competing universities and the wide variation in their characteristics testifies to the continued importance of externally funded research as an essential element in the American concept of a quality university. While the predominance of life sciences funding in the total marketplace is of course a constant of this competition, the smaller scale of research funding in other disciplines does not necessarily diminish the competitive significance of these fields. A grant of \$50,000 may well make a higher impact in producing quality humanities or fine arts research as a grant of \$1M will make in supporting a complex life sciences research program.

In short, as the data displayed here illustrates, external academic research funding remains strong, growing in total amount consistently over the years. The specific variations in changes, both positive and negative, by field reflect changes in the funding priorities of the federal government, foundations, donors, and local and state agencies. The responses of universities to these changes reflect many individual circumstances of institutions, and resist easy generalization. The one certainty is that academic institutions continue to compete vigorously for all available external research support from every source, for research is the touchstone of quality for most American universities.

**Appendix A - Comparison of Total Research Ranking with and without  
non-S&E Expenditures among Institutions with Over \$40M Federal Research in 2012**

| Control | Institution                                | 2012 Total Research Excluding Non-S&E (000s) | 2012 Natl Rank | 2012 Ctrl Rank | 2012 Total Research Including Non-S&E (000s) | 2012 Natl Rank | 2012 Ctrl Rank | Changes in Natl Rank by Including Non-S&E <sup>1</sup> | Changes in Ctrl Rank by Including Non-S&E <sup>1</sup> | Net Dollar Increase (000s) | % Increase | Non-S&E Portion of all Research Expenditures |
|---------|--------------------------------------------|----------------------------------------------|----------------|----------------|----------------------------------------------|----------------|----------------|--------------------------------------------------------|--------------------------------------------------------|----------------------------|------------|----------------------------------------------|
| Public  | Arizona State U                            | \$344,611                                    | 62             | 39             | \$385,959                                    | 58             | 37             | 4                                                      | 2                                                      | \$41,348                   | 12.0%      | 11%                                          |
| Public  | Auburn U                                   | \$130,222                                    | 125            | 86             | \$133,013                                    | 131            | 92             | -6                                                     | -6                                                     | \$2,791                    | 2.1%       | 2%                                           |
| Private | Baylor College of Medicine                 | \$474,700                                    | 36             | 14             | \$474,700                                    | 38             | 15             | -2                                                     | -1                                                     |                            |            | 0%                                           |
| Private | Boston U                                   | \$330,247                                    | 66             | 24             | \$334,496                                    | 69             | 25             | -3                                                     | -1                                                     | \$4,249                    | 1.3%       | 1%                                           |
| Private | Brandeis U                                 | \$69,489                                     | 170            | 48             | \$74,660                                     | 172            | 49             | -2                                                     | -1                                                     | \$5,171                    | 7.4%       | 7%                                           |
| Private | Brown U                                    | \$234,906                                    | 86             | 30             | \$365,120                                    | 63             | 24             | 23                                                     | 6                                                      | \$130,214                  | 55.4%      | 36%                                          |
| Private | California Institute of Technology         | \$374,075                                    | 57             | 22             | \$379,713                                    | 60             | 22             | -3                                                     | 0                                                      | \$5,638                    | 1.5%       | 2%                                           |
| Private | Carnegie Mellon U                          | \$254,992                                    | 79             | 29             | \$255,933                                    | 81             | 30             | -2                                                     | -1                                                     | \$941                      | 0.4%       | 0%                                           |
| Private | Case Western Reserve U                     | \$430,246                                    | 43             | 16             | \$431,090                                    | 49             | 17             | -6                                                     | -1                                                     | \$844                      | 0.2%       | 0%                                           |
| Public  | Clemson U                                  | \$110,493                                    | 137            | 96             | \$142,096                                    | 122            | 83             | 15                                                     | 13                                                     | \$31,603                   | 28.6%      | 22%                                          |
| Public  | Cleveland State U                          | \$60,481                                     | 182            | 134            | \$61,111                                     | 188            | 139            | -6                                                     | -5                                                     | \$630                      | 1.0%       | 1%                                           |
| Private | Cold Spring Harbor Laboratory              | \$84,072                                     | 152            | 45             | \$84,072                                     | 161            | 46             | -9                                                     | -1                                                     |                            |            | 0%                                           |
| Public  | Colorado State U - Fort Collins            | \$335,336                                    | 65             | 42             | \$375,919                                    | 61             | 39             | 4                                                      | 3                                                      | \$40,583                   | 12.1%      | 11%                                          |
| Private | Columbia U                                 | \$847,809                                    | 11             | 4              | \$889,487                                    | 10             | 4              | 1                                                      | 0                                                      | \$41,678                   | 4.9%       | 5%                                           |
| Private | Cornell U                                  | \$507,012                                    | 34             | 13             | \$509,605                                    | 35             | 14             | -1                                                     | -1                                                     | \$2,593                    | 0.5%       | 1%                                           |
| Private | Dartmouth College                          | \$195,251                                    | 97             | 34             | \$195,930                                    | 102            | 35             | -5                                                     | -1                                                     | \$679                      | 0.3%       | 0%                                           |
| Private | Drexel U                                   | \$112,390                                    | 135            | 41             | \$116,768                                    | 139            | 41             | -4                                                     | 0                                                      | \$4,378                    | 3.9%       | 4%                                           |
| Private | Duke U                                     | \$1,004,759                                  | 7              | 2              | \$1,009,911                                  | 7              | 2              | 0                                                      | 0                                                      | \$5,152                    | 0.5%       | 1%                                           |
| Private | Emory U                                    | \$474,537                                    | 37             | 15             | \$565,766                                    | 33             | 12             | 4                                                      | 3                                                      | \$91,229                   | 19.2%      | 16%                                          |
| Public  | Florida International U                    | \$83,639                                     | 154            | 109            | \$118,058                                    | 136            | 97             | 18                                                     | 12                                                     | \$34,419                   | 41.2%      | 29%                                          |
| Public  | Florida State U                            | \$208,005                                    | 93             | 62             | \$225,378                                    | 90             | 60             | 3                                                      | 2                                                      | \$17,373                   | 8.4%       | 8%                                           |
| Public  | George Mason U                             | \$79,913                                     | 160            | 114            | \$90,198                                     | 156            | 112            | 4                                                      | 2                                                      | \$10,285                   | 12.9%      | 11%                                          |
| Private | George Washington U                        | \$187,652                                    | 98             | 35             | \$196,448                                    | 101            | 34             | -3                                                     | 1                                                      | \$8,796                    | 4.7%       | 5%                                           |
| Private | Georgetown U                               | \$171,829                                    | 105            | 36             | \$180,308                                    | 107            | 36             | -2                                                     | 0                                                      | \$8,479                    | 4.9%       | 5%                                           |
| Public  | Georgia Institute of Technology            | \$683,894                                    | 23             | 15             | \$688,905                                    | 24             | 16             | -1                                                     | -1                                                     | \$5,011                    | 0.7%       | 1%                                           |
| Public  | Georgia Health Sciences University         | \$70,526                                     | 169            | 122            | \$70,526                                     | 175            | 126            | -6                                                     | -4                                                     |                            |            | 0%                                           |
| Private | Harvard U                                  | \$753,973                                    | 16             | 7              | \$799,432                                    | 16             | 7              | 0                                                      | 0                                                      | \$45,459                   | 6.0%       | 6%                                           |
| Private | Icahn School of Medicine at Mount Sinai    | \$400,680                                    | 51             | 19             | \$400,680                                    | 53             | 19             | -2                                                     | 0                                                      |                            |            | 0%                                           |
| Public  | Indiana U - Bloomington                    | \$151,240                                    | 117            | 79             | \$184,486                                    | 104            | 69             | 13                                                     | 10                                                     | \$33,246                   | 22.0%      | 18%                                          |
| Public  | Indiana U-Purdue U - Indianapolis          | \$308,101                                    | 69             | 45             | \$316,914                                    | 70             | 45             | -1                                                     | 0                                                      | \$8,813                    | 2.9%       | 3%                                           |
| Public  | Iowa State U                               | \$252,675                                    | 80             | 51             | \$260,995                                    | 79             | 50             | 1                                                      | 1                                                      | \$8,320                    | 3.3%       | 3%                                           |
| Private | Johns Hopkins U                            | \$2,092,999                                  | 1              | 1              | \$2,106,185                                  | 1              | 1              | 0                                                      | 0                                                      | \$13,186                   | 0.6%       | 1%                                           |
| Public  | Kansas State U                             | \$169,863                                    | 106            | 70             | \$176,141                                    | 109            | 73             | -3                                                     | -3                                                     | \$6,278                    | 3.7%       | 4%                                           |
| Public  | Louisiana State U - Baton Rouge            | \$279,019                                    | 75             | 48             | \$285,395                                    | 76             | 48             | -1                                                     | 0                                                      | \$6,376                    | 2.3%       | 2%                                           |
| Public  | Louisiana State U HSC - New Orleans        | \$53,712                                     | 190            | 141            | \$53,712                                     | 202            | 153            | -12                                                    | -12                                                    |                            |            | 0%                                           |
| Private | Massachusetts Institute of Technology      | \$770,367                                    | 15             | 6              | \$824,130                                    | 15             | 6              | 0                                                      | 0                                                      | \$53,763                   | 7.0%       | 7%                                           |
| Private | Medical College of Wisconsin               | \$209,040                                    | 92             | 31             | \$209,040                                    | 94             | 31             | -2                                                     | 0                                                      |                            |            | 0%                                           |
| Public  | Medical U of South Carolina                | \$236,586                                    | 83             | 54             | \$236,586                                    | 85             | 55             | -2                                                     | -1                                                     |                            |            | 0%                                           |
| Public  | Michigan State U                           | \$471,620                                    | 38             | 23             | \$507,061                                    | 36             | 22             | 2                                                      | 1                                                      | \$35,441                   | 7.5%       | 7%                                           |
| Public  | Mississippi State U                        | \$222,320                                    | 88             | 58             | \$233,197                                    | 88             | 58             | 0                                                      | 0                                                      | \$10,877                   | 4.9%       | 5%                                           |
| Public  | Montana State U - Bozeman                  | \$113,235                                    | 134            | 94             | \$124,228                                    | 134            | 95             | 0                                                      | -1                                                     | \$10,993                   | 9.7%       | 9%                                           |
| Public  | Naval Postgraduate School                  | \$124,531                                    | 129            | 90             | \$132,450                                    | 132            | 93             | -3                                                     | -3                                                     | \$7,919                    | 6.4%       | 6%                                           |
| Public  | New Jersey Institute of Technology         | \$91,407                                     | 149            | 105            | \$102,851                                    | 146            | 104            | 3                                                      | 1                                                      | \$11,444                   | 12.5%      | 11%                                          |
| Public  | New Mexico State U - Las Cruces            | \$135,214                                    | 123            | 84             | \$141,151                                    | 124            | 85             | -1                                                     | -1                                                     | \$5,937                    | 4.4%       | 4%                                           |
| Private | New York U                                 | \$425,043                                    | 45             | 17             | \$458,645                                    | 39             | 16             | 6                                                      | 1                                                      | \$33,602                   | 7.9%       | 7%                                           |
| Public  | North Carolina State U                     | \$400,046                                    | 52             | 33             | \$404,225                                    | 52             | 34             | 0                                                      | -1                                                     | \$4,179                    | 1.0%       | 1%                                           |
| Public  | North Dakota State U                       | \$133,874                                    | 124            | 85             | \$135,493                                    | 130            | 91             | -6                                                     | -6                                                     | \$1,619                    | 1.2%       | 1%                                           |
| Private | Northeastern U                             | \$102,911                                    | 140            | 42             | \$107,862                                    | 143            | 42             | -3                                                     | 0                                                      | \$4,951                    | 4.8%       | 5%                                           |
| Private | Northwestern U                             | \$602,451                                    | 28             | 10             | \$631,078                                    | 27             | 10             | 1                                                      | 0                                                      | \$28,627                   | 4.8%       | 5%                                           |
| Public  | Ohio State U - Columbus                    | \$720,082                                    | 17             | 10             | \$766,513                                    | 17             | 10             | 0                                                      | 0                                                      | \$46,431                   | 6.4%       | 6%                                           |
| Public  | Oklahoma State U - Stillwater              | \$166,523                                    | 107            | 71             | \$166,523                                    | 112            | 76             | -5                                                     | -5                                                     | \$0                        | 0.0%       | 0%                                           |
| Public  | Oregon Health & Science U                  | \$305,360                                    | 70             | 46             | \$305,530                                    | 72             | 47             | -2                                                     | -1                                                     | \$170                      | 0.1%       | 0%                                           |
| Public  | Oregon State U                             | \$239,571                                    | 81             | 52             | \$240,507                                    | 83             | 53             | -2                                                     | -1                                                     | \$936                      | 0.4%       | 0%                                           |
| Public  | Pennsylvania State U - Hershey Medical Ctr | \$84,338                                     | 151            | 107            | \$84,338                                     | 160            | 115            | -9                                                     | -8                                                     |                            |            | 0%                                           |
| Public  | Pennsylvania State U - University Park     | \$699,556                                    | 19             | 12             | \$713,341                                    | 19             | 12             | 0                                                      | 0                                                      | \$13,785                   | 2.0%       | 2%                                           |
| Private | Princeton U                                | \$264,980                                    | 77             | 28             | \$275,666                                    | 77             | 29             | 0                                                      | -1                                                     | \$10,686                   | 4.0%       | 4%                                           |
| Public  | Purdue U - West Lafayette                  | \$528,140                                    | 33             | 21             | \$602,501                                    | 31             | 20             | 2                                                      | 1                                                      | \$74,361                   | 14.1%      | 12%                                          |
| Private | Rensselaer Polytechnic Institute           | \$92,348                                     | 147            | 44             | \$92,720                                     | 152            | 44             | -5                                                     | 0                                                      | \$372                      | 0.4%       | 0%                                           |
| Private | Rice U                                     | \$115,235                                    | 133            | 40             | \$117,223                                    | 137            | 40             | -4                                                     | 0                                                      | \$1,988                    | 1.7%       | 2%                                           |
| Private | Rockefeller U                              | \$292,896                                    | 71             | 25             | \$292,896                                    | 73             | 26             | -2                                                     | -1                                                     |                            |            | 0%                                           |
| Private | Rush U                                     | \$80,300                                     | 159            | 46             | \$80,300                                     | 166            | 48             | -7                                                     | -2                                                     |                            |            | 0%                                           |

**Appendix A, Cont. - Comparison of Total Research Ranking with and without non-S&E Expenditures among Institutions with Over \$40M Federal Research in 2012**

| Control | Institution                                 | 2012 Total Research Excluding Non-S&E (000s) | 2012 Natl Rank | 2012 Ctrl Rank | 2012 Total Research Including Non-S&E (000s) | 2012 Natl Rank | 2012 Ctrl Rank | Changes in Natl Rank by Including Non-S&E <sup>1</sup> | Changes in Ctrl Rank by Including Non-S&E <sup>1</sup> | Net Dollar Increase (000s) | % Increase | Non-S&E Portion of all Research Expenditures |
|---------|---------------------------------------------|----------------------------------------------|----------------|----------------|----------------------------------------------|----------------|----------------|--------------------------------------------------------|--------------------------------------------------------|----------------------------|------------|----------------------------------------------|
| Public  | Rutgers U - New Brunswick                   | \$420,737                                    | 47             | 30             | \$434,901                                    | 45             | 29             | 2                                                      | 1                                                      | \$14,164                   | 3.4%       | 3%                                           |
| Public  | San Diego State U                           | \$75,670                                     | 165            | 118            | \$92,867                                     | 151            | 108            | 14                                                     | 10                                                     | \$17,197                   | 22.7%      | 19%                                          |
| Private | Scripps Research Institute                  | \$398,673                                    | 53             | 20             | \$398,673                                    | 54             | 20             | -1                                                     | 0                                                      |                            |            | 0%                                           |
| Public  | South Dakota State U                        | \$68,554                                     | 171            | 123            | \$68,743                                     | 176            | 127            | -5                                                     | -4                                                     | \$189                      | 0.3%       | 0%                                           |
| Private | Stanford U                                  | \$854,580                                    | 10             | 3              | \$903,238                                    | 9              | 3              | 1                                                      | 0                                                      | \$48,658                   | 5.7%       | 5%                                           |
| Public  | Stony Brook U                               | \$218,209                                    | 90             | 60             | \$219,744                                    | 92             | 62             | -2                                                     | -2                                                     | \$1,535                    | 0.7%       | 1%                                           |
| Public  | Temple U                                    | \$126,288                                    | 128            | 89             | \$138,318                                    | 126            | 87             | 2                                                      | 2                                                      | \$12,030                   | 9.5%       | 9%                                           |
| Public  | Texas A&M U - College Station               | \$669,968                                    | 24             | 16             | \$693,421                                    | 23             | 15             | 1                                                      | 1                                                      | \$23,453                   | 3.5%       | 3%                                           |
| Private | Thomas Jefferson U                          | \$100,506                                    | 144            | 43             | \$100,506                                    | 149            | 43             | -5                                                     | 0                                                      |                            |            | 0%                                           |
| Private | Tufts U                                     | \$159,140                                    | 112            | 37             | \$160,922                                    | 115            | 38             | -3                                                     | -1                                                     | \$1,782                    | 1.1%       | 1%                                           |
| Private | Tulane U                                    | \$154,196                                    | 114            | 38             | \$164,373                                    | 114            | 37             | 0                                                      | 1                                                      | \$10,177                   | 6.6%       | 6%                                           |
| Public  | Uniformed Services U of the Health Sciences | \$151,392                                    | 116            | 78             | \$151,392                                    | 121            | 82             | -5                                                     | -4                                                     |                            |            | 0%                                           |
| Public  | U at Albany                                 | \$135,673                                    | 122            | 83             | \$137,758                                    | 128            | 89             | -6                                                     | -6                                                     | \$2,085                    | 1.5%       | 2%                                           |
| Public  | U at Buffalo                                | \$340,930                                    | 63             | 40             | \$360,226                                    | 65             | 41             | -2                                                     | -1                                                     | \$19,296                   | 5.7%       | 5%                                           |
| Public  | U of Alabama - Birmingham                   | \$449,108                                    | 39             | 24             | \$453,779                                    | 41             | 25             | -2                                                     | -1                                                     | \$4,671                    | 1.0%       | 1%                                           |
| Public  | U of Alabama - Huntsville                   | \$83,076                                     | 157            | 112            | \$87,388                                     | 157            | 113            | 0                                                      | -1                                                     | \$4,312                    | 5.2%       | 5%                                           |
| Public  | U of Alaska - Fairbanks                     | \$121,640                                    | 130            | 91             | \$160,407                                    | 116            | 78             | 14                                                     | 13                                                     | \$38,767                   | 31.9%      | 24%                                          |
| Public  | U of Arizona                                | \$615,434                                    | 27             | 18             | \$625,365                                    | 28             | 18             | -1                                                     | 0                                                      | \$9,931                    | 1.6%       | 2%                                           |
| Public  | U of Arkansas for Medical Sciences          | \$129,056                                    | 127            | 88             | \$129,056                                    | 133            | 94             | -6                                                     | -6                                                     |                            |            | 0%                                           |
| Public  | U of California - Berkeley                  | \$696,904                                    | 20             | 13             | \$730,348                                    | 18             | 11             | 2                                                      | 2                                                      | \$33,444                   | 4.8%       | 5%                                           |
| Public  | U of California - Davis                     | \$704,999                                    | 18             | 11             | \$713,292                                    | 20             | 13             | -2                                                     | -2                                                     | \$8,293                    | 1.2%       | 1%                                           |
| Public  | U of California - Irvine                    | \$335,874                                    | 64             | 41             | \$350,030                                    | 67             | 43             | -3                                                     | -2                                                     | \$14,156                   | 4.2%       | 4%                                           |
| Public  | U of California - Los Angeles               | \$969,682                                    | 8              | 6              | \$1,003,375                                  | 8              | 6              | 0                                                      | 0                                                      | \$33,693                   | 3.5%       | 3%                                           |
| Public  | U of California - Riverside                 | \$129,609                                    | 126            | 87             | \$135,494                                    | 129            | 90             | -3                                                     | -3                                                     | \$5,885                    | 4.5%       | 4%                                           |
| Public  | U of California - San Diego                 | \$1,065,306                                  | 4              | 3              | \$1,073,864                                  | 5              | 4              | -1                                                     | -1                                                     | \$8,558                    | 0.8%       | 1%                                           |
| Public  | U of California - San Francisco             | \$1,032,673                                  | 5              | 4              | \$1,032,673                                  | 6              | 5              | -1                                                     | -1                                                     |                            |            | 0%                                           |
| Public  | U of California - Santa Barbara             | \$222,916                                    | 87             | 57             | \$233,883                                    | 87             | 57             | 0                                                      | 0                                                      | \$10,967                   | 4.9%       | 5%                                           |
| Public  | U of California - Santa Cruz                | \$149,824                                    | 118            | 80             | \$155,516                                    | 119            | 80             | -1                                                     | 0                                                      | \$5,692                    | 3.8%       | 4%                                           |
| Public  | U of Central Florida                        | \$102,562                                    | 141            | 99             | \$116,891                                    | 138            | 98             | 3                                                      | 1                                                      | \$14,329                   | 14.0%      | 12%                                          |
| Private | U of Chicago                                | \$411,864                                    | 49             | 18             | \$419,631                                    | 51             | 18             | -2                                                     | 0                                                      | \$7,767                    | 1.9%       | 2%                                           |
| Public  | U of Cincinnati - Cincinnati                | \$408,294                                    | 50             | 32             | \$433,668                                    | 46             | 30             | 4                                                      | 2                                                      | \$25,374                   | 6.2%       | 6%                                           |
| Public  | U of Colorado - Boulder                     | \$373,512                                    | 58             | 36             | \$392,004                                    | 55             | 35             | 3                                                      | 1                                                      | \$18,492                   | 5.0%       | 5%                                           |
| Public  | U of Colorado - Denver                      | \$422,844                                    | 46             | 29             | \$431,977                                    | 48             | 32             | -2                                                     | -3                                                     | \$9,133                    | 2.2%       | 2%                                           |
| Public  | U of Connecticut - Health Center            | \$102,530                                    | 142            | 100            | \$102,530                                    | 147            | 105            | -5                                                     | -5                                                     |                            |            | 0%                                           |
| Public  | U of Connecticut - Storrs                   | \$147,938                                    | 119            | 81             | \$154,324                                    | 120            | 81             | -1                                                     | 0                                                      | \$6,386                    | 4.3%       | 4%                                           |
| Private | U of Dayton                                 | \$79,877                                     | 161            | 47             | \$81,030                                     | 164            | 47             | -3                                                     | 0                                                      | \$1,153                    | 1.4%       | 1%                                           |
| Public  | U of Delaware                               | \$161,327                                    | 111            | 75             | \$170,174                                    | 110            | 74             | 1                                                      | 1                                                      | \$8,847                    | 5.5%       | 5%                                           |
| Public  | U of Florida                                | \$649,988                                    | 26             | 17             | \$696,985                                    | 22             | 14             | 4                                                      | 3                                                      | \$46,997                   | 7.2%       | 7%                                           |
| Public  | U of Georgia                                | \$311,498                                    | 68             | 44             | \$351,395                                    | 66             | 42             | 2                                                      | 2                                                      | \$39,897                   | 12.8%      | 11%                                          |
| Public  | U of Hawaii - Manoa                         | \$312,311                                    | 67             | 43             | \$312,311                                    | 71             | 46             | -4                                                     | -3                                                     | \$0                        | 0.0%       | 0%                                           |
| Public  | U of Houston - University Park              | \$105,844                                    | 138            | 97             | \$116,288                                    | 140            | 99             | -2                                                     | -2                                                     | \$10,444                   | 9.9%       | 9%                                           |
| Public  | U of Idaho                                  | \$95,327                                     | 146            | 103            | \$97,227                                     | 150            | 107            | -4                                                     | -4                                                     | \$1,900                    | 2.0%       | 2%                                           |
| Public  | U of Illinois - Chicago                     | \$381,918                                    | 56             | 35             | \$388,625                                    | 57             | 36             | -1                                                     | -1                                                     | \$6,707                    | 1.8%       | 2%                                           |
| Public  | U of Illinois - Urbana-Champaign            | \$558,022                                    | 30             | 19             | \$583,754                                    | 32             | 21             | -2                                                     | -2                                                     | \$25,732                   | 4.6%       | 4%                                           |
| Public  | U of Iowa                                   | \$432,980                                    | 42             | 27             | \$446,429                                    | 42             | 26             | 0                                                      | 1                                                      | \$13,449                   | 3.1%       | 3%                                           |
| Public  | U of Kansas - Lawrence                      | \$172,615                                    | 104            | 69             | \$202,567                                    | 98             | 65             | 6                                                      | 4                                                      | \$29,952                   | 17.4%      | 15%                                          |
| Public  | U of Kansas Medical Center                  | \$83,695                                     | 153            | 108            | \$83,695                                     | 162            | 116            | -9                                                     | -8                                                     |                            |            | 0%                                           |
| Public  | U of Kentucky                               | \$354,132                                    | 61             | 38             | \$360,776                                    | 64             | 40             | -3                                                     | -2                                                     | \$6,644                    | 1.9%       | 2%                                           |
| Public  | U of Louisville                             | \$165,319                                    | 109            | 73             | \$196,842                                    | 100            | 67             | 9                                                      | 6                                                      | \$31,523                   | 19.1%      | 16%                                          |
| Public  | U of Maryland - Baltimore                   | \$414,754                                    | 48             | 31             | \$433,228                                    | 47             | 31             | 1                                                      | 0                                                      | \$18,474                   | 4.5%       | 4%                                           |
| Public  | U of Maryland - Baltimore County            | \$65,628                                     | 174            | 126            | \$74,993                                     | 171            | 123            | 3                                                      | 3                                                      | \$9,365                    | 14.3%      | 13%                                          |
| Public  | U of Maryland - College Park                | \$498,417                                    | 35             | 22             | \$502,406                                    | 37             | 23             | -2                                                     | -1                                                     | \$3,989                    | 0.8%       | 1%                                           |
| Public  | U of Massachusetts - Amherst                | \$178,207                                    | 103            | 68             | \$194,775                                    | 103            | 68             | 0                                                      | 0                                                      | \$16,568                   | 9.3%       | 9%                                           |
| Public  | U of Massachusetts Medical Sch - Worcester  | \$256,090                                    | 78             | 50             | \$256,090                                    | 80             | 51             | -2                                                     | -1                                                     |                            |            | 0%                                           |
| Public  | U of Medicine & Dentistry of New Jersey     | \$206,504                                    | 94             | 63             | \$206,504                                    | 95             | 64             | -1                                                     | -1                                                     |                            |            | 0%                                           |
| Private | U of Miami                                  | \$361,772                                    | 60             | 23             | \$365,301                                    | 62             | 23             | -2                                                     | 0                                                      | \$3,529                    | 1.0%       | 1%                                           |
| Public  | U of Michigan - Ann Arbor                   | \$1,247,680                                  | 2              | 1              | \$1,322,711                                  | 2              | 1              | 0                                                      | 0                                                      | \$75,031                   | 6.0%       | 6%                                           |
| Public  | U of Minnesota - Twin Cities                | \$806,832                                    | 14             | 9              | \$826,173                                    | 14             | 9              | 0                                                      | 0                                                      | \$19,341                   | 2.4%       | 2%                                           |
| Public  | U of Missouri - Columbia                    | \$234,975                                    | 85             | 56             | \$239,810                                    | 84             | 54             | 1                                                      | 2                                                      | \$4,835                    | 2.1%       | 2%                                           |
| Public  | U of Nebraska - Lincoln                     | \$238,471                                    | 82             | 53             | \$253,320                                    | 82             | 52             | 0                                                      | 1                                                      | \$14,849                   | 6.2%       | 6%                                           |
| Public  | U of Nebraska Medical Center                | \$141,619                                    | 121            | 82             | \$141,619                                    | 123            | 84             | -2                                                     | -2                                                     |                            |            | 0%                                           |

**Appendix A, Cont. - Comparison of Total Research Ranking with and without non-S&E Expenditures among Institutions with Over \$40M Federal Research in 2012**

| Control | Institution                                 | 2012 Total Research Excluding Non-S&E (000s) | 2012 Natl Rank | 2012 Ctrl Rank | 2012 Total Research Including Non-S&E (000s) | 2012 Natl Rank | 2012 Ctrl Rank | Changes in Natl Rank by Including Non-S&E <sup>1</sup> | Changes in Ctrl Rank by Including Non-S&E <sup>1</sup> | Net Dollar Increase (000s) | % Increase | Non-S&E Portion of all Research Expenditures |
|---------|---------------------------------------------|----------------------------------------------|----------------|----------------|----------------------------------------------|----------------|----------------|--------------------------------------------------------|--------------------------------------------------------|----------------------------|------------|----------------------------------------------|
| Public  | U of Nevada - Reno                          | \$83,137                                     | 155            | 110            | \$85,726                                     | 158            | 114            | -3                                                     | -4                                                     | \$2,589                    | 3.1%       | 3%                                           |
| Public  | U of New Hampshire - Durham                 | \$152,276                                    | 115            | 77             | \$165,156                                    | 113            | 77             | 2                                                      | 0                                                      | \$12,880                   | 8.5%       | 8%                                           |
| Public  | U of New Mexico - Albuquerque               | \$216,218                                    | 91             | 61             | \$220,360                                    | 91             | 61             | 0                                                      | 0                                                      | \$4,142                    | 1.9%       | 2%                                           |
| Public  | U of North Carolina - Chapel Hill           | \$864,748                                    | 9              | 7              | \$884,791                                    | 11             | 7              | -2                                                     | 0                                                      | \$20,043                   | 2.3%       | 2%                                           |
| Public  | U of North Dakota                           | \$79,792                                     | 162            | 115            | \$80,149                                     | 167            | 119            | -5                                                     | -4                                                     | \$357                      | 0.4%       | 0%                                           |
| Private | U of Notre Dame                             | \$143,328                                    | 120            | 39             | \$157,691                                    | 117            | 39             | 3                                                      | 0                                                      | \$14,363                   | 10.0%      | 9%                                           |
| Public  | U of Oklahoma - Norman                      | \$115,529                                    | 132            | 93             | \$139,326                                    | 125            | 86             | 7                                                      | 7                                                      | \$23,797                   | 20.6%      | 17%                                          |
| Public  | U of Oklahoma Health Sciences Center        | \$101,648                                    | 143            | 101            | \$101,648                                    | 148            | 106            | -5                                                     | -5                                                     |                            |            | 0%                                           |
| Public  | U of Oregon                                 | \$87,656                                     | 150            | 106            | \$105,030                                    | 144            | 102            | 6                                                      | 4                                                      | \$17,374                   | 19.8%      | 17%                                          |
| Private | U of Pennsylvania                           | \$813,210                                    | 13             | 5              | \$847,077                                    | 13             | 5              | 0                                                      | 0                                                      | \$33,867                   | 4.2%       | 4%                                           |
| Public  | U of Pittsburgh - Pittsburgh                | \$839,793                                    | 12             | 8              | \$866,638                                    | 12             | 8              | 0                                                      | 0                                                      | \$26,845                   | 3.2%       | 3%                                           |
| Public  | U of Rhode Island                           | \$97,845                                     | 145            | 102            | \$114,323                                    | 142            | 101            | 3                                                      | 1                                                      | \$16,478                   | 16.8%      | 14%                                          |
| Private | U of Rochester                              | \$388,401                                    | 55             | 21             | \$389,612                                    | 56             | 21             | -1                                                     | 0                                                      | \$1,211                    | 0.3%       | 0%                                           |
| Public  | U of South Carolina - Columbia              | \$186,559                                    | 99             | 64             | \$214,901                                    | 93             | 63             | 6                                                      | 1                                                      | \$28,342                   | 15.2%      | 13%                                          |
| Public  | U of South Florida - Tampa                  | \$394,694                                    | 54             | 34             | \$443,206                                    | 43             | 27             | 11                                                     | 7                                                      | \$48,512                   | 12.3%      | 11%                                          |
| Private | U of Southern California                    | \$593,003                                    | 29             | 11             | \$623,544                                    | 29             | 11             | 0                                                      | 0                                                      | \$30,541                   | 5.2%       | 5%                                           |
| Public  | U of Tennessee - Knoxville                  | \$165,708                                    | 108            | 72             | \$179,252                                    | 108            | 72             | 0                                                      | 0                                                      | \$13,544                   | 8.2%       | 7%                                           |
| Public  | U of Tennessee Health Science Center        | \$77,749                                     | 164            | 117            | \$77,754                                     | 170            | 122            | -6                                                     | -5                                                     |                            |            | 0%                                           |
| Public  | U of Texas - Austin                         | \$549,312                                    | 31             | 20             | \$621,538                                    | 30             | 19             | 1                                                      | 1                                                      | \$72,226                   | 13.1%      | 12%                                          |
| Public  | U of Texas Health Science Center - Houston  | \$236,250                                    | 84             | 55             | \$236,250                                    | 86             | 56             | -2                                                     | -1                                                     |                            |            | 0%                                           |
| Public  | U of Texas Health Science Ctr - San Antonio | \$184,298                                    | 100            | 65             | \$184,298                                    | 105            | 70             | -5                                                     | -5                                                     |                            |            | 0%                                           |
| Public  | U of Texas MD Anderson Cancer Center        | \$685,814                                    | 22             | 14             | \$685,814                                    | 25             | 17             | -3                                                     | -3                                                     |                            |            | 0%                                           |
| Public  | U of Texas Medical Branch - Galveston       | \$180,888                                    | 101            | 66             | \$180,888                                    | 106            | 71             | -5                                                     | -5                                                     |                            |            | 0%                                           |
| Public  | U of Texas SW Medical Center - Dallas       | \$435,085                                    | 41             | 26             | \$435,085                                    | 44             | 28             | -3                                                     | -2                                                     |                            |            | 0%                                           |
| Public  | U of Utah                                   | \$425,558                                    | 44             | 28             | \$430,056                                    | 50             | 33             | -6                                                     | -5                                                     | \$4,498                    | 1.1%       | 1%                                           |
| Public  | U of Vermont                                | \$115,569                                    | 131            | 92             | \$115,697                                    | 141            | 100            | -10                                                    | -8                                                     | \$128                      | 0.1%       | 0%                                           |
| Public  | U of Virginia                               | \$363,569                                    | 59             | 37             | \$383,359                                    | 59             | 38             | 0                                                      | -1                                                     | \$19,790                   | 5.4%       | 5%                                           |
| Public  | U of Washington - Seattle                   | \$1,065,414                                  | 3              | 2              | \$1,109,008                                  | 4              | 3              | -1                                                     | -1                                                     | \$43,594                   | 4.1%       | 4%                                           |
| Public  | U of Wisconsin - Madison                    | \$1,030,605                                  | 6              | 5              | \$1,169,779                                  | 3              | 2              | 3                                                      | 3                                                      | \$139,174                  | 13.5%      | 12%                                          |
| Public  | U of Wyoming                                | \$63,812                                     | 177            | 129            | \$65,611                                     | 181            | 132            | -4                                                     | -3                                                     | \$1,799                    | 2.8%       | 3%                                           |
| Public  | Utah State U                                | \$155,305                                    | 113            | 76             | \$157,355                                    | 118            | 79             | -5                                                     | -3                                                     | \$2,050                    | 1.3%       | 1%                                           |
| Private | Vanderbilt U                                | \$533,878                                    | 32             | 12             | \$560,466                                    | 34             | 13             | -2                                                     | -1                                                     | \$26,588                   | 5.0%       | 5%                                           |
| Public  | Virginia Commonwealth U                     | \$179,310                                    | 102            | 67             | \$201,366                                    | 99             | 66             | 3                                                      | 1                                                      | \$22,056                   | 12.3%      | 11%                                          |
| Public  | Virginia Polytechnic Institute and State U  | \$448,054                                    | 40             | 25             | \$454,417                                    | 40             | 24             | 0                                                      | 1                                                      | \$6,363                    | 1.4%       | 1%                                           |
| Private | Wake Forest U                               | \$203,730                                    | 96             | 33             | \$204,328                                    | 97             | 33             | -1                                                     | 0                                                      | \$598                      | 0.3%       | 0%                                           |
| Public  | Washington State U - Pullman                | \$288,693                                    | 74             | 47             | \$335,930                                    | 68             | 44             | 6                                                      | 3                                                      | \$47,237                   | 16.4%      | 14%                                          |
| Private | Washington U in St. Louis                   | \$689,035                                    | 21             | 8              | \$706,410                                    | 21             | 8              | 0                                                      | 0                                                      | \$17,375                   | 2.5%       | 3%                                           |
| Public  | Wayne State U                               | \$221,666                                    | 89             | 59             | \$227,070                                    | 89             | 59             | 0                                                      | 0                                                      | \$5,404                    | 2.4%       | 2%                                           |
| Private | Weill Cornell Medical College               | \$292,782                                    | 72             | 26             | \$292,782                                    | 74             | 27             | -2                                                     | -1                                                     |                            |            | 0%                                           |
| Public  | West Virginia U                             | \$161,961                                    | 110            | 74             | \$169,303                                    | 111            | 75             | -1                                                     | -1                                                     | \$7,342                    | 4.5%       | 4%                                           |
| Private | Woods Hole Oceanographic Institution        | \$204,352                                    | 95             | 32             | \$204,352                                    | 96             | 32             | -1                                                     | 0                                                      |                            |            | 0%                                           |
| Private | Yale U                                      | \$654,824                                    | 25             | 9              | \$656,555                                    | 26             | 9              | -1                                                     | 0                                                      | \$1,731                    | 0.3%       | 0%                                           |
| Private | Yeshiva U                                   | \$289,027                                    | 73             | 27             | \$289,027                                    | 75             | 28             | -2                                                     | -1                                                     | \$0                        | 0.0%       | 0%                                           |

**Appendix B - Comparison of Federal Research Ranking with and without  
non-S&E Expenditures among Institutions with Over \$40M Federal Research in 2012**

| Control | Institution                             | 2012 Total Research Excluding Non-S&E (000s) | 2012 Natl Rank | 2012 Ctrl Rank | 2012 Total Research Including Non-S&E (000s) | 2012 Natl Rank | 2012 Ctrl Rank | Changes in Natl Rank by Including Non-S&E <sup>1</sup> | Changes in Ctrl Rank by Including Non-S&E <sup>1</sup> | Net Dollar Increase (000s) | % Increase | Non-S&E Portion of all Research Expenditures |
|---------|-----------------------------------------|----------------------------------------------|----------------|----------------|----------------------------------------------|----------------|----------------|--------------------------------------------------------|--------------------------------------------------------|----------------------------|------------|----------------------------------------------|
| Public  | Arizona State U                         | \$182,188                                    | 68             | 42             | \$194,376                                    | 66             | 40             | 2                                                      | 2                                                      | \$12,188                   | 6.7%       | 6%                                           |
| Public  | Auburn U                                | \$55,118                                     | 149            | 103            | \$55,557                                     | 151            | 105            | -2                                                     | -2                                                     | \$439                      | 0.8%       | 1%                                           |
| Private | Baylor College of Medicine              | \$268,753                                    | 47             | 23             | \$268,753                                    | 51             | 23             | -4                                                     | 0                                                      |                            |            | 0%                                           |
| Private | Boston U                                | \$273,204                                    | 44             | 21             | \$275,319                                    | 44             | 21             | 0                                                      | 0                                                      | \$2,115                    | 0.8%       | 1%                                           |
| Private | Brandeis U                              | \$44,061                                     | 162            | 47             | \$44,532                                     | 162            | 47             | 0                                                      | 0                                                      | \$471                      | 1.1%       | 1%                                           |
| Private | Brown U                                 | \$127,665                                    | 85             | 32             | \$131,994                                    | 86             | 32             | -1                                                     | 0                                                      | \$4,329                    | 3.4%       | 3%                                           |
| Private | California Institute of Technology      | \$322,295                                    | 34             | 16             | \$326,701                                    | 35             | 16             | -1                                                     | 0                                                      | \$4,406                    | 1.4%       | 1%                                           |
| Private | Carnegie Mellon U                       | \$209,307                                    | 60             | 25             | \$209,522                                    | 60             | 25             | 0                                                      | 0                                                      | \$215                      | 0.1%       | 0%                                           |
| Private | Case Western Reserve U                  | \$358,722                                    | 26             | 14             | \$359,000                                    | 27             | 14             | -1                                                     | 0                                                      | \$278                      | 0.1%       | 0%                                           |
| Public  | Clemson U                               | \$48,182                                     | 157            | 111            | \$51,764                                     | 156            | 110            | 1                                                      | 1                                                      | \$3,582                    | 7.4%       | 7%                                           |
| Public  | Cleveland State U                       | \$46,205                                     | 159            | 113            | \$46,645                                     | 159            | 113            | 0                                                      | 0                                                      | \$440                      | 1.0%       | 1%                                           |
| Private | Cold Spring Harbor Laboratory           | \$43,874                                     | 163            | 48             | \$43,874                                     | 163            | 48             | 0                                                      | 0                                                      |                            |            | 0%                                           |
| Public  | Colorado State U - Fort Collins         | \$245,573                                    | 53             | 30             | \$252,286                                    | 53             | 30             | 0                                                      | 0                                                      | \$6,713                    | 2.7%       | 3%                                           |
| Private | Columbia U                              | \$631,961                                    | 6              | 3              | \$645,573                                    | 6              | 3              | 0                                                      | 0                                                      | \$13,612                   | 2.2%       | 2%                                           |
| Private | Cornell U                               | \$298,596                                    | 41             | 20             | \$300,245                                    | 42             | 20             | -1                                                     | 0                                                      | \$1,649                    | 0.6%       | 1%                                           |
| Private | Dartmouth College                       | \$147,218                                    | 79             | 31             | \$147,421                                    | 79             | 31             | 0                                                      | 0                                                      | \$203                      | 0.1%       | 0%                                           |
| Private | Drexel U                                | \$85,584                                     | 119            | 38             | \$87,860                                     | 119            | 38             | 0                                                      | 0                                                      | \$2,276                    | 2.7%       | 3%                                           |
| Private | Duke U                                  | \$585,636                                    | 10             | 5              | \$587,268                                    | 11             | 6              | -1                                                     | -1                                                     | \$1,632                    | 0.3%       | 0%                                           |
| Private | Emory U                                 | \$360,934                                    | 25             | 13             | \$361,165                                    | 25             | 13             | 0                                                      | 0                                                      | \$231                      | 0.1%       | 0%                                           |
| Public  | Florida International U                 | \$54,204                                     | 153            | 107            | \$69,402                                     | 137            | 95             | 16                                                     | 12                                                     | \$15,198                   | 28.0%      | 22%                                          |
| Public  | Florida State U                         | \$131,998                                    | 84             | 53             | \$140,419                                    | 82             | 51             | 2                                                      | 2                                                      | \$8,421                    | 6.4%       | 6%                                           |
| Public  | George Mason U                          | \$57,504                                     | 145            | 99             | \$63,786                                     | 141            | 97             | 4                                                      | 2                                                      | \$6,282                    | 10.9%      | 10%                                          |
| Private | George Washington U                     | \$111,068                                    | 96             | 36             | \$112,110                                    | 102            | 36             | -6                                                     | 0                                                      | \$1,042                    | 0.9%       | 1%                                           |
| Private | Georgetown U                            | \$113,229                                    | 94             | 35             | \$115,197                                    | 98             | 35             | -4                                                     | 0                                                      | \$1,968                    | 1.7%       | 2%                                           |
| Public  | Georgia Institute of Technology         | \$482,349                                    | 16             | 9              | \$484,212                                    | 18             | 10             | -2                                                     | -1                                                     | \$1,863                    | 0.4%       | 0%                                           |
| Public  | Georgia Health Sciences University      | \$55,106                                     | 150            | 104            | \$55,106                                     | 154            | 108            | -4                                                     | -4                                                     |                            |            | 0%                                           |
| Private | Harvard U                               | \$574,346                                    | 11             | 6              | \$589,860                                    | 10             | 5              | 1                                                      | 1                                                      | \$15,514                   | 2.7%       | 3%                                           |
| Private | Icahn School of Medicine at Mount Sinai | \$271,722                                    | 45             | 22             | \$271,722                                    | 46             | 22             | -1                                                     | 0                                                      |                            |            | 0%                                           |
| Public  | Indiana U - Bloomington                 | \$72,501                                     | 133            | 91             | \$79,727                                     | 129            | 89             | 4                                                      | 2                                                      | \$7,226                    | 10.0%      | 9%                                           |
| Public  | Indiana U-Purdue U - Indianapolis       | \$165,374                                    | 73             | 45             | \$166,825                                    | 73             | 45             | 0                                                      | 0                                                      | \$1,451                    | 0.9%       | 1%                                           |
| Public  | Iowa State U                            | \$117,144                                    | 93             | 59             | \$118,242                                    | 95             | 61             | -2                                                     | -2                                                     | \$1,098                    | 0.9%       | 1%                                           |
| Private | Johns Hopkins U                         | \$1,845,845                                  | 1              | 1              | \$1,857,580                                  | 1              | 1              | 0                                                      | 0                                                      | \$11,735                   | 0.6%       | 1%                                           |
| Public  | Kansas State U                          | \$73,247                                     | 131            | 89             | \$77,689                                     | 132            | 92             | -1                                                     | -3                                                     | \$4,442                    | 6.1%       | 6%                                           |
| Public  | Louisiana State U - Baton Rouge         | \$91,238                                     | 114            | 77             | \$92,551                                     | 114            | 77             | 0                                                      | 0                                                      | \$1,313                    | 1.4%       | 1%                                           |
| Public  | Louisiana State U HSC - New Orleans     | \$40,637                                     | 165            | 117            | \$40,637                                     | 169            | 121            | -4                                                     | -4                                                     |                            |            | 0%                                           |
| Private | Massachusetts Institute of Technology   | \$478,955                                    | 18             | 8              | \$496,132                                    | 16             | 8              | 2                                                      | 0                                                      | \$17,177                   | 3.6%       | 3%                                           |
| Private | Medical College of Wisconsin            | \$125,325                                    | 87             | 33             | \$125,325                                    | 90             | 33             | -3                                                     | 0                                                      |                            |            | 0%                                           |
| Public  | Medical U of South Carolina             | \$136,907                                    | 81             | 50             | \$136,907                                    | 84             | 53             | -3                                                     | -3                                                     |                            |            | 0%                                           |
| Public  | Michigan State U                        | \$250,416                                    | 52             | 29             | \$268,952                                    | 50             | 28             | 2                                                      | 1                                                      | \$18,536                   | 7.4%       | 7%                                           |
| Public  | Mississippi State U                     | \$96,132                                     | 111            | 74             | \$96,689                                     | 112            | 75             | -1                                                     | -1                                                     | \$557                      | 0.6%       | 1%                                           |
| Public  | Montana State U - Bozeman               | \$78,409                                     | 125            | 85             | \$86,511                                     | 121            | 83             | 4                                                      | 2                                                      | \$8,102                    | 10.3%      | 9%                                           |
| Public  | Naval Postgraduate School               | \$120,209                                    | 90             | 57             | \$127,049                                    | 88             | 56             | 2                                                      | 1                                                      | \$6,840                    | 5.7%       | 5%                                           |
| Public  | New Jersey Institute of Technology      | \$57,513                                     | 143            | 98             | \$59,398                                     | 145            | 100            | -2                                                     | -2                                                     | \$1,885                    | 3.3%       | 3%                                           |
| Public  | New Mexico State U - Las Cruces         | \$90,338                                     | 115            | 78             | \$90,722                                     | 116            | 79             | -1                                                     | -1                                                     | \$384                      | 0.4%       | 0%                                           |
| Private | New York U                              | \$300,271                                    | 40             | 19             | \$316,208                                    | 36             | 17             | 4                                                      | 2                                                      | \$15,937                   | 5.3%       | 5%                                           |
| Public  | North Carolina State U                  | \$171,464                                    | 72             | 44             | \$174,758                                    | 70             | 44             | 2                                                      | 0                                                      | \$3,294                    | 1.9%       | 2%                                           |
| Public  | North Dakota State U                    | \$45,326                                     | 160            | 114            | \$46,490                                     | 160            | 114            | 0                                                      | 0                                                      | \$1,164                    | 2.6%       | 3%                                           |
| Private | Northeastern U                          | \$75,733                                     | 129            | 42             | \$77,667                                     | 133            | 41             | -4                                                     | 1                                                      | \$1,934                    | 2.6%       | 2%                                           |
| Private | Northwestern U                          | \$385,377                                    | 24             | 12             | \$393,074                                    | 24             | 12             | 0                                                      | 0                                                      | \$7,697                    | 2.0%       | 2%                                           |
| Public  | Ohio State U - Columbus                 | \$416,304                                    | 23             | 12             | \$445,635                                    | 21             | 12             | 2                                                      | 0                                                      | \$29,331                   | 7.0%       | 7%                                           |
| Public  | Oklahoma State U - Stillwater           | \$85,876                                     | 118            | 81             | \$85,876                                     | 123            | 85             | -5                                                     | -4                                                     | \$0                        | 0.0%       | 0%                                           |
| Public  | Oregon Health & Science U               | \$242,219                                    | 55             | 32             | \$242,337                                    | 55             | 32             | 0                                                      | 0                                                      | \$118                      | 0.0%       | 0%                                           |
| Public  | Oregon State U                          | \$155,667                                    | 78             | 48             | \$156,446                                    | 78             | 48             | 0                                                      | 0                                                      | \$779                      | 0.5%       | 1%                                           |
| Public  | Pennsylvania State U - Hershey Med Ctr  | \$56,615                                     | 146            | 100            | \$56,615                                     | 149            | 103            | -3                                                     | -3                                                     |                            |            | 0%                                           |
| Public  | Pennsylvania State U - University Park  | \$469,597                                    | 19             | 11             | \$474,806                                    | 19             | 11             | 0                                                      | 0                                                      | \$5,209                    | 1.1%       | 1%                                           |
| Private | Princeton U                             | \$160,985                                    | 75             | 30             | \$161,591                                    | 74             | 29             | 1                                                      | 1                                                      | \$606                      | 0.4%       | 0%                                           |
| Public  | Purdue U - West Lafayette               | \$255,691                                    | 51             | 28             | \$270,655                                    | 47             | 25             | 4                                                      | 3                                                      | \$14,964                   | 5.9%       | 6%                                           |
| Private | Rensselaer Polytechnic Institute        | \$62,063                                     | 139            | 45             | \$62,341                                     | 142            | 45             | -3                                                     | 0                                                      | \$278                      | 0.4%       | 0%                                           |
| Private | Rice U                                  | \$76,431                                     | 128            | 41             | \$76,964                                     | 134            | 42             | -6                                                     | -1                                                     | \$533                      | 0.7%       | 1%                                           |
| Private | Rockefeller U                           | \$84,616                                     | 121            | 39             | \$84,616                                     | 124            | 39             | -3                                                     | 0                                                      |                            |            | 0%                                           |
| Private | Rush U                                  | \$57,512                                     | 144            | 46             | \$57,512                                     | 146            | 46             | -2                                                     | 0                                                      |                            |            | 0%                                           |

**Appendix B, Cont. - Comparison of Federal Research Ranking with and without non-S&E Expenditures among Institutions with Over \$40M Federal Research in 2012**

| Control | Institution                                | 2012 Total Research Excluding Non-S&E (000s) | 2012 Natl Rank | 2012 Ctrl Rank | 2012 Total Research Including Non-S&E (000s) | 2012 Natl Rank | 2012 Ctrl Rank | Changes in Natl Rank by Including Non-S&E <sup>1</sup> | Changes in Ctrl Rank by Including Non-S&E <sup>1</sup> | Net Dollar Increase (000s) | % Increase | Non-S&E Portion of all Research Expenditures |
|---------|--------------------------------------------|----------------------------------------------|----------------|----------------|----------------------------------------------|----------------|----------------|--------------------------------------------------------|--------------------------------------------------------|----------------------------|------------|----------------------------------------------|
| Public  | Rutgers U - New Brunswick                  | \$273,498                                    | 43             | 23             | \$279,161                                    | 43             | 23             | 0                                                      | 0                                                      | \$5,663                    | 2.1%       | 2%                                           |
| Public  | San Diego State U                          | \$51,690                                     | 155            | 109            | \$56,797                                     | 148            | 102            | 7                                                      | 7                                                      | \$5,107                    | 9.9%       | 9%                                           |
| Private | Scripps Research Institute                 | \$309,471                                    | 36             | 17             | \$309,471                                    | 38             | 18             | -2                                                     | -1                                                     |                            |            | 0%                                           |
| Public  | South Dakota State U                       | \$41,941                                     | 164            | 116            | \$41,975                                     | 167            | 119            | -3                                                     | -3                                                     | \$34                       | 0.1%       | 0%                                           |
| Private | Stanford U                                 | \$607,578                                    | 8              | 4              | \$636,348                                    | 8              | 4              | 0                                                      | 0                                                      | \$28,770                   | 4.7%       | 5%                                           |
| Public  | Stony Brook U                              | \$123,198                                    | 89             | 56             | \$123,383                                    | 91             | 58             | -2                                                     | -2                                                     | \$185                      | 0.2%       | 0%                                           |
| Public  | Temple U                                   | \$85,062                                     | 120            | 82             | \$90,243                                     | 117            | 80             | 3                                                      | 2                                                      | \$5,181                    | 6.1%       | 6%                                           |
| Public  | Texas A&M U - College Station              | \$259,506                                    | 50             | 27             | \$269,460                                    | 49             | 27             | 1                                                      | 0                                                      | \$9,954                    | 3.8%       | 4%                                           |
| Private | Thomas Jefferson U                         | \$68,976                                     | 136            | 43             | \$68,976                                     | 138            | 43             | -2                                                     | 0                                                      |                            |            | 0%                                           |
| Private | Tufts U                                    | \$120,042                                    | 92             | 34             | \$121,512                                    | 93             | 34             | -1                                                     | 0                                                      | \$1,470                    | 1.2%       | 1%                                           |
| Private | Tulane U                                   | \$101,130                                    | 108            | 37             | \$101,360                                    | 109            | 37             | -1                                                     | 0                                                      | \$230                      | 0.2%       | 0%                                           |
| Public  | Uniformed Services U of the Health Sci     | \$110,276                                    | 100            | 64             | \$110,276                                    | 104            | 68             | -4                                                     | -4                                                     |                            |            | 0%                                           |
| Public  | U at Albany                                | \$112,161                                    | 95             | 60             | \$112,989                                    | 100            | 65             | -5                                                     | -5                                                     | \$828                      | 0.7%       | 1%                                           |
| Public  | U at Buffalo                               | \$186,747                                    | 67             | 41             | \$193,613                                    | 68             | 42             | -1                                                     | -1                                                     | \$6,866                    | 3.7%       | 4%                                           |
| Public  | U of Alabama - Birmingham                  | \$303,677                                    | 39             | 21             | \$306,210                                    | 40             | 21             | -1                                                     | 0                                                      | \$2,533                    | 0.8%       | 1%                                           |
| Public  | U of Alabama - Huntsville                  | \$75,715                                     | 130            | 88             | \$78,528                                     | 130            | 90             | 0                                                      | -2                                                     | \$2,813                    | 3.7%       | 4%                                           |
| Public  | U of Alaska - Fairbanks                    | \$97,472                                     | 110            | 73             | \$99,674                                     | 110            | 73             | 0                                                      | 0                                                      | \$2,202                    | 2.3%       | 2%                                           |
| Public  | U of Arizona                               | \$328,369                                    | 33             | 18             | \$331,578                                    | 33             | 18             | 0                                                      | 0                                                      | \$3,209                    | 1.0%       | 1%                                           |
| Public  | U of Arkansas for Medical Sciences         | \$69,883                                     | 135            | 93             | \$69,883                                     | 136            | 94             | -1                                                     | -1                                                     |                            |            | 0%                                           |
| Public  | U of California - Berkeley                 | \$333,179                                    | 30             | 16             | \$338,759                                    | 31             | 17             | -1                                                     | -1                                                     | \$5,580                    | 1.7%       | 2%                                           |
| Public  | U of California - Davis                    | \$356,540                                    | 27             | 13             | \$358,577                                    | 28             | 14             | -1                                                     | -1                                                     | \$2,037                    | 0.6%       | 1%                                           |
| Public  | U of California - Irvine                   | \$204,062                                    | 62             | 37             | \$206,985                                    | 62             | 37             | 0                                                      | 0                                                      | \$2,923                    | 1.4%       | 1%                                           |
| Public  | U of California - Los Angeles              | \$527,899                                    | 14             | 8              | \$539,054                                    | 14             | 8              | 0                                                      | 0                                                      | \$11,155                   | 2.1%       | 2%                                           |
| Public  | U of California - Riverside                | \$61,304                                     | 141            | 96             | \$63,821                                     | 140            | 96             | 1                                                      | 0                                                      | \$2,517                    | 4.1%       | 4%                                           |
| Public  | U of California - San Diego                | \$653,549                                    | 5              | 3              | \$656,891                                    | 5              | 3              | 0                                                      | 0                                                      | \$3,342                    | 0.5%       | 1%                                           |
| Public  | U of California - San Francisco            | \$559,329                                    | 12             | 6              | \$559,329                                    | 13             | 7              | -1                                                     | -1                                                     |                            |            | 0%                                           |
| Public  | U of California - Santa Barbara            | \$134,984                                    | 82             | 51             | \$136,352                                    | 85             | 54             | -3                                                     | -3                                                     | \$1,368                    | 1.0%       | 1%                                           |
| Public  | U of California - Santa Cruz               | \$91,409                                     | 113            | 76             | \$94,222                                     | 113            | 76             | 0                                                      | 0                                                      | \$2,813                    | 3.1%       | 3%                                           |
| Public  | U of Central Florida                       | \$72,620                                     | 132            | 90             | \$78,411                                     | 131            | 91             | 1                                                      | -1                                                     | \$5,791                    | 8.0%       | 7%                                           |
| Private | U of Chicago                               | \$329,119                                    | 31             | 15             | \$336,125                                    | 32             | 15             | -1                                                     | 0                                                      | \$7,006                    | 2.1%       | 2%                                           |
| Public  | U of Cincinnati - Cincinnati               | \$266,507                                    | 48             | 25             | \$267,691                                    | 52             | 29             | -4                                                     | -4                                                     | \$1,184                    | 0.4%       | 0%                                           |
| Public  | U of Colorado - Boulder                    | \$319,019                                    | 35             | 19             | \$330,089                                    | 34             | 19             | 1                                                      | 0                                                      | \$11,070                   | 3.5%       | 3%                                           |
| Public  | U of Colorado - Denver                     | \$308,023                                    | 37             | 20             | \$315,685                                    | 37             | 20             | 0                                                      | 0                                                      | \$7,662                    | 2.5%       | 2%                                           |
| Public  | U of Connecticut - Health Center           | \$61,568                                     | 140            | 95             | \$61,568                                     | 143            | 98             | -3                                                     | -3                                                     |                            |            | 0%                                           |
| Public  | U of Connecticut - Storrs                  | \$88,834                                     | 116            | 79             | \$91,696                                     | 115            | 78             | 1                                                      | 1                                                      | \$2,862                    | 3.2%       | 3%                                           |
| Private | U of Dayton                                | \$64,369                                     | 138            | 44             | \$65,169                                     | 139            | 44             | -1                                                     | 0                                                      | \$800                      | 1.2%       | 1%                                           |
| Public  | U of Delaware                              | \$110,760                                    | 97             | 61             | \$117,072                                    | 96             | 62             | 1                                                      | -1                                                     | \$6,312                    | 5.7%       | 5%                                           |
| Public  | U of Florida                               | \$295,745                                    | 42             | 22             | \$305,067                                    | 41             | 22             | 1                                                      | 0                                                      | \$9,322                    | 3.2%       | 3%                                           |
| Public  | U of Georgia                               | \$133,525                                    | 83             | 52             | \$137,710                                    | 83             | 52             | 0                                                      | 0                                                      | \$4,185                    | 3.1%       | 3%                                           |
| Public  | U of Hawaii - Manoa                        | \$193,722                                    | 66             | 40             | \$193,722                                    | 67             | 41             | -1                                                     | -1                                                     | \$0                        | 0.0%       | 0%                                           |
| Public  | U of Houston - University Park             | \$54,657                                     | 151            | 105            | \$55,812                                     | 150            | 104            | 1                                                      | 1                                                      | \$1,155                    | 2.1%       | 2%                                           |
| Public  | U of Idaho                                 | \$53,765                                     | 154            | 108            | \$55,115                                     | 153            | 107            | 1                                                      | 1                                                      | \$1,350                    | 2.5%       | 2%                                           |
| Public  | U of Illinois - Chicago                    | \$243,622                                    | 54             | 31             | \$246,128                                    | 54             | 31             | 0                                                      | 0                                                      | \$2,506                    | 1.0%       | 1%                                           |
| Public  | U of Illinois - Urbana-Champaign           | \$348,536                                    | 28             | 14             | \$359,989                                    | 26             | 13             | 2                                                      | 1                                                      | \$11,453                   | 3.3%       | 3%                                           |
| Public  | U of Iowa                                  | \$265,780                                    | 49             | 26             | \$269,734                                    | 48             | 26             | 1                                                      | 0                                                      | \$3,954                    | 1.5%       | 1%                                           |
| Public  | U of Kansas - Lawrence                     | \$99,034                                     | 109            | 72             | \$123,025                                    | 92             | 59             | 17                                                     | 13                                                     | \$23,991                   | 24.2%      | 20%                                          |
| Public  | U of Kansas Medical Center                 | \$48,018                                     | 158            | 112            | \$48,018                                     | 158            | 112            | 0                                                      | 0                                                      |                            |            | 0%                                           |
| Public  | U of Kentucky                              | \$157,813                                    | 77             | 47             | \$159,678                                    | 77             | 47             | 0                                                      | 0                                                      | \$1,865                    | 1.2%       | 1%                                           |
| Public  | U of Louisville                            | \$79,252                                     | 124            | 84             | \$89,976                                     | 118            | 81             | 6                                                      | 3                                                      | \$10,724                   | 13.5%      | 12%                                          |
| Public  | U of Maryland - Baltimore                  | \$229,858                                    | 56             | 33             | \$231,886                                    | 58             | 35             | -2                                                     | -2                                                     | \$2,028                    | 0.9%       | 1%                                           |
| Public  | U of Maryland - Baltimore County           | \$44,669                                     | 161            | 115            | \$45,014                                     | 161            | 115            | 0                                                      | 0                                                      | \$345                      | 0.8%       | 1%                                           |
| Public  | U of Maryland - College Park               | \$340,180                                    | 29             | 15             | \$340,180                                    | 30             | 16             | -1                                                     | -1                                                     | \$0                        | 0.0%       | 0%                                           |
| Public  | U of Massachusetts - Amherst               | \$106,470                                    | 104            | 68             | \$115,280                                    | 97             | 63             | 7                                                      | 5                                                      | \$8,810                    | 8.3%       | 8%                                           |
| Public  | U of Massachusetts Medical Sch - Worcester | \$202,149                                    | 63             | 38             | \$202,149                                    | 63             | 38             | 0                                                      | 0                                                      |                            |            | 0%                                           |
| Public  | U of Medicine & Dentistry of New Jersey    | \$110,595                                    | 98             | 62             | \$110,595                                    | 103            | 67             | -5                                                     | -5                                                     |                            |            | 0%                                           |
| Private | U of Miami                                 | \$222,535                                    | 58             | 24             | \$224,172                                    | 59             | 24             | -1                                                     | 0                                                      | \$1,637                    | 0.7%       | 1%                                           |
| Public  | U of Michigan - Ann Arbor                  | \$773,766                                    | 3              | 2              | \$791,729                                    | 3              | 2              | 0                                                      | 0                                                      | \$17,963                   | 2.3%       | 2%                                           |
| Public  | U of Minnesota - Twin Cities               | \$480,531                                    | 17             | 10             | \$485,462                                    | 17             | 9              | 0                                                      | 1                                                      | \$4,931                    | 1.0%       | 1%                                           |
| Public  | U of Missouri - Columbia                   | \$110,446                                    | 99             | 63             | \$114,345                                    | 99             | 64             | 0                                                      | -1                                                     | \$3,899                    | 3.5%       | 3%                                           |
| Public  | U of Nebraska - Lincoln                    | \$103,294                                    | 106            | 70             | \$104,579                                    | 108            | 72             | -2                                                     | -2                                                     | \$1,285                    | 1.2%       | 1%                                           |
| Public  | U of Nebraska Medical Center               | \$84,196                                     | 122            | 83             | \$84,196                                     | 125            | 86             | -3                                                     | -3                                                     |                            |            | 0%                                           |

**Appendix B, Cont. - Comparison of Federal Research Ranking with and without non-S&E Expenditures among Institutions with Over \$40M Federal Research in 2012**

| Control | Institution                                 | 2012 Total Research Excluding Non-S&E (000s) | 2012 Natl Rank | 2012 Ctrl Rank | 2012 Total Research Including Non-S&E (000s) | 2012 Natl Rank | 2012 Ctrl Rank | Changes in Natl Rank by Including Non-S&E <sup>1</sup> | Changes in Ctrl Rank by Including Non-S&E <sup>1</sup> | Net Dollar Increase (000s) | % Increase | Non-S&E Portion of all Research Expenditures |
|---------|---------------------------------------------|----------------------------------------------|----------------|----------------|----------------------------------------------|----------------|----------------|--------------------------------------------------------|--------------------------------------------------------|----------------------------|------------|----------------------------------------------|
| Public  | U of Nevada - Reno                          | \$55,150                                     | 148            | 102            | \$55,437                                     | 152            | 106            | -4                                                     | -4                                                     | \$287                      | 0.5%       | 1%                                           |
| Public  | U of New Hampshire - Durham                 | \$109,728                                    | 102            | 66             | \$119,451                                    | 94             | 60             | 8                                                      | 6                                                      | \$9,723                    | 8.9%       | 8%                                           |
| Public  | U of New Mexico - Albuquerque               | \$159,302                                    | 76             | 46             | \$160,895                                    | 76             | 46             | 0                                                      | 0                                                      | \$1,593                    | 1.0%       | 1%                                           |
| Public  | U of North Carolina - Chapel Hill           | \$597,629                                    | 9              | 5              | \$606,348                                    | 9              | 5              | 0                                                      | 0                                                      | \$8,719                    | 1.5%       | 1%                                           |
| Public  | U of North Dakota                           | \$54,411                                     | 152            | 106            | \$54,476                                     | 155            | 109            | -3                                                     | -3                                                     | \$65                       | 0.1%       | 0%                                           |
| Private | U of Notre Dame                             | \$82,244                                     | 123            | 40             | \$83,295                                     | 127            | 40             | -4                                                     | 0                                                      | \$1,051                    | 1.3%       | 1%                                           |
| Public  | U of Oklahoma - Norman                      | \$64,427                                     | 137            | 94             | \$74,137                                     | 135            | 93             | 2                                                      | 1                                                      | \$9,710                    | 15.1%      | 13%                                          |
| Public  | U of Oklahoma Health Sciences Center        | \$59,704                                     | 142            | 97             | \$59,704                                     | 144            | 99             | -2                                                     | -2                                                     |                            |            | 0%                                           |
| Public  | U of Oregon                                 | \$71,157                                     | 134            | 92             | \$86,316                                     | 122            | 84             | 12                                                     | 8                                                      | \$15,159                   | 21.3%      | 18%                                          |
| Private | U of Pennsylvania                           | \$656,425                                    | 4              | 2              | \$669,970                                    | 4              | 2              | 0                                                      | 0                                                      | \$13,545                   | 2.1%       | 2%                                           |
| Public  | U of Pittsburgh - Pittsburgh                | \$620,070                                    | 7              | 4              | \$637,857                                    | 7              | 4              | 0                                                      | 0                                                      | \$17,787                   | 2.9%       | 3%                                           |
| Public  | U of Rhode Island                           | \$78,194                                     | 126            | 86             | \$83,754                                     | 126            | 87             | 0                                                      | -1                                                     | \$5,560                    | 7.1%       | 7%                                           |
| Private | U of Rochester                              | \$307,390                                    | 38             | 18             | \$308,115                                    | 39             | 19             | -1                                                     | -1                                                     | \$725                      | 0.2%       | 0%                                           |
| Public  | U of South Carolina - Columbia              | \$93,237                                     | 112            | 75             | \$98,836                                     | 111            | 74             | 1                                                      | 1                                                      | \$5,599                    | 6.0%       | 6%                                           |
| Public  | U of South Florida - Tampa                  | \$218,772                                    | 59             | 35             | \$236,148                                    | 57             | 34             | 2                                                      | 1                                                      | \$17,376                   | 7.9%       | 7%                                           |
| Private | U of Southern California                    | \$433,136                                    | 20             | 9              | \$443,842                                    | 22             | 10             | -2                                                     | -1                                                     | \$10,706                   | 2.5%       | 2%                                           |
| Public  | U of Tennessee - Knoxville                  | \$103,147                                    | 107            | 71             | \$112,471                                    | 101            | 66             | 6                                                      | 5                                                      | \$9,324                    | 9.0%       | 8%                                           |
| Public  | U of Tennessee Health Science Center        | \$48,473                                     | 156            | 110            | \$48,473                                     | 157            | 111            | -1                                                     | -1                                                     |                            |            | 0%                                           |
| Public  | U of Texas - Austin                         | \$328,560                                    | 32             | 17             | \$354,873                                    | 29             | 15             | 3                                                      | 2                                                      | \$26,313                   | 8.0%       | 7%                                           |
| Public  | U of Texas Health Science Center - Houston  | \$146,424                                    | 80             | 49             | \$146,424                                    | 80             | 49             | 0                                                      | 0                                                      |                            |            | 0%                                           |
| Public  | U of Texas Health Science Ctr - San Antonio | \$106,177                                    | 105            | 69             | \$106,177                                    | 107            | 71             | -2                                                     | -2                                                     |                            |            | 0%                                           |
| Public  | U of Texas MD Anderson Cancer Center        | \$196,753                                    | 65             | 39             | \$196,753                                    | 65             | 39             | 0                                                      | 0                                                      |                            |            | 0%                                           |
| Public  | U of Texas Medical Branch - Galveston       | \$109,867                                    | 101            | 65             | \$109,867                                    | 105            | 69             | -4                                                     | -4                                                     |                            |            | 0%                                           |
| Public  | U of Texas SW Medical Center - Dallas       | \$207,513                                    | 61             | 36             | \$207,513                                    | 61             | 36             | 0                                                      | 0                                                      |                            |            | 0%                                           |
| Public  | U of Utah                                   | \$271,629                                    | 46             | 24             | \$273,150                                    | 45             | 24             | 1                                                      | 0                                                      | \$1,521                    | 0.6%       | 1%                                           |
| Public  | U of Vermont                                | \$87,843                                     | 117            | 80             | \$87,843                                     | 120            | 82             | -3                                                     | -2                                                     | \$0                        | 0.0%       | 0%                                           |
| Public  | U of Virginia                               | \$225,558                                    | 57             | 34             | \$240,254                                    | 56             | 33             | 1                                                      | 1                                                      | \$14,696                   | 6.5%       | 6%                                           |
| Public  | U of Washington - Seattle                   | \$876,941                                    | 2              | 1              | \$909,652                                    | 2              | 1              | 0                                                      | 0                                                      | \$32,711                   | 3.7%       | 4%                                           |
| Public  | U of Wisconsin - Madison                    | \$557,688                                    | 13             | 7              | \$580,661                                    | 12             | 6              | 1                                                      | 1                                                      | \$22,973                   | 4.1%       | 4%                                           |
| Public  | U of Wyoming                                | \$55,663                                     | 147            | 101            | \$57,441                                     | 147            | 101            | 0                                                      | 0                                                      | \$1,778                    | 3.2%       | 3%                                           |
| Public  | Utah State U                                | \$107,054                                    | 103            | 67             | \$108,501                                    | 106            | 70             | -3                                                     | -3                                                     | \$1,447                    | 1.4%       | 1%                                           |
| Private | Vanderbilt U                                | \$430,445                                    | 22             | 11             | \$448,948                                    | 20             | 9              | 2                                                      | 2                                                      | \$18,503                   | 4.3%       | 4%                                           |
| Public  | Virginia Commonwealth U                     | \$124,836                                    | 88             | 55             | \$142,053                                    | 81             | 50             | 7                                                      | 5                                                      | \$17,217                   | 13.8%      | 12%                                          |
| Public  | Virginia Polytechnic Institute and State U  | \$181,371                                    | 69             | 43             | \$184,175                                    | 69             | 43             | 0                                                      | 0                                                      | \$2,804                    | 1.5%       | 2%                                           |
| Private | Wake Forest U                               | \$172,779                                    | 70             | 27             | \$172,779                                    | 71             | 27             | -1                                                     | 0                                                      | \$0                        | 0.0%       | 0%                                           |
| Public  | Washington State U - Pullman                | \$120,146                                    | 91             | 58             | \$129,255                                    | 87             | 55             | 4                                                      | 3                                                      | \$9,109                    | 7.6%       | 7%                                           |
| Private | Washington U in St. Louis                   | \$432,434                                    | 21             | 10             | \$441,406                                    | 23             | 11             | -2                                                     | -1                                                     | \$8,972                    | 2.1%       | 2%                                           |
| Public  | Wayne State U                               | \$125,965                                    | 86             | 54             | \$126,915                                    | 89             | 57             | -3                                                     | -3                                                     | \$950                      | 0.8%       | 1%                                           |
| Private | Weill Cornell Medical College               | \$172,428                                    | 71             | 28             | \$172,428                                    | 72             | 28             | -1                                                     | 0                                                      |                            |            | 0%                                           |
| Public  | West Virginia U                             | \$77,981                                     | 127            | 87             | \$82,149                                     | 128            | 88             | -1                                                     | -1                                                     | \$4,168                    | 5.3%       | 5%                                           |
| Private | Woods Hole Oceanographic Institution        | \$161,115                                    | 74             | 29             | \$161,115                                    | 75             | 30             | -1                                                     | -1                                                     |                            |            | 0%                                           |
| Private | Yale U                                      | \$517,072                                    | 15             | 7              | \$518,184                                    | 15             | 7              | 0                                                      | 0                                                      | \$1,112                    | 0.2%       | 0%                                           |
| Private | Yeshiva U                                   | \$201,397                                    | 64             | 26             | \$201,397                                    | 64             | 26             | 0                                                      | 0                                                      | \$0                        | 0.0%       | 0%                                           |

**Notes:**

Since its inaugural report, the staff of the Measuring University Performance Center (MUP) have explored a wide range of topics related to university competition based on the data compiled for the annual Top American Research Universities report and the extensive data sets published on the MUP website [MUP.asu.edu]. Among the publications by the MUP Center staff relevant to the issues reviewed in this essay see the following, all available at [<http://mup.asu.edu/publications.html>]:

- The Best American Research Universities Rankings: Four Perspectives, 2013
- Measuring Research Performance: National and International Perspectives, 2012
- Moving Up: The Marketplace for Federal Research in America, 2011
- In Pursuit of Number One, 2010
- Research University Competition and Financial Challenges, 2009
- Competition and Restructuring the American Research University, 2008
- Rankings, Competition, and the Evolving American University, 2007
- Deconstructing University Rankings: Medicine and Engineering, and Single Campus Research Competitiveness, 2005
- Measuring and Improving Research Universities: TheCenter at Five Years, 2004
- University Organization, Governance, and Competitiveness, 2002
- Quality Engines: The Competitive Context for Research Universities, 2001
- The Myth of Number One: Indicators of Research University Performance, 2000

Particularly useful for understanding the structure of university funding and its relationship to tuition, research funding, and institutional budget requirements is the following item from members of the MUP staff: Elizabeth D. Capaldi and Craig W. Abbey. "Performance and Costs in Higher Education: A Proposal for Better Data," *Change* (March 2011).

The data for the tables, charts, and observations in this essay come from the following sources:

- NSF WebCASPAR database [<https://ncesdata.nsf.gov/webcaspar>]
- NSF Higher Education Research and Development Survey (FY 2013) [<http://ncesdata.nsf.gov/datatables/herd/2013>]
- NSF InfoBrief 15-314, February 4, 2015 [<http://www.nsf.gov/statistics/2015/nsf15314>]

## Part I – The Top American Research Universities

*The Center for Measuring University Performance* determines the Top American Research Universities by their rank on nine different measures: Total Research, Federal Research, Endowment Assets, Annual Giving, National Academy Members, Faculty Awards, Doctorates Granted, Postdoctoral Appointees, and SAT scores. (The Source Notes section of this study provides detailed information on each of the nine indicators.) The tables group research institutions according to how many times they rank in the top 25 on each of these nine measures. The top category includes those universities that rank in the top 25 on all nine indicators. The bottom category includes universities with only one of the nine measures ranked in the top 25. Within these groups, institutions are then sorted by how many times they rank between 26 and 50 on the nine performance variables, with ties listed alphabetically. A similar methodology produces a second set of institutions—those ranked 26 through 50 on the same nine measures.

For the purpose of this study, *The Center for Measuring University Performance* includes only those institutions that had at least \$40 million in federal research expenditures in fiscal year 2012. This is the same dollar cutoff used since the 2008 report. There were 165 institutions who met our criteria, 117 public and 48 private.

The first two tables list each institution with the most current data available for each measure and its corresponding national rank (i.e., rank among all institutions regardless of whether they are privately or publicly controlled). The third through sixth tables provide the same nine data measures but with the groupings determined by the control rank (i.e., rank among all private or all public institutions). Institutions ranking in the top 25 on at least one measure are included in the tables with the (1-25) identifier, while those ranking 26 through 50 are found in the tables labeled with the (26-50) header. Many research universities rank highly both nationally and among their public or private peers, and therefore appear in more than one table.

- **The Top American Research Universities (1-25)** identifies the 48 institutions (24 private, 24 public) that rank in the top 25 nationally on at least one of the nine measures.

- **The Top American Research Universities (26-50)** identifies the 28 institutions (8 private, 20 public) that rank 26 through 50 nationally on at least one of the nine measures.
- **The Top Private Research Universities (1-25)** identifies the 32 private institutions that rank in the top 25 among all private universities on at least one of the nine measures.
- **The Top Private Research Universities (26-50)** identifies the 6 private institutions that rank 26 through 50 among their private counterparts on at least one of the nine measures.
- **The Top Public Research Universities (1-25)** identifies the 40 public institutions that rank in the top 25 among all public universities on at least one of the nine measures.
- **The Top Public Research Universities (26-50)** identifies the 32 public institutions that rank 26 through 50 among their public counterparts on at least one of the nine measures.
- **The Top Medical and Specialized Research Universities** tables identify the institutions that have at least one measure that ranks in the top 50 nationally or among their private and public counterparts.

Data found in these tables may not always match the figures published by the original source. *The Center for Measuring University Performance* makes adjustments, when necessary, to ensure that the data reflect the activity at a single campus rather than that of a multiple-campus institution or state university system. When data are missing from the original source, *The Center for Measuring University Performance* may substitute another figure, if available. A full discussion of this subject, and the various adjustments or substitutions made to the original data, is in the Data Notes section of this report.

*The Center for Measuring University Performance* presents these tables, along with prior years' top universities, in Microsoft Excel spreadsheets on its website [<http://mup.asu.edu>].

# The Top American Research Universities

| Top American Research Universities (1-25)                                        |                                          |                                         |                                            | Research                     |                    |                                |                    | Private                        |                    |
|----------------------------------------------------------------------------------|------------------------------------------|-----------------------------------------|--------------------------------------------|------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|
| Institutions in Order of Top 25 Score, then Top 26-50 Score, then Alphabetically |                                          | Number of Measures in Top 25 Nationally | Number of Measures in Top 26-50 Nationally | 2012 Total Research x \$1000 | 2012 National Rank | 2012 Federal Research x \$1000 | 2012 National Rank | 2013 Endowment Assets x \$1000 | 2013 National Rank |
| Private                                                                          | Columbia University                      | 9                                       | 0                                          | 847,809                      | 11                 | 631,961                        | 6                  | 8,197,880                      | 8                  |
| Private                                                                          | Harvard University                       | 9                                       | 0                                          | 753,973                      | 16                 | 574,346                        | 11                 | 32,334,293                     | 1                  |
| Private                                                                          | Massachusetts Institute of Technology    | 9                                       | 0                                          | 770,367                      | 15                 | 478,955                        | 18                 | 11,005,932                     | 5                  |
| Private                                                                          | Stanford University                      | 9                                       | 0                                          | 854,580                      | 10                 | 607,578                        | 8                  | 18,688,868                     | 3                  |
| Private                                                                          | University of Pennsylvania               | 9                                       | 0                                          | 813,210                      | 13                 | 656,425                        | 4                  | 7,741,396                      | 11                 |
| Private                                                                          | Duke University                          | 8                                       | 1                                          | 1,004,759                    | 7                  | 585,636                        | 10                 | 6,040,973                      | 14                 |
| Private                                                                          | Johns Hopkins University                 | 8                                       | 1                                          | 2,092,999                    | 1                  | 1,845,845                      | 1                  | 2,987,298                      | 25                 |
| Private                                                                          | Yale University                          | 8                                       | 1                                          | 654,824                      | 25                 | 517,072                        | 15                 | 20,780,000                     | 2                  |
| Public                                                                           | University of Michigan - Ann Arbor       | 8                                       | 0                                          | 1,247,680                    | 2                  | 773,766                        | 3                  | 8,382,311                      | 7                  |
| Public                                                                           | University of California - Berkeley      | 7                                       | 2                                          | 696,904                      | 20                 | 333,179                        | 30                 | 3,330,553                      | 23                 |
| Public                                                                           | University of California - Los Angeles   | 7                                       | 1                                          | 969,682                      | 8                  | 527,899                        | 14                 | 2,626,965                      | 30                 |
| Public                                                                           | University of Washington - Seattle       | 7                                       | 1                                          | 1,065,414                    | 3                  | 876,941                        | 2                  | 2,346,693                      | 32                 |
| Public                                                                           | University of Wisconsin - Madison        | 7                                       | 1                                          | 1,030,605                    | 6                  | 557,688                        | 13                 | 2,334,560                      | 33                 |
| Private                                                                          | Northwestern University                  | 6                                       | 3                                          | 602,451                      | 28                 | 385,377                        | 24                 | 7,883,323                      | 10                 |
| Public                                                                           | Ohio State University - Columbus         | 6                                       | 2                                          | 720,082                      | 17                 | 416,304                        | 23                 | 3,149,169                      | 24                 |
| Public                                                                           | Univ. of North Carolina - Chapel Hill    | 6                                       | 2                                          | 864,748                      | 9                  | 597,629                        | 9                  | 2,381,151                      | 31                 |
| Private                                                                          | Washington University in St. Louis       | 6                                       | 2                                          | 689,035                      | 21                 | 432,434                        | 21                 | 5,651,860                      | 16                 |
| Private                                                                          | University of Chicago                    | 5                                       | 4                                          | 411,864                      | 49                 | 329,119                        | 31                 | 6,668,974                      | 13                 |
| Private                                                                          | University of Southern California        | 5                                       | 4                                          | 593,003                      | 29                 | 433,136                        | 20                 | 3,868,355                      | 20                 |
| Public                                                                           | University of California - San Diego     | 5                                       | 2                                          | 1,065,306                    | 4                  | 653,549                        | 5                  | 642,605                        | 122                |
| Private                                                                          | New York University                      | 4                                       | 4                                          | 425,043                      | 45                 | 300,271                        | 40                 | 2,949,000                      | 27                 |
| Public                                                                           | University of Minnesota - Twin Cities    | 4                                       | 4                                          | 806,832                      | 14                 | 480,531                        | 17                 | 2,757,476                      | 28                 |
| Public                                                                           | University of Pittsburgh - Pittsburgh    | 4                                       | 4                                          | 839,793                      | 12                 | 620,070                        | 7                  | 2,975,896                      | 26                 |
| Public                                                                           | University of Texas - Austin             | 4                                       | 4                                          | 549,312                      | 31                 | 328,560                        | 32                 | 9,145,142                      | 6                  |
| Private                                                                          | Vanderbilt University                    | 4                                       | 4                                          | 533,878                      | 32                 | 430,445                        | 22                 | 3,673,434                      | 22                 |
| Public                                                                           | Pennsylvania State Univ. - Univ. Park    | 4                                       | 3                                          | 699,556                      | 19                 | 469,597                        | 19                 | 1,411,236                      | 53                 |
| Private                                                                          | Princeton University                     | 4                                       | 2                                          | 264,980                      | 77                 | 160,985                        | 75                 | 18,200,433                     | 4                  |
| Public                                                                           | Texas A&M University - College Station   | 4                                       | 2                                          | 669,968                      | 24                 | 259,506                        | 50                 | 8,072,055                      | 9                  |
| Private                                                                          | Cornell University                       | 3                                       | 6                                          | 507,012                      | 34                 | 298,596                        | 41                 | 4,133,842                      | 19                 |
| Private                                                                          | Emory University                         | 3                                       | 5                                          | 474,537                      | 37                 | 360,934                        | 25                 | 5,816,046                      | 15                 |
| Public                                                                           | Univ. of Illinois - Urbana-Champaign     | 3                                       | 4                                          | 558,022                      | 30                 | 348,536                        | 28                 | 1,310,300                      | 59                 |
| Public                                                                           | University of California - Davis         | 3                                       | 3                                          | 704,999                      | 18                 | 356,540                        | 27                 | 790,060                        | 90                 |
| Private                                                                          | California Institute of Technology       | 3                                       | 2                                          | 374,075                      | 57                 | 322,295                        | 34                 | 1,849,880                      | 38                 |
| Private                                                                          | University of Notre Dame                 | 3                                       | 1                                          | 143,328                      | 120                | 82,244                         | 123                | 6,856,301                      | 12                 |
| Public                                                                           | University of Florida                    | 2                                       | 5                                          | 649,988                      | 26                 | 295,745                        | 42                 | 1,359,643                      | 57                 |
| Public                                                                           | Georgia Institute of Technology          | 2                                       | 4                                          | 683,894                      | 23                 | 482,349                        | 16                 | 1,714,876                      | 45                 |
| Public                                                                           | University of Virginia                   | 2                                       | 4                                          | 363,569                      | 59                 | 225,558                        | 57                 | 5,166,660                      | 17                 |
| Private                                                                          | Dartmouth College                        | 2                                       | 1                                          | 195,251                      | 97                 | 147,218                        | 79                 | 3,733,596                      | 21                 |
| Private                                                                          | Rice University                          | 2                                       | 1                                          | 115,235                      | 133                | 76,431                         | 128                | 4,836,728                      | 18                 |
| Public                                                                           | Purdue University - West Lafayette       | 1                                       | 4                                          | 528,140                      | 33                 | 255,691                        | 51                 | 2,182,171                      | 34                 |
| Public                                                                           | Rutgers University - New Brunswick       | 1                                       | 4                                          | 420,737                      | 47                 | 273,498                        | 43                 | 783,492                        | 93                 |
| Public                                                                           | University of Maryland - College Park    | 1                                       | 4                                          | 498,417                      | 35                 | 340,180                        | 29                 | 433,821                        | 167                |
| Private                                                                          | Boston University                        | 1                                       | 3                                          | 330,247                      | 66                 | 273,204                        | 44                 | 1,369,581                      | 56                 |
| Private                                                                          | Brown University                         | 1                                       | 3                                          | 234,906                      | 86                 | 127,665                        | 85                 | 2,669,948                      | 29                 |
| Public                                                                           | University of Colorado - Boulder         | 1                                       | 3                                          | 373,512                      | 58                 | 319,019                        | 35                 | 495,815                        | 152                |
| Public                                                                           | University of Iowa                       | 1                                       | 3                                          | 432,980                      | 42                 | 265,780                        | 49                 | 1,094,803                      | 68                 |
| Public                                                                           | University of California - Santa Barbara | 1                                       | 1                                          | 222,916                      | 87                 | 134,984                        | 82                 | 226,034                        | 262                |
| Private                                                                          | Tufts University                         | 1                                       | 0                                          | 159,140                      | 112                | 120,042                        | 92                 | 1,440,527                      | 52                 |

| Support                              |                          | Faculty                                |                          |                           |                          | Advanced Training             |                          |                      |                          | Undergraduate         |                          |
|--------------------------------------|--------------------------|----------------------------------------|--------------------------|---------------------------|--------------------------|-------------------------------|--------------------------|----------------------|--------------------------|-----------------------|--------------------------|
| 2013<br>Annual<br>Giving<br>x \$1000 | 2013<br>National<br>Rank | 2013<br>National<br>Academy<br>Members | 2013<br>National<br>Rank | 2013<br>Faculty<br>Awards | 2013<br>National<br>Rank | 2013<br>Doctorates<br>Granted | 2013<br>National<br>Rank | 2012<br>Post<br>Docs | 2012<br>National<br>Rank | 2012<br>Median<br>SAT | 2012<br>National<br>Rank |
| 646,663                              | 4                        | 125                                    | 6                        | 32                        | 9                        | 627                           | 18                       | 1,283                | 6                        | 1485                  | 9                        |
| 792,256                              | 2                        | 356                                    | 1                        | 87                        | 1                        | 686                           | 14                       | 6,019                | 1                        | 1500                  | 2                        |
| 403,539                              | 11                       | 270                                    | 3                        | 29                        | 12                       | 587                           | 19                       | 1,398                | 5                        | 1490                  | 7                        |
| 931,569                              | 1                        | 310                                    | 2                        | 48                        | 3                        | 764                           | 9                        | 1,887                | 2                        | 1475                  | 11                       |
| 506,607                              | 6                        | 114                                    | 9                        | 29                        | 12                       | 527                           | 25                       | 956                  | 13                       | 1445                  | 15                       |
| 423,658                              | 9                        | 63                                     | 18                       | 20                        | 25                       | 495                           | 28                       | 747                  | 19                       | 1440                  | 18                       |
| 518,571                              | 5                        | 91                                     | 15                       | 24                        | 19                       | 530                           | 23                       | 1,775                | 3                        | 1405                  | 32                       |
| 444,171                              | 8                        | 111                                    | 10                       | 37                        | 6                        | 398                           | 49                       | 1,256                | 7                        | 1495                  | 4                        |
| 351,552                              | 14                       | 100                                    | 13                       | 50                        | 2                        | 885                           | 2                        | 1,080                | 10                       | 1340                  | 63                       |
| 340,919                              | 15                       | 227                                    | 4                        | 32                        | 9                        | 937                           | 1                        | 1,533                | 4                        | 1370                  | 45                       |
| 419,647                              | 10                       | 95                                     | 14                       | 33                        | 8                        | 784                           | 6                        | 1,009                | 12                       | 1300                  | 77                       |
| 322,231                              | 17                       | 110                                    | 12                       | 39                        | 5                        | 763                           | 10                       | 1,190                | 9                        | 1215                  | 167                      |
| 360,689                              | 13                       | 70                                     | 16                       | 26                        | 17                       | 772                           | 7                        | 798                  | 16                       | 1260                  | 111                      |
| 295,601                              | 18                       | 43                                     | 28                       | 22                        | 21                       | 481                           | 35                       | 742                  | 20                       | 1440                  | 18                       |
| 290,595                              | 20                       | 32                                     | 34                       | 29                        | 12                       | 807                           | 5                        | 616                  | 28                       | 1260                  | 111                      |
| 272,767                              | 22                       | 34                                     | 33                       | 21                        | 22                       | 530                           | 23                       | 850                  | 14                       | 1300                  | 77                       |
| 233,019                              | 26                       | 48                                     | 25                       | 20                        | 25                       | 255                           | 75                       | 374                  | 46                       | 1490                  | 7                        |
| 289,447                              | 21                       | 63                                     | 18                       | 24                        | 19                       | 413                           | 45                       | 565                  | 33                       | 1485                  | 9                        |
| 674,512                              | 3                        | 50                                     | 24                       | 19                        | 28                       | 663                           | 16                       | 506                  | 36                       | 1375                  | 43                       |
| 167,404                              | 38                       | 117                                    | 8                        | 35                        | 7                        | 489                           | 30                       | 1,219                | 8                        | 1235                  | 136                      |
| 449,344                              | 7                        | 52                                     | 23                       | 25                        | 18                       | 405                           | 47                       | 623                  | 25                       | 1350                  | 59                       |
| 219,905                              | 28                       | 39                                     | 29                       | 32                        | 9                        | 772                           | 7                        | 580                  | 30                       | 1240                  | 125                      |
| 127,859                              | 49                       | 32                                     | 34                       | 28                        | 16                       | 435                           | 41                       | 841                  | 15                       | 1275                  | 104                      |
| 290,987                              | 19                       | 69                                     | 17                       | 17                        | 33                       | 849                           | 3                        | 372                  | 47                       | 1255                  | 119                      |
| 145,433                              | 44                       | 31                                     | 36                       | 16                        | 36                       | 310                           | 63                       | 711                  | 21                       | 1460                  | 12                       |
| 174,105                              | 36                       | 26                                     | 43                       | 21                        | 22                       | 662                           | 17                       | 401                  | 41                       | 1195                  | 194                      |
| 242,551                              | 25                       | 120                                    | 7                        | 17                        | 33                       | 319                           | 61                       | 457                  | 39                       | 1500                  | 2                        |
| 254,628                              | 23                       | 22                                     | 51                       | 18                        | 31                       | 693                           | 13                       | 320                  | 55                       | 1195                  | 194                      |
| 326,497                              | 16                       | 61                                     | 20                       | 19                        | 28                       | 490                           | 29                       | 386                  | 44                       | 1415                  | 29                       |
| 204,171                              | 32                       | 27                                     | 41                       | 18                        | 31                       | 227                           | 87                       | 678                  | 22                       | 1375                  | 43                       |
| 169,548                              | 37                       | 57                                     | 21                       | 29                        | 12                       | 809                           | 4                        | 558                  | 34                       | 1280                  | 95                       |
| 104,743                              | 69                       | 44                                     | 27                       | 14                        | 44                       | 580                           | 20                       | 757                  | 18                       | 1210                  | 173                      |
| 103,446                              | 72                       | 111                                    | 10                       | 10                        | 67                       | 236                           | 81                       | 623                  | 25                       | 1525                  | 1                        |
| 247,928                              | 24                       | 4                                      | 105                      | 15                        | 39                       | 214                           | 92                       | 182                  | 92                       | 1440                  | 18                       |
| 210,951                              | 31                       | 24                                     | 49                       | 15                        | 39                       | 742                           | 11                       | 674                  | 23                       | 1265                  | 109                      |
| 102,717                              | 73                       | 26                                     | 43                       | 15                        | 39                       | 488                           | 31                       | 307                  | 60                       | 1355                  | 55                       |
| 224,541                              | 27                       | 26                                     | 43                       | 11                        | 58                       | 399                           | 48                       | 658                  | 24                       | 1360                  | 50                       |
| 160,165                              | 41                       | 14                                     | 64                       | 12                        | 51                       | 91                            | 172                      | 208                  | 83                       | 1455                  | 13                       |
| 122,673                              | 53                       | 25                                     | 47                       | 6                         | 102                      | 178                           | 104                      | 158                  | 99                       | 1445                  | 15                       |
| 121,592                              | 55                       | 25                                     | 47                       | 14                        | 44                       | 684                           | 15                       | 306                  | 61                       | 1180                  | 221                      |
| 90,313                               | 80                       | 37                                     | 31                       | 20                        | 25                       | 417                           | 44                       | 243                  | 71                       | 1195                  | 194                      |
| 79,118                               | 92                       | 31                                     | 36                       | 11                        | 58                       | 696                           | 12                       | 399                  | 42                       | 1300                  | 77                       |
| 116,562                              | 58                       | 20                                     | 56                       | 21                        | 22                       | 488                           | 31                       | 530                  | 35                       | 1275                  | 104                      |
| 176,416                              | 35                       | 18                                     | 58                       | 16                        | 36                       | 205                           | 96                       | 274                  | 67                       | 1425                  | 24                       |
| 63,377                               | 111                      | 30                                     | 38                       | 19                        | 28                       | 386                           | 51                       | 776                  | 17                       | 1170                  | 229                      |
| 122,102                              | 54                       | 22                                     | 51                       | 12                        | 51                       | 538                           | 22                       | 363                  | 49                       | 1150                  | 284                      |
| 60,999                               | 116                      | 57                                     | 21                       | 11                        | 58                       | 387                           | 50                       | 300                  | 63                       | 1215                  | 167                      |
| 52,260                               | 124                      | 11                                     | 68                       | 8                         | 75                       | 121                           | 146                      | 201                  | 85                       | 1435                  | 21                       |

| Top American Research Universities (26-50)                    |                                                       |                                            | Research                     |                    |                                |                    | Private                        |                    |
|---------------------------------------------------------------|-------------------------------------------------------|--------------------------------------------|------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|
| Institutions in Order of Top 26-50 Score, then Alphabetically |                                                       | Number of Measures in Top 26-50 Nationally | 2012 Total Research x \$1000 | 2012 National Rank | 2012 Federal Research x \$1000 | 2012 National Rank | 2013 Endowment Assets x \$1000 | 2013 National Rank |
| Public                                                        | Michigan State University                             | 6                                          | 471,620                      | 38                 | 250,416                        | 52                 | 1,958,350                      | 37                 |
| Public                                                        | University of Arizona                                 | 5                                          | 615,434                      | 27                 | 328,369                        | 33                 | 611,746                        | 130                |
| Public                                                        | University of Utah                                    | 5                                          | 425,558                      | 44                 | 271,629                        | 46                 | 745,553                        | 101                |
| Private                                                       | Case Western Reserve University                       | 4                                          | 430,246                      | 43                 | 358,722                        | 26                 | 1,678,563                      | 46                 |
| Public                                                        | North Carolina State University                       | 4                                          | 400,046                      | 52                 | 171,464                        | 72                 | 769,404                        | 97                 |
| Public                                                        | University of California - Irvine                     | 4                                          | 335,874                      | 64                 | 204,062                        | 62                 | 330,104                        | 208                |
| Public                                                        | Indiana University - Bloomington                      | 3                                          | 151,240                      | 117                | 72,501                         | 133                | 835,123                        | 88                 |
| Public                                                        | University of Cincinnati - Cincinnati                 | 3                                          | 408,294                      | 50                 | 266,507                        | 48                 | 1,045,606                      | 73                 |
| Private                                                       | University of Rochester                               | 3                                          | 388,401                      | 55                 | 307,390                        | 38                 | 1,730,829                      | 43                 |
| Private                                                       | Carnegie Mellon University                            | 2                                          | 254,992                      | 79                 | 209,307                        | 60                 | 1,371,365                      | 55                 |
| Private                                                       | Georgetown University                                 | 2                                          | 171,829                      | 105                | 113,229                        | 94                 | 1,286,323                      | 60                 |
| Public                                                        | University of Alabama - Birmingham                    | 2                                          | 449,108                      | 39                 | 303,677                        | 39                 | 374,260                        | 188                |
| Public                                                        | University of Colorado - Denver                       | 2                                          | 422,844                      | 46                 | 308,023                        | 37                 | 389,569                        | 179                |
| Public                                                        | Virginia Polytechnic Institute and State University   | 2                                          | 448,054                      | 40                 | 181,371                        | 69                 | 660,340                        | 119                |
| Public                                                        | Arizona State University - Tempe                      | 1                                          | 344,611                      | 62                 | 182,188                        | 68                 | 552,789                        | 140                |
| Public                                                        | Indiana University - Purdue University - Indianapolis | 1                                          | 308,101                      | 69                 | 165,374                        | 73                 | 709,877                        | 108                |
| Private                                                       | Northeastern University                               | 1                                          | 102,911                      | 140                | 75,733                         | 129                | 616,618                        | 129                |
| Private                                                       | Rensselaer Polytechnic Institute                      | 1                                          | 92,348                       | 147                | 62,063                         | 139                | 616,836                        | 128                |
| Private                                                       | Tulane University                                     | 1                                          | 154,196                      | 114                | 101,130                        | 108                | 1,047,813                      | 72                 |
| Public                                                        | University at Buffalo                                 | 1                                          | 340,930                      | 63                 | 186,747                        | 67                 | 554,392                        | 139                |
| Public                                                        | University of Georgia                                 | 1                                          | 311,498                      | 68                 | 133,525                        | 83                 | 786,171                        | 92                 |
| Public                                                        | University of Kansas - Lawrence                       | 1                                          | 172,615                      | 104                | 99,034                         | 109                | 1,005,416                      | 77                 |
| Private                                                       | University of Miami                                   | 1                                          | 361,772                      | 60                 | 222,535                        | 58                 | 777,947                        | 94                 |
| Public                                                        | University of Missouri - Columbia                     | 1                                          | 234,975                      | 85                 | 110,446                        | 99                 | 692,853                        | 111                |
| Public                                                        | University of Oklahoma - Norman                       | 1                                          | 115,529                      | 132                | 64,427                         | 137                | 927,019                        | 82                 |
| Public                                                        | University of Oregon                                  | 1                                          | 87,656                       | 150                | 71,157                         | 134                | 552,285                        | 141                |
| Public                                                        | University of Tennessee - Knoxville                   | 1                                          | 165,708                      | 108                | 103,147                        | 107                | 726,483                        | 103                |
| Public                                                        | Virginia Commonwealth University                      | 1                                          | 179,310                      | 102                | 124,836                        | 88                 | 562,215                        | 138                |

| Support                              |                          | Faculty                                |                          |                           |                          | Advanced Training             |                          |                      |                          | Undergraduate         |                          |
|--------------------------------------|--------------------------|----------------------------------------|--------------------------|---------------------------|--------------------------|-------------------------------|--------------------------|----------------------|--------------------------|-----------------------|--------------------------|
| 2013<br>Annual<br>Giving<br>x \$1000 | 2013<br>National<br>Rank | 2013<br>National<br>Academy<br>Members | 2013<br>National<br>Rank | 2013<br>Faculty<br>Awards | 2013<br>National<br>Rank | 2013<br>Doctorates<br>Granted | 2013<br>National<br>Rank | 2012<br>Post<br>Docs | 2012<br>National<br>Rank | 2012<br>Median<br>SAT | 2012<br>National<br>Rank |
| 130,964                              | 48                       | 10                                     | 69                       | 16                        | 36                       | 499                           | 27                       | 429                  | 40                       | 1170                  | 229                      |
| 151,363                              | 42                       | 28                                     | 40                       | 12                        | 51                       | 441                           | 39                       | 308                  | 59                       | 1095                  | 440                      |
| 213,984                              | 29                       | 17                                     | 60                       | 13                        | 47                       | 324                           | 59                       | 389                  | 43                       | 1110                  | 381                      |
| 94,238                               | 79                       | 19                                     | 57                       | 11                        | 58                       | 168                           | 109                      | 219                  | 78                       | 1370                  | 45                       |
| 131,378                              | 46                       | 18                                     | 58                       | 14                        | 44                       | 488                           | 31                       | 371                  | 48                       | 1185                  | 216                      |
| 77,210                               | 97                       | 30                                     | 38                       | 15                        | 39                       | 435                           | 41                       | 379                  | 45                       | 1160                  | 267                      |
| 160,548                              | 40                       | 8                                      | 83                       | 17                        | 33                       | 479                           | 36                       | 316                  | 56                       | 1165                  | 262                      |
| 105,037                              | 67                       | 9                                      | 74                       | 11                        | 58                       | 230                           | 84                       | 465                  | 38                       | 1130                  | 322                      |
| 90,023                               | 81                       | 27                                     | 41                       | 6                         | 102                      | 290                           | 70                       | 214                  | 81                       | 1340                  | 63                       |
| 112,164                              | 60                       | 37                                     | 31                       | 10                        | 67                       | 295                           | 67                       | 241                  | 72                       | 1420                  | 27                       |
| 131,044                              | 47                       | 10                                     | 69                       | 4                         | 135                      | 131                           | 136                      | 131                  | 117                      | 1390                  | 35                       |
| 63,762                               | 110                      | 7                                      | 90                       | 1                         | 263                      | 147                           | 123                      | 226                  | 74                       | 1110                  | 381                      |
| 51,596                               | 125                      | 15                                     | 62                       | 6                         | 102                      | 122                           | 145                      | 300                  | 63                       | 1070                  | 531                      |
| 86,970                               | 83                       | 15                                     | 62                       | 7                         | 88                       | 479                           | 36                       | 202                  | 84                       | 1215                  | 167                      |
| 108,011                              | 65                       | 21                                     | 54                       | 5                         | 119                      | 519                           | 26                       | 221                  | 77                       | 1105                  | 421                      |
| 127,341                              | 50                       | 6                                      | 95                       | 4                         | 135                      | 48                            | 241                      | 20                   | 215                      | 1005                  | 928                      |
| 46,828                               | 130                      | 3                                      | 115                      | 8                         | 75                       | 177                           | 105                      | 96                   | 130                      | 1370                  | 45                       |
| 41,814                               | 143                      | 8                                      | 83                       | 7                         | 88                       | 150                           | 119                      | 80                   | 136                      | 1365                  | 49                       |
| 77,824                               | 95                       | 1                                      | 165                      | 3                         | 156                      | 130                           | 140                      | 143                  | 107                      | 1360                  | 50                       |
| 28,700                               | 185                      | 7                                      | 90                       | 13                        | 47                       | 335                           | 55                       | 264                  | 68                       | 1155                  | 276                      |
| 85,814                               | 84                       | 6                                      | 95                       | 8                         | 75                       | 440                           | 40                       | 245                  | 70                       | 1215                  | 167                      |
| 135,754                              | 45                       | 5                                      | 101                      | 8                         | 75                       | 325                           | 57                       | 184                  | 91                       | 1150                  | 284                      |
| 180,538                              | 34                       | 10                                     | 69                       | 7                         | 88                       | 163                           | 110                      | 219                  | 78                       | 1325                  | 68                       |
| 103,979                              | 71                       | 8                                      | 83                       | 6                         | 102                      | 411                           | 46                       | 199                  | 86                       | 1170                  | 229                      |
| 162,048                              | 39                       | 1                                      | 165                      | 3                         | 156                      | 206                           | 95                       | 134                  | 111                      | 1190                  | 202                      |
| 185,648                              | 33                       | 9                                      | 74                       | 7                         | 88                       | 169                           | 107                      | 90                   | 132                      | 1108                  | 420                      |
| 104,164                              | 70                       | 4                                      | 105                      | 11                        | 58                       | 484                           | 34                       | 145                  | 104                      | 1205                  | 179                      |
| 59,238                               | 117                      | 6                                      | 95                       | 13                        | 47                       | 324                           | 59                       | 217                  | 80                       | 1105                  | 421                      |

| Top Private Research Universities (1-25)                                         |                                       |                                      |                                         | Research                     |                   |                                |                   | Private                        |                   |
|----------------------------------------------------------------------------------|---------------------------------------|--------------------------------------|-----------------------------------------|------------------------------|-------------------|--------------------------------|-------------------|--------------------------------|-------------------|
| Institutions in Order of Top 25 Score, then Top 26-50 Score, then Alphabetically |                                       | Number of Measures in Top 25 Control | Number of Measures in Top 26-50 Control | 2012 Total Research x \$1000 | 2012 Control Rank | 2012 Federal Research x \$1000 | 2012 Control Rank | 2013 Endowment Assets x \$1000 | 2013 Control Rank |
| Private                                                                          | Columbia University                   | 9                                    | 0                                       | 847,809                      | 4                 | 631,961                        | 3                 | 8,197,880                      | 6                 |
| Private                                                                          | Duke University                       | 9                                    | 0                                       | 1,004,759                    | 2                 | 585,636                        | 5                 | 6,040,973                      | 11                |
| Private                                                                          | Harvard University                    | 9                                    | 0                                       | 753,973                      | 7                 | 574,346                        | 6                 | 32,334,293                     | 1                 |
| Private                                                                          | Massachusetts Institute of Technology | 9                                    | 0                                       | 770,367                      | 6                 | 478,955                        | 8                 | 11,005,932                     | 5                 |
| Private                                                                          | Northwestern University               | 9                                    | 0                                       | 602,451                      | 10                | 385,377                        | 12                | 7,883,323                      | 7                 |
| Private                                                                          | Stanford University                   | 9                                    | 0                                       | 854,580                      | 3                 | 607,578                        | 4                 | 18,688,868                     | 3                 |
| Private                                                                          | University of Chicago                 | 9                                    | 0                                       | 411,864                      | 18                | 329,119                        | 15                | 6,668,974                      | 10                |
| Private                                                                          | University of Pennsylvania            | 9                                    | 0                                       | 813,210                      | 5                 | 656,425                        | 2                 | 7,741,396                      | 8                 |
| Private                                                                          | Vanderbilt University                 | 9                                    | 0                                       | 533,878                      | 12                | 430,445                        | 11                | 3,673,434                      | 18                |
| Private                                                                          | Washington University in St. Louis    | 9                                    | 0                                       | 689,035                      | 8                 | 432,434                        | 10                | 5,651,860                      | 13                |
| Private                                                                          | Yale University                       | 9                                    | 0                                       | 654,824                      | 9                 | 517,072                        | 7                 | 20,780,000                     | 2                 |
| Private                                                                          | California Institute of Technology    | 8                                    | 1                                       | 374,075                      | 22                | 322,295                        | 16                | 1,849,880                      | 24                |
| Private                                                                          | Cornell University                    | 8                                    | 1                                       | 507,012                      | 13                | 298,596                        | 20                | 4,133,842                      | 15                |
| Private                                                                          | Emory University                      | 8                                    | 1                                       | 474,537                      | 15                | 360,934                        | 13                | 5,816,046                      | 12                |
| Private                                                                          | Johns Hopkins University              | 8                                    | 1                                       | 2,092,999                    | 1                 | 1,845,845                      | 1                 | 2,987,298                      | 19                |
| Private                                                                          | University of Southern California     | 8                                    | 1                                       | 593,003                      | 11                | 433,136                        | 9                 | 3,868,355                      | 16                |
| Private                                                                          | New York University                   | 8                                    | 0                                       | 425,043                      | 17                | 300,271                        | 19                | 2,949,000                      | 20                |
| Private                                                                          | Princeton University                  | 7                                    | 2                                       | 264,980                      | 28                | 160,985                        | 30                | 18,200,433                     | 4                 |
| Private                                                                          | Boston University                     | 5                                    | 3                                       | 330,247                      | 24                | 273,204                        | 21                | 1,369,581                      | 38                |
| Private                                                                          | Brown University                      | 4                                    | 5                                       | 234,906                      | 30                | 127,665                        | 32                | 2,669,948                      | 21                |
| Private                                                                          | Carnegie Mellon University            | 4                                    | 5                                       | 254,992                      | 29                | 209,307                        | 25                | 1,371,365                      | 37                |
| Private                                                                          | Rice University                       | 4                                    | 5                                       | 115,235                      | 40                | 76,431                         | 41                | 4,836,728                      | 14                |
| Private                                                                          | University of Notre Dame              | 4                                    | 5                                       | 143,328                      | 39                | 82,244                         | 40                | 6,856,301                      | 9                 |
| Private                                                                          | Dartmouth College                     | 4                                    | 4                                       | 195,251                      | 34                | 147,218                        | 31                | 3,733,596                      | 17                |
| Private                                                                          | University of Rochester               | 4                                    | 4                                       | 388,401                      | 21                | 307,390                        | 18                | 1,730,829                      | 29                |
| Private                                                                          | Case Western Reserve University       | 3                                    | 6                                       | 430,246                      | 16                | 358,722                        | 14                | 1,678,563                      | 30                |
| Private                                                                          | University of Miami                   | 3                                    | 4                                       | 361,772                      | 23                | 222,535                        | 24                | 777,947                        | 60                |
| Private                                                                          | George Washington University          | 2                                    | 6                                       | 187,652                      | 35                | 111,068                        | 36                | 1,375,202                      | 36                |
| Private                                                                          | Georgetown University                 | 1                                    | 8                                       | 171,829                      | 36                | 113,229                        | 35                | 1,286,323                      | 40                |
| Private                                                                          | Tufts University                      | 1                                    | 8                                       | 159,140                      | 37                | 120,042                        | 34                | 1,440,527                      | 35                |
| Private                                                                          | Yeshiva University                    | 1                                    | 7                                       | 289,027                      | 27                | 201,397                        | 26                | 1,183,499                      | 43                |
| Private                                                                          | Brandeis University                   | 1                                    | 5                                       | 69,489                       | 48                | 44,061                         | 47                | 766,205                        | 61                |

| Support                              |                         | Faculty                                |                         |                           |                         | Advanced Training             |                         |                      |                         | Undergraduate         |                         |
|--------------------------------------|-------------------------|----------------------------------------|-------------------------|---------------------------|-------------------------|-------------------------------|-------------------------|----------------------|-------------------------|-----------------------|-------------------------|
| 2013<br>Annual<br>Giving<br>x \$1000 | 2013<br>Control<br>Rank | 2013<br>National<br>Academy<br>Members | 2013<br>Control<br>Rank | 2013<br>Faculty<br>Awards | 2013<br>Control<br>Rank | 2013<br>Doctorates<br>Granted | 2013<br>Control<br>Rank | 2012<br>Post<br>Docs | 2012<br>Control<br>Rank | 2012<br>Median<br>SAT | 2012<br>Control<br>Rank |
| 646,663                              | 4                       | 125                                    | 4                       | 32                        | 4                       | 627                           | 4                       | 1,283                | 5                       | 1485                  | 9                       |
| 423,658                              | 9                       | 63                                     | 10                      | 20                        | 12                      | 495                           | 9                       | 747                  | 8                       | 1440                  | 18                      |
| 792,256                              | 2                       | 356                                    | 1                       | 87                        | 1                       | 686                           | 2                       | 6,019                | 1                       | 1500                  | 2                       |
| 403,539                              | 10                      | 270                                    | 3                       | 29                        | 5                       | 587                           | 5                       | 1,398                | 4                       | 1490                  | 7                       |
| 295,601                              | 12                      | 43                                     | 17                      | 22                        | 10                      | 481                           | 12                      | 742                  | 9                       | 1440                  | 18                      |
| 931,569                              | 1                       | 310                                    | 2                       | 48                        | 2                       | 764                           | 1                       | 1,887                | 2                       | 1475                  | 11                      |
| 289,447                              | 13                      | 63                                     | 10                      | 24                        | 8                       | 413                           | 14                      | 565                  | 16                      | 1485                  | 9                       |
| 506,607                              | 6                       | 114                                    | 6                       | 29                        | 5                       | 527                           | 8                       | 956                  | 7                       | 1445                  | 15                      |
| 145,433                              | 22                      | 31                                     | 19                      | 16                        | 18                      | 310                           | 18                      | 711                  | 10                      | 1460                  | 12                      |
| 233,019                              | 16                      | 48                                     | 15                      | 20                        | 12                      | 255                           | 21                      | 374                  | 22                      | 1490                  | 7                       |
| 444,171                              | 8                       | 111                                    | 7                       | 37                        | 3                       | 398                           | 16                      | 1,256                | 6                       | 1495                  | 4                       |
| 103,446                              | 28                      | 111                                    | 7                       | 10                        | 25                      | 236                           | 22                      | 623                  | 12                      | 1525                  | 1                       |
| 326,497                              | 11                      | 61                                     | 12                      | 19                        | 14                      | 490                           | 10                      | 386                  | 21                      | 1415                  | 29                      |
| 204,171                              | 17                      | 27                                     | 20                      | 18                        | 16                      | 227                           | 24                      | 678                  | 11                      | 1375                  | 43                      |
| 518,571                              | 5                       | 91                                     | 9                       | 24                        | 8                       | 530                           | 7                       | 1,775                | 3                       | 1405                  | 32                      |
| 674,512                              | 3                       | 50                                     | 14                      | 19                        | 14                      | 663                           | 3                       | 506                  | 18                      | 1375                  | 43                      |
| 449,344                              | 7                       | 52                                     | 13                      | 25                        | 7                       | 405                           | 15                      | 623                  | 12                      | 1350                  | 54                      |
| 242,551                              | 15                      | 120                                    | 5                       | 17                        | 17                      | 319                           | 17                      | 457                  | 20                      | 1500                  | 2                       |
| 116,562                              | 26                      | 20                                     | 27                      | 21                        | 11                      | 488                           | 11                      | 530                  | 17                      | 1275                  | 89                      |
| 176,416                              | 19                      | 18                                     | 29                      | 16                        | 18                      | 205                           | 29                      | 274                  | 26                      | 1425                  | 24                      |
| 112,164                              | 27                      | 37                                     | 18                      | 10                        | 25                      | 295                           | 19                      | 241                  | 27                      | 1420                  | 27                      |
| 122,673                              | 25                      | 25                                     | 23                      | 6                         | 39                      | 178                           | 31                      | 158                  | 35                      | 1445                  | 15                      |
| 247,928                              | 14                      | 4                                      | 44                      | 15                        | 20                      | 214                           | 27                      | 182                  | 34                      | 1440                  | 18                      |
| 160,165                              | 20                      | 14                                     | 31                      | 12                        | 21                      | 91                            | 57                      | 208                  | 31                      | 1455                  | 13                      |
| 90,023                               | 32                      | 27                                     | 20                      | 6                         | 39                      | 290                           | 20                      | 214                  | 30                      | 1340                  | 58                      |
| 94,238                               | 31                      | 19                                     | 28                      | 11                        | 23                      | 168                           | 33                      | 219                  | 28                      | 1370                  | 45                      |
| 180,538                              | 18                      | 10                                     | 35                      | 7                         | 32                      | 163                           | 34                      | 219                  | 28                      | 1325                  | 62                      |
| 84,436                               | 34                      | 10                                     | 35                      | 12                        | 21                      | 228                           | 23                      | 98                   | 42                      | 1295                  | 75                      |
| 131,044                              | 23                      | 10                                     | 35                      | 4                         | 50                      | 131                           | 41                      | 131                  | 39                      | 1390                  | 35                      |
| 52,260                               | 49                      | 11                                     | 34                      | 8                         | 30                      | 121                           | 47                      | 201                  | 32                      | 1435                  | 21                      |
| 75,591                               | 39                      | 13                                     | 32                      | 7                         | 32                      | 131                           | 41                      | 293                  | 25                      | 1220                  | 118                     |
| 54,556                               | 48                      | 12                                     | 33                      | 11                        | 23                      | 93                            | 56                      | 128                  | 40                      | 1340                  | 58                      |

| Top Private Research Universities (26-50)                     |                                  |                                         | Research                     |                   |                                |                   | Private                        |                   |
|---------------------------------------------------------------|----------------------------------|-----------------------------------------|------------------------------|-------------------|--------------------------------|-------------------|--------------------------------|-------------------|
| Institutions in Order of Top 26-50 Score, then Alphabetically |                                  | Number of Measures in Top 26-50 Control | 2012 Total Research x \$1000 | 2012 Control Rank | 2012 Federal Research x \$1000 | 2012 Control Rank | 2013 Endowment Assets x \$1000 | 2013 Control Rank |
| Private                                                       | Drexel University                | 7                                       | 112,390                      | 41                | 85,584                         | 38                | 586,938                        | 89                |
| Private                                                       | Northeastern University          | 7                                       | 102,911                      | 42                | 75,733                         | 42                | 616,618                        | 83                |
| Private                                                       | Rensselaer Polytechnic Institute | 7                                       | 92,348                       | 44                | 62,063                         | 45                | 616,836                        | 82                |
| Private                                                       | Tulane University                | 7                                       | 154,196                      | 38                | 101,130                        | 37                | 1,047,813                      | 49                |
| Private                                                       | Wake Forest University           | 7                                       | 203,730                      | 33                | 172,779                        | 27                | 1,061,639                      | 46                |
| Private                                                       | University of Dayton             | 2                                       | 79,877                       | 47                | 64,369                         | 44                | 442,252                        | 101               |

| Support                              |                         | Faculty                                |                         |                           |                         | Advanced Training             |                         |                      |                         | Undergraduate         |                         |
|--------------------------------------|-------------------------|----------------------------------------|-------------------------|---------------------------|-------------------------|-------------------------------|-------------------------|----------------------|-------------------------|-----------------------|-------------------------|
| 2013<br>Annual<br>Giving<br>x \$1000 | 2013<br>Control<br>Rank | 2013<br>National<br>Academy<br>Members | 2013<br>Control<br>Rank | 2013<br>Faculty<br>Awards | 2013<br>Control<br>Rank | 2013<br>Doctorates<br>Granted | 2013<br>Control<br>Rank | 2012<br>Post<br>Docs | 2012<br>Control<br>Rank | 2012<br>Median<br>SAT | 2012<br>Control<br>Rank |
| 64,953                               | 42                      | 6                                      | 41                      | 7                         | 32                      | 207                           | 28                      | 63                   | 46                      | 1220                  | 118                     |
| 46,828                               | 53                      | 3                                      | 47                      | 8                         | 30                      | 177                           | 32                      | 96                   | 43                      | 1370                  | 45                      |
| 41,814                               | 61                      | 8                                      | 38                      | 7                         | 32                      | 150                           | 36                      | 80                   | 44                      | 1365                  | 48                      |
| 77,824                               | 37                      | 1                                      | 65                      | 3                         | 57                      | 130                           | 44                      | 143                  | 37                      | 1360                  | 49                      |
| 79,631                               | 35                      | 5                                      | 43                      | 7                         | 32                      | 50                            | 79                      | 188                  | 33                      |                       |                         |
| 18,071                               | 113                     | 0                                      | 84                      | 0                         | 219                     | 30                            | 116                     | 11                   | 74                      | 1205                  | 136                     |

# The Top American Research Universities

| Top Public Research Universities (1-25)                                          |                                            |                                      |                                         | Research                     |                   |                                |                   | Private                        |                   |
|----------------------------------------------------------------------------------|--------------------------------------------|--------------------------------------|-----------------------------------------|------------------------------|-------------------|--------------------------------|-------------------|--------------------------------|-------------------|
| Institutions in Order of Top 25 Score, then Top 26-50 Score, then Alphabetically |                                            | Number of Measures in Top 25 Control | Number of Measures in Top 26-50 Control | 2012 Total Research x \$1000 | 2012 Control Rank | 2012 Federal Research x \$1000 | 2012 Control Rank | 2013 Endowment Assets x \$1000 | 2013 Control Rank |
| Public                                                                           | Ohio State University - Columbus           | 9                                    | 0                                       | 720,082                      | 10                | 416,304                        | 12                | 3,149,169                      | 6                 |
| Public                                                                           | University of California - Berkeley        | 9                                    | 0                                       | 696,904                      | 13                | 333,179                        | 16                | 3,330,553                      | 5                 |
| Public                                                                           | University of California - Los Angeles     | 9                                    | 0                                       | 969,682                      | 6                 | 527,899                        | 8                 | 2,626,965                      | 9                 |
| Public                                                                           | University of Illinois - Urbana-Champaign  | 9                                    | 0                                       | 558,022                      | 19                | 348,536                        | 14                | 1,310,300                      | 20                |
| Public                                                                           | University of Michigan - Ann Arbor         | 9                                    | 0                                       | 1,247,680                    | 1                 | 773,766                        | 2                 | 8,382,311                      | 2                 |
| Public                                                                           | University of Minnesota - Twin Cities      | 9                                    | 0                                       | 806,832                      | 9                 | 480,531                        | 10                | 2,757,476                      | 8                 |
| Public                                                                           | University of North Carolina - Chapel Hill | 9                                    | 0                                       | 864,748                      | 7                 | 597,629                        | 5                 | 2,381,151                      | 10                |
| Public                                                                           | University of Texas - Austin               | 9                                    | 0                                       | 549,312                      | 20                | 328,560                        | 17                | 9,145,142                      | 1                 |
| Public                                                                           | University of Wisconsin - Madison          | 9                                    | 0                                       | 1,030,605                    | 5                 | 557,688                        | 7                 | 2,334,560                      | 12                |
| Public                                                                           | Pennsylvania State Univ. - Univ. Park      | 8                                    | 1                                       | 699,556                      | 12                | 469,597                        | 11                | 1,411,236                      | 18                |
| Public                                                                           | University of Florida                      | 8                                    | 1                                       | 649,988                      | 17                | 295,745                        | 22                | 1,359,643                      | 19                |
| Public                                                                           | University of Washington - Seattle         | 8                                    | 1                                       | 1,065,414                    | 2                 | 876,941                        | 1                 | 2,346,693                      | 11                |
| Public                                                                           | Georgia Institute of Technology            | 7                                    | 2                                       | 683,894                      | 15                | 482,349                        | 9                 | 1,714,876                      | 16                |
| Public                                                                           | University of California - San Diego       | 7                                    | 2                                       | 1,065,306                    | 3                 | 653,549                        | 3                 | 642,605                        | 45                |
| Public                                                                           | University of Pittsburgh - Pittsburgh      | 7                                    | 2                                       | 839,793                      | 8                 | 620,070                        | 4                 | 2,975,896                      | 7                 |
| Public                                                                           | University of California - Davis           | 6                                    | 3                                       | 704,999                      | 11                | 356,540                        | 13                | 790,060                        | 31                |
| Public                                                                           | Michigan State University                  | 6                                    | 2                                       | 471,620                      | 23                | 250,416                        | 29                | 1,958,350                      | 14                |
| Public                                                                           | University of Maryland - College Park      | 6                                    | 1                                       | 498,417                      | 22                | 340,180                        | 15                | 433,821                        | 65                |
| Public                                                                           | Texas A&M University - College Station     | 5                                    | 4                                       | 669,968                      | 16                | 259,506                        | 27                | 8,072,055                      | 3                 |
| Public                                                                           | University of Virginia                     | 5                                    | 4                                       | 363,569                      | 37                | 225,558                        | 34                | 5,166,660                      | 4                 |
| Public                                                                           | Purdue University - West Lafayette         | 5                                    | 3                                       | 528,140                      | 21                | 255,691                        | 28                | 2,182,171                      | 13                |
| Public                                                                           | University of Arizona                      | 4                                    | 4                                       | 615,434                      | 18                | 328,369                        | 18                | 611,746                        | 47                |
| Public                                                                           | University of Colorado - Boulder           | 4                                    | 2                                       | 373,512                      | 36                | 319,019                        | 19                | 495,815                        | 59                |
| Public                                                                           | Rutgers University - New Brunswick         | 3                                    | 6                                       | 420,737                      | 30                | 273,498                        | 23                | 783,492                        | 34                |
| Public                                                                           | North Carolina State University            | 3                                    | 5                                       | 400,046                      | 33                | 171,464                        | 44                | 769,404                        | 37                |
| Public                                                                           | University of Utah                         | 3                                    | 5                                       | 425,558                      | 28                | 271,629                        | 24                | 745,553                        | 38                |
| Public                                                                           | University of Cincinnati - Cincinnati      | 3                                    | 4                                       | 408,294                      | 32                | 266,507                        | 25                | 1,045,606                      | 24                |
| Public                                                                           | Indiana University - Bloomington           | 3                                    | 3                                       | 151,240                      | 79                | 72,501                         | 91                | 835,123                        | 29                |
| Public                                                                           | University of California - Irvine          | 3                                    | 3                                       | 335,874                      | 41                | 204,062                        | 37                | 330,104                        | 82                |
| Public                                                                           | University of Iowa                         | 2                                    | 6                                       | 432,980                      | 27                | 265,780                        | 26                | 1,094,803                      | 23                |
| Public                                                                           | Virginia Polytechnic Inst. and St. Univ.   | 2                                    | 5                                       | 448,054                      | 25                | 181,371                        | 43                | 660,340                        | 44                |
| Public                                                                           | University of Kansas - Lawrence            | 2                                    | 2                                       | 172,615                      | 69                | 99,034                         | 72                | 1,005,416                      | 25                |
| Public                                                                           | University of Alabama - Birmingham         | 2                                    | 1                                       | 449,108                      | 24                | 303,677                        | 21                | 374,260                        | 76                |
| Public                                                                           | Arizona State University - Tempe           | 1                                    | 6                                       | 344,611                      | 39                | 182,188                        | 42                | 552,789                        | 50                |
| Public                                                                           | University of California - Santa Barbara   | 1                                    | 4                                       | 222,916                      | 57                | 134,984                        | 51                | 226,034                        | 105               |
| Public                                                                           | University of Tennessee - Knoxville        | 1                                    | 4                                       | 165,708                      | 72                | 103,147                        | 71                | 726,483                        | 39                |
| Public                                                                           | University of Colorado - Denver            | 1                                    | 3                                       | 422,844                      | 29                | 308,023                        | 20                | 389,569                        | 71                |
| Public                                                                           | University of Oklahoma - Norman            | 1                                    | 1                                       | 115,529                      | 93                | 64,427                         | 94                | 927,019                        | 27                |
| Public                                                                           | University of Oregon                       | 1                                    | 1                                       | 87,656                       | 106               | 71,157                         | 92                | 552,285                        | 51                |
| Public                                                                           | University of Delaware                     | 1                                    | 0                                       | 161,327                      | 75                | 110,760                        | 61                | 1,171,166                      | 21                |

| Support                              |                         | Faculty                                |                         |                           |                         | Advanced Training             |                         |                      |                         | Undergraduate         |                         |
|--------------------------------------|-------------------------|----------------------------------------|-------------------------|---------------------------|-------------------------|-------------------------------|-------------------------|----------------------|-------------------------|-----------------------|-------------------------|
| 2013<br>Annual<br>Giving<br>x \$1000 | 2013<br>Control<br>Rank | 2013<br>National<br>Academy<br>Members | 2013<br>Control<br>Rank | 2013<br>Faculty<br>Awards | 2013<br>Control<br>Rank | 2013<br>Doctorates<br>Granted | 2013<br>Control<br>Rank | 2012<br>Post<br>Docs | 2012<br>Control<br>Rank | 2012<br>Median<br>SAT | 2012<br>Control<br>Rank |
| 290,595                              | 8                       | 32                                     | 16                      | 29                        | 8                       | 807                           | 5                       | 616                  | 15                      | 1260                  | 20                      |
| 340,919                              | 5                       | 227                                    | 1                       | 32                        | 6                       | 937                           | 1                       | 1,533                | 1                       | 1370                  | 1                       |
| 419,647                              | 1                       | 95                                     | 6                       | 33                        | 5                       | 784                           | 6                       | 1,009                | 6                       | 1300                  | 8                       |
| 169,548                              | 18                      | 57                                     | 9                       | 29                        | 8                       | 809                           | 4                       | 558                  | 18                      | 1280                  | 14                      |
| 351,552                              | 4                       | 100                                    | 5                       | 50                        | 1                       | 885                           | 2                       | 1,080                | 4                       | 1340                  | 6                       |
| 219,905                              | 12                      | 39                                     | 12                      | 32                        | 6                       | 772                           | 7                       | 580                  | 16                      | 1240                  | 24                      |
| 272,767                              | 9                       | 34                                     | 15                      | 21                        | 12                      | 530                           | 17                      | 850                  | 7                       | 1300                  | 8                       |
| 290,987                              | 7                       | 69                                     | 8                       | 17                        | 17                      | 849                           | 3                       | 372                  | 25                      | 1255                  | 23                      |
| 360,689                              | 3                       | 70                                     | 7                       | 26                        | 11                      | 772                           | 7                       | 798                  | 9                       | 1260                  | 20                      |
| 174,105                              | 17                      | 26                                     | 22                      | 21                        | 12                      | 662                           | 14                      | 401                  | 21                      | 1195                  | 49                      |
| 210,951                              | 15                      | 24                                     | 26                      | 15                        | 20                      | 742                           | 10                      | 674                  | 12                      | 1265                  | 18                      |
| 322,231                              | 6                       | 110                                    | 4                       | 39                        | 3                       | 763                           | 9                       | 1,190                | 3                       | 1215                  | 37                      |
| 102,717                              | 45                      | 26                                     | 22                      | 15                        | 20                      | 488                           | 21                      | 307                  | 36                      | 1355                  | 4                       |
| 167,404                              | 19                      | 117                                    | 3                       | 35                        | 4                       | 489                           | 20                      | 1,219                | 2                       | 1235                  | 26                      |
| 127,859                              | 26                      | 32                                     | 16                      | 28                        | 10                      | 435                           | 29                      | 841                  | 8                       | 1275                  | 16                      |
| 104,743                              | 42                      | 44                                     | 11                      | 14                        | 24                      | 580                           | 15                      | 757                  | 11                      | 1210                  | 42                      |
| 130,964                              | 25                      | 10                                     | 35                      | 16                        | 19                      | 499                           | 19                      | 429                  | 20                      | 1170                  | 64                      |
| 79,118                               | 56                      | 31                                     | 18                      | 11                        | 36                      | 696                           | 11                      | 399                  | 22                      | 1300                  | 8                       |
| 254,628                              | 10                      | 22                                     | 27                      | 18                        | 16                      | 693                           | 12                      | 320                  | 32                      | 1195                  | 49                      |
| 224,541                              | 11                      | 26                                     | 22                      | 11                        | 36                      | 399                           | 33                      | 658                  | 13                      | 1360                  | 2                       |
| 121,592                              | 30                      | 25                                     | 25                      | 14                        | 24                      | 684                           | 13                      | 306                  | 37                      | 1180                  | 61                      |
| 151,363                              | 22                      | 28                                     | 21                      | 12                        | 31                      | 441                           | 27                      | 308                  | 35                      | 1095                  | 135                     |
| 63,377                               | 68                      | 30                                     | 19                      | 19                        | 15                      | 386                           | 35                      | 776                  | 10                      | 1170                  | 64                      |
| 90,313                               | 49                      | 37                                     | 14                      | 20                        | 14                      | 417                           | 31                      | 243                  | 45                      | 1195                  | 49                      |
| 131,378                              | 24                      | 18                                     | 30                      | 14                        | 24                      | 488                           | 21                      | 371                  | 26                      | 1185                  | 57                      |
| 213,984                              | 13                      | 17                                     | 31                      | 13                        | 27                      | 324                           | 43                      | 389                  | 23                      | 1110                  | 112                     |
| 105,037                              | 40                      | 9                                      | 37                      | 11                        | 36                      | 230                           | 62                      | 465                  | 19                      | 1130                  | 97                      |
| 160,548                              | 21                      | 8                                      | 46                      | 17                        | 17                      | 479                           | 24                      | 316                  | 33                      | 1165                  | 75                      |
| 77,210                               | 59                      | 30                                     | 19                      | 15                        | 20                      | 435                           | 29                      | 379                  | 24                      | 1160                  | 77                      |
| 122,102                              | 29                      | 22                                     | 27                      | 12                        | 31                      | 538                           | 16                      | 363                  | 27                      | 1150                  | 81                      |
| 86,970                               | 50                      | 15                                     | 32                      | 7                         | 57                      | 479                           | 24                      | 202                  | 53                      | 1215                  | 37                      |
| 135,754                              | 23                      | 5                                      | 59                      | 8                         | 46                      | 325                           | 41                      | 184                  | 58                      | 1150                  | 81                      |
| 63,762                               | 67                      | 7                                      | 51                      | 1                         | 168                     | 147                           | 86                      | 226                  | 47                      | 1110                  | 112                     |
| 108,011                              | 38                      | 21                                     | 29                      | 5                         | 76                      | 519                           | 18                      | 221                  | 50                      | 1105                  | 127                     |
| 60,999                               | 73                      | 57                                     | 9                       | 11                        | 36                      | 387                           | 34                      | 300                  | 39                      | 1215                  | 37                      |
| 104,164                              | 43                      | 4                                      | 62                      | 11                        | 36                      | 484                           | 23                      | 145                  | 69                      | 1205                  | 44                      |
| 51,596                               | 76                      | 15                                     | 32                      | 6                         | 64                      | 122                           | 99                      | 300                  | 39                      | 1070                  | 163                     |
| 162,048                              | 20                      | 1                                      | 101                     | 3                         | 100                     | 206                           | 67                      | 134                  | 74                      | 1190                  | 53                      |
| 185,648                              | 16                      | 9                                      | 37                      | 7                         | 57                      | 169                           | 75                      | 90                   | 89                      | 1108                  | 126                     |
| 46,844                               | 77                      | 7                                      | 51                      | 6                         | 64                      | 202                           | 68                      | 133                  | 77                      | 1185                  | 57                      |

| Top Public Research Universities (26-50)                      |                                                       |                                         | Research                     |                   |                                |                   | Private                        |                   |
|---------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------|------------------------------|-------------------|--------------------------------|-------------------|--------------------------------|-------------------|
| Institutions in Order of Top 26-50 Score, then Alphabetically |                                                       | Number of Measures in Top 26-50 Control | 2012 Total Research x \$1000 | 2012 Control Rank | 2012 Federal Research x \$1000 | 2012 Control Rank | 2013 Endowment Assets x \$1000 | 2013 Control Rank |
| Public                                                        | Stony Brook University                                | 6                                       | 218,209                      | 60                | 123,198                        | 56                | 180,716                        | 121               |
| Public                                                        | University at Buffalo                                 | 6                                       | 340,930                      | 40                | 186,747                        | 41                | 554,392                        | 49                |
| Public                                                        | University of Georgia                                 | 6                                       | 311,498                      | 44                | 133,525                        | 52                | 786,171                        | 33                |
| Public                                                        | University of Illinois - Chicago                      | 6                                       | 381,918                      | 35                | 243,622                        | 31                | 245,900                        | 96                |
| Public                                                        | University of Kentucky                                | 6                                       | 354,132                      | 38                | 157,813                        | 47                | 992,427                        | 26                |
| Public                                                        | Colorado State University - Fort Collins              | 5                                       | 335,336                      | 42                | 245,573                        | 30                | 245,887                        | 97                |
| Public                                                        | University of Hawaii - Manoa                          | 5                                       | 312,311                      | 43                | 193,722                        | 40                | 235,383                        | 99                |
| Public                                                        | Indiana University - Purdue University - Indianapolis | 4                                       | 308,101                      | 45                | 165,374                        | 45                | 709,877                        | 40                |
| Public                                                        | University of Missouri - Columbia                     | 4                                       | 234,975                      | 56                | 110,446                        | 63                | 692,853                        | 42                |
| Public                                                        | University of Nebraska - Lincoln                      | 4                                       | 238,471                      | 53                | 103,294                        | 70                | 870,173                        | 28                |
| Public                                                        | University of South Carolina - Columbia               | 4                                       | 186,559                      | 64                | 93,237                         | 75                | 544,939                        | 54                |
| Public                                                        | University of South Florida - Tampa                   | 4                                       | 394,694                      | 34                | 218,772                        | 35                | 363,924                        | 79                |
| Public                                                        | Washington State University - Pullman                 | 4                                       | 288,693                      | 47                | 120,146                        | 58                | 777,628                        | 35                |
| Public                                                        | Florida State University                              | 3                                       | 208,005                      | 62                | 131,998                        | 53                | 548,095                        | 52                |
| Public                                                        | Iowa State University                                 | 3                                       | 252,675                      | 51                | 117,144                        | 59                | 673,515                        | 43                |
| Public                                                        | Louisiana State University - Baton Rouge              | 3                                       | 279,019                      | 48                | 91,238                         | 77                | 383,443                        | 73                |
| Public                                                        | University of Houston - University Park               | 3                                       | 105,844                      | 97                | 54,657                         | 105               | 637,475                        | 46                |
| Public                                                        | University of Massachusetts - Amherst                 | 3                                       | 178,207                      | 68                | 106,470                        | 68                | 272,087                        | 90                |
| Public                                                        | Virginia Commonwealth University                      | 3                                       | 179,310                      | 67                | 124,836                        | 55                | 562,215                        | 48                |
| Public                                                        | Oregon State University                               | 2                                       | 239,571                      | 52                | 155,667                        | 48                | 443,826                        | 64                |
| Public                                                        | University of California - Riverside                  | 2                                       | 129,609                      | 87                | 61,304                         | 96                | 148,777                        | 134               |
| Public                                                        | University of Connecticut - Storrs                    | 2                                       | 147,938                      | 81                | 88,834                         | 79                | 251,247                        | 95                |
| Public                                                        | University of Louisville                              | 2                                       | 165,319                      | 73                | 79,252                         | 84                | 788,529                        | 32                |
| Public                                                        | West Virginia University                              | 2                                       | 161,961                      | 74                | 77,981                         | 87                | 460,640                        | 61                |
| Public                                                        | Auburn University                                     | 1                                       | 130,222                      | 86                | 55,118                         | 103               | 522,145                        | 56                |
| Public                                                        | Clemson University                                    | 1                                       | 110,493                      | 96                | 48,182                         | 111               | 528,697                        | 55                |
| Public                                                        | Kansas State University                               | 1                                       | 169,863                      | 70                | 73,247                         | 89                | 364,675                        | 78                |
| Public                                                        | Oklahoma State University - Stillwater                | 1                                       | 166,523                      | 71                | 85,876                         | 81                | 389,522                        | 72                |
| Public                                                        | Temple University                                     | 1                                       | 126,288                      | 89                | 85,062                         | 82                | 323,837                        | 83                |
| Public                                                        | University of California - Santa Cruz                 | 1                                       | 149,824                      | 80                | 91,409                         | 76                | 124,926                        | 149               |
| Public                                                        | University of Maryland - Baltimore County             | 1                                       | 65,628                       | 126               | 44,669                         | 115               | 66,825                         | 197               |
| Public                                                        | University of New Mexico - Albuquerque                | 1                                       | 216,218                      | 61                | 159,302                        | 46                | 371,302                        | 77                |

| Support                              |                         | Faculty                                |                         |                           |                         | Advanced Training             |                         |                      |                         | Undergraduate         |                         |
|--------------------------------------|-------------------------|----------------------------------------|-------------------------|---------------------------|-------------------------|-------------------------------|-------------------------|----------------------|-------------------------|-----------------------|-------------------------|
| 2013<br>Annual<br>Giving<br>x \$1000 | 2013<br>Control<br>Rank | 2013<br>National<br>Academy<br>Members | 2013<br>Control<br>Rank | 2013<br>Faculty<br>Awards | 2013<br>Control<br>Rank | 2013<br>Doctorates<br>Granted | 2013<br>Control<br>Rank | 2012<br>Post<br>Docs | 2012<br>Control<br>Rank | 2012<br>Median<br>SAT | 2012<br>Control<br>Rank |
| 97,892                               | 47                      | 14                                     | 34                      | 11                        | 36                      | 309                           | 46                      | 222                  | 49                      | 1235                  | 26                      |
| 28,700                               | 106                     | 7                                      | 51                      | 13                        | 27                      | 335                           | 39                      | 264                  | 42                      | 1155                  | 78                      |
| 85,814                               | 51                      | 6                                      | 55                      | 8                         | 46                      | 440                           | 28                      | 245                  | 44                      | 1215                  | 37                      |
| 55,700                               | 75                      | 8                                      | 46                      | 8                         | 46                      | 352                           | 38                      | 251                  | 43                      | 1090                  | 140                     |
| 78,903                               | 57                      | 3                                      | 69                      | 12                        | 31                      | 305                           | 47                      | 344                  | 29                      | 1170                  | 64                      |
| 112,473                              | 33                      | 5                                      | 59                      | 8                         | 46                      | 232                           | 61                      | 313                  | 34                      | 1130                  | 97                      |
| 62,465                               | 70                      | 9                                      | 37                      | 11                        | 36                      | 229                           | 63                      | 339                  | 30                      | 1080                  | 157                     |
| 127,341                              | 27                      | 6                                      | 55                      | 4                         | 86                      | 48                            | 159                     | 20                   | 157                     | 1005                  | 320                     |
| 103,979                              | 44                      | 8                                      | 46                      | 6                         | 64                      | 411                           | 32                      | 199                  | 54                      | 1170                  | 64                      |
| 120,093                              | 32                      | 2                                      | 82                      | 9                         | 44                      | 325                           | 41                      | 163                  | 62                      | 1170                  | 64                      |
| 107,008                              | 39                      | 2                                      | 82                      | 8                         | 46                      | 334                           | 40                      | 97                   | 85                      | 1195                  | 49                      |
| 36,520                               | 90                      | 3                                      | 69                      | 7                         | 57                      | 295                           | 49                      | 289                  | 41                      | 1170                  | 64                      |
| 45,336                               | 78                      | 9                                      | 37                      | 8                         | 46                      | 268                           | 54                      | 190                  | 56                      | 1050                  | 201                     |
| 61,270                               | 72                      | 6                                      | 55                      | 2                         | 128                     | 370                           | 36                      | 235                  | 46                      | 1220                  | 35                      |
| 62,288                               | 71                      | 7                                      | 51                      | 10                        | 43                      | 363                           | 37                      | 158                  | 65                      | 1150                  | 81                      |
| 96,895                               | 48                      | 3                                      | 69                      | 5                         | 76                      | 305                           | 47                      | 138                  | 73                      | 1170                  | 64                      |
| 84,201                               | 52                      | 9                                      | 37                      | 5                         | 76                      | 317                           | 45                      | 198                  | 55                      | 1130                  | 97                      |
| 31,914                               | 100                     | 8                                      | 46                      | 12                        | 31                      | 295                           | 49                      | 165                  | 60                      | 1190                  | 53                      |
| 59,238                               | 74                      | 6                                      | 55                      | 13                        | 27                      | 324                           | 43                      | 217                  | 51                      | 1105                  | 127                     |
| 81,027                               | 54                      | 4                                      | 62                      | 8                         | 46                      | 215                           | 65                      | 214                  | 52                      | 1090                  | 140                     |
| 25,450                               | 110                     | 8                                      | 46                      | 9                         | 44                      | 255                           | 55                      | 133                  | 77                      | 1080                  | 157                     |
| 38,982                               | 85                      | 1                                      | 101                     | 8                         | 46                      | 272                           | 52                      | 134                  | 74                      | 1230                  | 31                      |
| 123,415                              | 28                      | 2                                      | 82                      | 5                         | 76                      | 138                           | 89                      | 114                  | 80                      | 1130                  | 97                      |
| 99,034                               | 46                      | 1                                      | 101                     | 8                         | 46                      | 158                           | 78                      | 46                   | 112                     | 1055                  | 194                     |
| 67,911                               | 64                      | 1                                      | 101                     | 1                         | 168                     | 237                           | 59                      | 45                   | 113                     | 1220                  | 35                      |
| 75,666                               | 60                      | 2                                      | 82                      | 4                         | 86                      | 187                           | 73                      | 45                   | 113                     | 1235                  | 26                      |
| 108,060                              | 37                      | 1                                      | 101                     | 3                         | 100                     | 158                           | 78                      | 112                  | 81                      |                       |                         |
| 110,186                              | 34                      | 3                                      | 69                      | 3                         | 100                     | 238                           | 57                      | 61                   | 97                      | 1150                  | 81                      |
| 63,014                               | 69                      | 3                                      | 69                      | 8                         | 46                      | 208                           | 66                      | 159                  | 64                      | 1110                  | 112                     |
| 23,684                               | 114                     | 9                                      | 37                      | 4                         | 86                      | 160                           | 77                      | 141                  | 72                      | 1140                  | 91                      |
| 21,057                               | 120                     | 0                                      | 137                     | 3                         | 100                     | 95                            | 110                     | 45                   | 113                     | 1225                  | 34                      |
| 65,919                               | 66                      | 3                                      | 69                      | 7                         | 57                      | 202                           | 68                      | 70                   | 95                      | 1030                  | 242                     |

| Top Medical and Specialized Research Universities                                |                                          |                                       |                                          | Research                     |                    |                                |                    | Private                        |                    |
|----------------------------------------------------------------------------------|------------------------------------------|---------------------------------------|------------------------------------------|------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|
| Institutions in Order of Top 25 Score, then Top 26-50 Score, then Alphabetically |                                          | Number of Measures in Top 25 National | Number of Measures in Top 26-50 National | 2012 Total Research x \$1000 | 2012 National Rank | 2012 Federal Research x \$1000 | 2012 National Rank | 2013 Endowment Assets x \$1000 | 2013 National Rank |
| Public                                                                           | University of California - San Francisco | 6                                     | 1                                        | 1,032,673                    | 5                  | 559,329                        | 12                 | 1,716,203                      | 44                 |
| Public                                                                           | Univ. of Texas MD Anderson Cancer Ctr.   | 1                                     | 2                                        | 685,814                      | 22                 | 196,753                        | 65                 | 1,111,653                      | 66                 |
| Public                                                                           | Univ. of Texas SW Medical Ctr. - Dallas  | 0                                     | 4                                        | 435,085                      | 41                 | 207,513                        | 61                 | 1,450,655                      | 51                 |
| Private                                                                          | Baylor College of Medicine               | 0                                     | 3                                        | 474,700                      | 36                 | 268,753                        | 47                 | 873,721                        | 84                 |
| Private                                                                          | Icahn School of Medicine at Mount Sinai  | 0                                     | 2                                        | 400,680                      | 51                 | 271,722                        | 45                 | 630,518                        | 127                |
| Private                                                                          | Rockefeller University                   | 0                                     | 2                                        | 292,896                      | 71                 | 84,616                         | 121                | 1,772,394                      | 42                 |
| Private                                                                          | Scripps Research Institute               | 0                                     | 2                                        | 398,673                      | 53                 | 309,471                        | 36                 |                                |                    |
| Public                                                                           | University of Maryland - Baltimore       | 0                                     | 2                                        | 414,754                      | 48                 | 229,858                        | 56                 | 230,006                        | 258                |
| Private                                                                          | Weill Cornell Medical College            | 0                                     | 2                                        | 292,782                      | 72                 | 172,428                        | 71                 | 1,138,386                      | 65                 |
| Public                                                                           | Univ. of Mass. Med. Sch. - Worcester     | 0                                     | 1                                        | 256,090                      | 78                 | 202,149                        | 63                 | 171,437                        | 315                |

| Top Private Medical and Specialized Research Universities                        |                                         |                                      |                                         | Research                     |                   |                                |                   | Private                        |                   |
|----------------------------------------------------------------------------------|-----------------------------------------|--------------------------------------|-----------------------------------------|------------------------------|-------------------|--------------------------------|-------------------|--------------------------------|-------------------|
| Institutions in Order of Top 25 Score, then Top 26-50 Score, then Alphabetically |                                         | Number of Measures in Top 25 Control | Number of Measures in Top 26-50 Control | 2012 Total Research x \$1000 | 2012 Control Rank | 2012 Federal Research x \$1000 | 2012 Control Rank | 2013 Endowment Assets x \$1000 | 2013 Control Rank |
| Private                                                                          | Baylor College of Medicine              | 4                                    | 2                                       | 474,700                      | 14                | 268,753                        | 23                | 873,721                        | 57                |
| Private                                                                          | Icahn School of Medicine at Mount Sinai | 4                                    | 2                                       | 400,680                      | 19                | 271,722                        | 22                | 630,518                        | 81                |
| Private                                                                          | Scripps Research Institute              | 4                                    | 0                                       | 398,673                      | 20                | 309,471                        | 17                |                                |                   |
| Private                                                                          | Weill Cornell Medical College           | 3                                    | 4                                       | 292,782                      | 26                | 172,428                        | 28                | 1,138,386                      | 44                |
| Private                                                                          | Rockefeller University                  | 3                                    | 3                                       | 292,896                      | 25                | 84,616                         | 39                | 1,772,394                      | 28                |
| Private                                                                          | Medical College of Wisconsin            | 0                                    | 4                                       | 209,040                      | 31                | 125,325                        | 33                | 597,865                        | 85                |
| Private                                                                          | Thomas Jefferson University             | 0                                    | 4                                       | 100,506                      | 43                | 68,976                         | 43                | 336,658                        | 124               |
| Private                                                                          | Woods Hole Oceanographic Institution    | 0                                    | 4                                       | 204,352                      | 32                | 161,115                        | 29                |                                |                   |
| Private                                                                          | Cold Springs Harbor Laboratory          | 0                                    | 3                                       | 84,072                       | 45                | 43,874                         | 48                |                                |                   |
| Private                                                                          | Rush University                         | 0                                    | 2                                       | 80,300                       | 46                | 57,512                         | 46                | 500,797                        | 93                |

| Top Public Medical and Specialized Research Universities                         |                                          |                                      |                                         | Research                     |                   |                                |                   | Private                        |                   |
|----------------------------------------------------------------------------------|------------------------------------------|--------------------------------------|-----------------------------------------|------------------------------|-------------------|--------------------------------|-------------------|--------------------------------|-------------------|
| Institutions in Order of Top 25 Score, then Top 26-50 Score, then Alphabetically |                                          | Number of Measures in Top 25 Control | Number of Measures in Top 26-50 Control | 2012 Total Research x \$1000 | 2012 Control Rank | 2012 Federal Research x \$1000 | 2012 Control Rank | 2013 Endowment Assets x \$1000 | 2013 Control Rank |
| Public                                                                           | University of California - San Francisco | 7                                    | 0                                       | 1,032,673                    | 4                 | 559,329                        | 6                 | 1,716,203                      | 15                |
| Public                                                                           | Univ. of Texas SW Med. Center - Dallas   | 4                                    | 3                                       | 435,085                      | 26                | 207,513                        | 36                | 1,450,655                      | 17                |
| Public                                                                           | Univ. of Texas MD Anderson Cancer Ctr.   | 4                                    | 2                                       | 685,814                      | 14                | 196,753                        | 39                | 1,111,653                      | 22                |
| Public                                                                           | Oregon Health & Science University       | 0                                    | 5                                       | 305,360                      | 46                | 242,219                        | 32                | 463,969                        | 60                |
| Public                                                                           | University of Maryland - Baltimore       | 0                                    | 5                                       | 414,754                      | 31                | 229,858                        | 33                | 230,006                        | 102               |
| Public                                                                           | Univ. of Mass. Med. Sch. - Worcester     | 0                                    | 4                                       | 256,090                      | 50                | 202,149                        | 38                | 171,437                        | 125               |
| Public                                                                           | Univ. of Texas HSC - Houston             | 0                                    | 2                                       | 236,250                      | 55                | 146,424                        | 49                | 227,043                        | 103               |
| Public                                                                           | Medical University of South Carolina     | 0                                    | 1                                       | 236,586                      | 54                | 136,907                        | 50                | 272,319                        | 89                |

| Support                              |                          | Faculty                                |                          |                           |                          | Advanced Training             |                          |                      |                          |
|--------------------------------------|--------------------------|----------------------------------------|--------------------------|---------------------------|--------------------------|-------------------------------|--------------------------|----------------------|--------------------------|
| 2013<br>Annual<br>Giving<br>x \$1000 | 2013<br>National<br>Rank | 2013<br>National<br>Academy<br>Members | 2013<br>National<br>Rank | 2013<br>Faculty<br>Awards | 2013<br>National<br>Rank | 2013<br>Doctorates<br>Granted | 2013<br>National<br>Rank | 2012<br>Post<br>Docs | 2012<br>National<br>Rank |
| 385,745                              | 12                       | 129                                    | 5                        | 40                        | 4                        | 136                           | 129                      | 1,066                | 11                       |
| 212,506                              | 30                       | 9                                      | 74                       | 1                         | 263                      |                               |                          | 621                  | 27                       |
| 104,866                              | 68                       | 38                                     | 30                       | 15                        | 39                       | 89                            | 175                      | 572                  | 32                       |
| 100,540                              | 74                       | 22                                     | 51                       | 5                         | 119                      | 85                            | 179                      | 588                  | 29                       |
| 127,027                              | 51                       | 16                                     | 61                       | 7                         | 88                       | 35                            | 277                      | 579                  | 31                       |
| 37,562                               | 156                      | 46                                     | 26                       | 7                         | 88                       | 17                            | 374                      | 309                  | 58                       |
|                                      |                          | 26                                     | 43                       | 10                        | 67                       |                               |                          |                      |                          |
| 109,647                              | 63                       | 9                                      | 74                       | 6                         | 102                      | 81                            | 186                      | 350                  | 50                       |
| 148,460                              | 43                       | 24                                     | 49                       | 9                         | 72                       | 73                            | 196                      | 347                  | 51                       |
| 10,158                               | 379                      | 5                                      | 101                      | 13                        | 47                       | 52                            | 226                      | 324                  | 54                       |

| Support                              |                         | Faculty                                |                         |                           |                         | Advanced Training             |                         |                      |                         |
|--------------------------------------|-------------------------|----------------------------------------|-------------------------|---------------------------|-------------------------|-------------------------------|-------------------------|----------------------|-------------------------|
| 2013<br>Annual<br>Giving<br>x \$1000 | 2013<br>Control<br>Rank | 2013<br>National<br>Academy<br>Members | 2013<br>Control<br>Rank | 2013<br>Faculty<br>Awards | 2013<br>Control<br>Rank | 2013<br>Doctorates<br>Granted | 2013<br>Control<br>Rank | 2012<br>Post<br>Docs | 2012<br>Control<br>Rank |
| 100,540                              | 29                      | 22                                     | 25                      | 5                         | 44                      | 85                            | 61                      | 588                  | 14                      |
| 127,027                              | 24                      | 16                                     | 30                      | 7                         | 32                      | 35                            | 103                     | 579                  | 15                      |
|                                      |                         | 26                                     | 22                      | 10                        | 25                      |                               |                         |                      |                         |
| 148,460                              | 21                      | 24                                     | 24                      | 9                         | 29                      | 73                            | 64                      | 347                  | 23                      |
| 37,562                               | 68                      | 46                                     | 16                      | 7                         | 32                      | 17                            | 165                     | 309                  | 24                      |
| 13,263                               | 161                     | 3                                      | 47                      | 1                         | 96                      | 40                            | 96                      | 133                  | 38                      |
| 31,469                               | 75                      | 3                                      | 47                      | 1                         | 96                      | 24                            | 129                     | 145                  | 36                      |
|                                      |                         | 3                                      | 47                      | 2                         | 67                      |                               |                         | 107                  | 41                      |
|                                      |                         | 4                                      | 44                      | 2                         | 128                     | 8                             | 213                     |                      |                         |
|                                      |                         | 2                                      | 56                      | 0                         | 219                     | 12                            | 183                     | 36                   | 53                      |

| Support                              |                         | Faculty                                |                         |                           |                         | Advanced Training             |                         |                      |                         |
|--------------------------------------|-------------------------|----------------------------------------|-------------------------|---------------------------|-------------------------|-------------------------------|-------------------------|----------------------|-------------------------|
| 2013<br>Annual<br>Giving<br>x \$1000 | 2013<br>Control<br>Rank | 2013<br>National<br>Academy<br>Members | 2013<br>Control<br>Rank | 2013<br>Faculty<br>Awards | 2013<br>Control<br>Rank | 2013<br>Doctorates<br>Granted | 2013<br>Control<br>Rank | 2012<br>Post<br>Docs | 2012<br>Control<br>Rank |
| 385,745                              | 2                       | 129                                    | 2                       | 40                        | 2                       | 136                           | 91                      | 1,066                | 5                       |
| 104,866                              | 41                      | 38                                     | 13                      | 15                        | 20                      | 89                            | 117                     | 572                  | 17                      |
| 212,506                              | 14                      | 9                                      | 37                      | 1                         | 168                     |                               |                         | 621                  | 14                      |
| 121,027                              | 31                      | 9                                      | 37                      | 7                         | 57                      | 41                            | 167                     | 303                  | 38                      |
| 109,647                              | 36                      | 9                                      | 37                      | 6                         | 64                      | 81                            | 124                     | 350                  | 28                      |
| 10,158                               | 175                     | 5                                      | 59                      | 13                        | 27                      | 52                            | 149                     | 324                  | 31                      |
| 39,323                               | 83                      | 3                                      | 69                      | 1                         | 168                     | 117                           | 100                     | 224                  | 48                      |
| 43,841                               | 82                      | 3                                      | 69                      | 1                         | 168                     | 137                           | 90                      | 186                  | 57                      |



## Part II – The Center for Measuring University Performance – Research Universities

*The Center for Measuring University Performance's* research universities consist of academic institutions that had more than \$40 million in federal research expenditures in fiscal year 2012. In the following tables, institutions are listed alphabetically with the most current data available on each measure and their rank on each measure for each year. *The Center for Measuring University Performance* provides both the national rank (rank among all universities) and the control rank (rank within private or public universities). We include five years of data for each measure, which correspond to the same data years used in each of the five prior *The Top American Research Universities* reports. In addition to the nine performance variables presented in Part I tables, these tables also include other institutional characteristics related to student enrollment, medical schools, land grant status, ownership, research focus, and National Merit and Achievement Scholars. The Source Notes section of this report provides detailed information on each data element. Tables in this section include the following:

- **Total Research Expenditures** (2008-2012)
- **Federal Research Expenditures** (2008-2012)
- **Research by Major Discipline** (2012)
- **Endowment Assets** (2009-2013)
- **Annual Giving** (2009-2013)
- **National Academy Membership** (2009-2013)
- **Faculty Awards** (2009-2013)
- **Doctorates Awarded** (2009-2013)
- **Postdoctoral Appointees** (2008-2012)
- **SAT Scores** (2008-2012)
- **National Merit and Achievement Scholars** (2009-2013)
- **Change: Research** presents trend data on total, federal, and non-federal research (2003 and 2012) in constant dollars.
- **Change: Private Support and Doctorates** provides trend data on endowment assets (2004 and 2013) and annual giving (2004 and 2013) in constant dollars, and doctorates awarded (2004 and 2013).
- **Change: Students** includes trend data on median SAT scores (2003 and 2012), National Merit and Achievement Scholars (2004 and 2013), and student headcount enrollment (2003 and 2012).
- **Institutional Characteristics** includes state location, highest degree offered, medical school and land grant status, federal research focus (summary of federal research by discipline), and total student enrollment.
- **Student Characteristics** provides headcount enrollment data broken out by level (i.e., undergraduate and graduate), part-time enrollment by level, and degrees awarded.
- **The Center for Measuring University Performance** measures presents the number of times a university ranks in the top 25 (or 26-50) on the nine quality measures in this year's report as compared to the past five years (i.e., 2009-2014 reports).

Data found in these tables may not always match the figures published by the original source. *The Center for Measuring University Performance* makes adjustments, when necessary, to ensure that the data reflect the activity at a single campus rather than that of a multiple-campus institution or state university system. When data are missing from the original source, *The Center for Measuring University Performance* may substitute another figure, if available. A full discussion of this subject, and the various adjustments or substitutions made to the original data, is in the Data Notes section of this report.

The prior years' data or ranks may differ slightly from our last report due to revised figures or estimates from the data source or institution.

*The Center for Measuring University Performance's* website [<http://mup.asu.edu>] provides these same tables in Microsoft Excel spreadsheets for ease of analysis. In addition to the over-\$40-million group, the online tables contain data on all institutions reporting any federal research in the past five years.

## The Top American Research Universities

| Total Research                                                          |                                       |                                       |                          |                         |                                       |                          |                         |
|-------------------------------------------------------------------------|---------------------------------------|---------------------------------------|--------------------------|-------------------------|---------------------------------------|--------------------------|-------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                       | 2012<br>Total<br>Research<br>x \$1000 | 2012<br>National<br>Rank | 2012<br>Control<br>Rank | 2011<br>Total<br>Research<br>x \$1000 | 2011<br>National<br>Rank | 2011<br>Control<br>Rank |
| Public                                                                  | Arizona State University              | 344,611                               | 62                       | 39                      | 323,567                               | 65                       | 42                      |
| Public                                                                  | Auburn University                     | 130,222                               | 125                      | 86                      | 161,785                               | 109                      | 73                      |
| Private                                                                 | Baylor College of Medicine            | 474,700                               | 36                       | 14                      | 466,061                               | 38                       | 15                      |
| Private                                                                 | Boston University                     | 330,247                               | 66                       | 24                      | 348,593                               | 60                       | 23                      |
| Private                                                                 | Brandeis University                   | 69,489                                | 170                      | 48                      | 71,638                                | 168                      | 48                      |
| Private                                                                 | Brown University                      | 234,906                               | 86                       | 30                      | 223,455                               | 85                       | 30                      |
| Private                                                                 | California Institute of Technology    | 374,075                               | 57                       | 22                      | 374,636                               | 53                       | 21                      |
| Private                                                                 | Carnegie Mellon University            | 254,992                               | 79                       | 29                      | 240,956                               | 81                       | 29                      |
| Private                                                                 | Case Western Reserve University       | 430,246                               | 43                       | 16                      | 428,206                               | 43                       | 17                      |
| Public                                                                  | Clemson University                    | 110,493                               | 137                      | 96                      | 135,681                               | 121                      | 83                      |
| Public                                                                  | Cleveland State University            | 60,481                                | 182                      | 134                     | 55,044                                | 191                      | 142                     |
| Private                                                                 | Cold Springs Harbor Laboratory        | 84,072                                | 152                      | 45                      | 95,984                                | 146                      | 43                      |
| Public                                                                  | Colorado State Univ. - Fort Collins   | 335,336                               | 65                       | 42                      | 321,130                               | 67                       | 43                      |
| Private                                                                 | Columbia University                   | 847,809                               | 11                       | 4                       | 841,173                               | 12                       | 5                       |
| Private                                                                 | Cornell University                    | 507,012                               | 34                       | 13                      | 514,843                               | 35                       | 14                      |
| Private                                                                 | Dartmouth College                     | 195,251                               | 97                       | 34                      | 210,274                               | 93                       | 32                      |
| Private                                                                 | Drexel University                     | 112,390                               | 135                      | 41                      | 109,729                               | 137                      | 40                      |
| Private                                                                 | Duke University                       | 1,004,759                             | 7                        | 2                       | 1,018,241                             | 5                        | 2                       |
| Private                                                                 | Emory University                      | 474,537                               | 37                       | 15                      | 522,900                               | 32                       | 13                      |
| Public                                                                  | Florida International University      | 83,639                                | 154                      | 109                     | 97,804                                | 144                      | 102                     |
| Public                                                                  | Florida State University              | 208,005                               | 93                       | 62                      | 216,869                               | 90                       | 60                      |
| Public                                                                  | George Mason University               | 79,913                                | 160                      | 114                     | 80,284                                | 161                      | 115                     |
| Private                                                                 | George Washington University          | 187,652                               | 98                       | 35                      | 189,427                               | 100                      | 35                      |
| Private                                                                 | Georgetown University                 | 171,829                               | 105                      | 36                      | 164,301                               | 106                      | 36                      |
| Public                                                                  | Georgia Health Sciences University    | 70,526                                | 169                      | 122                     | 73,486                                | 166                      | 119                     |
| Public                                                                  | Georgia Institute of Technology       | 683,894                               | 23                       | 15                      | 650,588                               | 25                       | 17                      |
| Private                                                                 | Harvard University                    | 753,973                               | 16                       | 7                       | 623,116                               | 26                       | 9                       |
| Private                                                                 | Icahn School of Med. at Mount Sinai   | 400,680                               | 51                       | 19                      | 363,091                               | 59                       | 22                      |
| Public                                                                  | Indiana University - Bloomington      | 151,240                               | 117                      | 79                      | 160,038                               | 111                      | 75                      |
| Public                                                                  | Indiana U. - Purdue U. - Indianapolis | 308,101                               | 69                       | 45                      | 314,004                               | 69                       | 45                      |
| Public                                                                  | Iowa State University                 | 252,675                               | 80                       | 51                      | 261,016                               | 77                       | 50                      |
| Private                                                                 | Johns Hopkins University              | 2,092,999                             | 1                        | 1                       | 2,135,547                             | 1                        | 1                       |
| Public                                                                  | Kansas State University               | 169,863                               | 106                      | 70                      | 163,494                               | 107                      | 71                      |
| Public                                                                  | Louisiana State Univ. - Baton Rouge   | 279,019                               | 75                       | 48                      | 281,221                               | 72                       | 47                      |
| Public                                                                  | Louisiana St. U. HSC - New Orleans    | 53,712                                | 190                      | 141                     | 57,007                                | 183                      | 135                     |
| Private                                                                 | Massachusetts Inst. of Technology     | 770,367                               | 15                       | 6                       | 693,714                               | 18                       | 7                       |
| Private                                                                 | Medical College of Wisconsin          | 209,040                               | 92                       | 31                      | 215,358                               | 91                       | 31                      |
| Public                                                                  | Medical University of South Carolina  | 236,586                               | 83                       | 54                      | 213,346                               | 92                       | 61                      |
| Public                                                                  | Michigan State University             | 471,620                               | 38                       | 23                      | 423,766                               | 45                       | 27                      |
| Public                                                                  | Mississippi State University          | 222,320                               | 88                       | 58                      | 217,793                               | 88                       | 58                      |
| Public                                                                  | Montana State University - Bozeman    | 113,235                               | 134                      | 94                      | 114,244                               | 134                      | 95                      |
| Public                                                                  | Naval Postgraduate School             | 124,531                               | 129                      | 90                      | 95,153                                | 147                      | 104                     |
| Public                                                                  | New Jersey Institute of Technology    | 91,407                                | 149                      | 105                     | 89,250                                | 151                      | 108                     |
| Public                                                                  | New Mexico State Univ. - Las Cruces   | 135,214                               | 123                      | 84                      | 137,301                               | 120                      | 82                      |
| Private                                                                 | New York University                   | 425,043                               | 45                       | 17                      | 402,327                               | 50                       | 19                      |
| Public                                                                  | North Carolina State University       | 400,046                               | 52                       | 33                      | 374,446                               | 54                       | 33                      |
| Public                                                                  | North Dakota State University         | 133,874                               | 124                      | 85                      | 132,717                               | 123                      | 85                      |
| Private                                                                 | Northeastern University               | 102,911                               | 140                      | 42                      | 81,230                                | 158                      | 46                      |
| Private                                                                 | Northwestern University               | 602,451                               | 28                       | 10                      | 595,202                               | 28                       | 10                      |

## The Top American Research Universities

| 2010<br>Total<br>Research<br>x \$1000 | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>Total<br>Research<br>x \$1000 | 2009<br>National<br>Rank | 2009<br>Control<br>Rank | 2008<br>Total<br>Research<br>x \$1000 | 2008<br>National<br>Rank | 2008<br>Control<br>Rank |
|---------------------------------------|--------------------------|-------------------------|---------------------------------------|--------------------------|-------------------------|---------------------------------------|--------------------------|-------------------------|
| 296,458                               | 67                       | 43                      | 281,588                               | 70                       | 48                      | 259,503                               | 69                       | 47                      |
| 143,874                               | 117                      | 79                      | 143,654                               | 114                      | 77                      | 146,984                               | 109                      | 73                      |
| 447,874                               | 37                       | 15                      | 449,031                               | 35                       | 14                      | 449,301                               | 33                       | 13                      |
| 344,687                               | 58                       | 22                      | 280,814                               | 71                       | 23                      | 255,022                               | 71                       | 23                      |
| 67,672                                | 169                      | 48                      | 62,228                                | 172                      | 46                      | 49,797                                | 181                      | 48                      |
| 201,116                               | 93                       | 30                      | 161,650                               | 102                      | 33                      | 157,670                               | 101                      | 33                      |
| 359,245                               | 52                       | 21                      | 342,455                               | 52                       | 20                      | 272,881                               | 63                       | 22                      |
| 221,376                               | 85                       | 29                      | 217,667                               | 82                       | 26                      | 210,619                               | 82                       | 26                      |
| 417,805                               | 42                       | 17                      | 415,539                               | 38                       | 16                      | 416,077                               | 37                       | 16                      |
| 144,562                               | 116                      | 78                      | 186,383                               | 99                       | 68                      | 195,195                               | 90                       | 61                      |
| 33,857                                | 219                      | 164                     | 13,424                                | 275                      | 202                     | 14,131                                | 274                      | 200                     |
|                                       |                          |                         |                                       |                          |                         |                                       |                          |                         |
| 291,621                               | 68                       | 44                      | 304,397                               | 64                       | 42                      | 295,235                               | 58                       | 37                      |
| 770,888                               | 12                       | 5                       | 589,575                               | 22                       | 7                       | 548,704                               | 22                       | 7                       |
| 486,150                               | 33                       | 13                      | 468,835                               | 31                       | 11                      | 458,763                               | 31                       | 11                      |
| 193,608                               | 94                       | 31                      | 189,351                               | 97                       | 31                      | 186,938                               | 94                       | 31                      |
| 115,458                               | 130                      | 39                      | 102,366                               | 133                      | 38                      | 100,911                               | 135                      | 39                      |
| 980,514                               | 4                        | 2                       | 805,021                               | 7                        | 2                       | 766,906                               | 7                        | 2                       |
| 498,309                               | 31                       | 12                      | 449,419                               | 34                       | 13                      | 441,222                               | 34                       | 14                      |
| 92,250                                | 147                      | 105                     | 91,278                                | 145                      | 102                     | 95,706                                | 139                      | 98                      |
| 208,834                               | 89                       | 60                      | 195,244                               | 93                       | 64                      | 182,314                               | 95                       | 64                      |
| 77,966                                | 158                      | 114                     | 78,487                                | 156                      | 112                     | 72,542                                | 159                      | 114                     |
| 189,113                               | 98                       | 34                      | 99,945                                | 137                      | 40                      | 157,145                               | 102                      | 34                      |
| 155,538                               | 106                      | 36                      | 147,441                               | 110                      | 37                      | 142,623                               | 111                      | 37                      |
| 72,015                                | 167                      | 120                     | 65,473                                | 171                      | 126                     | 57,085                                | 176                      | 130                     |
| 611,226                               | 24                       | 16                      | 561,631                               | 26                       | 19                      | 522,136                               | 25                       | 18                      |
| 561,703                               | 28                       | 10                      | 462,193                               | 32                       | 12                      | 453,028                               | 32                       | 12                      |
| 370,666                               | 51                       | 20                      | 318,407                               | 60                       | 21                      | 296,380                               | 57                       | 21                      |
| 156,996                               | 105                      | 70                      | 156,966                               | 104                      | 70                      | 150,788                               | 105                      | 70                      |
| 290,490                               | 69                       | 45                      | 283,849                               | 69                       | 47                      | 261,151                               | 67                       | 45                      |
| 243,890                               | 77                       | 50                      | 224,311                               | 79                       | 54                      | 224,368                               | 80                       | 55                      |
| 1,997,252                             | 1                        | 1                       | 1,856,270                             | 1                        | 1                       | 1,680,927                             | 1                        | 1                       |
| 154,888                               | 107                      | 71                      | 146,310                               | 112                      | 75                      | 137,543                               | 115                      | 77                      |
| 280,432                               | 71                       | 47                      | 285,699                               | 67                       | 45                      | 273,001                               | 62                       | 41                      |
| 59,776                                | 178                      | 130                     | 58,237                                | 178                      | 131                     | 59,473                                | 169                      | 123                     |
| 646,222                               | 21                       | 7                       | 736,102                               | 10                       | 3                       | 659,626                               | 13                       | 5                       |
| 191,816                               | 97                       | 33                      | 176,237                               | 101                      | 32                      | 165,529                               | 100                      | 32                      |
| 224,632                               | 83                       | 55                      | 216,778                               | 85                       | 59                      | 189,369                               | 92                       | 62                      |
| 399,358                               | 45                       | 27                      | 373,184                               | 47                       | 28                      | 356,767                               | 47                       | 28                      |
| 223,032                               | 84                       | 56                      | 216,936                               | 84                       | 58                      | 210,951                               | 81                       | 56                      |
| 124,227                               | 126                      | 88                      | 115,045                               | 126                      | 89                      | 120,155                               | 122                      | 84                      |
| 96,067                                | 143                      | 101                     | 76,860                                | 160                      | 115                     | 83,314                                | 147                      | 105                     |
| 81,240                                | 157                      | 113                     | 92,891                                | 144                      | 101                     | 89,792                                | 142                      | 101                     |
| 146,364                               | 115                      | 77                      | 149,798                               | 108                      | 73                      | 138,427                               | 114                      | 76                      |
| 343,762                               | 59                       | 23                      | 308,834                               | 63                       | 22                      | 310,699                               | 54                       | 20                      |
| 357,802                               | 53                       | 32                      | 380,571                               | 44                       | 26                      | 366,137                               | 44                       | 27                      |
| 125,294                               | 125                      | 87                      | 113,214                               | 128                      | 91                      | 115,513                               | 125                      | 87                      |
| 74,998                                | 163                      | 46                      | 61,309                                | 173                      | 47                      | 59,911                                | 167                      | 46                      |
| 554,228                               | 29                       | 11                      | 515,229                               | 28                       | 9                       | 483,881                               | 30                       | 10                      |

## The Top American Research Universities

| Total Research                                                          |                                        |                                       |                          |                         |                                       |                          |                         |
|-------------------------------------------------------------------------|----------------------------------------|---------------------------------------|--------------------------|-------------------------|---------------------------------------|--------------------------|-------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                        | 2012<br>Total<br>Research<br>x \$1000 | 2012<br>National<br>Rank | 2012<br>Control<br>Rank | 2011<br>Total<br>Research<br>x \$1000 | 2011<br>National<br>Rank | 2011<br>Control<br>Rank |
| Public                                                                  | Ohio State University - Columbus       | 720,082                               | 17                       | 10                      | 794,023                               | 14                       | 9                       |
| Public                                                                  | Oklahoma State Univ. - Stillwater      | 166,523                               | 107                      | 71                      | 162,786                               | 108                      | 72                      |
| Public                                                                  | Oregon Health & Science University     | 305,360                               | 70                       | 46                      | 334,324                               | 63                       | 40                      |
| Public                                                                  | Oregon State University                | 239,571                               | 81                       | 52                      | 227,752                               | 84                       | 55                      |
| Public                                                                  | Penn. St. Univ. - Hershey Med. Ctr.    | 84,338                                | 151                      | 107                     | 99,863                                | 141                      | 99                      |
| Public                                                                  | Pennsylvania State Univ. - Univ. Park  | 699,556                               | 19                       | 12                      | 677,082                               | 21                       | 14                      |
| Private                                                                 | Princeton University                   | 264,980                               | 77                       | 28                      | 255,483                               | 78                       | 28                      |
| Public                                                                  | Purdue University - West Lafayette     | 528,140                               | 33                       | 21                      | 520,001                               | 34                       | 21                      |
| Private                                                                 | Rensselaer Polytechnic Institute       | 92,348                                | 147                      | 44                      | 84,346                                | 156                      | 45                      |
| Private                                                                 | Rice University                        | 115,235                               | 133                      | 40                      | 109,197                               | 138                      | 41                      |
| Private                                                                 | Rockefeller University                 | 292,896                               | 71                       | 25                      | 272,491                               | 73                       | 26                      |
| Private                                                                 | Rush University                        | 80,300                                | 159                      | 46                      | 79,212                                | 162                      | 47                      |
| Public                                                                  | Rutgers University - New Brunswick     | 420,737                               | 47                       | 30                      | 415,502                               | 47                       | 29                      |
| Public                                                                  | San Diego State University             | 75,670                                | 165                      | 118                     | 91,789                                | 149                      | 106                     |
| Private                                                                 | Scripps Research Institute             | 398,673                               | 53                       | 20                      | 400,768                               | 51                       | 20                      |
| Public                                                                  | South Dakota State University          | 68,554                                | 171                      | 123                     | 69,646                                | 172                      | 124                     |
| Private                                                                 | Stanford University                    | 854,580                               | 10                       | 3                       | 868,393                               | 10                       | 3                       |
| Public                                                                  | Stony Brook University                 | 218,209                               | 90                       | 60                      | 206,207                               | 95                       | 62                      |
| Public                                                                  | Temple University                      | 126,288                               | 128                      | 89                      | 117,131                               | 132                      | 93                      |
| Public                                                                  | Texas A&M Univ. - College Station      | 669,968                               | 24                       | 16                      | 682,553                               | 20                       | 13                      |
| Private                                                                 | Thomas Jefferson University            | 100,506                               | 144                      | 43                      | 104,923                               | 139                      | 42                      |
| Private                                                                 | Tufts University                       | 159,140                               | 112                      | 37                      | 154,760                               | 114                      | 37                      |
| Private                                                                 | Tulane University                      | 154,196                               | 114                      | 38                      | 154,530                               | 115                      | 38                      |
| Public                                                                  | Uniformed Services Univ. of the HS     | 151,392                               | 116                      | 78                      | 175,365                               | 103                      | 68                      |
| Public                                                                  | University at Albany                   | 135,673                               | 122                      | 83                      | 146,987                               | 119                      | 81                      |
| Public                                                                  | University at Buffalo                  | 340,930                               | 63                       | 40                      | 337,783                               | 62                       | 39                      |
| Public                                                                  | University of Alabama - Birmingham     | 449,108                               | 39                       | 24                      | 497,680                               | 36                       | 22                      |
| Public                                                                  | University of Alabama - Huntsville     | 83,076                                | 157                      | 112                     | 72,988                                | 167                      | 120                     |
| Public                                                                  | University of Alaska - Fairbanks       | 121,640                               | 130                      | 91                      | 132,608                               | 124                      | 86                      |
| Public                                                                  | University of Arizona                  | 615,434                               | 27                       | 18                      | 597,988                               | 27                       | 18                      |
| Public                                                                  | University of Arkansas for Med. Sci.   | 129,056                               | 127                      | 88                      | 122,066                               | 129                      | 91                      |
| Public                                                                  | University of California - Berkeley    | 696,904                               | 20                       | 13                      | 670,926                               | 22                       | 15                      |
| Public                                                                  | University of California - Davis       | 704,999                               | 18                       | 11                      | 698,193                               | 17                       | 11                      |
| Public                                                                  | University of California - Irvine      | 335,874                               | 64                       | 41                      | 328,870                               | 64                       | 41                      |
| Public                                                                  | University of California - Los Angeles | 969,682                               | 8                        | 6                       | 942,450                               | 8                        | 6                       |
| Public                                                                  | University of California - Riverside   | 129,609                               | 126                      | 87                      | 125,902                               | 128                      | 90                      |
| Public                                                                  | University of California - San Diego   | 1,065,306                             | 4                        | 3                       | 1,003,584                             | 6                        | 4                       |
| Public                                                                  | Univ. of California - San Francisco    | 1,032,673                             | 5                        | 4                       | 995,226                               | 7                        | 5                       |
| Public                                                                  | Univ. of California - Santa Barbara    | 222,916                               | 87                       | 57                      | 217,877                               | 87                       | 57                      |
| Public                                                                  | University of California - Santa Cruz  | 149,824                               | 118                      | 80                      | 149,702                               | 117                      | 79                      |
| Public                                                                  | University of Central Florida          | 102,562                               | 141                      | 99                      | 97,309                                | 145                      | 103                     |
| Private                                                                 | University of Chicago                  | 411,864                               | 49                       | 18                      | 446,512                               | 39                       | 16                      |
| Public                                                                  | University of Cincinnati - Cincinnati  | 408,294                               | 50                       | 32                      | 419,456                               | 46                       | 28                      |
| Public                                                                  | University of Colorado - Boulder       | 373,512                               | 58                       | 36                      | 372,034                               | 56                       | 35                      |
| Public                                                                  | University of Colorado - Denver        | 422,844                               | 46                       | 29                      | 407,517                               | 49                       | 31                      |
| Public                                                                  | Univ. of Connecticut - Health Center   | 102,530                               | 142                      | 100                     | 98,638                                | 142                      | 100                     |
| Public                                                                  | University of Connecticut - Storrs     | 147,938                               | 119                      | 81                      | 148,614                               | 118                      | 80                      |
| Private                                                                 | University of Dayton                   | 79,877                                | 161                      | 47                      | 89,037                                | 152                      | 44                      |
| Public                                                                  | University of Delaware                 | 161,327                               | 111                      | 75                      | 160,503                               | 110                      | 74                      |

## The Top American Research Universities

| 2010<br>Total<br>Research<br>x \$1000 | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>Total<br>Research<br>x \$1000 | 2009<br>National<br>Rank | 2009<br>Control<br>Rank | 2008<br>Total<br>Research<br>x \$1000 | 2008<br>National<br>Rank | 2008<br>Control<br>Rank |
|---------------------------------------|--------------------------|-------------------------|---------------------------------------|--------------------------|-------------------------|---------------------------------------|--------------------------|-------------------------|
| 719,574                               | 15                       | 10                      | 716,461                               | 12                       | 8                       | 702,592                               | 10                       | 7                       |
| 147,094                               | 113                      | 75                      | 120,445                               | 124                      | 87                      | 121,226                               | 120                      | 82                      |
| 314,990                               | 63                       | 40                      | 309,675                               | 61                       | 40                      | 301,396                               | 55                       | 35                      |
| 215,400                               | 88                       | 59                      | 209,061                               | 87                       | 61                      | 188,056                               | 93                       | 63                      |
| 87,278                                | 149                      | 106                     | 90,154                                | 146                      | 103                     | 80,698                                | 150                      | 107                     |
| 674,763                               | 17                       | 11                      | 663,204                               | 15                       | 10                      | 620,432                               | 15                       | 10                      |
| 231,862                               | 80                       | 28                      | 200,580                               | 92                       | 29                      | 194,757                               | 91                       | 30                      |
| 477,145                               | 36                       | 22                      | 453,799                               | 33                       | 21                      | 429,988                               | 35                       | 21                      |
| 83,601                                | 152                      | 44                      | 77,890                                | 158                      | 45                      | 77,295                                | 155                      | 44                      |
| 97,288                                | 142                      | 42                      | 78,745                                | 155                      | 44                      | 74,254                                | 157                      | 45                      |
| 265,750                               | 74                       | 26                      | 252,478                               | 74                       | 24                      | 247,505                               | 75                       | 24                      |
| 73,398                                | 164                      | 47                      | 96,975                                | 140                      | 42                      | 89,513                                | 143                      | 42                      |
| 407,170                               | 44                       | 26                      | 320,416                               | 59                       | 39                      | 297,694                               | 56                       | 36                      |
| 95,064                                | 145                      | 103                     | 79,190                                | 154                      | 111                     | 69,974                                | 160                      | 115                     |
| 387,298                               | 48                       | 19                      | 382,275                               | 43                       | 18                      | 366,047                               | 45                       | 18                      |
| 67,269                                | 170                      | 122                     | 55,334                                | 181                      | 133                     | 47,758                                | 186                      | 137                     |
| 810,300                               | 9                        | 3                       | 704,183                               | 13                       | 5                       | 688,225                               | 11                       | 4                       |
| 201,846                               | 92                       | 63                      | 258,098                               | 73                       | 50                      | 252,745                               | 73                       | 50                      |
| 115,543                               | 129                      | 91                      | 101,864                               | 134                      | 96                      | 92,486                                | 141                      | 100                     |
| 666,516                               | 19                       | 13                      | 630,655                               | 18                       | 13                      | 582,365                               | 19                       | 14                      |
| 103,064                               | 140                      | 41                      | 101,188                               | 135                      | 39                      | 99,275                                | 137                      | 40                      |
| 153,113                               | 108                      | 37                      | 147,903                               | 109                      | 36                      | 139,528                               | 113                      | 38                      |
| 151,686                               | 109                      | 38                      | 155,139                               | 106                      | 35                      | 153,242                               | 103                      | 35                      |
| 134,126                               | 120                      | 82                      | 192,268                               | 96                       | 66                      | 106,179                               | 131                      | 93                      |
| 356,517                               | 54                       | 33                      | 340,259                               | 54                       | 34                      | 270,414                               | 65                       | 43                      |
| 337,976                               | 60                       | 37                      | 338,283                               | 55                       | 35                      | 329,720                               | 52                       | 33                      |
| 483,862                               | 34                       | 21                      | 431,732                               | 36                       | 22                      | 404,615                               | 38                       | 22                      |
| 73,266                                | 165                      | 118                     | 71,365                                | 165                      | 120                     | 65,396                                | 165                      | 120                     |
| 127,808                               | 124                      | 86                      | 123,420                               | 122                      | 85                      | 121,067                               | 121                      | 83                      |
| 577,958                               | 26                       | 18                      | 565,292                               | 24                       | 17                      | 545,869                               | 23                       | 16                      |
| 119,518                               | 128                      | 90                      | 106,314                               | 131                      | 94                      | 117,440                               | 123                      | 85                      |
| 659,572                               | 20                       | 14                      | 652,474                               | 16                       | 11                      | 591,770                               | 17                       | 12                      |
| 669,282                               | 18                       | 12                      | 681,618                               | 14                       | 9                       | 642,519                               | 14                       | 9                       |
| 311,105                               | 65                       | 41                      | 325,493                               | 58                       | 38                      | 324,552                               | 53                       | 34                      |
| 899,677                               | 8                        | 6                       | 889,995                               | 5                        | 4                       | 871,478                               | 5                        | 4                       |
| 121,541                               | 127                      | 89                      | 130,187                               | 119                      | 82                      | 129,605                               | 118                      | 80                      |
| 937,982                               | 6                        | 4                       | 879,357                               | 6                        | 5                       | 842,027                               | 6                        | 5                       |
| 935,509                               | 7                        | 5                       | 947,697                               | 4                        | 3                       | 885,182                               | 2                        | 1                       |
| 217,952                               | 87                       | 58                      | 215,728                               | 86                       | 60                      | 203,719                               | 83                       | 57                      |
| 136,964                               | 119                      | 81                      | 144,052                               | 113                      | 76                      | 135,261                               | 116                      | 78                      |
| 108,662                               | 131                      | 92                      | 113,433                               | 127                      | 90                      | 108,067                               | 130                      | 92                      |
| 432,943                               | 40                       | 16                      | 377,652                               | 45                       | 19                      | 357,278                               | 46                       | 19                      |
| 393,518                               | 47                       | 29                      | 356,752                               | 49                       | 30                      | 344,046                               | 49                       | 30                      |
| 335,983                               | 61                       | 38                      | 288,388                               | 66                       | 44                      | 261,123                               | 68                       | 46                      |
| 376,917                               | 49                       | 30                      | 352,902                               | 50                       | 31                      | 266,525                               | 66                       | 44                      |
| 99,066                                | 141                      | 100                     | 94,554                                | 141                      | 99                      | 115,773                               | 124                      | 86                      |
| 131,321                               | 122                      | 84                      | 130,663                               | 118                      | 81                      | 110,131                               | 129                      | 91                      |
| 91,943                                | 148                      | 43                      | 93,496                                | 143                      | 43                      | 81,275                                | 149                      | 43                      |
| 147,204                               | 112                      | 74                      | 124,475                               | 120                      | 83                      | 125,179                               | 119                      | 81                      |

## The Top American Research Universities

| Total Research                                                          |                                       |                                       |                          |                         |                                       |                          |                         |
|-------------------------------------------------------------------------|---------------------------------------|---------------------------------------|--------------------------|-------------------------|---------------------------------------|--------------------------|-------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                       | 2012<br>Total<br>Research<br>x \$1000 | 2012<br>National<br>Rank | 2012<br>Control<br>Rank | 2011<br>Total<br>Research<br>x \$1000 | 2011<br>National<br>Rank | 2011<br>Control<br>Rank |
| Public                                                                  | University of Florida                 | 649,988                               | 26                       | 17                      | 686,048                               | 19                       | 12                      |
| Public                                                                  | University of Georgia                 | 311,498                               | 68                       | 44                      | 239,594                               | 82                       | 53                      |
| Public                                                                  | University of Hawaii - Manoa          | 312,311                               | 67                       | 43                      | 318,316                               | 68                       | 44                      |
| Public                                                                  | University of Houston - Univ. Park    | 105,844                               | 138                      | 97                      | 98,231                                | 143                      | 101                     |
| Public                                                                  | University of Idaho                   | 95,327                                | 146                      | 103                     | 94,345                                | 148                      | 105                     |
| Public                                                                  | University of Illinois - Chicago      | 381,918                               | 56                       | 35                      | 373,750                               | 55                       | 34                      |
| Public                                                                  | Univ. of Illinois - Urbana-Champaign  | 558,022                               | 30                       | 19                      | 522,769                               | 33                       | 20                      |
| Public                                                                  | University of Iowa                    | 432,980                               | 42                       | 27                      | 433,088                               | 41                       | 25                      |
| Public                                                                  | University of Kansas - Lawrence       | 172,615                               | 104                      | 69                      | 156,028                               | 113                      | 77                      |
| Public                                                                  | University of Kansas Medical Center   | 83,695                                | 153                      | 108                     | 118,139                               | 131                      | 92                      |
| Public                                                                  | University of Kentucky                | 354,132                               | 61                       | 38                      | 364,175                               | 57                       | 36                      |
| Public                                                                  | University of Louisville              | 165,319                               | 109                      | 73                      | 166,918                               | 105                      | 70                      |
| Public                                                                  | University of Maryland - Baltimore    | 414,754                               | 48                       | 31                      | 391,685                               | 52                       | 32                      |
| Public                                                                  | Univ. of Maryland - Baltimore County  | 65,628                                | 174                      | 126                     | 83,155                                | 157                      | 112                     |
| Public                                                                  | University of Maryland - College Park | 498,417                               | 35                       | 22                      | 485,078                               | 37                       | 23                      |
| Public                                                                  | Univ. of Massachusetts - Amherst      | 178,207                               | 103                      | 68                      | 176,545                               | 102                      | 67                      |
| Public                                                                  | Univ. of Mass. Med. Sch. - Worcester  | 256,090                               | 78                       | 50                      | 262,714                               | 75                       | 48                      |
| Public                                                                  | Univ. of Medicine & Dentistry of NJ   | 206,504                               | 94                       | 63                      | 234,354                               | 83                       | 54                      |
| Private                                                                 | University of Miami                   | 361,772                               | 60                       | 23                      | 321,830                               | 66                       | 24                      |
| Public                                                                  | University of Michigan - Ann Arbor    | 1,247,680                             | 2                        | 1                       | 1,212,990                             | 2                        | 1                       |
| Public                                                                  | University of Minnesota - Twin Cities | 806,832                               | 14                       | 9                       | 824,489                               | 13                       | 8                       |
| Public                                                                  | University of Missouri - Columbia     | 234,975                               | 85                       | 56                      | 130,269                               | 126                      | 88                      |
| Public                                                                  | University of Nebraska - Lincoln      | 238,471                               | 82                       | 53                      | 220,141                               | 86                       | 56                      |
| Public                                                                  | Univ. of Nebraska Medical Center      | 141,619                               | 121                      | 82                      | 133,036                               | 122                      | 84                      |
| Public                                                                  | University of Nevada - Reno           | 83,137                                | 155                      | 110                     | 86,372                                | 155                      | 111                     |
| Public                                                                  | Univ. of New Hampshire - Durham       | 152,276                               | 115                      | 77                      | 128,348                               | 127                      | 89                      |
| Public                                                                  | Univ. of New Mexico - Albuquerque     | 216,218                               | 91                       | 61                      | 217,206                               | 89                       | 59                      |
| Public                                                                  | Univ. of North Carolina - Chapel Hill | 864,748                               | 9                        | 7                       | 762,620                               | 15                       | 10                      |
| Public                                                                  | University of North Dakota            | 79,792                                | 162                      | 115                     | 74,636                                | 165                      | 118                     |
| Private                                                                 | University of Notre Dame              | 143,328                               | 120                      | 39                      | 121,466                               | 130                      | 39                      |
| Public                                                                  | University of Oklahoma - Norman       | 115,529                               | 132                      | 93                      | 87,260                                | 153                      | 109                     |
| Public                                                                  | University of Oklahoma HSC            | 101,648                               | 143                      | 101                     | 76,777                                | 163                      | 116                     |
| Public                                                                  | University of Oregon                  | 87,656                                | 150                      | 106                     | 87,161                                | 154                      | 110                     |
| Private                                                                 | University of Pennsylvania            | 813,210                               | 13                       | 5                       | 851,522                               | 11                       | 4                       |
| Public                                                                  | University of Pittsburgh - Pittsburgh | 839,793                               | 12                       | 8                       | 880,425                               | 9                        | 7                       |
| Public                                                                  | University of Rhode Island            | 97,845                                | 145                      | 102                     | 101,202                               | 140                      | 98                      |
| Private                                                                 | University of Rochester               | 388,401                               | 55                       | 21                      | 428,144                               | 44                       | 18                      |
| Public                                                                  | Univ. of South Carolina - Columbia    | 186,559                               | 99                       | 64                      | 196,820                               | 98                       | 64                      |
| Public                                                                  | University of South Florida - Tampa   | 394,694                               | 54                       | 34                      | 343,366                               | 61                       | 38                      |
| Private                                                                 | University of Southern California     | 593,003                               | 29                       | 11                      | 579,717                               | 29                       | 11                      |
| Public                                                                  | University of Tennessee - Knoxville   | 165,708                               | 108                      | 72                      | 151,814                               | 116                      | 78                      |
| Public                                                                  | University of Tennessee HSC           | 77,749                                | 164                      | 117                     | 81,216                                | 159                      | 113                     |
| Public                                                                  | University of Texas - Austin          | 549,312                               | 31                       | 20                      | 558,377                               | 30                       | 19                      |
| Public                                                                  | University of Texas HSC - Houston     | 236,250                               | 84                       | 55                      | 261,172                               | 76                       | 49                      |
| Public                                                                  | Univ. of Texas HSC - San Antonio      | 184,298                               | 100                      | 65                      | 198,655                               | 97                       | 63                      |
| Public                                                                  | U. of Texas MD Anderson Cancer Ctr.   | 685,814                               | 22                       | 14                      | 663,279                               | 23                       | 16                      |
| Public                                                                  | U. of Texas Med. Branch - Galveston   | 180,888                               | 101                      | 66                      | 193,555                               | 99                       | 65                      |
| Public                                                                  | U. of Texas SW Med. Ctr. - Dallas     | 435,085                               | 41                       | 26                      | 431,883                               | 42                       | 26                      |
| Public                                                                  | University of Utah                    | 425,558                               | 44                       | 28                      | 410,392                               | 48                       | 30                      |

## The Top American Research Universities

| 2010<br>Total<br>Research<br>x \$1000 | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>Total<br>Research<br>x \$1000 | 2009<br>National<br>Rank | 2009<br>Control<br>Rank | 2008<br>Total<br>Research<br>x \$1000 | 2008<br>National<br>Rank | 2008<br>Control<br>Rank |
|---------------------------------------|--------------------------|-------------------------|---------------------------------------|--------------------------|-------------------------|---------------------------------------|--------------------------|-------------------------|
| 636,607                               | 22                       | 15                      | 592,082                               | 21                       | 15                      | 584,170                               | 18                       | 13                      |
| 225,406                               | 82                       | 54                      | 349,730                               | 51                       | 32                      | 350,299                               | 48                       | 29                      |
| 303,085                               | 66                       | 42                      | 290,707                               | 65                       | 43                      | 271,835                               | 64                       | 42                      |
| 106,646                               | 132                      | 93                      | 99,262                                | 138                      | 98                      | 84,490                                | 146                      | 104                     |
| 85,475                                | 150                      | 107                     | 88,242                                | 147                      | 104                     | 81,532                                | 148                      | 106                     |
| 355,581                               | 56                       | 35                      | 341,655                               | 53                       | 33                      | 335,138                               | 51                       | 32                      |
| 493,386                               | 32                       | 20                      | 563,710                               | 25                       | 18                      | 501,279                               | 27                       | 19                      |
| 435,118                               | 39                       | 24                      | 329,901                               | 57                       | 37                      | 293,564                               | 59                       | 38                      |
| 148,879                               | 110                      | 72                      | 132,061                               | 117                      | 80                      | 130,365                               | 117                      | 79                      |
| 103,113                               | 139                      | 99                      | 93,795                                | 142                      | 100                     | 84,999                                | 145                      | 103                     |
| 350,857                               | 57                       | 36                      | 373,364                               | 46                       | 27                      | 336,669                               | 50                       | 31                      |
| 162,447                               | 104                      | 69                      | 146,874                               | 111                      | 74                      | 148,936                               | 107                      | 71                      |
| 355,910                               | 55                       | 34                      | 359,542                               | 48                       | 29                      | 379,407                               | 41                       | 25                      |
| 81,894                                | 155                      | 111                     | 75,571                                | 162                      | 117                     | 66,802                                | 163                      | 118                     |
| 440,556                               | 38                       | 23                      | 409,190                               | 39                       | 23                      | 395,037                               | 39                       | 23                      |
| 164,850                               | 103                      | 68                      | 156,216                               | 105                      | 71                      | 152,884                               | 104                      | 69                      |
| 232,039                               | 79                       | 52                      | 204,033                               | 88                       | 62                      | 178,614                               | 97                       | 66                      |
| 230,235                               | 81                       | 53                      | 223,796                               | 80                       | 55                      | 230,347                               | 78                       | 53                      |
| 278,664                               | 72                       | 25                      | 248,029                               | 76                       | 25                      | 241,775                               | 77                       | 25                      |
| 1,128,686                             | 2                        | 1                       | 1,007,198                             | 2                        | 1                       | 876,390                               | 4                        | 3                       |
| 764,916                               | 13                       | 8                       | 740,980                               | 9                        | 7                       | 682,662                               | 12                       | 8                       |
| 133,120                               | 121                      | 83                      | 245,058                               | 77                       | 52                      | 244,639                               | 76                       | 52                      |
| 180,544                               | 101                      | 66                      | 235,492                               | 78                       | 53                      | 229,761                               | 79                       | 54                      |
| 138,219                               | 118                      | 80                      | 123,629                               | 121                      | 84                      | 112,887                               | 128                      | 90                      |
| 94,420                                | 146                      | 104                     | 106,378                               | 130                      | 93                      | 102,073                               | 134                      | 96                      |
| 103,801                               | 138                      | 98                      | 107,860                               | 129                      | 92                      | 113,877                               | 127                      | 89                      |
| 207,906                               | 90                       | 61                      | 201,769                               | 90                       | 63                      | 197,630                               | 86                       | 59                      |
| 746,828                               | 14                       | 9                       | 646,011                               | 17                       | 12                      | 525,843                               | 24                       | 17                      |
| 76,262                                | 161                      | 116                     | 71,656                                | 164                      | 119                     | 65,027                                | 166                      | 121                     |
| 104,288                               | 137                      | 40                      | 97,850                                | 139                      | 41                      | 97,171                                | 138                      | 41                      |
| 105,217                               | 135                      | 96                      | 78,200                                | 157                      | 113                     | 88,352                                | 144                      | 102                     |
| 95,970                                | 144                      | 102                     | 118,572                               | 125                      | 88                      | 103,718                               | 132                      | 94                      |
| 83,545                                | 153                      | 109                     | 75,869                                | 161                      | 116                     | 67,378                                | 161                      | 116                     |
| 793,523                               | 11                       | 4                       | 726,768                               | 11                       | 4                       | 708,244                               | 9                        | 3                       |
| 806,014                               | 10                       | 7                       | 623,347                               | 20                       | 14                      | 595,627                               | 16                       | 11                      |
| 84,523                                | 151                      | 108                     | 83,375                                | 149                      | 106                     | 77,457                                | 154                      | 111                     |
| 412,704                               | 43                       | 18                      | 395,358                               | 42                       | 17                      | 375,218                               | 42                       | 17                      |
| 218,771                               | 86                       | 57                      | 186,996                               | 98                       | 67                      | 172,378                               | 98                       | 67                      |
| 330,528                               | 62                       | 39                      | 309,456                               | 62                       | 41                      | 278,419                               | 60                       | 39                      |
| 574,366                               | 27                       | 9                       | 533,041                               | 27                       | 8                       | 519,543                               | 26                       | 8                       |
| 193,089                               | 95                       | 64                      | 194,258                               | 94                       | 65                      | 169,698                               | 99                       | 68                      |
| 81,900                                | 154                      | 110                     | 83,253                                | 150                      | 107                     | 72,727                                | 158                      | 113                     |
| 531,412                               | 30                       | 19                      | 506,369                               | 30                       | 20                      | 493,294                               | 28                       | 20                      |
| 240,772                               | 78                       | 51                      | 217,623                               | 83                       | 57                      | 197,252                               | 88                       | 60                      |
| 207,115                               | 91                       | 62                      | 221,535                               | 81                       | 56                      | 201,323                               | 84                       | 58                      |
| 599,529                               | 25                       | 17                      | 578,788                               | 23                       | 16                      | 558,503                               | 21                       | 15                      |
| 188,399                               | 99                       | 65                      | 184,845                               | 100                      | 69                      | 180,026                               | 96                       | 65                      |
| 419,220                               | 41                       | 25                      | 402,087                               | 40                       | 24                      | 390,349                               | 40                       | 24                      |
| 375,420                               | 50                       | 31                      | 331,137                               | 56                       | 36                      | 253,891                               | 72                       | 49                      |

| Total Research                                                          |                                          |                                       |                          |                         |                                       |                          |                         |
|-------------------------------------------------------------------------|------------------------------------------|---------------------------------------|--------------------------|-------------------------|---------------------------------------|--------------------------|-------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                          | 2012<br>Total<br>Research<br>x \$1000 | 2012<br>National<br>Rank | 2012<br>Control<br>Rank | 2011<br>Total<br>Research<br>x \$1000 | 2011<br>National<br>Rank | 2011<br>Control<br>Rank |
| Public                                                                  | University of Vermont                    | 115,569                               | 131                      | 92                      | 132,107                               | 125                      | 87                      |
| Public                                                                  | University of Virginia                   | 363,569                               | 59                       | 37                      | 287,259                               | 70                       | 46                      |
| Public                                                                  | University of Washington - Seattle       | 1,065,414                             | 3                        | 2                       | 1,112,526                             | 3                        | 2                       |
| Public                                                                  | University of Wisconsin - Madison        | 1,030,605                             | 6                        | 5                       | 1,022,723                             | 4                        | 3                       |
| Public                                                                  | University of Wyoming                    | 63,812                                | 177                      | 129                     | 55,320                                | 189                      | 140                     |
| Public                                                                  | Utah State University                    | 155,305                               | 113                      | 76                      | 172,563                               | 104                      | 69                      |
| Private                                                                 | Vanderbilt University                    | 533,878                               | 32                       | 12                      | 534,806                               | 31                       | 12                      |
| Public                                                                  | Virginia Commonwealth University         | 179,310                               | 102                      | 67                      | 185,566                               | 101                      | 66                      |
| Public                                                                  | Virginia Polytechnic Inst. and St. Univ. | 448,054                               | 40                       | 25                      | 445,302                               | 40                       | 24                      |
| Private                                                                 | Wake Forest University                   | 203,730                               | 96                       | 33                      | 208,460                               | 94                       | 33                      |
| Public                                                                  | Washington State Univ. - Pullman         | 288,693                               | 74                       | 47                      | 363,678                               | 58                       | 37                      |
| Private                                                                 | Washington University in St. Louis       | 689,035                               | 21                       | 8                       | 707,404                               | 16                       | 6                       |
| Public                                                                  | Wayne State University                   | 221,666                               | 89                       | 59                      | 252,620                               | 79                       | 51                      |
| Private                                                                 | Weill Cornell Medical College            | 292,782                               | 72                       | 26                      | 264,966                               | 74                       | 27                      |
| Public                                                                  | West Virginia University                 | 161,961                               | 110                      | 74                      | 159,206                               | 112                      | 76                      |
| Private                                                                 | Woods Hole Oceanographic Inst.           | 204,352                               | 95                       | 32                      | 198,775                               | 96                       | 34                      |
| Private                                                                 | Yale University                          | 654,824                               | 25                       | 9                       | 654,259                               | 24                       | 8                       |
| Private                                                                 | Yeshiva University                       | 289,027                               | 73                       | 27                      | 283,673                               | 71                       | 25                      |

| 2010<br>Total<br>Research<br>x \$1000 | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>Total<br>Research<br>x \$1000 | 2009<br>National<br>Rank | 2009<br>Control<br>Rank | 2008<br>Total<br>Research<br>x \$1000 | 2008<br>National<br>Rank | 2008<br>Control<br>Rank |
|---------------------------------------|--------------------------|-------------------------|---------------------------------------|--------------------------|-------------------------|---------------------------------------|--------------------------|-------------------------|
| 129,612                               | 123                      | 85                      | 122,558                               | 123                      | 86                      | 115,421                               | 126                      | 88                      |
| 271,843                               | 73                       | 48                      | 261,604                               | 72                       | 49                      | 257,651                               | 70                       | 48                      |
| 995,036                               | 3                        | 2                       | 778,046                               | 8                        | 6                       | 765,135                               | 8                        | 6                       |
| 940,286                               | 5                        | 3                       | 952,119                               | 3                        | 2                       | 881,777                               | 3                        | 2                       |
| 53,957                                | 183                      | 135                     | 77,633                                | 159                      | 114                     | 74,720                                | 156                      | 112                     |
| 147,612                               | 111                      | 73                      | 143,010                               | 115                      | 78                      | 146,128                               | 110                      | 74                      |
| 478,345                               | 35                       | 14                      | 431,673                               | 37                       | 15                      | 422,622                               | 36                       | 15                      |
| 176,422                               | 102                      | 67                      | 150,989                               | 107                      | 72                      | 148,655                               | 108                      | 72                      |
| 393,888                               | 46                       | 28                      | 396,681                               | 41                       | 25                      | 373,281                               | 43                       | 26                      |
| 192,034                               | 96                       | 32                      | 201,204                               | 91                       | 28                      | 199,915                               | 85                       | 27                      |
| 285,120                               | 70                       | 46                      | 285,595                               | 68                       | 46                      | 276,806                               | 61                       | 40                      |
| 693,749                               | 16                       | 6                       | 628,328                               | 19                       | 6                       | 563,967                               | 20                       | 6                       |
| 248,753                               | 76                       | 49                      | 251,854                               | 75                       | 51                      | 249,210                               | 74                       | 51                      |
| 261,049                               | 75                       | 27                      | 202,571                               | 89                       | 27                      | 195,233                               | 89                       | 29                      |
| 146,944                               | 114                      | 76                      | 139,592                               | 116                      | 79                      | 139,770                               | 112                      | 75                      |
| 181,746                               | 100                      | 35                      | 157,289                               | 103                      | 34                      | 150,720                               | 106                      | 36                      |
| 621,125                               | 23                       | 8                       | 509,452                               | 29                       | 10                      | 487,285                               | 29                       | 9                       |
| 314,240                               | 64                       | 24                      | 193,010                               | 95                       | 30                      | 197,311                               | 87                       | 28                      |

| Federal Research                                                        |                                       |                                         |                          |                         |                                         |                          |                         |
|-------------------------------------------------------------------------|---------------------------------------|-----------------------------------------|--------------------------|-------------------------|-----------------------------------------|--------------------------|-------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                       | 2012<br>Federal<br>Research<br>x \$1000 | 2012<br>National<br>Rank | 2012<br>Control<br>Rank | 2011<br>Federal<br>Research<br>x \$1000 | 2011<br>National<br>Rank | 2011<br>Control<br>Rank |
| Public                                                                  | Arizona State University - Tempe      | 182,188                                 | 68                       | 42                      | 178,153                                 | 68                       | 42                      |
| Public                                                                  | Auburn University                     | 55,118                                  | 149                      | 103                     | 59,061                                  | 146                      | 102                     |
| Private                                                                 | Baylor College of Medicine            | 268,753                                 | 47                       | 23                      | 295,529                                 | 43                       | 21                      |
| Private                                                                 | Boston University                     | 273,204                                 | 44                       | 21                      | 300,923                                 | 40                       | 20                      |
| Private                                                                 | Brandeis University                   | 44,061                                  | 162                      | 47                      | 47,793                                  | 162                      | 48                      |
| Private                                                                 | Brown University                      | 127,665                                 | 85                       | 32                      | 123,649                                 | 92                       | 33                      |
| Private                                                                 | California Institute of Technology    | 322,295                                 | 34                       | 16                      | 340,131                                 | 30                       | 16                      |
| Private                                                                 | Carnegie Mellon University            | 209,307                                 | 60                       | 25                      | 200,878                                 | 65                       | 25                      |
| Private                                                                 | Case Western Reserve University       | 358,722                                 | 26                       | 14                      | 352,938                                 | 28                       | 15                      |
| Public                                                                  | Clemson University                    | 48,182                                  | 157                      | 111                     | 49,365                                  | 161                      | 114                     |
| Public                                                                  | Cleveland State University            | 46,205                                  | 159                      | 113                     | 42,292                                  | 168                      | 120                     |
| Private                                                                 | Cold Springs Harbor Laboratory        | 43,874                                  | 163                      | 48                      | 55,450                                  | 152                      | 47                      |
| Public                                                                  | Colorado State Univ. - Fort Collins   | 245,573                                 | 53                       | 30                      | 230,661                                 | 56                       | 33                      |
| Private                                                                 | Columbia University                   | 631,961                                 | 6                        | 3                       | 634,973                                 | 7                        | 3                       |
| Private                                                                 | Cornell University                    | 298,596                                 | 41                       | 20                      | 314,371                                 | 37                       | 19                      |
| Private                                                                 | Dartmouth College                     | 147,218                                 | 79                       | 31                      | 131,518                                 | 87                       | 32                      |
| Private                                                                 | Drexel University                     | 85,584                                  | 119                      | 38                      | 81,424                                  | 123                      | 39                      |
| Private                                                                 | Duke University                       | 585,636                                 | 10                       | 5                       | 584,161                                 | 9                        | 5                       |
| Private                                                                 | Emory University                      | 360,934                                 | 25                       | 13                      | 369,945                                 | 25                       | 13                      |
| Public                                                                  | Florida International University      | 54,204                                  | 153                      | 107                     | 61,687                                  | 139                      | 95                      |
| Public                                                                  | Florida State University              | 131,998                                 | 84                       | 53                      | 136,332                                 | 81                       | 51                      |
| Public                                                                  | George Mason University               | 57,504                                  | 145                      | 99                      | 61,016                                  | 141                      | 97                      |
| Private                                                                 | George Washington University          | 111,068                                 | 96                       | 36                      | 115,463                                 | 99                       | 36                      |
| Private                                                                 | Georgetown University                 | 113,229                                 | 94                       | 35                      | 122,802                                 | 93                       | 34                      |
| Public                                                                  | Georgia Health Sciences University    | 55,106                                  | 150                      | 104                     | 54,254                                  | 155                      | 108                     |
| Public                                                                  | Georgia Institute of Technology       | 482,349                                 | 16                       | 9                       | 426,088                                 | 22                       | 11                      |
| Private                                                                 | Harvard University                    | 574,346                                 | 11                       | 6                       | 530,908                                 | 14                       | 6                       |
| Private                                                                 | Icahn School of Med. at Mount Sinai   | 271,722                                 | 45                       | 22                      | 295,291                                 | 44                       | 22                      |
| Public                                                                  | Indiana University - Bloomington      | 72,501                                  | 133                      | 91                      | 69,298                                  | 136                      | 93                      |
| Public                                                                  | Indiana U. - Purdue U. - Indianapolis | 165,374                                 | 73                       | 45                      | 154,966                                 | 77                       | 47                      |
| Public                                                                  | Iowa State University                 | 117,144                                 | 93                       | 59                      | 116,109                                 | 97                       | 62                      |
| Private                                                                 | Johns Hopkins University              | 1,845,845                               | 1                        | 1                       | 1,875,410                               | 1                        | 1                       |
| Public                                                                  | Kansas State University               | 73,247                                  | 131                      | 89                      | 74,414                                  | 131                      | 89                      |
| Public                                                                  | Louisiana State Univ. - Baton Rouge   | 91,238                                  | 114                      | 77                      | 96,050                                  | 113                      | 7                       |
| Public                                                                  | Louisiana St. U. HSC - New Orleans    | 40,637                                  | 165                      | 117                     | 45,581                                  | 165                      | 117                     |
| Private                                                                 | Massachusetts Inst. of Technology     | 478,955                                 | 18                       | 8                       | 482,544                                 | 17                       | 8                       |
| Private                                                                 | Medical College of Wisconsin          | 125,325                                 | 87                       | 33                      | 133,929                                 | 84                       | 31                      |
| Public                                                                  | Medical University of South Carolina  | 136,907                                 | 81                       | 50                      | 143,464                                 | 80                       | 50                      |
| Public                                                                  | Michigan State University             | 250,416                                 | 52                       | 29                      | 222,937                                 | 60                       | 36                      |
| Public                                                                  | Mississippi State University          | 96,132                                  | 111                      | 74                      | 97,987                                  | 110                      | 73                      |
| Public                                                                  | Montana State University - Bozeman    | 78,409                                  | 125                      | 85                      | 78,431                                  | 127                      | 86                      |
| Public                                                                  | Naval Postgraduate School             | 120,209                                 | 90                       | 57                      | 88,950                                  | 116                      | 78                      |
| Public                                                                  | New Jersey Institute of Technology    | 57,513                                  | 143                      | 98                      | 52,873                                  | 157                      | 110                     |
| Public                                                                  | New Mexico State Univ. - Las Cruces   | 90,338                                  | 115                      | 78                      | 90,283                                  | 115                      | 77                      |
| Private                                                                 | New York University                   | 300,271                                 | 40                       | 19                      | 289,172                                 | 45                       | 23                      |
| Public                                                                  | North Carolina State University       | 171,464                                 | 72                       | 44                      | 152,790                                 | 78                       | 48                      |
| Public                                                                  | North Dakota State University         | 45,326                                  | 160                      | 114                     | 52,543                                  | 159                      | 112                     |
| Private                                                                 | Northeastern University               | 75,733                                  | 129                      | 42                      | 65,757                                  | 138                      | 44                      |
| Private                                                                 | Northwestern University               | 385,377                                 | 24                       | 12                      | 393,449                                 | 24                       | 12                      |

# The Top American Research Universities

| 2010<br>Federal<br>Research<br>x \$1000 | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>Federal<br>Research<br>x \$1000 | 2009<br>National<br>Rank | 2009<br>Control<br>Rank | 2008<br>Federal<br>Research<br>x \$1000 | 2008<br>National<br>Rank | 2008<br>Control<br>Rank |
|-----------------------------------------|--------------------------|-------------------------|-----------------------------------------|--------------------------|-------------------------|-----------------------------------------|--------------------------|-------------------------|
| 164,890                                 | 67                       | 42                      | 134,598                                 | 73                       | 46                      | 125,558                                 | 75                       | 47                      |
| 53,648                                  | 147                      | 102                     | 52,911                                  | 147                      | 103                     | 54,748                                  | 137                      | 94                      |
| 284,072                                 | 41                       | 22                      | 267,130                                 | 36                       | 19                      | 262,498                                 | 35                       | 18                      |
| 298,467                                 | 37                       | 20                      | 255,178                                 | 41                       | 21                      | 235,153                                 | 41                       | 21                      |
| 43,282                                  | 164                      | 47                      | 40,532                                  | 162                      | 47                      | 38,204                                  | 167                      | 48                      |
| 120,749                                 | 91                       | 33                      | 93,753                                  | 103                      | 36                      | 95,145                                  | 103                      | 37                      |
| 325,751                                 | 30                       | 16                      | 305,682                                 | 26                       | 13                      | 243,624                                 | 39                       | 20                      |
| 179,136                                 | 64                       | 25                      | 170,260                                 | 61                       | 25                      | 170,978                                 | 59                       | 24                      |
| 333,438                                 | 27                       | 15                      | 313,044                                 | 24                       | 12                      | 305,483                                 | 24                       | 12                      |
| 59,374                                  | 137                      | 94                      | 55,108                                  | 139                      | 96                      | 56,535                                  | 132                      | 90                      |
| 24,894                                  | 206                      | 149                     | 4,081                                   | 333                      | 241                     | 5,027                                   | 311                      | 227                     |
|                                         |                          |                         |                                         |                          |                         |                                         |                          |                         |
| 205,890                                 | 59                       | 36                      | 211,890                                 | 50                       | 28                      | 208,925                                 | 50                       | 28                      |
| 561,531                                 | 8                        | 4                       | 483,111                                 | 9                        | 4                       | 461,029                                 | 11                       | 5                       |
| 290,640                                 | 40                       | 21                      | 238,022                                 | 45                       | 22                      | 232,235                                 | 42                       | 22                      |
| 117,909                                 | 95                       | 35                      | 134,113                                 | 74                       | 28                      | 121,306                                 | 80                       | 30                      |
| 75,339                                  | 122                      | 40                      | 67,620                                  | 124                      | 41                      | 65,198                                  | 125                      | 41                      |
| 513,469                                 | 13                       | 5                       | 438,767                                 | 13                       | 6                       | 451,317                                 | 13                       | 6                       |
| 336,948                                 | 26                       | 14                      | 295,831                                 | 32                       | 17                      | 291,126                                 | 26                       | 13                      |
| 52,784                                  | 149                      | 104                     | 53,647                                  | 145                      | 102                     | 52,838                                  | 140                      | 97                      |
| 127,571                                 | 84                       | 54                      | 117,294                                 | 87                       | 54                      | 110,618                                 | 89                       | 55                      |
| 59,591                                  | 136                      | 93                      | 55,678                                  | 138                      | 95                      | 50,392                                  | 144                      | 101                     |
| 120,844                                 | 90                       | 32                      | 88,949                                  | 106                      | 37                      | 119,100                                 | 81                       | 31                      |
| 119,509                                 | 94                       | 34                      | 119,925                                 | 82                       | 32                      | 111,590                                 | 88                       | 34                      |
| 51,727                                  | 153                      | 108                     | 45,272                                  | 153                      | 108                     | 39,486                                  | 166                      | 119                     |
| 370,532                                 | 23                       | 12                      | 322,452                                 | 23                       | 12                      | 281,184                                 | 28                       | 14                      |
| 467,237                                 | 15                       | 7                       | 385,704                                 | 18                       | 8                       | 383,330                                 | 15                       | 8                       |
| 302,770                                 | 36                       | 19                      | 264,914                                 | 37                       | 20                      | 253,319                                 | 36                       | 19                      |
| 67,483                                  | 131                      | 89                      | 78,498                                  | 114                      | 77                      | 68,345                                  | 119                      | 80                      |
| 147,375                                 | 76                       | 46                      | 119,060                                 | 83                       | 51                      | 118,366                                 | 82                       | 51                      |
| 108,181                                 | 99                       | 63                      | 96,483                                  | 101                      | 66                      | 102,771                                 | 97                       | 62                      |
| 1,731,818                               | 1                        | 1                       | 1,587,547                               | 1                        | 1                       | 1,454,426                               | 1                        | 1                       |
| 66,400                                  | 133                      | 91                      | 57,743                                  | 134                      | 93                      | 52,984                                  | 139                      | 96                      |
| 94,611                                  | 110                      | 73                      | 86,546                                  | 109                      | 72                      | 78,695                                  | 113                      | 75                      |
| 46,142                                  | 160                      | 114                     | 42,622                                  | 158                      | 112                     | 43,392                                  | 156                      | 111                     |
| 451,050                                 | 17                       | 9                       | 532,618                                 | 4                        | 2                       | 495,008                                 | 5                        | 3                       |
| 121,750                                 | 88                       | 31                      | 117,842                                 | 86                       | 33                      | 111,602                                 | 86                       | 33                      |
| 131,650                                 | 80                       | 50                      | 113,789                                 | 91                       | 58                      | 102,187                                 | 98                       | 63                      |
| 198,735                                 | 60                       | 37                      | 164,198                                 | 63                       | 38                      | 152,907                                 | 65                       | 40                      |
| 105,224                                 | 102                      | 65                      | 102,903                                 | 97                       | 63                      | 105,327                                 | 95                       | 60                      |
| 84,735                                  | 114                      | 76                      | 71,620                                  | 121                      | 82                      | 70,386                                  | 116                      | 77                      |
| 86,765                                  | 113                      | 75                      | 75,825                                  | 116                      | 79                      | 82,302                                  | 109                      | 72                      |
| 47,832                                  | 158                      | 112                     | 42,656                                  | 157                      | 111                     | 40,087                                  | 165                      | 118                     |
| 98,050                                  | 105                      | 68                      | 88,707                                  | 107                      | 70                      | 86,636                                  | 106                      | 69                      |
| 250,006                                 | 48                       | 23                      | 202,535                                 | 53                       | 23                      | 199,363                                 | 52                       | 23                      |
| 137,124                                 | 78                       | 48                      | 135,318                                 | 71                       | 44                      | 131,412                                 | 71                       | 44                      |
| 51,198                                  | 155                      | 109                     | 43,614                                  | 154                      | 109                     | 50,038                                  | 146                      | 103                     |
| 56,727                                  | 142                      | 44                      | 38,178                                  | 167                      | 48                      | 36,497                                  | 168                      | 49                      |
| 356,193                                 | 24                       | 12                      | 300,619                                 | 28                       | 15                      | 264,984                                 | 34                       | 17                      |

| Federal Research                                                        |                                        |                                         |                          |                         |                                         |                          |                         |
|-------------------------------------------------------------------------|----------------------------------------|-----------------------------------------|--------------------------|-------------------------|-----------------------------------------|--------------------------|-------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                        | 2012<br>Federal<br>Research<br>x \$1000 | 2012<br>National<br>Rank | 2012<br>Control<br>Rank | 2011<br>Federal<br>Research<br>x \$1000 | 2011<br>National<br>Rank | 2011<br>Control<br>Rank |
| Public                                                                  | Ohio State University - Columbus       | 416,304                                 | 23                       | 12                      | 471,331                                 | 18                       | 10                      |
| Public                                                                  | Oklahoma State University - Stillwater | 85,876                                  | 118                      | 81                      | 81,855                                  | 122                      | 84                      |
| Public                                                                  | Oregon Health & Science University     | 242,219                                 | 55                       | 32                      | 268,777                                 | 49                       | 26                      |
| Public                                                                  | Oregon State University                | 155,667                                 | 78                       | 48                      | 146,069                                 | 79                       | 49                      |
| Public                                                                  | Penn. State U. - Hershey Med. Ctr.     | 56,615                                  | 146                      | 100                     | 59,039                                  | 147                      | 103                     |
| Public                                                                  | Pennsylvania State Univ. - Univ. Park  | 469,597                                 | 19                       | 11                      | 400,294                                 | 23                       | 12                      |
| Private                                                                 | Princeton University                   | 160,985                                 | 75                       | 30                      | 162,491                                 | 73                       | 29                      |
| Public                                                                  | Purdue University - West Lafayette     | 255,691                                 | 51                       | 28                      | 246,116                                 | 51                       | 28                      |
| Private                                                                 | Rensselaer Polytechnic Institute       | 62,063                                  | 139                      | 45                      | 58,951                                  | 148                      | 45                      |
| Private                                                                 | Rice University                        | 76,431                                  | 128                      | 41                      | 78,249                                  | 128                      | 42                      |
| Private                                                                 | Rockefeller University                 | 84,616                                  | 121                      | 39                      | 97,710                                  | 111                      | 38                      |
| Private                                                                 | Rush University                        | 57,512                                  | 144                      | 46                      | 57,978                                  | 149                      | 46                      |
| Public                                                                  | Rutgers University - New Brunswick     | 273,498                                 | 43                       | 23                      | 235,178                                 | 54                       | 31                      |
| Public                                                                  | San Diego State University             | 51,690                                  | 155                      | 109                     | 59,769                                  | 143                      | 99                      |
| Private                                                                 | Scripps Research Institute             | 309,471                                 | 36                       | 17                      | 317,201                                 | 36                       | 18                      |
| Public                                                                  | South Dakota State University          | 41,941                                  | 164                      | 116                     | 41,876                                  | 170                      | 122                     |
| Private                                                                 | Stanford University                    | 607,578                                 | 8                        | 4                       | 633,287                                 | 8                        | 4                       |
| Public                                                                  | Stony Brook University                 | 123,198                                 | 89                       | 56                      | 124,938                                 | 89                       | 57                      |
| Public                                                                  | Temple University                      | 85,062                                  | 120                      | 82                      | 84,581                                  | 119                      | 81                      |
| Public                                                                  | Texas A&M Univ. - College Station      | 259,506                                 | 50                       | 27                      | 281,063                                 | 47                       | 24                      |
| Private                                                                 | Thomas Jefferson University            | 68,976                                  | 136                      | 43                      | 80,027                                  | 124                      | 40                      |
| Private                                                                 | Tufts University                       | 120,042                                 | 92                       | 34                      | 120,864                                 | 95                       | 35                      |
| Private                                                                 | Tulane University                      | 101,130                                 | 108                      | 37                      | 110,222                                 | 103                      | 37                      |
| Public                                                                  | Uniformed Services Univ. of the HS     | 110,276                                 | 100                      | 64                      | 117,781                                 | 96                       | 61                      |
| Public                                                                  | University at Albany                   | 112,161                                 | 95                       | 60                      | 124,848                                 | 90                       | 58                      |
| Public                                                                  | University at Buffalo                  | 186,747                                 | 67                       | 41                      | 176,923                                 | 69                       | 43                      |
| Public                                                                  | University of Alabama - Birmingham     | 303,677                                 | 39                       | 21                      | 340,342                                 | 29                       | 14                      |
| Public                                                                  | University of Alabama - Huntsville     | 75,715                                  | 130                      | 88                      | 70,197                                  | 134                      | 92                      |
| Public                                                                  | University of Alaska - Fairbanks       | 97,472                                  | 110                      | 73                      | 100,638                                 | 107                      | 70                      |
| Public                                                                  | University of Arizona                  | 328,369                                 | 33                       | 18                      | 324,751                                 | 35                       | 18                      |
| Public                                                                  | Univ. of Arkansas for Med. Sciences    | 69,883                                  | 135                      | 93                      | 75,924                                  | 130                      | 88                      |
| Public                                                                  | University of California - Berkeley    | 333,179                                 | 30                       | 16                      | 326,120                                 | 34                       | 17                      |
| Public                                                                  | University of California - Davis       | 356,540                                 | 27                       | 13                      | 359,704                                 | 27                       | 13                      |
| Public                                                                  | University of California - Irvine      | 204,062                                 | 62                       | 37                      | 204,134                                 | 63                       | 39                      |
| Public                                                                  | University of California - Los Angeles | 527,899                                 | 14                       | 8                       | 545,882                                 | 13                       | 8                       |
| Public                                                                  | University of California - Riverside   | 61,304                                  | 141                      | 96                      | 59,351                                  | 145                      | 101                     |
| Public                                                                  | University of California - San Diego   | 653,549                                 | 5                        | 3                       | 635,223                                 | 6                        | 4                       |
| Public                                                                  | Univ. of California - San Francisco    | 559,329                                 | 12                       | 6                       | 570,116                                 | 10                       | 5                       |
| Public                                                                  | Univ. of California - Santa Barbara    | 134,984                                 | 82                       | 51                      | 132,490                                 | 86                       | 55                      |
| Public                                                                  | University of California - Santa Cruz  | 91,409                                  | 113                      | 76                      | 95,015                                  | 114                      | 76                      |
| Public                                                                  | University of Central Florida          | 72,620                                  | 132                      | 90                      | 66,736                                  | 137                      | 94                      |
| Private                                                                 | University of Chicago                  | 329,119                                 | 31                       | 15                      | 365,824                                 | 26                       | 14                      |
| Public                                                                  | University of Cincinnati - Cincinnati  | 266,507                                 | 48                       | 25                      | 286,003                                 | 46                       | 23                      |
| Public                                                                  | University of Colorado - Boulder       | 319,019                                 | 35                       | 19                      | 313,531                                 | 38                       | 19                      |
| Public                                                                  | University of Colorado - Denver        | 308,023                                 | 37                       | 20                      | 299,230                                 | 41                       | 21                      |
| Public                                                                  | Univ. of Connecticut - Health Center   | 61,568                                  | 140                      | 95                      | 56,351                                  | 151                      | 105                     |
| Public                                                                  | University of Connecticut - Storrs     | 88,834                                  | 116                      | 79                      | 84,901                                  | 118                      | 80                      |
| Private                                                                 | University of Dayton                   | 64,369                                  | 138                      | 44                      | 69,847                                  | 135                      | 43                      |
| Public                                                                  | University of Delaware                 | 110,760                                 | 97                       | 61                      | 112,523                                 | 102                      | 66                      |

## The Top American Research Universities

| 2010<br>Federal<br>Research<br>x \$1000 | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>Federal<br>Research<br>x \$1000 | 2009<br>National<br>Rank | 2009<br>Control<br>Rank | 2008<br>Federal<br>Research<br>x \$1000 | 2008<br>National<br>Rank | 2008<br>Control<br>Rank |
|-----------------------------------------|--------------------------|-------------------------|-----------------------------------------|--------------------------|-------------------------|-----------------------------------------|--------------------------|-------------------------|
| 384,633                                 | 21                       | 11                      | 339,820                                 | 21                       | 11                      | 335,121                                 | 21                       | 11                      |
| 56,998                                  | 141                      | 98                      | 39,517                                  | 164                      | 117                     | 41,051                                  | 161                      | 115                     |
| 247,054                                 | 49                       | 26                      | 233,774                                 | 46                       | 24                      | 232,208                                 | 43                       | 21                      |
| 135,081                                 | 79                       | 49                      | 118,252                                 | 85                       | 53                      | 113,614                                 | 85                       | 53                      |
| 53,063                                  | 148                      | 103                     | 52,558                                  | 148                      | 104                     | 46,790                                  | 150                      | 105                     |
| 410,238                                 | 19                       | 10                      | 386,635                                 | 17                       | 10                      | 359,738                                 | 19                       | 10                      |
| 149,164                                 | 75                       | 30                      | 128,876                                 | 77                       | 29                      | 125,102                                 | 76                       | 29                      |
| 221,679                                 | 54                       | 31                      | 175,302                                 | 59                       | 36                      | 176,592                                 | 57                       | 34                      |
| 54,559                                  | 145                      | 45                      | 48,216                                  | 151                      | 45                      | 47,109                                  | 148                      | 45                      |
| 69,176                                  | 129                      | 42                      | 56,270                                  | 137                      | 43                      | 54,959                                  | 136                      | 43                      |
| 88,705                                  | 112                      | 38                      | 73,906                                  | 117                      | 38                      | 81,557                                  | 111                      | 38                      |
| 51,304                                  | 154                      | 46                      | 43,608                                  | 155                      | 46                      | 40,942                                  | 162                      | 47                      |
| 218,910                                 | 56                       | 33                      | 151,122                                 | 65                       | 40                      | 130,932                                 | 72                       | 45                      |
| 53,746                                  | 146                      | 101                     | 42,736                                  | 156                      | 110                     | 36,267                                  | 169                      | 120                     |
| 313,746                                 | 33                       | 18                      | 288,388                                 | 33                       | 18                      | 265,657                                 | 33                       | 16                      |
| 38,309                                  | 168                      | 121                     | 24,303                                  | 187                      | 136                     | 20,912                                  | 205                      | 147                     |
| 576,553                                 | 7                        | 3                       | 477,507                                 | 10                       | 5                       | 509,477                                 | 4                        | 2                       |
| 120,090                                 | 92                       | 59                      | 107,396                                 | 94                       | 60                      | 106,419                                 | 93                       | 58                      |
| 76,170                                  | 121                      | 82                      | 65,126                                  | 125                      | 84                      | 58,686                                  | 130                      | 88                      |
| 276,977                                 | 44                       | 22                      | 261,491                                 | 39                       | 19                      | 245,607                                 | 38                       | 19                      |
| 77,817                                  | 119                      | 39                      | 73,152                                  | 118                      | 39                      | 76,034                                  | 114                      | 39                      |
| 115,159                                 | 97                       | 36                      | 102,330                                 | 98                       | 35                      | 95,620                                  | 101                      | 36                      |
| 106,021                                 | 100                      | 37                      | 109,269                                 | 92                       | 34                      | 109,152                                 | 90                       | 35                      |
| 72,125                                  | 127                      | 86                      | 124,314                                 | 81                       | 50                      | 67,345                                  | 122                      | 83                      |
| 123,404                                 | 86                       | 56                      | 96,910                                  | 100                      | 65                      | 108,747                                 | 91                       | 56                      |
| 164,477                                 | 68                       | 43                      | 152,146                                 | 64                       | 39                      | 155,340                                 | 63                       | 38                      |
| 320,704                                 | 32                       | 15                      | 300,130                                 | 29                       | 14                      | 303,084                                 | 25                       | 13                      |
| 71,461                                  | 128                      | 87                      | 53,893                                  | 143                      | 100                     | 47,068                                  | 149                      | 104                     |
| 97,889                                  | 106                      | 69                      | 105,885                                 | 96                       | 62                      | 105,914                                 | 94                       | 59                      |
| 307,038                                 | 34                       | 16                      | 287,889                                 | 35                       | 17                      | 277,897                                 | 29                       | 15                      |
| 72,217                                  | 126                      | 85                      | 61,249                                  | 130                      | 89                      | 62,035                                  | 128                      | 86                      |
| 303,201                                 | 35                       | 17                      | 262,069                                 | 38                       | 18                      | 249,163                                 | 37                       | 18                      |
| 329,041                                 | 29                       | 14                      | 295,924                                 | 31                       | 15                      | 268,957                                 | 31                       | 16                      |
| 189,343                                 | 63                       | 39                      | 177,098                                 | 58                       | 35                      | 178,299                                 | 56                       | 33                      |
| 522,423                                 | 11                       | 7                       | 467,505                                 | 11                       | 6                       | 471,932                                 | 10                       | 6                       |
| 58,159                                  | 139                      | 96                      | 53,971                                  | 141                      | 98                      | 53,780                                  | 138                      | 95                      |
| 578,889                                 | 6                        | 4                       | 511,428                                 | 5                        | 3                       | 490,963                                 | 6                        | 3                       |
| 514,693                                 | 12                       | 8                       | 483,667                                 | 8                        | 5                       | 472,642                                 | 9                        | 5                       |
| 127,696                                 | 83                       | 53                      | 113,837                                 | 90                       | 57                      | 111,601                                 | 87                       | 54                      |
| 81,598                                  | 116                      | 78                      | 76,085                                  | 115                      | 78                      | 69,742                                  | 118                      | 79                      |
| 67,795                                  | 130                      | 88                      | 65,042                                  | 126                      | 85                      | 55,771                                  | 133                      | 91                      |
| 348,537                                 | 25                       | 13                      | 301,159                                 | 27                       | 14                      | 284,616                                 | 27                       | 14                      |
| 261,982                                 | 47                       | 25                      | 229,324                                 | 48                       | 26                      | 221,186                                 | 46                       | 24                      |
| 282,008                                 | 42                       | 20                      | 239,687                                 | 44                       | 23                      | 219,556                                 | 47                       | 25                      |
| 275,573                                 | 45                       | 23                      | 256,007                                 | 40                       | 20                      | 213,761                                 | 49                       | 27                      |
| 55,341                                  | 144                      | 100                     | 68,781                                  | 123                      | 83                      | 61,455                                  | 129                      | 87                      |
| 73,359                                  | 124                      | 84                      | 51,887                                  | 149                      | 105                     | 58,460                                  | 131                      | 89                      |
| 72,567                                  | 125                      | 41                      | 70,469                                  | 122                      | 40                      | 64,515                                  | 126                      | 42                      |
| 102,637                                 | 103                      | 66                      | 87,090                                  | 108                      | 71                      | 84,628                                  | 107                      | 70                      |

| Federal Research                                                        |                                       |                                         |                          |                         |                                         |                          |                         |
|-------------------------------------------------------------------------|---------------------------------------|-----------------------------------------|--------------------------|-------------------------|-----------------------------------------|--------------------------|-------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                       | 2012<br>Federal<br>Research<br>x \$1000 | 2012<br>National<br>Rank | 2012<br>Control<br>Rank | 2011<br>Federal<br>Research<br>x \$1000 | 2011<br>National<br>Rank | 2011<br>Control<br>Rank |
| Public                                                                  | University of Florida                 | 295,745                                 | 42                       | 22                      | 296,950                                 | 42                       | 22                      |
| Public                                                                  | University of Georgia                 | 133,525                                 | 83                       | 52                      | 134,273                                 | 83                       | 53                      |
| Public                                                                  | University of Hawaii - Manoa          | 193,722                                 | 66                       | 40                      | 201,700                                 | 64                       | 40                      |
| Public                                                                  | University of Houston - Univ. Park    | 54,657                                  | 151                      | 105                     | 57,090                                  | 150                      | 104                     |
| Public                                                                  | University of Idaho                   | 53,765                                  | 154                      | 108                     | 52,812                                  | 158                      | 111                     |
| Public                                                                  | University of Illinois - Chicago      | 243,622                                 | 54                       | 31                      | 245,323                                 | 52                       | 29                      |
| Public                                                                  | Univ. of Illinois - Urbana-Champaign  | 348,536                                 | 28                       | 14                      | 312,796                                 | 39                       | 20                      |
| Public                                                                  | University of Iowa                    | 265,780                                 | 49                       | 26                      | 280,989                                 | 48                       | 25                      |
| Public                                                                  | University of Kansas - Lawrence       | 99,034                                  | 109                      | 72                      | 78,884                                  | 126                      | 85                      |
| Public                                                                  | University of Kansas Medical Center   | 48,018                                  | 158                      | 112                     | 71,840                                  | 132                      | 90                      |
| Public                                                                  | University of Kentucky                | 157,813                                 | 77                       | 47                      | 175,801                                 | 70                       | 44                      |
| Public                                                                  | University of Louisville              | 79,252                                  | 124                      | 84                      | 84,557                                  | 120                      | 82                      |
| Public                                                                  | University of Maryland - Baltimore    | 229,858                                 | 56                       | 33                      | 228,637                                 | 57                       | 34                      |
| Public                                                                  | Univ. of Maryland - Baltimore County  | 44,669                                  | 161                      | 115                     | 61,110                                  | 140                      | 96                      |
| Public                                                                  | University of Maryland - College Park | 340,180                                 | 29                       | 15                      | 333,879                                 | 33                       | 16                      |
| Public                                                                  | Univ. of Massachusetts - Amherst      | 106,470                                 | 104                      | 68                      | 106,315                                 | 104                      | 67                      |
| Public                                                                  | Univ. of Mass. Med. Sch. - Worcester  | 202,149                                 | 63                       | 38                      | 208,244                                 | 62                       | 38                      |
| Public                                                                  | Univ. of Medicine & Dentistry of NJ   | 110,595                                 | 98                       | 62                      | 124,585                                 | 91                       | 59                      |
| Private                                                                 | University of Miami                   | 222,535                                 | 58                       | 24                      | 223,870                                 | 59                       | 24                      |
| Public                                                                  | University of Michigan - Ann Arbor    | 773,766                                 | 3                        | 2                       | 801,194                                 | 3                        | 2                       |
| Public                                                                  | University of Minnesota - Twin Cities | 480,531                                 | 17                       | 10                      | 482,639                                 | 16                       | 9                       |
| Public                                                                  | University of Missouri - Columbia     | 110,446                                 | 99                       | 63                      | 113,072                                 | 100                      | 64                      |
| Public                                                                  | University of Nebraska - Lincoln      | 103,294                                 | 106                      | 70                      | 104,240                                 | 105                      | 68                      |
| Public                                                                  | Univ. of Nebraska Medical Center      | 84,196                                  | 122                      | 83                      | 86,295                                  | 117                      | 79                      |
| Public                                                                  | University of Nevada - Reno           | 55,150                                  | 148                      | 102                     | 55,374                                  | 153                      | 106                     |
| Public                                                                  | Univ. of New Hampshire - Durham       | 109,728                                 | 102                      | 66                      | 96,552                                  | 112                      | 74                      |
| Public                                                                  | Unive. of New Mexico - Albuquerque    | 159,302                                 | 76                       | 46                      | 161,950                                 | 74                       | 45                      |
| Public                                                                  | Univ. of North Carolina - Chapel Hill | 597,629                                 | 9                        | 5                       | 559,620                                 | 12                       | 7                       |
| Public                                                                  | University of North Dakota            | 54,411                                  | 152                      | 106                     | 53,913                                  | 156                      | 109                     |
| Private                                                                 | University of Notre Dame              | 82,244                                  | 123                      | 40                      | 79,003                                  | 125                      | 41                      |
| Public                                                                  | University of Oklahoma - Norman       | 64,427                                  | 137                      | 94                      | 46,027                                  | 164                      | 116                     |
| Public                                                                  | University of Oklahoma HSC            | 59,704                                  | 142                      | 97                      | 42,654                                  | 167                      | 119                     |
| Public                                                                  | University of Oregon                  | 71,157                                  | 134                      | 92                      | 71,344                                  | 133                      | 91                      |
| Private                                                                 | University of Pennsylvania            | 656,425                                 | 4                        | 2                       | 689,571                                 | 4                        | 2                       |
| Public                                                                  | University of Pittsburgh - Pittsburgh | 620,070                                 | 7                        | 4                       | 647,060                                 | 5                        | 3                       |
| Public                                                                  | University of Rhode Island            | 78,194                                  | 126                      | 86                      | 77,668                                  | 129                      | 87                      |
| Private                                                                 | University of Rochester               | 307,390                                 | 38                       | 18                      | 337,312                                 | 31                       | 17                      |
| Public                                                                  | Univ. of South Carolina - Columbia    | 93,237                                  | 112                      | 75                      | 100,045                                 | 108                      | 71                      |
| Public                                                                  | University of South Florida - Tampa   | 218,772                                 | 59                       | 35                      | 220,931                                 | 61                       | 37                      |
| Private                                                                 | University of Southern California     | 433,136                                 | 20                       | 9                       | 443,458                                 | 20                       | 10                      |
| Public                                                                  | University of Tennessee - Knoxville   | 103,147                                 | 107                      | 71                      | 99,712                                  | 109                      | 72                      |
| Public                                                                  | University of Tennessee HSC           | 48,473                                  | 156                      | 110                     | 51,840                                  | 160                      | 113                     |
| Public                                                                  | University of Texas - Austin          | 328,560                                 | 32                       | 17                      | 334,240                                 | 32                       | 15                      |
| Public                                                                  | University of Texas HSC - Houston     | 146,424                                 | 80                       | 49                      | 156,790                                 | 76                       | 46                      |
| Public                                                                  | Univ. of Texas HSC - San Antonio      | 106,177                                 | 105                      | 69                      | 121,200                                 | 94                       | 60                      |
| Public                                                                  | U. of Texas MD Anderson Cancer Ctr.   | 196,753                                 | 65                       | 39                      | 236,400                                 | 53                       | 30                      |
| Public                                                                  | U. of Texas Med. Branch - Galveston   | 109,867                                 | 101                      | 65                      | 128,098                                 | 88                       | 56                      |
| Public                                                                  | U. of Texas SW Med. Ctr. - Dallas     | 207,513                                 | 61                       | 36                      | 231,639                                 | 55                       | 32                      |
| Public                                                                  | University of Utah                    | 271,629                                 | 46                       | 24                      | 263,623                                 | 50                       | 27                      |

## The Top American Research Universities

| 2010<br>Federal<br>Research<br>x \$1000 | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>Federal<br>Research<br>x \$1000 | 2009<br>National<br>Rank | 2009<br>Control<br>Rank | 2008<br>Federal<br>Research<br>x \$1000 | 2008<br>National<br>Rank | 2008<br>Control<br>Rank |
|-----------------------------------------|--------------------------|-------------------------|-----------------------------------------|--------------------------|-------------------------|-----------------------------------------|--------------------------|-------------------------|
| 269,765                                 | 46                       | 24                      | 232,737                                 | 47                       | 25                      | 230,999                                 | 44                       | 22                      |
| 116,625                                 | 96                       | 61                      | 106,932                                 | 95                       | 61                      | 102,817                                 | 96                       | 61                      |
| 196,275                                 | 62                       | 38                      | 203,453                                 | 52                       | 30                      | 194,508                                 | 55                       | 32                      |
| 50,148                                  | 156                      | 110                     | 40,020                                  | 163                      | 116                     | 43,162                                  | 158                      | 112                     |
| 45,082                                  | 161                      | 115                     | 42,207                                  | 159                      | 113                     | 45,301                                  | 153                      | 108                     |
| 229,131                                 | 51                       | 28                      | 196,702                                 | 54                       | 31                      | 196,520                                 | 53                       | 30                      |
| 294,236                                 | 38                       | 18                      | 288,013                                 | 34                       | 16                      | 266,912                                 | 32                       | 17                      |
| 280,089                                 | 43                       | 21                      | 252,336                                 | 42                       | 21                      | 229,903                                 | 45                       | 23                      |
| 81,211                                  | 117                      | 79                      | 73,139                                  | 119                      | 80                      | 67,379                                  | 121                      | 82                      |
| 56,247                                  | 143                      | 99                      | 54,310                                  | 140                      | 97                      | 55,022                                  | 135                      | 93                      |
| 167,192                                 | 66                       | 41                      | 145,483                                 | 68                       | 43                      | 154,811                                 | 64                       | 39                      |
| 83,593                                  | 115                      | 77                      | 72,770                                  | 120                      | 81                      | 72,711                                  | 115                      | 76                      |
| 206,686                                 | 57                       | 34                      | 169,081                                 | 62                       | 37                      | 169,026                                 | 61                       | 37                      |
| 58,597                                  | 138                      | 95                      | 53,867                                  | 144                      | 101                     | 50,561                                  | 143                      | 100                     |
| 293,835                                 | 39                       | 19                      | 246,985                                 | 43                       | 22                      | 236,417                                 | 40                       | 20                      |
| 97,131                                  | 107                      | 70                      | 80,163                                  | 112                      | 75                      | 79,736                                  | 112                      | 74                      |
| 178,293                                 | 65                       | 40                      | 145,834                                 | 67                       | 42                      | 145,113                                 | 67                       | 41                      |
| 123,399                                 | 87                       | 57                      | 115,770                                 | 89                       | 56                      | 122,061                                 | 77                       | 48                      |
| 196,435                                 | 61                       | 24                      | 172,000                                 | 60                       | 24                      | 165,986                                 | 62                       | 25                      |
| 729,779                                 | 3                        | 2                       | 636,216                                 | 2                        | 1                       | 592,768                                 | 3                        | 2                       |
| 420,102                                 | 18                       | 9                       | 390,602                                 | 16                       | 9                       | 364,137                                 | 18                       | 9                       |
| 113,362                                 | 98                       | 62                      | 118,998                                 | 84                       | 52                      | 108,131                                 | 92                       | 57                      |
| 95,190                                  | 109                      | 72                      | 83,702                                  | 111                      | 74                      | 81,884                                  | 110                      | 73                      |
| 80,784                                  | 118                      | 80                      | 61,224                                  | 131                      | 90                      | 51,300                                  | 141                      | 98                      |
| 58,115                                  | 140                      | 97                      | 63,709                                  | 128                      | 87                      | 66,165                                  | 124                      | 84                      |
| 76,191                                  | 120                      | 81                      | 78,633                                  | 113                      | 76                      | 83,769                                  | 108                      | 71                      |
| 147,003                                 | 77                       | 47                      | 133,334                                 | 75                       | 47                      | 134,783                                 | 70                       | 43                      |
| 541,910                                 | 9                        | 5                       | 431,837                                 | 14                       | 8                       | 373,098                                 | 17                       | 8                       |
| 52,381                                  | 151                      | 106                     | 49,215                                  | 150                      | 106                     | 46,620                                  | 152                      | 107                     |
| 61,645                                  | 134                      | 43                      | 57,425                                  | 135                      | 42                      | 66,812                                  | 123                      | 40                      |
| 52,332                                  | 152                      | 107                     | 41,900                                  | 160                      | 114                     | 40,294                                  | 164                      | 117                     |
| 47,733                                  | 159                      | 113                     | 53,909                                  | 142                      | 99                      | 51,284                                  | 142                      | 99                      |
| 66,809                                  | 132                      | 90                      | 61,464                                  | 129                      | 88                      | 55,190                                  | 134                      | 92                      |
| 626,816                                 | 4                        | 2                       | 499,498                                 | 7                        | 3                       | 482,321                                 | 7                        | 4                       |
| 581,148                                 | 5                        | 3                       | 463,192                                 | 12                       | 7                       | 456,172                                 | 12                       | 7                       |
| 60,963                                  | 135                      | 92                      | 57,148                                  | 136                      | 94                      | 50,377                                  | 145                      | 102                     |
| 321,258                                 | 31                       | 17                      | 295,963                                 | 30                       | 16                      | 276,268                                 | 30                       | 15                      |
| 119,890                                 | 93                       | 60                      | 107,504                                 | 93                       | 59                      | 98,576                                  | 99                       | 64                      |
| 219,634                                 | 55                       | 32                      | 190,949                                 | 57                       | 34                      | 169,911                                 | 60                       | 36                      |
| 402,372                                 | 20                       | 10                      | 375,024                                 | 20                       | 10                      | 348,713                                 | 20                       | 10                      |
| 96,018                                  | 108                      | 71                      | 91,706                                  | 105                      | 69                      | 70,034                                  | 117                      | 78                      |
| 52,650                                  | 150                      | 105                     | 61,137                                  | 133                      | 92                      | 46,689                                  | 151                      | 106                     |
| 331,439                                 | 28                       | 13                      | 309,125                                 | 25                       | 13                      | 324,287                                 | 23                       | 12                      |
| 150,324                                 | 74                       | 45                      | 135,087                                 | 72                       | 45                      | 129,277                                 | 73                       | 46                      |
| 121,723                                 | 89                       | 58                      | 129,399                                 | 76                       | 48                      | 121,758                                 | 79                       | 50                      |
| 206,664                                 | 58                       | 35                      | 194,633                                 | 55                       | 32                      | 194,889                                 | 54                       | 31                      |
| 128,840                                 | 82                       | 52                      | 126,703                                 | 79                       | 49                      | 122,009                                 | 78                       | 49                      |
| 232,027                                 | 50                       | 27                      | 207,216                                 | 51                       | 29                      | 201,480                                 | 51                       | 29                      |
| 226,489                                 | 52                       | 29                      | 192,354                                 | 56                       | 33                      | 171,737                                 | 58                       | 35                      |

| Federal Research                                                        |                                          |                                         |                          |                         |                                         |                          |                         |
|-------------------------------------------------------------------------|------------------------------------------|-----------------------------------------|--------------------------|-------------------------|-----------------------------------------|--------------------------|-------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                          | 2012<br>Federal<br>Research<br>x \$1000 | 2012<br>National<br>Rank | 2012<br>Control<br>Rank | 2011<br>Federal<br>Research<br>x \$1000 | 2011<br>National<br>Rank | 2011<br>Control<br>Rank |
| Public                                                                  | University of Vermont                    | 87,843                                  | 117                      | 80                      | 101,465                                 | 106                      | 69                      |
| Public                                                                  | University of Virginia                   | 225,558                                 | 57                       | 34                      | 227,937                                 | 58                       | 35                      |
| Public                                                                  | University of Washington - Seattle       | 876,941                                 | 2                        | 1                       | 921,399                                 | 2                        | 1                       |
| Public                                                                  | University of Wisconsin - Madison        | 557,688                                 | 13                       | 7                       | 568,389                                 | 11                       | 6                       |
| Public                                                                  | University of Wyoming                    | 55,663                                  | 147                      | 101                     | 47,782                                  | 163                      | 115                     |
| Public                                                                  | Utah State University                    | 107,054                                 | 103                      | 67                      | 112,611                                 | 101                      | 65                      |
| Private                                                                 | Vanderbilt University                    | 430,445                                 | 22                       | 11                      | 434,213                                 | 21                       | 11                      |
| Public                                                                  | Virginia Commonwealth University         | 124,836                                 | 88                       | 55                      | 134,431                                 | 82                       | 52                      |
| Public                                                                  | Virginia Polytechnic Inst. and St. Univ. | 181,371                                 | 69                       | 43                      | 187,269                                 | 67                       | 41                      |
| Private                                                                 | Wake Forest University                   | 172,779                                 | 70                       | 27                      | 173,004                                 | 71                       | 27                      |
| Public                                                                  | Washington State Univ. - Pullman         | 120,146                                 | 91                       | 58                      | 115,775                                 | 98                       | 63                      |
| Private                                                                 | Washington University in St. Louis       | 432,434                                 | 21                       | 10                      | 460,282                                 | 19                       | 9                       |
| Public                                                                  | Wayne State University                   | 125,965                                 | 86                       | 54                      | 133,925                                 | 85                       | 54                      |
| Private                                                                 | Weill Cornell Medical College            | 172,428                                 | 71                       | 28                      | 161,792                                 | 75                       | 30                      |
| Public                                                                  | West Virginia University                 | 77,981                                  | 127                      | 87                      | 84,061                                  | 121                      | 83                      |
| Private                                                                 | Woods Hole Oceanographic Inst.           | 161,115                                 | 74                       | 29                      | 165,819                                 | 72                       | 28                      |
| Private                                                                 | Yale University                          | 517,072                                 | 15                       | 7                       | 518,195                                 | 15                       | 7                       |
| Private                                                                 | Yeshiva University                       | 201,397                                 | 64                       | 26                      | 192,241                                 | 66                       | 26                      |

| 2010<br>Federal<br>Research<br>x \$1000 | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>Federal<br>Research<br>x \$1000 | 2009<br>National<br>Rank | 2009<br>Control<br>Rank | 2008<br>Federal<br>Research<br>x \$1000 | 2008<br>National<br>Rank | 2008<br>Control<br>Rank |
|-----------------------------------------|--------------------------|-------------------------|-----------------------------------------|--------------------------|-------------------------|-----------------------------------------|--------------------------|-------------------------|
| 98,588                                  | 104                      | 67                      | 92,555                                  | 104                      | 68                      | 89,717                                  | 104                      | 67                      |
| 224,607                                 | 53                       | 30                      | 218,499                                 | 49                       | 27                      | 219,429                                 | 48                       | 26                      |
| 809,433                                 | 2                        | 1                       | 619,353                                 | 3                        | 2                       | 614,069                                 | 2                        | 1                       |
| 522,473                                 | 10                       | 6                       | 507,898                                 | 6                        | 4                       | 474,440                                 | 8                        | 4                       |
| 44,026                                  | 162                      | 116                     | 29,479                                  | 175                      | 125                     | 28,372                                  | 181                      | 129                     |
| 89,750                                  | 111                      | 74                      | 84,082                                  | 110                      | 73                      | 88,884                                  | 105                      | 68                      |
| 377,185                                 | 22                       | 11                      | 336,405                                 | 22                       | 11                      | 331,296                                 | 22                       | 11                      |
| 125,713                                 | 85                       | 55                      | 97,433                                  | 99                       | 64                      | 95,369                                  | 102                      | 66                      |
| 161,636                                 | 70                       | 44                      | 148,411                                 | 66                       | 41                      | 135,578                                 | 69                       | 42                      |
| 159,084                                 | 71                       | 27                      | 144,454                                 | 69                       | 26                      | 146,298                                 | 66                       | 26                      |
| 105,333                                 | 101                      | 64                      | 95,824                                  | 102                      | 67                      | 97,668                                  | 100                      | 65                      |
| 466,993                                 | 16                       | 8                       | 414,045                                 | 15                       | 7                       | 393,918                                 | 14                       | 7                       |
| 131,418                                 | 81                       | 51                      | 116,682                                 | 88                       | 55                      | 115,904                                 | 84                       | 52                      |
| 156,065                                 | 72                       | 28                      | 125,122                                 | 80                       | 31                      | 126,709                                 | 74                       | 28                      |
| 74,465                                  | 123                      | 83                      | 64,388                                  | 127                      | 86                      | 68,147                                  | 120                      | 81                      |
| 153,066                                 | 73                       | 29                      | 127,378                                 | 78                       | 30                      | 117,587                                 | 83                       | 32                      |
| 475,010                                 | 14                       | 6                       | 378,914                                 | 19                       | 9                       | 374,551                                 | 16                       | 9                       |
| 163,399                                 | 69                       | 26                      | 137,108                                 | 70                       | 27                      | 143,866                                 | 68                       | 27                      |

| Research by Major Discipline                                            |                                             | 2012 Total Research by Major Discipline |                          |                        |                     |                          |              |
|-------------------------------------------------------------------------|---------------------------------------------|-----------------------------------------|--------------------------|------------------------|---------------------|--------------------------|--------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                             | Percent Life Science                    | Percent Physical Science | Percent Enviro Science | Percent Eng Science | Percent Computer Science | Percent Math |
| Public                                                                  | Arizona State University - Tempe            | 20.9%                                   | 8.5%                     | 7.9%                   | 29.1%               | 3.0%                     | 1.4%         |
| Public                                                                  | Auburn University                           | 52.9%                                   | 4.1%                     | 1.6%                   | 34.8%               | 0.0%                     | 0.4%         |
| Private                                                                 | Baylor College of Medicine                  | 100%                                    | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         |
| Private                                                                 | Boston University                           | 69.0%                                   | 10.4%                    | 1.8%                   | 12.0%               | 1.2%                     | 1.0%         |
| Private                                                                 | Brandeis University                         | 39.5%                                   | 11.5%                    | 0.0%                   | 0.0%                | 1.7%                     | 0.7%         |
| Private                                                                 | Brown University                            | 48.5%                                   | 10.6%                    | 5.1%                   | 12.3%               | 4.8%                     | 6.2%         |
| Private                                                                 | California Institute of Technology          | 17.2%                                   | 61.4%                    | 4.4%                   | 11.6%               | 1.6%                     | 2.6%         |
| Private                                                                 | Carnegie Mellon University                  | 5.8%                                    | 5.3%                     | 0.6%                   | 35.1%               | 42.8%                    | 1.8%         |
| Private                                                                 | Case Western Reserve University             | 85.0%                                   | 2.5%                     | 0.3%                   | 10.4%               | 0.0%                     | 0.2%         |
| Public                                                                  | Clemson University                          | 30.6%                                   | 7.0%                     | 0.0%                   | 49.3%               | 4.6%                     | 1.7%         |
| Public                                                                  | Cleveland State University                  | 64.8%                                   | 2.0%                     | 0.4%                   | 28.7%               | 0.0%                     | 0.3%         |
| Private                                                                 | Cold Springs Harbor Laboratory              | 100%                                    | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         |
| Public                                                                  | Colorado State University - Fort Collins    | 37.9%                                   | 3.6%                     | 40.9%                  | 11.0%               | 1.1%                     | 1.0%         |
| Private                                                                 | Columbia University                         | 70.3%                                   | 5.5%                     | 10.9%                  | 7.0%                | 2.5%                     | 0.6%         |
| Private                                                                 | Cornell University                          | 47.5%                                   | 19.4%                    | 3.8%                   | 17.3%               | 3.8%                     | 0.7%         |
| Private                                                                 | Dartmouth College                           | 74.4%                                   | 4.3%                     | 1.3%                   | 11.3%               | 2.8%                     | 0.8%         |
| Private                                                                 | Drexel University                           | 49.1%                                   | 2.3%                     | 0.0%                   | 41.7%               | 2.9%                     | 0.6%         |
| Private                                                                 | Duke University                             | 84.7%                                   | 2.0%                     | 2.0%                   | 5.8%                | 0.5%                     | 1.1%         |
| Private                                                                 | Emory University                            | 82.7%                                   | 3.2%                     | 0.0%                   | 3.5%                | 0.6%                     | 0.4%         |
| Public                                                                  | Florida International University            | 47.4%                                   | 5.9%                     | 6.2%                   | 22.6%               | 8.7%                     | 0.4%         |
| Public                                                                  | Florida State University                    | 17.6%                                   | 31.7%                    | 10.8%                  | 20.0%               | 2.7%                     | 2.5%         |
| Public                                                                  | George Mason University                     | 15.8%                                   | 8.9%                     | 10.8%                  | 12.1%               | 13.3%                    | 2.5%         |
| Private                                                                 | George Washington University                | 66.2%                                   | 2.7%                     | 0.5%                   | 8.6%                | 1.6%                     | 0.8%         |
| Private                                                                 | Georgetown University                       | 85.9%                                   | 3.3%                     | 0.0%                   | 0.0%                | 0.6%                     | 0.1%         |
| Public                                                                  | Georgia Health Sciences University          | 100%                                    | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         |
| Public                                                                  | Georgia Institute of Technology             | 3.1%                                    | 7.5%                     | 2.2%                   | 70.6%               | 12.6%                    | 1.0%         |
| Private                                                                 | Harvard University                          | 63.7%                                   | 8.8%                     | 3.4%                   | 6.4%                | 0.1%                     | 1.3%         |
| Private                                                                 | Icahn School of Medicine at Mount Sinai     | 100%                                    | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         |
| Public                                                                  | Indiana University - Bloomington            | 27.3%                                   | 23.5%                    | 2.3%                   | 0.0%                | 11.3%                    | 1.6%         |
| Public                                                                  | Indiana Univ. - Purdue Univ. - Indianapolis | 90.8%                                   | 0.5%                     | 0.4%                   | 2.3%                | 0.4%                     | 0.3%         |
| Public                                                                  | Iowa State University                       | 51.3%                                   | 8.8%                     | 0.9%                   | 25.0%               | 2.7%                     | 4.6%         |
| Private                                                                 | Johns Hopkins University                    | 40.7%                                   | 8.0%                     | 1.9%                   | 41.1%               | 4.6%                     | 1.9%         |
| Public                                                                  | Kansas State University                     | 64.0%                                   | 6.7%                     | 0.4%                   | 14.1%               | 2.2%                     | 0.7%         |
| Public                                                                  | Louisiana State University - Baton Rouge    | 55.7%                                   | 8.4%                     | 11.6%                  | 13.3%               | 1.0%                     | 0.9%         |
| Public                                                                  | Louisiana State Univ. HSC - New Orleans     | 100%                                    | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         |
| Private                                                                 | Massachusetts Institute of Technology       | 15.5%                                   | 14.9%                    | 5.5%                   | 47.4%               | 7.7%                     | 1.2%         |
| Private                                                                 | Medical College of Wisconsin                | 100%                                    | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         |
| Public                                                                  | Medical University of South Carolina        | 100%                                    | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         |
| Public                                                                  | Michigan State University                   | 54.0%                                   | 19.3%                    | 2.6%                   | 9.7%                | 2.3%                     | 1.4%         |
| Public                                                                  | Mississippi State University                | 49.1%                                   | 3.1%                     | 4.4%                   | 24.6%               | 4.5%                     | 0.5%         |
| Public                                                                  | Montana State University - Bozeman          | 41.2%                                   | 19.3%                    | 8.2%                   | 19.1%               | 0.5%                     | 0.9%         |
| Public                                                                  | Naval Postgraduate School                   | 0.2%                                    | 9.0%                     | 14.7%                  | 18.0%               | 13.0%                    | 6.2%         |
| Public                                                                  | New Jersey Institute of Technology          | 0.9%                                    | 14.4%                    | 0.0%                   | 55.4%               | 4.3%                     | 4.5%         |
| Public                                                                  | New Mexico State University - Las Cruces    | 27.0%                                   | 13.1%                    | 1.1%                   | 51.3%               | 1.3%                     | 1.8%         |
| Private                                                                 | New York University                         | 85.3%                                   | 3.6%                     | 0.3%                   | 0.0%                | 1.8%                     | 2.4%         |
| Public                                                                  | North Carolina State University             | 48.3%                                   | 4.5%                     | 4.7%                   | 30.7%               | 2.8%                     | 5.2%         |
| Public                                                                  | North Dakota State University               | 62.8%                                   | 10.7%                    | 0.1%                   | 8.8%                | 2.0%                     | 0.1%         |
| Private                                                                 | Northeastern University                     | 26.6%                                   | 18.9%                    | 2.4%                   | 37.4%               | 7.2%                     | 1.0%         |
| Private                                                                 | Northwestern University                     | 71.1%                                   | 7.5%                     | 0.3%                   | 13.3%               | 0.0%                     | 0.5%         |

# The Top American Research Universities

|                    |                        |                       | 2012 Federal Research by Major Discipline |                          |                        |                     |                          |              |                    |                        |                       |
|--------------------|------------------------|-----------------------|-------------------------------------------|--------------------------|------------------------|---------------------|--------------------------|--------------|--------------------|------------------------|-----------------------|
| Percent Psychology | Percent Social Science | Percent Other Science | Percent Life Science                      | Percent Physical Science | Percent Enviro Science | Percent Eng Science | Percent Computer Science | Percent Math | Percent Psychology | Percent Social Science | Percent Other Science |
| 3.6%               | 10.2%                  | 15.4%                 | 22.0%                                     | 11.4%                    | 13.0%                  | 26.9%               | 3.8%                     | 2.1%         | 5.7%               | 7.8%                   | 7.4%                  |
| 0.5%               | 2.5%                   | 3.1%                  | 38.2%                                     | 7.6%                     | 2.6%                   | 44.1%               | 0.0%                     | 0.8%         | 0.8%               | 5.2%                   | 0.7%                  |
| 0.0%               | 0.0%                   | 0.0%                  | 100%                                      | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         | 0.0%               | 0.0%                   | 0.0%                  |
| 3.9%               | 0.6%                   | 0.1%                  | 68.0%                                     | 10.9%                    | 2.0%                   | 12.1%               | 1.2%                     | 1.1%         | 4.2%               | 0.5%                   | 0.1%                  |
| 4.2%               | 25.2%                  | 17.2%                 | 51.7%                                     | 15.8%                    | 0.0%                   | 0.0%                | 2.6%                     | 1.0%         | 6.3%               | 22.6%                  | 0.0%                  |
| 1.9%               | 7.3%                   | 3.2%                  | 55.2%                                     | 11.7%                    | 4.7%                   | 8.8%                | 4.2%                     | 7.7%         | 2.6%               | 2.3%                   | 2.9%                  |
| 0.0%               | 1.1%                   | 0.0%                  | 15.3%                                     | 63.8%                    | 4.2%                   | 11.4%               | 1.3%                     | 2.9%         | 0.0%               | 1.0%                   | 0.0%                  |
| 4.2%               | 2.2%                   | 2.2%                  | 4.9%                                      | 5.2%                     | 0.5%                   | 34.7%               | 45.4%                    | 1.9%         | 4.3%               | 2.0%                   | 1.0%                  |
| 0.3%               | 1.1%                   | 0.2%                  | 87.5%                                     | 1.9%                     | 0.2%                   | 8.7%                | 0.0%                     | 0.1%         | 0.4%               | 1.1%                   | 0.1%                  |
| 1.0%               | 4.1%                   | 1.6%                  | 19.9%                                     | 9.4%                     | 0.0%                   | 57.9%               | 5.4%                     | 1.7%         | 1.7%               | 4.1%                   | 0.1%                  |
| 0.1%               | 3.7%                   | 0.0%                  | 75.0%                                     | 2.0%                     | 0.5%                   | 21.0%               | 0.0%                     | 0.3%         | 0.1%               | 1.1%                   | 0.0%                  |
| 0.0%               | 0.0%                   | 0.0%                  | 100%                                      | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         | 0.0%               | 0.0%                   | 0.0%                  |
| 1.2%               | 1.9%                   | 1.4%                  | 34.4%                                     | 3.9%                     | 45.9%                  | 10.4%               | 1.4%                     | 1.1%         | 1.3%               | 1.6%                   | 0.0%                  |
| 0.8%               | 2.5%                   | 0.0%                  | 67.3%                                     | 6.9%                     | 13.5%                  | 7.0%                | 2.7%                     | 0.70%        | 0.9%               | 1.1%                   | 0.0%                  |
| 1.6%               | 5.7%                   | 0.1%                  | 34.2%                                     | 30.5%                    | 3.4%                   | 21.0%               | 5.4%                     | 1.12%        | 1.2%               | 3.0%                   | 0.1%                  |
| 2.8%               | 0.8%                   | 1.5%                  | 75.1%                                     | 4.9%                     | 1.5%                   | 9.9%                | 3.1%                     | 0.90%        | 3.1%               | 0.6%                   | 1.0%                  |
| 3.0%               | 0.4%                   | 0.0%                  | 50.5%                                     | 2.6%                     | 0.0%                   | 40.2%               | 2.8%                     | 0.80%        | 3.0%               | 0.1%                   | 0.0%                  |
| 1.8%               | 2.1%                   | 0.0%                  | 79.1%                                     | 3.0%                     | 2.1%                   | 8.6%                | 0.8%                     | 1.54%        | 2.7%               | 2.2%                   | 0.0%                  |
| 9.2%               | 0.5%                   | 0.0%                  | 80.9%                                     | 2.7%                     | 0.0%                   | 3.2%                | 0.7%                     | 0.41%        | 11.5%              | 0.6%                   | 0.0%                  |
| 4.1%               | 4.7%                   | 0.0%                  | 47.3%                                     | 6.8%                     | 8.5%                   | 20.7%               | 7.8%                     | 0.46%        | 4.7%               | 3.8%                   | 0.0%                  |
| 10.3%              | 3.7%                   | 0.7%                  | 18.4%                                     | 27.8%                    | 10.1%                  | 25.2%               | 2.9%                     | 2.69%        | 11.4%              | 1.5%                   | 0.0%                  |
| 7.7%               | 28.9%                  | 0.0%                  | 15.1%                                     | 11.3%                    | 12.2%                  | 14.8%               | 17.3%                    | 3.01%        | 9.0%               | 17.3%                  | 0.0%                  |
| 1.8%               | 15.5%                  | 2.3%                  | 68.4%                                     | 2.3%                     | 0.4%                   | 7.2%                | 2.0%                     | 0.70%        | 2.2%               | 13.1%                  | 3.6%                  |
| 1.0%               | 9.2%                   | 0.0%                  | 90.4%                                     | 4.5%                     | 0.0%                   | 0.0%                | 0.8%                     | 0.14%        | 1.3%               | 2.9%                   | 0.0%                  |
| 0.0%               | 0.0%                   | 0.0%                  | 100%                                      | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.00%        | 0.0%               | 0.0%                   | 0.0%                  |
| 0.9%               | 1.4%                   | 0.8%                  | 2.5%                                      | 7.7%                     | 2.3%                   | 70.6%               | 13.8%                    | 0.62%        | 0.9%               | 1.2%                   | 0.4%                  |
| 0.6%               | 6.3%                   | 9.6%                  | 66.6%                                     | 10.0%                    | 3.7%                   | 6.7%                | 0.1%                     | 1.60%        | 0.6%               | 2.3%                   | 8.4%                  |
| 0.0%               | 0.0%                   | 0.0%                  | 100%                                      | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.00%        | 0.0%               | 0.0%                   | 0.0%                  |
| 7.9%               | 20.3%                  | 5.8%                  | 35.1%                                     | 27.6%                    | 2.9%                   | 0.0%                | 13.6%                    | 2.06%        | 10.1%              | 7.7%                   | 1.0%                  |
| 0.6%               | 3.0%                   | 1.8%                  | 92.6%                                     | 0.7%                     | 0.5%                   | 2.9%                | 0.5%                     | 0.52%        | 0.7%               | 1.4%                   | 0.2%                  |
| 0.5%               | 5.7%                   | 0.5%                  | 45.4%                                     | 9.7%                     | 0.8%                   | 28.4%               | 3.0%                     | 4.81%        | 0.1%               | 7.1%                   | 0.8%                  |
| 0.3%               | 0.4%                   | 1.2%                  | 35.6%                                     | 8.6%                     | 2.0%                   | 44.9%               | 4.9%                     | 2.11%        | 0.3%               | 0.4%                   | 1.2%                  |
| 1.4%               | 3.7%                   | 6.8%                  | 57.2%                                     | 13.4%                    | 0.3%                   | 16.3%               | 4.1%                     | 0.87%        | 2.0%               | 4.2%                   | 1.7%                  |
| 0.5%               | 2.9%                   | 5.7%                  | 52.7%                                     | 14.3%                    | 10.0%                  | 12.3%               | 1.4%                     | 1.60%        | 1.0%               | 3.3%                   | 3.3%                  |
| 0.0%               | 0.0%                   | 0.0%                  | 100%                                      | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.00%        | 0.0%               | 0.0%                   | 0.0%                  |
| 0.3%               | 2.0%                   | 5.6%                  | 15.5%                                     | 21.0%                    | 6.6%                   | 44.6%               | 7.8%                     | 1.54%        | 0.3%               | 1.1%                   | 1.6%                  |
| 0.0%               | 0.0%                   | 0.0%                  | 100%                                      | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.00%        | 0.0%               | 0.0%                   | 0.0%                  |
| 0.0%               | 0.0%                   | 0.0%                  | 100%                                      | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.00%        | 0.0%               | 0.0%                   | 0.0%                  |
| 1.9%               | 7.3%                   | 1.5%                  | 46.5%                                     | 24.1%                    | 4.3%                   | 10.3%               | 2.6%                     | 1.93%        | 2.7%               | 6.7%                   | 0.9%                  |
| 0.7%               | 9.2%                   | 4.0%                  | 35.5%                                     | 2.1%                     | 5.7%                   | 36.6%               | 6.3%                     | 0.04%        | 0.6%               | 8.4%                   | 4.9%                  |
| 0.1%               | 1.8%                   | 8.9%                  | 36.2%                                     | 23.7%                    | 10.3%                  | 15.6%               | 0.5%                     | 1.17%        | 0.2%               | 1.1%                   | 11.2%                 |
| 0.0%               | 9.7%                   | 29.2%                 | 0.2%                                      | 9.0%                     | 15.2%                  | 17.0%               | 13.3%                    | 6.28%        | 0.0%               | 9.8%                   | 29.3%                 |
| 0.0%               | 0.5%                   | 20.0%                 | 0.2%                                      | 15.9%                    | 0.0%                   | 57.0%               | 1.4%                     | 3.69%        | 0.0%               | 0.4%                   | 21.4%                 |
| 0.3%               | 0.1%                   | 4.0%                  | 16.5%                                     | 11.9%                    | 0.9%                   | 63.5%               | 1.4%                     | 2.48%        | 0.3%               | 0.1%                   | 3.0%                  |
| 4.9%               | 1.9%                   | 0.0%                  | 83.0%                                     | 4.6%                     | 0.0%                   | 0.0%                | 2.1%                     | 3.16%        | 6.0%               | 1.2%                   | 0.0%                  |
| 0.6%               | 2.8%                   | 0.5%                  | 34.7%                                     | 7.0%                     | 6.7%                   | 36.0%               | 5.0%                     | 6.91%        | 1.1%               | 2.3%                   | 0.3%                  |
| 2.4%               | 10.3%                  | 2.7%                  | 31.8%                                     | 25.0%                    | 0.3%                   | 12.3%               | 4.5%                     | 0.25%        | 6.5%               | 15.8%                  | 3.5%                  |
| 3.1%               | 3.5%                   | 0.0%                  | 27.6%                                     | 18.2%                    | 2.3%                   | 37.9%               | 8.3%                     | 1.10%        | 3.3%               | 1.4%                   | 0.0%                  |
| 0.7%               | 2.2%                   | 4.5%                  | 70.7%                                     | 8.4%                     | 0.3%                   | 14.5%               | 0.0%                     | 0.56%        | 0.8%               | 1.7%                   | 3.1%                  |

| Research by Major Discipline                                            |                                            | 2012 Total Research by Major Discipline |                          |                        |                     |                          |              |
|-------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------|--------------------------|------------------------|---------------------|--------------------------|--------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                            | Percent Life Science                    | Percent Physical Science | Percent Enviro Science | Percent Eng Science | Percent Computer Science | Percent Math |
| Public                                                                  | Ohio State University - Columbus           | 59.7%                                   | 4.8%                     | 1.5%                   | 20.7%               | 4.7%                     | 1.2%         |
| Public                                                                  | Oklahoma State University - Stillwater     | 40.4%                                   | 5.3%                     | 1.9%                   | 36.4%               | 1.5%                     | 1.5%         |
| Public                                                                  | Oregon Health & Science University         | 88.4%                                   | 0.0%                     | 3.0%                   | 3.7%                | 4.2%                     | 0.0%         |
| Public                                                                  | Oregon State University                    | 52.8%                                   | 2.1%                     | 21.6%                  | 13.4%               | 1.5%                     | 0.5%         |
| Public                                                                  | Pennsylvania St. Univ. - Hershey Med. Ctr. | 100%                                    | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         |
| Public                                                                  | Pennsylvania State University - Univ. Park | 25.0%                                   | 8.9%                     | 7.7%                   | 42.7%               | 5.7%                     | 1.7%         |
| Private                                                                 | Princeton University                       | 18.3%                                   | 18.2%                    | 9.4%                   | 31.9%               | 4.6%                     | 4.4%         |
| Public                                                                  | Purdue University - West Lafayette         | 39.3%                                   | 6.0%                     | 1.1%                   | 40.9%               | 4.1%                     | 1.4%         |
| Private                                                                 | Rensselaer Polytechnic Institute           | 3.3%                                    | 14.3%                    | 2.8%                   | 63.8%               | 8.4%                     | 2.9%         |
| Private                                                                 | Rice University                            | 8.4%                                    | 24.6%                    | 3.4%                   | 42.0%               | 7.9%                     | 5.1%         |
| Private                                                                 | Rockefeller University                     | 94.3%                                   | 3.0%                     | 0.2%                   | 0.0%                | 2.2%                     | 0.4%         |
| Private                                                                 | Rush University                            | 96.0%                                   | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         |
| Public                                                                  | Rutgers University - New Brunswick         | 47.2%                                   | 12.4%                    | 7.3%                   | 14.5%               | 1.7%                     | 4.1%         |
| Public                                                                  | San Diego State University                 | 44.6%                                   | 6.7%                     | 3.5%                   | 11.7%               | 2.1%                     | 4.4%         |
| Private                                                                 | Scripps Research Institute                 | 100%                                    | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         |
| Public                                                                  | South Dakota State University              | 65.9%                                   | 5.0%                     | 5.2%                   | 16.8%               | 1.2%                     | 0.8%         |
| Private                                                                 | Stanford University                        | 63.0%                                   | 10.9%                    | 3.4%                   | 15.5%               | 2.5%                     | 1.1%         |
| Public                                                                  | Stony Brook University                     | 45.5%                                   | 14.2%                    | 14.1%                  | 10.4%               | 3.4%                     | 4.2%         |
| Public                                                                  | Temple University                          | 71.6%                                   | 7.6%                     | 0.5%                   | 5.0%                | 2.7%                     | 0.7%         |
| Public                                                                  | Texas A&M University - College Station     | 32.5%                                   | 6.8%                     | 16.0%                  | 38.2%               | 1.2%                     | 1.9%         |
| Private                                                                 | Thomas Jefferson University                | 100%                                    | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         |
| Private                                                                 | Tufts University                           | 76.1%                                   | 4.1%                     | 0.2%                   | 11.2%               | 1.5%                     | 1.2%         |
| Private                                                                 | Tulane University                          | 88.2%                                   | 3.1%                     | 1.3%                   | 3.6%                | 0.0%                     | 1.2%         |
| Public                                                                  | Uniformed Services University of the HS    | 93.7%                                   | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         |
| Public                                                                  | University at Albany                       | 76.2%                                   | 2.3%                     | 5.2%                   | 0.0%                | 3.8%                     | 0.2%         |
| Public                                                                  | University at Buffalo                      | 66.8%                                   | 5.1%                     | 0.9%                   | 19.2%               | 4.7%                     | 0.3%         |
| Public                                                                  | University of Alabama - Birmingham         | 93.4%                                   | 0.7%                     | 0.2%                   | 4.3%                | 0.2%                     | 0.3%         |
| Public                                                                  | University of Alabama - Huntsville         | 2.5%                                    | 8.9%                     | 9.8%                   | 48.6%               | 26.1%                    | 0.5%         |
| Public                                                                  | University of Alaska - Fairbanks           | 21.3%                                   | 7.9%                     | 49.0%                  | 12.2%               | 3.7%                     | 0.1%         |
| Public                                                                  | University of Arizona                      | 48.0%                                   | 29.1%                    | 5.3%                   | 10.2%               | 1.5%                     | 0.7%         |
| Public                                                                  | University of Arkansas for Med. Sciences   | 100%                                    | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         |
| Public                                                                  | University of California - Berkeley        | 30.0%                                   | 13.4%                    | 1.7%                   | 24.7%               | 0.0%                     | 0.9%         |
| Public                                                                  | University of California - Davis           | 73.4%                                   | 4.4%                     | 3.7%                   | 11.8%               | 1.3%                     | 0.5%         |
| Public                                                                  | University of California - Irvine          | 61.7%                                   | 11.8%                    | 2.5%                   | 12.5%               | 4.3%                     | 1.3%         |
| Public                                                                  | University of California - Los Angeles     | 73.5%                                   | 7.8%                     | 2.1%                   | 7.3%                | 1.7%                     | 0.9%         |
| Public                                                                  | University of California - Riverside       | 53.0%                                   | 12.2%                    | 6.9%                   | 20.0%               | 2.9%                     | 0.7%         |
| Public                                                                  | University of California - San Diego       | 58.7%                                   | 6.0%                     | 14.1%                  | 11.8%               | 4.6%                     | 0.4%         |
| Public                                                                  | University of California - San Francisco   | 98.6%                                   | 1.4%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         |
| Public                                                                  | University of California - Santa Barbara   | 8.2%                                    | 18.0%                    | 13.5%                  | 45.0%               | 6.1%                     | 0.5%         |
| Public                                                                  | University of California - Santa Cruz      | 11.6%                                   | 24.4%                    | 13.8%                  | 40.3%               | 4.3%                     | 0.7%         |
| Public                                                                  | University of Central Florida              | 8.2%                                    | 19.3%                    | 14.7%                  | 32.9%               | 0.4%                     | 0.5%         |
| Private                                                                 | University of Chicago                      | 72.3%                                   | 14.2%                    | 1.6%                   | 0.0%                | 7.6%                     | 1.1%         |
| Public                                                                  | University of Cincinnati - Cincinnati      | 85.7%                                   | 1.7%                     | 0.2%                   | 9.7%                | 0.0%                     | 0.3%         |
| Public                                                                  | University of Colorado - Boulder           | 9.5%                                    | 25.2%                    | 26.1%                  | 24.0%               | 3.6%                     | 0.7%         |
| Public                                                                  | University of Colorado - Denver            | 98.7%                                   | 0.1%                     | 0.0%                   | 0.5%                | 0.0%                     | 0.2%         |
| Public                                                                  | University of Connecticut - Health Center  | 100%                                    | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         |
| Public                                                                  | University of Connecticut - Storrs         | 34.7%                                   | 6.0%                     | 5.8%                   | 25.7%               | 2.2%                     | 0.7%         |
| Private                                                                 | University of Dayton                       | 1.5%                                    | 0.9%                     | 0.2%                   | 96.1%               | 0.5%                     | 0.1%         |
| Public                                                                  | University of Delaware                     | 28.7%                                   | 11.5%                    | 12.7%                  | 33.7%               | 3.7%                     | 1.5%         |

# The Top American Research Universities

|                    |                        |                       | 2012 Federal Research by Major Discipline |                          |                        |                     |                          |              |                    |                        |                       |
|--------------------|------------------------|-----------------------|-------------------------------------------|--------------------------|------------------------|---------------------|--------------------------|--------------|--------------------|------------------------|-----------------------|
| Percent Psychology | Percent Social Science | Percent Other Science | Percent Life Science                      | Percent Physical Science | Percent Enviro Science | Percent Eng Science | Percent Computer Science | Percent Math | Percent Psychology | Percent Social Science | Percent Other Science |
| 1.8%               | 2.8%                   | 2.9%                  | 62.8%                                     | 6.4%                     | 1.4%                   | 16.7%               | 2.3%                     | 1.8%         | 2.5%               | 3.7%                   | 2.3%                  |
| 0.9%               | 3.7%                   | 8.5%                  | 24.2%                                     | 3.8%                     | 0.6%                   | 58.9%               | 1.5%                     | 0.2%         | 0.0%               | 2.0%                   | 8.8%                  |
| 0.7%               | 0.0%                   | 0.0%                  | 87.7%                                     | 0.0%                     | 3.5%                   | 3.5%                | 4.7%                     | 0.0%         | 0.7%               | 0.0%                   | 0.0%                  |
| 0.0%               | 2.1%                   | 6.0%                  | 43.0%                                     | 2.3%                     | 27.4%                  | 14.6%               | 2.1%                     | 0.5%         | 0.0%               | 2.0%                   | 8.0%                  |
| 0.0%               | 0.0%                   | 0.0%                  | 100%                                      | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         | 0.0%               | 0.0%                   | 0.0%                  |
| 4.4%               | 3.9%                   | 0.0%                  | 19.0%                                     | 9.3%                     | 7.0%                   | 48.1%               | 7.4%                     | 2.0%         | 4.8%               | 2.4%                   | 0.0%                  |
| 3.7%               | 9.3%                   | 0.1%                  | 19.8%                                     | 19.2%                    | 8.0%                   | 32.6%               | 5.8%                     | 5.4%         | 3.4%               | 5.6%                   | 0.0%                  |
| 1.1%               | 5.7%                   | 0.3%                  | 31.0%                                     | 9.2%                     | 1.8%                   | 45.4%               | 5.9%                     | 2.0%         | 1.9%               | 2.7%                   | 0.0%                  |
| 3.5%               | 0.8%                   | 0.0%                  | 3.3%                                      | 14.7%                    | 3.5%                   | 59.5%               | 9.5%                     | 3.8%         | 4.9%               | 1.0%                   | 0.0%                  |
| 0.7%               | 3.9%                   | 4.0%                  | 8.4%                                      | 25.5%                    | 3.5%                   | 41.6%               | 9.7%                     | 5.8%         | 0.8%               | 1.7%                   | 3.0%                  |
| 0.0%               | 0.0%                   | 0.0%                  | 94.3%                                     | 5.0%                     | 0.3%                   | 0.0%                | 0.0%                     | 0.5%         | 0.0%               | 0.0%                   | 0.0%                  |
| 4.0%               | 0.0%                   | 0.0%                  | 96.2%                                     | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         | 3.8%               | 0.0%                   | 0.0%                  |
| 3.0%               | 9.2%                   | 0.5%                  | 45.9%                                     | 15.9%                    | 7.5%                   | 15.7%               | 1.8%                     | 4.6%         | 2.8%               | 5.7%                   | 0.2%                  |
| 19.4%              | 7.6%                   | 0.1%                  | 51.5%                                     | 5.7%                     | 3.8%                   | 6.1%                | 2.1%                     | 3.3%         | 22.0%              | 5.5%                   | 0.0%                  |
| 0.0%               | 0.0%                   | 0.0%                  | 100%                                      | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         | 0.0%               | 0.0%                   | 0.0%                  |
| 0.3%               | 4.8%                   | 0.2%                  | 63.5%                                     | 3.8%                     | 8.5%                   | 16.9%               | 2.0%                     | 0.6%         | 0.0%               | 4.5%                   | 0.3%                  |
| 1.4%               | 2.2%                   | 0.0%                  | 62.6%                                     | 11.7%                    | 1.8%                   | 17.1%               | 2.8%                     | 1.4%         | 1.4%               | 1.3%                   | 0.0%                  |
| 2.8%               | 1.0%                   | 4.5%                  | 49.0%                                     | 16.2%                    | 10.9%                  | 10.9%               | 5.2%                     | 3.5%         | 2.8%               | 0.5%                   | 1.0%                  |
| 8.7%               | 2.3%                   | 1.0%                  | 72.4%                                     | 7.3%                     | 0.5%                   | 3.9%                | 2.8%                     | 0.9%         | 9.9%               | 2.0%                   | 0.6%                  |
| 0.5%               | 1.5%                   | 1.5%                  | 28.3%                                     | 9.1%                     | 27.5%                  | 28.6%               | 1.8%                     | 2.4%         | 0.9%               | 1.0%                   | 0.4%                  |
| 0.0%               | 0.0%                   | 0.0%                  | 100%                                      | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         | 0.0%               | 0.0%                   | 0.0%                  |
| 3.4%               | 2.3%                   | 0.0%                  | 76.0%                                     | 4.8%                     | 0.3%                   | 11.2%               | 1.8%                     | 1.5%         | 1.9%               | 2.5%                   | 0.0%                  |
| 0.6%               | 2.1%                   | 0.0%                  | 91.3%                                     | 2.0%                     | 1.4%                   | 2.8%                | 0.0%                     | 0.9%         | 0.8%               | 0.9%                   | 0.0%                  |
| 6.4%               | 0.0%                   | 0.0%                  | 92.4%                                     | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         | 7.6%               | 0.0%                   | 0.0%                  |
| 1.9%               | 10.5%                  | 0.0%                  | 82.9%                                     | 2.4%                     | 3.3%                   | 0.0%                | 3.5%                     | 0.2%         | 1.9%               | 5.8%                   | 0.0%                  |
| 1.5%               | 1.2%                   | 0.4%                  | 61.0%                                     | 5.3%                     | 1.2%                   | 24.0%               | 5.3%                     | 0.3%         | 1.9%               | 1.0%                   | 0.0%                  |
| 0.5%               | 0.3%                   | 0.0%                  | 92.2%                                     | 0.9%                     | 0.3%                   | 5.0%                | 0.3%                     | 0.4%         | 0.6%               | 0.4%                   | 0.0%                  |
| 0.2%               | 3.5%                   | 0.0%                  | 2.1%                                      | 8.2%                     | 9.4%                   | 48.9%               | 27.9%                    | 0.3%         | 0.1%               | 3.4%                   | 0.0%                  |
| 0.1%               | 1.5%                   | 4.3%                  | 22.0%                                     | 8.2%                     | 48.7%                  | 11.2%               | 4.5%                     | 0.1%         | 0.1%               | 1.7%                   | 3.6%                  |
| 0.6%               | 3.8%                   | 0.9%                  | 43.5%                                     | 35.4%                    | 4.1%                   | 9.5%                | 2.6%                     | 0.7%         | 0.6%               | 2.8%                   | 0.8%                  |
| 0.0%               | 0.0%                   | 0.0%                  | 100%                                      | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         | 0.0%               | 0.0%                   | 0.0%                  |
| 1.2%               | 6.2%                   | 21.9%                 | 35.8%                                     | 21.1%                    | 2.6%                   | 20.3%               | 0.0%                     | 1.6%         | 1.6%               | 3.4%                   | 13.7%                 |
| 0.5%               | 3.7%                   | 0.7%                  | 76.3%                                     | 6.0%                     | 2.3%                   | 9.3%                | 1.8%                     | 0.8%         | 0.6%               | 2.7%                   | 0.2%                  |
| 2.7%               | 3.1%                   | 0.1%                  | 63.7%                                     | 12.3%                    | 3.0%                   | 9.9%                | 4.4%                     | 1.8%         | 3.2%               | 1.8%                   | 0.0%                  |
| 1.4%               | 3.5%                   | 1.9%                  | 71.6%                                     | 10.8%                    | 2.4%                   | 7.5%                | 2.0%                     | 1.4%         | 1.7%               | 1.1%                   | 1.5%                  |
| 1.7%               | 1.9%                   | 0.8%                  | 42.8%                                     | 20.9%                    | 5.8%                   | 20.9%               | 5.0%                     | 1.0%         | 3.0%               | 0.6%                   | 0.2%                  |
| 2.4%               | 1.4%                   | 0.6%                  | 60.7%                                     | 7.8%                     | 14.4%                  | 8.6%                | 3.9%                     | 0.5%         | 2.7%               | 0.7%                   | 0.8%                  |
| 0.0%               | 0.0%                   | 0.0%                  | 98.1%                                     | 2.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         | 0.0%               | 0.0%                   | 0.0%                  |
| 3.1%               | 5.6%                   | 0.0%                  | 9.5%                                      | 21.2%                    | 11.7%                  | 43.8%               | 4.2%                     | 0.8%         | 4.2%               | 4.5%                   | 0.0%                  |
| 0.3%               | 4.3%                   | 0.4%                  | 12.2%                                     | 16.8%                    | 13.5%                  | 49.6%               | 3.8%                     | 0.7%         | 0.1%               | 3.3%                   | 0.0%                  |
| 1.6%               | 3.6%                   | 18.8%                 | 7.6%                                      | 19.4%                    | 17.5%                  | 29.4%               | 0.4%                     | 0.5%         | 2.2%               | 2.9%                   | 20.2%                 |
| 2.4%               | 0.7%                   | 0.0%                  | 68.5%                                     | 15.6%                    | 1.7%                   | 0.0%                | 9.2%                     | 1.1%         | 3.0%               | 0.8%                   | 0.0%                  |
| 0.5%               | 1.6%                   | 0.2%                  | 90.8%                                     | 1.5%                     | 0.2%                   | 6.2%                | 0.0%                     | 0.2%         | 0.4%               | 0.8%                   | 0.0%                  |
| 4.7%               | 4.8%                   | 1.6%                  | 8.3%                                      | 26.6%                    | 29.4%                  | 21.9%               | 4.0%                     | 0.8%         | 4.8%               | 2.6%                   | 1.8%                  |
| 0.1%               | 0.1%                   | 0.3%                  | 98.4%                                     | 0.1%                     | 0.1%                   | 0.6%                | 0.0%                     | 0.3%         | 0.1%               | 0.1%                   | 0.4%                  |
| 0.0%               | 0.0%                   | 0.0%                  | 100%                                      | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         | 0.0%               | 0.0%                   | 0.0%                  |
| 16.4%              | 3.8%                   | 4.7%                  | 27.8%                                     | 8.2%                     | 7.0%                   | 29.0%               | 2.9%                     | 0.8%         | 20.3%              | 3.6%                   | 0.5%                  |
| 0.0%               | 0.2%                   | 0.4%                  | 1.4%                                      | 1.1%                     | 0.2%                   | 96.7%               | 0.1%                     | 0.2%         | 0.0%               | 0.1%                   | 0.2%                  |
| 2.4%               | 5.2%                   | 0.7%                  | 20.4%                                     | 14.1%                    | 13.6%                  | 39.6%               | 4.4%                     | 1.8%         | 3.1%               | 2.6%                   | 0.6%                  |

| Research by Major Discipline                                            |                                            | 2012 Total Research by Major Discipline |                          |                        |                     |                          |              |
|-------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------|--------------------------|------------------------|---------------------|--------------------------|--------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                            | Percent Life Science                    | Percent Physical Science | Percent Enviro Science | Percent Eng Science | Percent Computer Science | Percent Math |
| Public                                                                  | University of Florida                      | 74.7%                                   | 4.9%                     | 1.5%                   | 13.5%               | 1.0%                     | 0.5%         |
| Public                                                                  | University of Georgia                      | 70.1%                                   | 4.0%                     | 4.3%                   | 3.3%                | 1.0%                     | 1.6%         |
| Public                                                                  | University of Hawaii - Manoa               | 39.6%                                   | 14.7%                    | 25.2%                  | 2.5%                | 6.6%                     | 0.0%         |
| Public                                                                  | University of Houston - University Park    | 18.1%                                   | 11.5%                    | 6.2%                   | 43.3%               | 6.9%                     | 1.9%         |
| Public                                                                  | University of Idaho                        | 63.7%                                   | 2.8%                     | 6.8%                   | 16.0%               | 2.7%                     | 0.3%         |
| Public                                                                  | University of Illinois - Chicago           | 77.2%                                   | 3.7%                     | 0.8%                   | 5.2%                | 2.9%                     | 0.8%         |
| Public                                                                  | University of Illinois - Urbana-Champaign  | 38.3%                                   | 11.2%                    | 1.5%                   | 26.4%               | 16.8%                    | 0.7%         |
| Public                                                                  | University of Iowa                         | 78.3%                                   | 5.6%                     | 0.5%                   | 10.8%               | 0.3%                     | 0.4%         |
| Public                                                                  | University of Kansas - Lawrence            | 62.6%                                   | 9.7%                     | 12.0%                  | 9.9%                | 0.8%                     | 0.5%         |
| Public                                                                  | University of Kansas Medical Center        | 100%                                    | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         |
| Public                                                                  | University of Kentucky                     | 69.9%                                   | 3.0%                     | 1.0%                   | 15.8%               | 0.9%                     | 0.6%         |
| Public                                                                  | University of Louisville                   | 81.1%                                   | 1.5%                     | 0.3%                   | 14.4%               | 0.4%                     | 0.0%         |
| Public                                                                  | University of Maryland - Baltimore         | 97.9%                                   | 0.0%                     | 0.6%                   | 1.5%                | 0.0%                     | 0.0%         |
| Public                                                                  | University of Maryland - Baltimore County  | 14.3%                                   | 12.0%                    | 23.1%                  | 14.3%               | 10.3%                    | 3.3%         |
| Public                                                                  | University of Maryland - College Park      | 19.8%                                   | 21.0%                    | 6.1%                   | 23.5%               | 9.1%                     | 1.5%         |
| Public                                                                  | University of Massachusetts - Amherst      | 34.8%                                   | 18.1%                    | 2.6%                   | 25.1%               | 10.6%                    | 1.8%         |
| Public                                                                  | University of Mass. Med. Sch. - Worcester  | 100%                                    | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         |
| Public                                                                  | University of Medicine & Dentistry of NJ   | 100%                                    | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         |
| Private                                                                 | University of Miami                        | 77.8%                                   | 1.4%                     | 15.2%                  | 1.6%                | 0.2%                     | 0.3%         |
| Public                                                                  | University of Michigan - Ann Arbor         | 61.0%                                   | 4.0%                     | 1.4%                   | 17.7%               | 0.5%                     | 1.1%         |
| Public                                                                  | University of Minnesota - Twin Cities      | 72.7%                                   | 4.6%                     | 1.8%                   | 11.3%               | 1.9%                     | 1.3%         |
| Public                                                                  | University of Missouri - Columbia          | 75.0%                                   | 3.0%                     | 0.7%                   | 16.1%               | 0.8%                     | 0.9%         |
| Public                                                                  | University of Nebraska - Lincoln           | 47.9%                                   | 10.0%                    | 2.3%                   | 16.6%               | 3.4%                     | 3.4%         |
| Public                                                                  | University of Nebraska Medical Center      | 100%                                    | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         |
| Public                                                                  | University of Nevada - Reno                | 41.4%                                   | 8.8%                     | 15.6%                  | 17.1%               | 0.7%                     | 0.4%         |
| Public                                                                  | University of New Hampshire - Durham       | 18.6%                                   | 2.1%                     | 42.8%                  | 28.3%               | 0.2%                     | 0.1%         |
| Public                                                                  | University of New Mexico - Albuquerque     | 58.0%                                   | 5.9%                     | 2.5%                   | 15.4%               | 1.8%                     | 0.9%         |
| Public                                                                  | University of North Carolina - Chapel Hill | 75.3%                                   | 3.5%                     | 3.5%                   | 0.5%                | 1.7%                     | 0.6%         |
| Public                                                                  | University of North Dakota                 | 21.3%                                   | 4.6%                     | 15.2%                  | 56.6%               | 0.0%                     | 0.0%         |
| Private                                                                 | University of Notre Dame                   | 17.7%                                   | 26.2%                    | 0.9%                   | 39.6%               | 4.2%                     | 1.6%         |
| Public                                                                  | University of Oklahoma - Norman            | 19.9%                                   | 11.1%                    | 33.0%                  | 25.5%               | 2.9%                     | 0.3%         |
| Public                                                                  | University of Oklahoma HSC                 | 100%                                    | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         |
| Public                                                                  | University of Oregon                       | 41.5%                                   | 23.2%                    | 4.3%                   | 2.6%                | 9.0%                     | 0.9%         |
| Private                                                                 | University of Pennsylvania                 | 83.7%                                   | 3.6%                     | 0.2%                   | 5.6%                | 2.0%                     | 0.4%         |
| Public                                                                  | University of Pittsburgh - Pittsburgh      | 88.0%                                   | 3.0%                     | 1.1%                   | 3.7%                | 0.8%                     | 0.5%         |
| Public                                                                  | University of Rhode Island                 | 24.5%                                   | 6.9%                     | 45.8%                  | 7.5%                | 0.7%                     | 0.0%         |
| Private                                                                 | University of Rochester                    | 64.8%                                   | 3.8%                     | 0.2%                   | 25.5%               | 0.8%                     | 0.1%         |
| Public                                                                  | University of South Carolina - Columbia    | 54.8%                                   | 6.2%                     | 7.3%                   | 20.1%               | 1.6%                     | 1.5%         |
| Public                                                                  | University of South Florida - Tampa        | 76.2%                                   | 2.1%                     | 5.3%                   | 9.5%                | 0.6%                     | 0.3%         |
| Private                                                                 | University of Southern California          | 60.9%                                   | 3.2%                     | 3.3%                   | 10.7%               | 16.8%                    | 0.6%         |
| Public                                                                  | University of Tennessee - Knoxville        | 12.2%                                   | 11.8%                    | 3.9%                   | 38.0%               | 15.4%                    | 0.3%         |
| Public                                                                  | University of Tennessee HSC                | 98.8%                                   | 0.0%                     | 0.0%                   | 0.8%                | 0.0%                     | 0.0%         |
| Public                                                                  | University of Texas - Austin               | 13.4%                                   | 17.0%                    | 12.2%                  | 36.1%               | 11.8%                    | 3.5%         |
| Public                                                                  | University of Texas HSC - Houston          | 100%                                    | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         |
| Public                                                                  | University of Texas HSC - San Antonio      | 100%                                    | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         |
| Public                                                                  | Univ. of Texas MD Anderson Cancer Ctr.     | 89.6%                                   | 2.3%                     | 0.0%                   | 0.0%                | 0.0%                     | 3.1%         |
| Public                                                                  | Univ. of Texas Medical Branch - Galveston  | 92.6%                                   | 0.0%                     | 0.0%                   | 7.4%                | 0.0%                     | 0.0%         |
| Public                                                                  | Univ. of Texas SW Medical Center - Dallas  | 100%                                    | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         |
| Public                                                                  | University of Utah                         | 63.3%                                   | 6.7%                     | 2.5%                   | 19.7%               | 5.5%                     | 0.9%         |

# The Top American Research Universities

|                    |                        |                       | 2012 Federal Research by Major Discipline |                          |                        |                     |                          |              |                    |                        |                       |
|--------------------|------------------------|-----------------------|-------------------------------------------|--------------------------|------------------------|---------------------|--------------------------|--------------|--------------------|------------------------|-----------------------|
| Percent Psychology | Percent Social Science | Percent Other Science | Percent Life Science                      | Percent Physical Science | Percent Enviro Science | Percent Eng Science | Percent Computer Science | Percent Math | Percent Psychology | Percent Social Science | Percent Other Science |
| 1.0%               | 2.8%                   | 0.1%                  | 68.9%                                     | 6.9%                     | 2.2%                   | 16.1%               | 1.6%                     | 0.7%         | 1.4%               | 2.0%                   | 0.1%                  |
| 6.8%               | 5.6%                   | 3.3%                  | 72.5%                                     | 4.9%                     | 4.3%                   | 3.8%                | 0.7%                     | 1.0%         | 9.9%               | 2.8%                   | 0.0%                  |
| 0.0%               | 1.7%                   | 9.6%                  | 36.7%                                     | 13.6%                    | 28.0%                  | 2.3%                | 9.8%                     | 0.0%         | 0.0%               | 1.4%                   | 8.1%                  |
| 10.3%              | 1.9%                   | 0.0%                  | 19.0%                                     | 10.4%                    | 3.5%                   | 39.9%               | 7.3%                     | 2.1%         | 15.9%              | 1.9%                   | 0.0%                  |
| 0.2%               | 2.9%                   | 4.6%                  | 58.7%                                     | 3.3%                     | 8.4%                   | 17.7%               | 3.3%                     | 0.4%         | 0.2%               | 2.3%                   | 5.7%                  |
| 3.5%               | 2.8%                   | 3.2%                  | 79.8%                                     | 4.3%                     | 0.6%                   | 4.5%                | 3.0%                     | 0.9%         | 3.8%               | 1.7%                   | 1.6%                  |
| 3.0%               | 1.9%                   | 0.2%                  | 28.9%                                     | 14.3%                    | 2.0%                   | 28.9%               | 20.7%                    | 0.9%         | 2.9%               | 1.2%                   | 0.3%                  |
| 2%                 | 1.7%                   | 0.3%                  | 79.6%                                     | 7.5%                     | 0.1%                   | 8.4%                | 0.5%                     | 0.5%         | 2.6%               | 0.7%                   | 0.1%                  |
| 0.7%               | 2.6%                   | 1.3%                  | 56.8%                                     | 14.0%                    | 13.2%                  | 8.7%                | 1.1%                     | 0.8%         | 0.9%               | 3.0%                   | 1.5%                  |
| 0.0%               | 0.0%                   | 0.0%                  | 100%                                      | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         | 0.0%               | 0.0%                   | 0.0%                  |
| 3.1%               | 2.8%                   | 3.0%                  | 66.9%                                     | 3.5%                     | 1.2%                   | 17.2%               | 0.9%                     | 1.0%         | 5.6%               | 1.5%                   | 2.3%                  |
| 1.1%               | 1.2%                   | 0.0%                  | 79.7%                                     | 1.8%                     | 0.4%                   | 14.3%               | 0.7%                     | 0.0%         | 1.9%               | 1.2%                   | 0.0%                  |
| 0.0%               | 0.0%                   | 0.0%                  | 98.3%                                     | 0.0%                     | 0.5%                   | 1.2%                | 0.0%                     | 0.0%         | 0.0%               | 0.0%                   | 0.0%                  |
| 3.5%               | 16.1%                  | 3.2%                  | 10.7%                                     | 12.6%                    | 29.9%                  | 14.6%               | 12.9%                    | 2.2%         | 3.0%               | 14.2%                  | 0.0%                  |
| 1.5%               | 17.6%                  | 0.0%                  | 16.2%                                     | 24.4%                    | 8.5%                   | 21.3%               | 9.2%                     | 1.7%         | 1.6%               | 17.2%                  | 0.0%                  |
| 2.7%               | 3.5%                   | 0.8%                  | 34.4%                                     | 20.4%                    | 2.9%                   | 23.1%               | 11.9%                    | 2.0%         | 3.1%               | 1.6%                   | 0.6%                  |
| 0.0%               | 0.0%                   | 0.0%                  | 100%                                      | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         | 0.0%               | 0.0%                   | 0.0%                  |
| 0.0%               | 0.0%                   | 0.0%                  | 100%                                      | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         | 0.0%               | 0.0%                   | 0.0%                  |
| 3.2%               | 0.2%                   | 0.0%                  | 71.0%                                     | 1.5%                     | 20.8%                  | 1.8%                | 0.3%                     | 0.4%         | 3.9%               | 0.2%                   | 0.0%                  |
| 2.0%               | 12.3%                  | 0.0%                  | 60.8%                                     | 4.3%                     | 1.4%                   | 19.2%               | 0.5%                     | 0.9%         | 2.0%               | 10.9%                  | 0.0%                  |
| 2.7%               | 3.7%                   | 0.1%                  | 71.6%                                     | 5.7%                     | 1.4%                   | 11.0%               | 2.1%                     | 1.6%         | 3.5%               | 3.2%                   | 0.0%                  |
| 0.6%               | 2.9%                   | 0.0%                  | 70.2%                                     | 5.4%                     | 1.3%                   | 15.5%               | 1.2%                     | 1.7%         | 1.0%               | 3.7%                   | 0.0%                  |
| 5.7%               | 6.4%                   | 4.2%                  | 34.7%                                     | 15.3%                    | 3.5%                   | 19.3%               | 4.0%                     | 4.4%         | 8.9%               | 5.5%                   | 4.4%                  |
| 0.0%               | 0.0%                   | 0.0%                  | 100%                                      | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         | 0.0%               | 0.0%                   | 0.0%                  |
| 0.8%               | 3.1%                   | 12.1%                 | 43.0%                                     | 12.0%                    | 18.3%                  | 19.1%               | 0.9%                     | 0.6%         | 1.2%               | 3.4%                   | 1.6%                  |
| 0.7%               | 4.6%                   | 2.6%                  | 14.9%                                     | 2.1%                     | 52.0%                  | 26.8%               | 0.3%                     | 0.1%         | 0.5%               | 2.8%                   | 0.6%                  |
| 6.2%               | 3.8%                   | 5.5%                  | 58.0%                                     | 6.6%                     | 2.7%                   | 16.5%               | 2.2%                     | 1.1%         | 7.4%               | 2.0%                   | 3.5%                  |
| 5.2%               | 9.8%                   | 0.1%                  | 74.6%                                     | 4.2%                     | 3.4%                   | 0.4%                | 2.0%                     | 0.7%         | 4.6%               | 10.0%                  | 0.0%                  |
| 0.0%               | 0.0%                   | 2.3%                  | 26.0%                                     | 5.4%                     | 14.8%                  | 53.4%               | 0.0%                     | 0.0%         | 0.0%               | 0.0%                   | 0.3%                  |
| 2.9%               | 2.8%                   | 4.2%                  | 16.8%                                     | 34.9%                    | 0.0%                   | 37.0%               | 5.1%                     | 2.1%         | 3.1%               | 0.6%                   | 0.5%                  |
| 1.6%               | 5.8%                   | 0.0%                  | 14.9%                                     | 16.0%                    | 33.7%                  | 24.6%               | 3.9%                     | 0.5%         | 2.3%               | 4.2%                   | 0.0%                  |
| 0.0%               | 0.0%                   | 0.0%                  | 100%                                      | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         | 0.0%               | 0.0%                   | 0.0%                  |
| 10.3%              | 5.6%                   | 2.7%                  | 40.9%                                     | 24.3%                    | 4.4%                   | 0.1%                | 10.4%                    | 1.1%         | 11.6%              | 4.1%                   | 3.3%                  |
| 1.3%               | 2.5%                   | 0.6%                  | 83.3%                                     | 3.9%                     | 0.3%                   | 6.1%                | 2.2%                     | 0.5%         | 1.4%               | 2.4%                   | 0.1%                  |
| 1.2%               | 0.5%                   | 1.3%                  | 88.3%                                     | 2.6%                     | 1.3%                   | 3.7%                | 0.8%                     | 0.5%         | 1.4%               | 0.5%                   | 1.1%                  |
| 1.7%               | 1.3%                   | 11.7%                 | 23.3%                                     | 7.6%                     | 46.3%                  | 8.6%                | 0.8%                     | 0.0%         | 2.1%               | 0.9%                   | 10.5%                 |
| 4.6%               | 0%                     | 0.1%                  | 62.0%                                     | 4.1%                     | 0.2%                   | 27.5%               | 0.9%                     | 0.1%         | 5.0%               | 0.0%                   | 0.2%                  |
| 4.0%               | 4.5%                   | 0.0%                  | 48.8%                                     | 8.2%                     | 8.2%                   | 21.1%               | 2.6%                     | 2.0%         | 4.8%               | 4.4%                   | 0.0%                  |
| 3.7%               | 2.2%                   | 0.2%                  | 77.8%                                     | 2.1%                     | 5.4%                   | 7.9%                | 0.6%                     | 0.3%         | 4.0%               | 1.6%                   | 0.2%                  |
| 1.8%               | 2.7%                   | 0.0%                  | 57.8%                                     | 2.5%                     | 3.5%                   | 10.0%               | 22.0%                    | 0.7%         | 1.9%               | 1.5%                   | 0.0%                  |
| 0.9%               | 4.8%                   | 12.9%                 | 12.1%                                     | 13.7%                    | 4.5%                   | 37.1%               | 20.9%                    | 0.4%         | 1.2%               | 4.2%                   | 5.9%                  |
| 0.0%               | 0.0%                   | 0.3%                  | 99.8%                                     | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         | 0.0%               | 0.0%                   | 0.3%                  |
| 1.7%               | 3.3%                   | 1.1%                  | 14.6%                                     | 18.1%                    | 7.8%                   | 35.0%               | 15.6%                    | 3.5%         | 2.2%               | 3.0%                   | 0.3%                  |
| 0.0%               | 0.0%                   | 0.0%                  | 100%                                      | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         | 0.0%               | 0.0%                   | 0.0%                  |
| 0.0%               | 0.0%                   | 0.0%                  | 100%                                      | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         | 0.0%               | 0.0%                   | 0.0%                  |
| 3.3%               | 1.7%                   | 0.0%                  | 85.9%                                     | 3.9%                     | 0.0%                   | 0.0%                | 0.0%                     | 3.0%         | 4.0%               | 3.2%                   | 0.0%                  |
| 0.0%               | 0.0%                   | 0.0%                  | 96.9%                                     | 0.0%                     | 0.0%                   | 3.1%                | 0.0%                     | 0.0%         | 0.0%               | 0.0%                   | 0.0%                  |
| 0.0%               | 0.0%                   | 0.0%                  | 100%                                      | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         | 0.0%               | 0.0%                   | 0.0%                  |
| 0.5%               | 1.0%                   | 0.0%                  | 66.5%                                     | 5.9%                     | 2.8%                   | 16.9%               | 5.7%                     | 1.1%         | 0.4%               | 0.8%                   | 0.0%                  |

| Research by Major Discipline                                            |                                            | 2012 Total Research by Major Discipline |                          |                        |                     |                          |              |
|-------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------|--------------------------|------------------------|---------------------|--------------------------|--------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                            | Percent Life Science                    | Percent Physical Science | Percent Enviro Science | Percent Eng Science | Percent Computer Science | Percent Math |
| Public                                                                  | University of Vermont                      | 81.3%                                   | 2.2%                     | 1.0%                   | 8.1%                | 0.6%                     | 0.6%         |
| Public                                                                  | University of Virginia                     | 65.8%                                   | 7.3%                     | 1.5%                   | 17.3%               | 2.2%                     | 0.3%         |
| Public                                                                  | University of Washington - Seattle         | 64.5%                                   | 4.7%                     | 15.1%                  | 9.8%                | 0.9%                     | 3.3%         |
| Public                                                                  | University of Wisconsin - Madison          | 67.1%                                   | 8.3%                     | 4.7%                   | 11.0%               | 2.2%                     | 0.7%         |
| Public                                                                  | University of Wyoming                      | 31.7%                                   | 7.0%                     | 45.1%                  | 10.2%               | 0.4%                     | 1.6%         |
| Public                                                                  | Utah State University                      | 32.2%                                   | 3.8%                     | 1.9%                   | 53.9%               | 0.9%                     | 0.2%         |
| Private                                                                 | Vanderbilt University                      | 80.3%                                   | 4.7%                     | 0.3%                   | 10.4%               | 0.0%                     | 0.2%         |
| Public                                                                  | Virginia Commonwealth University           | 76.4%                                   | 3.1%                     | 0.4%                   | 2.4%                | 0.3%                     | 1.4%         |
| Public                                                                  | Virginia Polytechnic Inst. and State Univ. | 44.8%                                   | 4.5%                     | 1.8%                   | 42.2%               | 2.9%                     | 0.8%         |
| Private                                                                 | Wake Forest University                     | 97.6%                                   | 1.9%                     | 0.0%                   | 0.0%                | 0.3%                     | 0.0%         |
| Public                                                                  | Washington State University - Pullman      | 57.8%                                   | 6.9%                     | 2.4%                   | 17.7%               | 0.1%                     | 0.5%         |
| Private                                                                 | Washington University in St. Louis         | 90.8%                                   | 2.6%                     | 1.3%                   | 2.9%                | 0.7%                     | 0.1%         |
| Public                                                                  | Wayne State University                     | 76.2%                                   | 8.1%                     | 0.2%                   | 8.6%                | 1.5%                     | 0.6%         |
| Private                                                                 | Weill Cornell Medical College              | 100%                                    | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         |
| Public                                                                  | West Virginia University                   | 59.9%                                   | 5.9%                     | 3.7%                   | 25.6%               | 0.3%                     | 0.3%         |
| Private                                                                 | Woods Hole Oceanographic Institution       | 0.0%                                    | 0.0%                     | 75.2%                  | 24.8%               | 0.0%                     | 0.0%         |
| Private                                                                 | Yale University                            | 85.9%                                   | 4.8%                     | 0.8%                   | 5.0%                | 1.0%                     | 0.4%         |
| Private                                                                 | Yeshiva University                         | 99.6%                                   | 0.2%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         |

|                    |                        |                       | 2012 Federal Research by Major Discipline |                          |                        |                     |                          |              |                    |                        |                       |
|--------------------|------------------------|-----------------------|-------------------------------------------|--------------------------|------------------------|---------------------|--------------------------|--------------|--------------------|------------------------|-----------------------|
| Percent Psychology | Percent Social Science | Percent Other Science | Percent Life Science                      | Percent Physical Science | Percent Enviro Science | Percent Eng Science | Percent Computer Science | Percent Math | Percent Psychology | Percent Social Science | Percent Other Science |
| 2.5%               | 0.3%                   | 3.5%                  | 81.3%                                     | 2.4%                     | 0.9%                   | 6.7%                | 0.6%                     | 0.5%         | 3.3%               | 0.2%                   | 4.2%                  |
| 2.4%               | 2.4%                   | 0.8%                  | 63.3%                                     | 9.1%                     | 1.6%                   | 18.6%               | 2.9%                     | 0.4%         | 3.0%               | 0.6%                   | 0.4%                  |
| 0.8%               | 0.7%                   | 0.3%                  | 63.2%                                     | 5.1%                     | 16.6%                  | 9.3%                | 0.5%                     | 3.8%         | 0.9%               | 0.6%                   | 0.0%                  |
| 0.6%               | 5.0%                   | 0.6%                  | 60.2%                                     | 10.9%                    | 6.7%                   | 13.1%               | 3.0%                     | 1.0%         | 0.6%               | 4.2%                   | 0.2%                  |
| 0.5%               | 2.8%                   | 0.7%                  | 30.3%                                     | 7.9%                     | 46.8%                  | 8.9%                | 0.4%                     | 1.8%         | 0.4%               | 3.1%                   | 0.4%                  |
| 5.4%               | 0.8%                   | 1.0%                  | 21.1%                                     | 4.5%                     | 2.0%                   | 64.7%               | 1.0%                     | 0.2%         | 5.9%               | 0.7%                   | 0.0%                  |
| 2.7%               | 1.1%                   | 0.4%                  | 79.7%                                     | 5.3%                     | 0.3%                   | 10.3%               | 0.0%                     | 0.2%         | 2.8%               | 0.9%                   | 0.4%                  |
| 2.7%               | 1.4%                   | 11.9%                 | 86.1%                                     | 4.2%                     | 0.3%                   | 2.9%                | 0.3%                     | 2.0%         | 3.4%               | 0.8%                   | 0.0%                  |
| 0.8%               | 1.9%                   | 0.4%                  | 42.4%                                     | 5.7%                     | 1.9%                   | 43.4%               | 3.0%                     | 0.9%         | 1.2%               | 1.0%                   | 0.6%                  |
| 0.2%               | 0.0%                   | 0.0%                  | 97.9%                                     | 1.6%                     | 0.0%                   | 0.0%                | 0.4%                     | 0.0%         | 0.2%               | 0.0%                   | 0.0%                  |
| 0.7%               | 10.6%                  | 3.3%                  | 54.8%                                     | 12.7%                    | 2.5%                   | 19.7%               | 0.1%                     | 0.9%         | 0.9%               | 8.0%                   | 0.3%                  |
| 1.0%               | 0.2%                   | 0.4%                  | 89.0%                                     | 3.2%                     | 1.6%                   | 3.5%                | 1.0%                     | 0.1%         | 1.1%               | 0.1%                   | 0.4%                  |
| 2.3%               | 1.4%                   | 1.0%                  | 78.2%                                     | 7.6%                     | 0.2%                   | 8.4%                | 1.6%                     | 0.4%         | 3.1%               | 0.5%                   | 0.0%                  |
| 0.0%               | 0.0%                   | 0.0%                  | 100%                                      | 0.0%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         | 0.0%               | 0.0%                   | 0.0%                  |
| 0.4%               | 2.2%                   | 1.7%                  | 54.8%                                     | 7.0%                     | 4.3%                   | 31.0%               | 0.3%                     | 0.2%         | 0.1%               | 1.0%                   | 1.2%                  |
| 0.0%               | 0.0%                   | 0.0%                  | 0.0%                                      | 0.0%                     | 72.8%                  | 27.2%               | 0.0%                     | 0.0%         | 0.0%               | 0.0%                   | 0.0%                  |
| 1.2%               | 0.9%                   | 0.0%                  | 86.6%                                     | 4.8%                     | 0.8%                   | 5.0%                | 1.1%                     | 0.4%         | 0.8%               | 0.5%                   | 0.0%                  |
| 0.2%               | 0.0%                   | 0.0%                  | 99.4%                                     | 0.3%                     | 0.0%                   | 0.0%                | 0.0%                     | 0.0%         | 0.3%               | 0.0%                   | 0.0%                  |

| Endowment Assets                                                        |                                       |                                         |                          |                         |                                         |                          |                         |
|-------------------------------------------------------------------------|---------------------------------------|-----------------------------------------|--------------------------|-------------------------|-----------------------------------------|--------------------------|-------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                       | 2013<br>Endowment<br>Assets<br>x \$1000 | 2013<br>National<br>Rank | 2013<br>Control<br>Rank | 2012<br>Endowment<br>Assets<br>x \$1000 | 2012<br>National<br>Rank | 2012<br>Control<br>Rank |
| Public                                                                  | Arizona State University - Tempe      | 552,789                                 | 140                      | 50                      | 500,667                                 | 138                      | 50                      |
| Public                                                                  | Auburn University                     | 522,145                                 | 147                      | 56                      | 461,727                                 | 148                      | 57                      |
| Private                                                                 | Baylor College of Medicine            | 873,721                                 | 84                       | 57                      | 789,997                                 | 86                       | 58                      |
| Private                                                                 | Boston University                     | 1,369,581                               | 56                       | 38                      | 1,157,075                               | 59                       | 40                      |
| Private                                                                 | Brandeis University                   | 766,205                                 | 98                       | 61                      | 674,522                                 | 97                       | 64                      |
| Private                                                                 | Brown University                      | 2,669,948                               | 29                       | 21                      | 2,460,131                               | 28                       | 21                      |
| Private                                                                 | California Institute of Technology    | 1,849,880                               | 38                       | 24                      | 1,746,526                               | 37                       | 24                      |
| Private                                                                 | Carnegie Mellon University            | 1,371,365                               | 55                       | 37                      | 987,054                                 | 68                       | 46                      |
| Private                                                                 | Case Western Reserve University       | 1,678,563                               | 46                       | 30                      | 1,600,013                               | 44                       | 29                      |
| Public                                                                  | Clemson University                    | 528,697                                 | 146                      | 55                      | 482,866                                 | 142                      | 53                      |
| Public                                                                  | Cleveland State University            | 61,707                                  | 589                      | 211                     | 54,300                                  | 604                      | 217                     |
| Private                                                                 | Cold Springs Harbor Laboratory        |                                         |                          |                         |                                         |                          |                         |
| Public                                                                  | Colorado State Univ. - Fort Collins   | 245,887                                 | 244                      | 97                      | 225,362                                 | 243                      | 95                      |
| Private                                                                 | Columbia University                   | 8,197,880                               | 8                        | 6                       | 7,654,152                               | 8                        | 6                       |
| Private                                                                 | Cornell University                    | 4,133,842                               | 19                       | 15                      | 3,850,426                               | 19                       | 15                      |
| Private                                                                 | Dartmouth College                     | 3,733,596                               | 21                       | 17                      | 3,486,383                               | 21                       | 17                      |
| Private                                                                 | Drexel University                     | 586,938                                 | 136                      | 89                      | 555,381                                 | 131                      | 84                      |
| Private                                                                 | Duke University                       | 6,040,973                               | 14                       | 11                      | 5,555,196                               | 14                       | 11                      |
| Private                                                                 | Emory University                      | 5,816,046                               | 15                       | 12                      | 5,461,158                               | 15                       | 12                      |
| Public                                                                  | Florida International University      | 149,384                                 | 345                      | 133                     | 132,554                                 | 350                      | 137                     |
| Public                                                                  | Florida State University              | 548,095                                 | 143                      | 52                      | 497,709                                 | 139                      | 51                      |
| Public                                                                  | George Mason University               | 59,260                                  | 607                      | 220                     | 55,165                                  | 598                      | 214                     |
| Private                                                                 | George Washington University          | 1,375,202                               | 54                       | 36                      | 1,305,892                               | 53                       | 36                      |
| Private                                                                 | Georgetown University                 | 1,286,323                               | 60                       | 40                      | 1,140,486                               | 60                       | 41                      |
| Public                                                                  | Georgia Health Sciences University    | 142,208                                 | 354                      | 140                     | 117,426                                 | 381                      | 145                     |
| Public                                                                  | Georgia Institute of Technology       | 1,714,876                               | 45                       | 16                      | 1,608,248                               | 43                       | 15                      |
| Private                                                                 | Harvard University                    | 32,334,293                              | 1                        | 1                       | 30,435,375                              | 1                        | 1                       |
| Private                                                                 | Icahn School of Med. at Mount Sinai   | 630,518                                 | 127                      | 81                      | 594,968                                 | 120                      | 77                      |
| Public                                                                  | Indiana University - Bloomington      | 835,123                                 | 88                       | 29                      | 772,185                                 | 88                       | 29                      |
| Public                                                                  | Indiana U. - Purdue U. - Indianapolis | 709,877                                 | 108                      | 40                      | 634,979                                 | 109                      | 40                      |
| Public                                                                  | Iowa State University                 | 673,515                                 | 114                      | 43                      | 604,897                                 | 115                      | 43                      |
| Private                                                                 | Johns Hopkins University              | 2,987,298                               | 25                       | 19                      | 2,678,721                               | 25                       | 20                      |
| Public                                                                  | Kansas State University               | 364,675                                 | 191                      | 78                      | 329,240                                 | 193                      | 78                      |
| Public                                                                  | Louisiana State Univ. - Baton Rouge   | 383,443                                 | 183                      | 73                      | 357,602                                 | 178                      | 70                      |
| Public                                                                  | Louisiana St. U. HSC - New Orleans    | 84,990                                  | 482                      | 173                     | 75,853                                  | 486                      | 170                     |
| Private                                                                 | Massachusetts Inst. of Technology     | 11,005,932                              | 5                        | 5                       | 10,308,274                              | 5                        | 5                       |
| Private                                                                 | Medical College of Wisconsin          | 597,865                                 | 132                      | 85                      | 470,510                                 | 146                      | 91                      |
| Public                                                                  | Medical University of South Carolina  | 272,319                                 | 227                      | 89                      | 239,472                                 | 228                      | 89                      |
| Public                                                                  | Michigan State University             | 1,958,350                               | 37                       | 14                      | 1,721,100                               | 38                       | 14                      |
| Public                                                                  | Mississippi State University          | 394,925                                 | 178                      | 70                      | 343,857                                 | 184                      | 73                      |
| Public                                                                  | Montana State University - Bozeman    | 132,879                                 | 370                      | 146                     | 119,821                                 | 375                      | 143                     |
| Public                                                                  | Naval Postgraduate School             | 4,907                                   | 984                      | 399                     | 4,466                                   | 1047                     | 430                     |
| Public                                                                  | New Jersey Institute of Technology    | 82,965                                  | 486                      | 176                     | 74,248                                  | 495                      | 176                     |
| Public                                                                  | New Mexico State Univ. - Las Cruces   | 197,387                                 | 284                      | 115                     | 181,134                                 | 281                      | 114                     |
| Private                                                                 | New York University                   | 2,949,000                               | 27                       | 20                      | 2,755,000                               | 24                       | 19                      |
| Public                                                                  | North Carolina State University       | 769,404                                 | 97                       | 37                      | 635,326                                 | 107                      | 39                      |
| Public                                                                  | North Dakota State University         | 113,302                                 | 412                      | 154                     | 100,561                                 | 420                      | 153                     |
| Private                                                                 | Northeastern University               | 616,618                                 | 129                      | 83                      | 566,767                                 | 128                      | 82                      |
| Private                                                                 | Northwestern University               | 7,883,323                               | 10                       | 7                       | 7,118,595                               | 9                        | 7                       |

## The Top American Research Universities

| 2011<br>Endowment<br>Assets<br>x \$1000 | 2011<br>National<br>Rank | 2011<br>Control<br>Rank | 2010<br>Endowment<br>Assets<br>x \$1000 | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>Endowment<br>Assets<br>x \$1000 | 2009<br>National<br>Rank | 2009<br>Control<br>Rank |
|-----------------------------------------|--------------------------|-------------------------|-----------------------------------------|--------------------------|-------------------------|-----------------------------------------|--------------------------|-------------------------|
| 514,724                                 | 137                      | 49                      | 441,258                                 | 138                      | 51                      | 407,889                                 | 139                      | 52                      |
| 450,361                                 | 151                      | 59                      | 363,241                                 | 157                      | 62                      | 311,394                                 | 165                      | 66                      |
| 838,207                                 | 83                       | 56                      | 799,231                                 | 77                       | 53                      | 731,320                                 | 75                       | 52                      |
| 1,159,583                               | 60                       | 41                      | 992,280                                 | 62                       | 42                      | 892,139                                 | 62                       | 42                      |
| 703,666                                 | 96                       | 62                      | 620,204                                 | 94                       | 61                      | 558,516                                 | 93                       | 61                      |
| 2,496,926                               | 29                       | 21                      | 2,155,330                               | 28                       | 21                      | 2,017,006                               | 26                       | 20                      |
| 1,772,369                               | 37                       | 24                      | 1,556,198                               | 37                       | 24                      | 1,398,039                               | 39                       | 26                      |
| 1,017,338                               | 69                       | 46                      | 815,099                                 | 75                       | 51                      | 754,131                                 | 73                       | 51                      |
| 1,703,164                               | 41                       | 27                      | 1,462,027                               | 40                       | 27                      | 1,401,799                               | 38                       | 25                      |
| 473,748                                 | 144                      | 53                      | 382,189                                 | 150                      | 57                      | 331,082                                 | 155                      | 61                      |
| 53,900                                  | 583                      | 206                     | 43,713                                  | 610                      | 215                     | 37,335                                  | 621                      | 219                     |
|                                         |                          |                         |                                         |                          |                         |                                         |                          |                         |
| 221,231                                 | 247                      | 95                      | 176,634                                 | 259                      | 99                      | 148,144                                 | 278                      | 104                     |
| 7,789,578                               | 7                        | 6                       | 6,516,512                               | 7                        | 6                       | 5,892,798                               | 7                        | 6                       |
| 3,960,058                               | 19                       | 15                      | 3,393,405                               | 19                       | 15                      | 3,073,682                               | 19                       | 15                      |
| 3,413,406                               | 22                       | 18                      | 2,998,302                               | 21                       | 17                      | 2,824,894                               | 21                       | 17                      |
| 525,211                                 | 136                      | 88                      | 427,023                                 | 143                      | 90                      | 408,227                                 | 138                      | 87                      |
| 5,747,377                               | 14                       | 11                      | 4,823,572                               | 14                       | 11                      | 4,440,745                               | 14                       | 11                      |
| 5,400,367                               | 15                       | 12                      | 4,694,260                               | 15                       | 12                      | 4,328,436                               | 15                       | 12                      |
| 136,237                                 | 346                      | 133                     | 95,259                                  | 391                      | 147                     | 82,555                                  | 402                      | 146                     |
| 525,260                                 | 135                      | 48                      | 452,454                                 | 137                      | 50                      | 409,666                                 | 136                      | 50                      |
| 51,608                                  | 596                      | 211                     | 44,983                                  | 604                      | 212                     | 41,873                                  | 592                      | 207                     |
| 1,331,101                               | 53                       | 36                      | 1,143,582                               | 53                       | 36                      | 1,011,193                               | 54                       | 37                      |
| 1,160,291                               | 59                       | 40                      | 1,009,736                               | 60                       | 40                      | 883,182                                 | 65                       | 45                      |
| 121,259                                 | 370                      | 141                     | 101,750                                 | 374                      | 141                     | 90,548                                  | 377                      | 141                     |
| 1,619,718                               | 45                       | 15                      | 1,388,860                               | 43                       | 15                      | 1,235,688                               | 46                       | 15                      |
| 31,728,080                              | 1                        | 1                       | 27,557,404                              | 1                        | 1                       | 26,138,239                              | 1                        | 1                       |
| 607,498                                 | 116                      | 75                      | 534,631                                 | 116                      | 76                      | 443,156                                 | 126                      | 82                      |
| 835,119                                 | 84                       | 28                      | 769,145                                 | 81                       | 27                      | 728,544                                 | 76                       | 24                      |
| 653,518                                 | 107                      | 37                      | 553,894                                 | 111                      | 37                      | 436,636                                 | 132                      | 47                      |
| 612,283                                 | 114                      | 41                      | 508,875                                 | 121                      | 42                      | 452,209                                 | 123                      | 43                      |
| 2,598,467                               | 26                       | 20                      | 2,219,925                               | 25                       | 20                      | 1,976,899                               | 27                       | 21                      |
| 337,460                                 | 191                      | 75                      | 277,584                                 | 197                      | 77                      | 259,809                                 | 191                      | 73                      |
| 364,076                                 | 177                      | 68                      | 311,656                                 | 174                      | 67                      | 275,000                                 | 182                      | 71                      |
| 74,262                                  | 491                      | 173                     | 70,100                                  | 460                      | 162                     | 63,813                                  | 463                      | 161                     |
| 9,712,628                               | 5                        | 5                       | 8,317,321                               | 5                        | 5                       | 7,880,321                               | 5                        | 5                       |
| 487,921                                 | 142                      | 91                      | 411,135                                 | 147                      | 92                      | 376,708                                 | 146                      | 91                      |
| 230,286                                 | 239                      | 89                      | 181,554                                 | 249                      | 94                      | 145,667                                 | 283                      | 107                     |
| 1,718,101                               | 40                       | 14                      | 1,429,114                               | 42                       | 14                      | 1,341,414                               | 41                       | 14                      |
| 346,676                                 | 185                      | 73                      | 291,434                                 | 186                      | 72                      | 254,329                                 | 193                      | 74                      |
| 115,687                                 | 387                      | 147                     | 98,505                                  | 384                      | 144                     | 86,742                                  | 391                      | 144                     |
| 4,143                                   | 940                      | 385                     | 3,360                                   | 978                      | 400                     | 2,178                                   | 998                      | 408                     |
| 74,978                                  | 488                      | 172                     | 63,740                                  | 495                      | 172                     | 57,016                                  | 499                      | 172                     |
| 186,737                                 | 281                      | 112                     | 154,039                                 | 287                      | 114                     | 139,484                                 | 293                      | 112                     |
| 2,827,000                               | 24                       | 19                      | 2,370,000                               | 24                       | 19                      | 2,094,300                               | 24                       | 19                      |
| 617,632                                 | 113                      | 40                      | 503,110                                 | 123                      | 43                      | 463,866                                 | 120                      | 41                      |
| 103,043                                 | 411                      | 152                     | 97,036                                  | 388                      | 145                     | 79,606                                  | 409                      | 149                     |
| 588,400                                 | 125                      | 81                      | 508,689                                 | 122                      | 80                      | 486,870                                 | 117                      | 78                      |
| 7,182,745                               | 9                        | 7                       | 5,945,277                               | 9                        | 7                       | 5,445,260                               | 9                        | 7                       |

| Endowment Assets                                                        |                                        | 2013                      | 2013          | 2013         | 2012                      | 2012          | 2012         |
|-------------------------------------------------------------------------|----------------------------------------|---------------------------|---------------|--------------|---------------------------|---------------|--------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                        | Endowment Assets x \$1000 | National Rank | Control Rank | Endowment Assets x \$1000 | National Rank | Control Rank |
| Public                                                                  | Ohio State University - Columbus       | 3,149,169                 | 24            | 6            | 2,366,033                 | 30            | 9            |
| Public                                                                  | Oklahoma State University - Stillwater | 389,522                   | 180           | 72           | 452,171                   | 151           | 58           |
| Public                                                                  | Oregon Health & Science University     | 463,969                   | 156           | 60           | 433,288                   | 154           | 60           |
| Public                                                                  | Oregon State University                | 443,826                   | 164           | 64           | 403,606                   | 165           | 67           |
| Public                                                                  | Penn. St. Univ. - Hershey Med. Ctr.    | 309,312                   | 215           | 85           | 284,793                   | 211           | 82           |
| Public                                                                  | Pennsylvania State Univ. - Univ. Park  | 1,411,236                 | 53            | 18           | 1,299,369                 | 54            | 18           |
| Private                                                                 | Princeton University                   | 18,200,433                | 4             | 4            | 16,954,128                | 4             | 4            |
| Public                                                                  | Purdue University - West Lafayette     | 2,182,171                 | 34            | 13           | 1,916,968                 | 34            | 13           |
| Private                                                                 | Rensselaer Polytechnic Institute       | 616,836                   | 128           | 82           | 583,350                   | 124           | 80           |
| Private                                                                 | Rice University                        | 4,836,728                 | 18            | 14           | 4,418,595                 | 18            | 14           |
| Private                                                                 | Rockefeller University                 | 1,772,394                 | 42            | 28           | 1,692,300                 | 39            | 25           |
| Private                                                                 | Rush University                        | 500,797                   | 150           | 93           | 457,217                   | 150           | 93           |
| Public                                                                  | Rutgers University - New Brunswick     | 783,492                   | 93            | 34           | 645,556                   | 103           | 37           |
| Public                                                                  | San Diego State University             | 158,406                   | 336           | 130          | 136,408                   | 344           | 134          |
| Private                                                                 | Scripps Research Institute             |                           |               |              |                           |               |              |
| Public                                                                  | South Dakota State University          | 88,294                    | 469           | 171          | 75,090                    | 489           | 173          |
| Private                                                                 | Stanford University                    | 18,688,868                | 3             | 3            | 17,035,804                | 3             | 3            |
| Public                                                                  | Stony Brook University                 | 180,716                   | 300           | 121          | 155,172                   | 320           | 125          |
| Public                                                                  | Temple University                      | 323,837                   | 210           | 83           | 277,479                   | 213           | 83           |
| Public                                                                  | Texas A&M Univ. - College Station      | 8,072,055                 | 9             | 3            | 7,034,588                 | 10            | 3            |
| Private                                                                 | Thomas Jefferson University            | 336,658                   | 205           | 124          | 314,152                   | 200           | 121          |
| Private                                                                 | Tufts University                       | 1,440,527                 | 52            | 35           | 1,351,166                 | 52            | 35           |
| Private                                                                 | Tulane University                      | 1,047,813                 | 72            | 49           | 960,972                   | 72            | 48           |
| Public                                                                  | Uniformed Services Univ. of the HS     |                           |               |              |                           |               |              |
| Public                                                                  | University at Albany                   | 40,278                    | 714           | 261          | 35,190                    | 733           | 267          |
| Public                                                                  | University at Buffalo                  | 554,392                   | 139           | 49           | 511,020                   | 137           | 49           |
| Public                                                                  | University of Alabama - Birmingham     | 374,260                   | 188           | 76           | 349,290                   | 181           | 72           |
| Public                                                                  | University of Alabama - Huntsville     | 65,986                    | 568           | 202          | 61,788                    | 562           | 194          |
| Public                                                                  | University of Alaska - Fairbanks       | 211,332                   | 272           | 111          | 192,485                   | 272           | 111          |
| Public                                                                  | University of Arizona                  | 611,746                   | 130           | 47           | 563,655                   | 129           | 47           |
| Public                                                                  | Univ. of Arkansas for Med. Sciences    | 29,496                    | 789           | 291          | 27,388                    | 801           | 300          |
| Public                                                                  | University of California - Berkeley    | 3,330,553                 | 23            | 5            | 3,031,896                 | 23            | 5            |
| Public                                                                  | University of California - Davis       | 790,060                   | 90            | 31           | 713,180                   | 92            | 33           |
| Public                                                                  | University of California - Irvine      | 330,104                   | 208           | 82           | 300,220                   | 206           | 81           |
| Public                                                                  | University of California - Los Angeles | 2,626,965                 | 30            | 9            | 2,449,838                 | 29            | 8            |
| Public                                                                  | University of California - Riverside   | 148,777                   | 346           | 134          | 138,816                   | 340           | 130          |
| Public                                                                  | University of California - San Diego   | 642,605                   | 122           | 45           | 567,772                   | 127           | 46           |
| Public                                                                  | Univ. of California - San Francisco    | 1,716,203                 | 44            | 15           | 1,541,415                 | 46            | 16           |
| Public                                                                  | Univ. of California - Santa Barbara    | 226,034                   | 262           | 105          | 206,032                   | 256           | 102          |
| Public                                                                  | University of California - Santa Cruz  | 124,926                   | 386           | 149          | 116,800                   | 384           | 146          |
| Public                                                                  | University of Central Florida          | 135,462                   | 366           | 144          | 122,609                   | 366           | 142          |
| Private                                                                 | University of Chicago                  | 6,668,974                 | 13            | 10           | 6,570,875                 | 12            | 9            |
| Public                                                                  | University of Cincinnati - Cincinnati  | 1,045,606                 | 73            | 24           | 976,814                   | 70            | 24           |
| Public                                                                  | University of Colorado - Boulder       | 495,815                   | 152           | 59           | 431,593                   | 155           | 61           |
| Public                                                                  | University of Colorado - Denver        | 389,569                   | 179           | 71           | 339,727                   | 186           | 75           |
| Public                                                                  | Univ. of Connecticut - Health Center   | 92,927                    | 455           | 166          | 84,059                    | 460           | 165          |
| Public                                                                  | University of Connecticut - Storrs     | 251,247                   | 240           | 95           | 227,272                   | 239           | 93           |
| Private                                                                 | University of Dayton                   | 442,252                   | 165           | 101          | 397,794                   | 168           | 101          |
| Public                                                                  | University of Delaware                 | 1,171,166                 | 64            | 21           | 1,087,870                 | 63            | 21           |

# The Top American Research Universities

| 2011<br>Endowment<br>Assets<br>x \$1000 | 2011<br>National<br>Rank | 2011<br>Control<br>Rank | 2010<br>Endowment<br>Assets<br>x \$1000 | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>Endowment<br>Assets<br>x \$1000 | 2009<br>National<br>Rank | 2009<br>Control<br>Rank |
|-----------------------------------------|--------------------------|-------------------------|-----------------------------------------|--------------------------|-------------------------|-----------------------------------------|--------------------------|-------------------------|
| 2,120,714                               | 32                       | 11                      | 1,869,312                               | 32                       | 11                      | 1,651,561                               | 31                       | 10                      |
| 456,110                                 | 149                      | 57                      | 495,071                                 | 127                      | 45                      | 454,849                                 | 121                      | 42                      |
| 455,721                                 | 150                      | 58                      | 380,008                                 | 151                      | 58                      | 346,549                                 | 148                      | 56                      |
| 411,964                                 | 160                      | 63                      | 351,843                                 | 163                      | 64                      | 329,165                                 | 157                      | 62                      |
| 258,771                                 | 222                      | 86                      | 205,205                                 | 231                      | 87                      | 183,902                                 | 240                      | 90                      |
| 1,276,602                               | 55                       | 19                      | 1,012,343                               | 59                       | 20                      | 907,248                                 | 59                       | 20                      |
| 17,109,508                              | 3                        | 3                       | 14,391,450                              | 3                        | 3                       | 12,614,313                              | 4                        | 4                       |
| 2,001,601                               | 34                       | 13                      | 1,633,034                               | 34                       | 13                      | 1,457,543                               | 35                       | 13                      |
| 621,916                                 | 112                      | 73                      | 629,728                                 | 91                       | 59                      | 612,841                                 | 88                       | 59                      |
| 4,451,452                               | 18                       | 14                      | 3,786,548                               | 17                       | 14                      | 3,612,884                               | 17                       | 14                      |
| 1,746,363                               | 38                       | 25                      | 1,561,470                               | 36                       | 23                      | 1,527,678                               | 34                       | 22                      |
| 435,492                                 | 154                      | 94                      | 377,856                                 | 153                      | 94                      | 339,803                                 | 151                      | 93                      |
| 642,626                                 | 109                      | 38                      | 550,509                                 | 113                      | 38                      | 501,393                                 | 112                      | 38                      |
| 135,191                                 | 347                      | 134                     | 109,401                                 | 356                      | 134                     | 98,559                                  | 359                      | 132                     |
|                                         |                          |                         |                                         |                          |                         |                                         |                          |                         |
| 72,181                                  | 506                      | 178                     | 54,618                                  | 544                      | 187                     | 49,054                                  | 544                      | 182                     |
| 16,502,606                              | 4                        | 4                       | 13,851,115                              | 4                        | 4                       | 12,629,094                              | 3                        | 3                       |
| 139,026                                 | 341                      | 130                     | 126,349                                 | 331                      | 125                     | 95,689                                  | 363                      | 133                     |
| 280,731                                 | 213                      | 82                      | 235,531                                 | 214                      | 82                      | 210,043                                 | 222                      | 83                      |
| 6,328,932                               | 12                       | 3                       | 5,224,062                               | 13                       | 3                       | 4,572,757                               | 13                       | 3                       |
| 332,026                                 | 193                      | 117                     | 425,431                                 | 144                      | 91                      | 443,039                                 | 127                      | 83                      |
| 1,403,883                               | 52                       | 35                      | 1,213,585                               | 52                       | 35                      | 1,103,440                               | 50                       | 33                      |
| 1,014,985                               | 70                       | 47                      | 888,667                                 | 68                       | 46                      | 807,859                                 | 70                       | 48                      |
|                                         |                          |                         |                                         |                          |                         |                                         |                          |                         |
| 35,454                                  | 696                      | 255                     | 29,523                                  | 713                      | 256                     | 24,764                                  | 719                      | 261                     |
| 494,791                                 | 140                      | 50                      | 428,851                                 | 140                      | 52                      | 408,730                                 | 137                      | 51                      |
| 310,735                                 | 206                      | 79                      | 270,839                                 | 207                      | 80                      | 282,754                                 | 175                      | 67                      |
| 52,080                                  | 593                      | 210                     | 44,428                                  | 606                      | 213                     | 46,196                                  | 563                      | 192                     |
| 196,797                                 | 270                      | 106                     | 132,081                                 | 323                      | 122                     | 133,689                                 | 303                      | 117                     |
| 552,351                                 | 131                      | 47                      | 480,239                                 | 131                      | 48                      | 436,603                                 | 133                      | 48                      |
| 26,368                                  | 758                      | 284                     | 23,121                                  | 772                      | 283                     | 22,246                                  | 753                      | 271                     |
| 2,937,250                               | 23                       | 5                       | 2,599,983                               | 23                       | 5                       | 2,386,841                               | 23                       | 5                       |
| 731,284                                 | 92                       | 33                      | 597,650                                 | 100                      | 35                      | 538,777                                 | 98                       | 34                      |
| 301,211                                 | 209                      | 81                      | 243,064                                 | 212                      | 81                      | 213,457                                 | 219                      | 82                      |
| 2,640,412                               | 25                       | 6                       | 2,161,411                               | 27                       | 7                       | 1,881,050                               | 29                       | 8                       |
| 140,528                                 | 339                      | 128                     | 110,032                                 | 355                      | 133                     | 99,633                                  | 357                      | 131                     |
| 568,697                                 | 128                      | 45                      | 477,754                                 | 132                      | 49                      | 431,717                                 | 134                      | 49                      |
| 1,549,933                               | 46                       | 16                      | 1,253,441                               | 49                       | 17                      | 1,110,642                               | 49                       | 17                      |
| 222,018                                 | 246                      | 94                      | 178,095                                 | 257                      | 97                      | 154,438                                 | 266                      | 97                      |
| 118,701                                 | 381                      | 143                     | 101,955                                 | 373                      | 140                     | 94,522                                  | 368                      | 135                     |
| 127,129                                 | 359                      | 139                     | 102,739                                 | 370                      | 138                     | 91,951                                  | 375                      | 139                     |
| 6,575,126                               | 11                       | 9                       | 5,543,084                               | 11                       | 9                       | 5,094,087                               | 11                       | 9                       |
| 1,004,368                               | 71                       | 24                      | 886,262                                 | 69                       | 23                      | 832,924                                 | 69                       | 22                      |
| 447,211                                 | 152                      | 60                      | 379,302                                 | 152                      | 59                      | 335,217                                 | 153                      | 59                      |
| 321,678                                 | 202                      | 78                      | 272,831                                 | 204                      | 79                      | 244,441                                 | 206                      | 79                      |
| 82,767                                  | 455                      | 164                     | 72,033                                  | 455                      | 160                     | 67,491                                  | 449                      | 157                     |
| 229,562                                 | 241                      | 91                      | 199,789                                 | 237                      | 90                      | 187,193                                 | 235                      | 88                      |
| 414,504                                 | 159                      | 97                      | 346,582                                 | 165                      | 100                     | 319,997                                 | 160                      | 97                      |
| 1,138,204                               | 61                       | 20                      | 981,551                                 | 64                       | 21                      | 1,008,444                               | 56                       | 19                      |

| Endowment Assets                                                        |                                       | 2013                      | 2013          | 2013         | 2012                      | 2012          | 2012         |
|-------------------------------------------------------------------------|---------------------------------------|---------------------------|---------------|--------------|---------------------------|---------------|--------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                       | Endowment Assets x \$1000 | National Rank | Control Rank | Endowment Assets x \$1000 | National Rank | Control Rank |
| Public                                                                  | University of Florida                 | 1,359,643                 | 57            | 19           | 1,263,277                 | 55            | 19           |
| Public                                                                  | University of Georgia                 | 786,171                   | 92            | 33           | 674,164                   | 98            | 34           |
| Public                                                                  | University of Hawaii - Manoa          | 235,383                   | 253           | 99           | 211,970                   | 249           | 98           |
| Public                                                                  | University of Houston - Univ. Park    | 637,475                   | 124           | 46           | 579,264                   | 126           | 45           |
| Public                                                                  | University of Idaho                   | 209,398                   | 274           | 112          | 188,511                   | 276           | 112          |
| Public                                                                  | University of Illinois - Chicago      | 245,900                   | 243           | 96           | 217,195                   | 245           | 96           |
| Public                                                                  | Univ. of Illinois - Urbana-Champaign  | 1,310,300                 | 59            | 20           | 1,137,035                 | 61            | 20           |
| Public                                                                  | University of Iowa                    | 1,094,803                 | 68            | 23           | 981,104                   | 69            | 23           |
| Public                                                                  | University of Kansas - Lawrence       | 1,005,416                 | 77            | 25           | 922,220                   | 75            | 25           |
| Public                                                                  | University of Kansas Medical Center   | 283,579                   | 220           | 87           | 260,113                   | 219           | 87           |
| Public                                                                  | University of Kentucky                | 992,427                   | 78            | 26           | 900,158                   | 78            | 26           |
| Public                                                                  | University of Louisville              | 788,529                   | 91            | 32           | 726,244                   | 91            | 32           |
| Public                                                                  | University of Maryland - Baltimore    | 230,006                   | 258           | 102          | 206,582                   | 255           | 101          |
| Public                                                                  | Univ. of Maryland - Baltimore County  | 66,825                    | 562           | 197          | 59,996                    | 572           | 200          |
| Public                                                                  | University of Maryland - College Park | 433,821                   | 167           | 65           | 408,984                   | 162           | 66           |
| Public                                                                  | Univ. of Massachusetts - Amherst      | 272,087                   | 228           | 90           | 233,317                   | 234           | 92           |
| Public                                                                  | Univ. of Mass. Med. Sch. - Worcester  | 171,437                   | 315           | 125          | 144,846                   | 333           | 126          |
| Public                                                                  | Univ. of Medicine & Dentistry of NJ   |                           |               |              | 45,077                    | 657           | 237          |
| Private                                                                 | University of Miami                   | 777,947                   | 94            | 60           | 678,694                   | 95            | 62           |
| Public                                                                  | University of Michigan - Ann Arbor    | 8,382,311                 | 7             | 2            | 7,691,052                 | 7             | 2            |
| Public                                                                  | University of Minnesota - Twin Cities | 2,757,476                 | 28            | 8            | 2,494,050                 | 27            | 7            |
| Public                                                                  | University of Missouri - Columbia     | 692,853                   | 111           | 42           | 622,209                   | 113           | 42           |
| Public                                                                  | University of Nebraska - Lincoln      | 870,173                   | 85            | 28           | 790,011                   | 85            | 28           |
| Public                                                                  | Univ. of Nebraska Medical Center      | 200,809                   | 280           | 113          | 182,310                   | 280           | 113          |
| Public                                                                  | University of Nevada - Reno           | 259,775                   | 232           | 92           | 238,286                   | 230           | 90           |
| Public                                                                  | Univ. of New Hampshire - Durham       | 231,504                   | 255           | 100          | 214,879                   | 248           | 97           |
| Public                                                                  | Univ. of New Mexico - Albuquerque     | 371,302                   | 189           | 77           | 343,321                   | 185           | 74           |
| Public                                                                  | Univ. of North Carolina - Chapel Hill | 2,381,151                 | 31            | 10           | 2,179,177                 | 31            | 10           |
| Public                                                                  | University of North Dakota            | 162,785                   | 335           | 129          | 140,260                   | 338           | 129          |
| Private                                                                 | University of Notre Dame              | 6,856,301                 | 12            | 9            | 6,329,866                 | 13            | 10           |
| Public                                                                  | University of Oklahoma - Norman       | 927,019                   | 82            | 27           | 820,724                   | 82            | 27           |
| Public                                                                  | University of Oklahoma HSC            | 397,294                   | 174           | 69           | 351,739                   | 179           | 71           |
| Public                                                                  | University of Oregon                  | 552,285                   | 141           | 51           | 477,599                   | 144           | 54           |
| Private                                                                 | University of Pennsylvania            | 7,741,396                 | 11            | 8            | 6,754,658                 | 11            | 8            |
| Public                                                                  | University of Pittsburgh - Pittsburgh | 2,975,896                 | 26            | 7            | 2,618,436                 | 26            | 6            |
| Public                                                                  | University of Rhode Island            | 103,248                   | 429           | 158          | 93,659                    | 432           | 156          |
| Private                                                                 | University of Rochester               | 1,730,829                 | 43            | 29           | 1,581,773                 | 45            | 30           |
| Public                                                                  | Univ. of South Carolina - Columbia    | 544,939                   | 145           | 54           | 513,936                   | 135           | 48           |
| Public                                                                  | University of South Florida - Tampa   | 363,924                   | 192           | 79           | 334,132                   | 190           | 77           |
| Private                                                                 | University of Southern California     | 3,868,355                 | 20            | 16           | 3,488,933                 | 20            | 16           |
| Public                                                                  | University of Tennessee - Knoxville   | 726,483                   | 103           | 39           | 647,826                   | 100           | 36           |
| Public                                                                  | University of Tennessee HSC           |                           |               |              |                           |               |              |
| Public                                                                  | University of Texas - Austin          | 9,145,142                 | 6             | 1            | 8,209,163                 | 6             | 1            |
| Public                                                                  | University of Texas HSC - Houston     | 227,043                   | 260           | 103          | 201,989                   | 263           | 106          |
| Public                                                                  | Univ. of Texas HSC - San Antonio      | 432,031                   | 168           | 66           | 412,085                   | 160           | 64           |
| Public                                                                  | U. of Texas MD Anderson Cancer Ctr.   | 1,111,653                 | 66            | 22           | 1,056,878                 | 64            | 22           |
| Public                                                                  | U. of Texas Med. Branch - Galveston   | 495,887                   | 151           | 58           | 473,427                   | 145           | 55           |
| Public                                                                  | Univ. of Texas SW Med. Ctr. - Dallas  | 1,450,655                 | 51            | 17           | 1,465,375                 | 48            | 17           |
| Public                                                                  | University of Utah                    | 745,553                   | 101           | 38           | 670,411                   | 99            | 35           |

# The Top American Research Universities

| 2011<br>Endowment<br>Assets<br>x \$1000 | 2011<br>National<br>Rank | 2011<br>Control<br>Rank | 2010<br>Endowment<br>Assets<br>x \$1000 | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>Endowment<br>Assets<br>x \$1000 | 2009<br>National<br>Rank | 2009<br>Control<br>Rank |
|-----------------------------------------|--------------------------|-------------------------|-----------------------------------------|--------------------------|-------------------------|-----------------------------------------|--------------------------|-------------------------|
| 1,295,313                               | 54                       | 18                      | 1,104,573                               | 54                       | 18                      | 1,010,590                               | 55                       | 18                      |
| 745,765                                 | 91                       | 32                      | 625,823                                 | 92                       | 33                      | 572,504                                 | 91                       | 32                      |
| 215,119                                 | 251                      | 97                      | 175,987                                 | 260                      | 100                     | 149,154                                 | 277                      | 103                     |
| 589,762                                 | 124                      | 44                      | 491,765                                 | 128                      | 46                      | 441,725                                 | 129                      | 45                      |
| 192,003                                 | 276                      | 110                     | 166,738                                 | 270                      | 106                     | 149,190                                 | 276                      | 102                     |
| 219,987                                 | 248                      | 96                      | 164,047                                 | 274                      | 109                     | 150,156                                 | 273                      | 101                     |
| 1,132,626                               | 62                       | 21                      | 929,327                                 | 67                       | 22                      | 858,789                                 | 67                       | 21                      |
| 1,044,097                               | 68                       | 23                      | 791,554                                 | 78                       | 25                      | 675,705                                 | 80                       | 26                      |
| 982,848                                 | 73                       | 25                      | 829,025                                 | 74                       | 24                      | 750,926                                 | 74                       | 23                      |
| 267,595                                 | 217                      | 83                      | 225,714                                 | 220                      | 84                      | 204,450                                 | 224                      | 85                      |
| 915,924                                 | 76                       | 26                      | 778,890                                 | 80                       | 26                      | 696,851                                 | 78                       | 25                      |
| 772,157                                 | 89                       | 31                      | 669,043                                 | 89                       | 31                      | 599,712                                 | 90                       | 31                      |
| 198,619                                 | 266                      | 103                     | 163,307                                 | 275                      | 110                     | 143,408                                 | 286                      | 109                     |
| 57,886                                  | 563                      | 198                     | 49,020                                  | 572                      | 198                     | 43,472                                  | 582                      | 201                     |
| 417,452                                 | 156                      | 61                      | 357,651                                 | 159                      | 63                      | 325,439                                 | 159                      | 63                      |
| 210,101                                 | 257                      | 98                      | 181,498                                 | 250                      | 95                      | 160,196                                 | 260                      | 95                      |
| 137,750                                 | 342                      | 131                     | 140,567                                 | 307                      | 119                     | 114,030                                 | 334                      | 125                     |
| 44,772                                  | 637                      | 233                     | 42,538                                  | 616                      | 218                     | 41,895                                  | 591                      | 206                     |
| 719,852                                 | 94                       | 60                      | 618,236                                 | 95                       | 62                      | 538,606                                 | 99                       | 65                      |
| 7,834,752                               | 6                        | 1                       | 6,564,100                               | 6                        | 1                       | 6,000,827                               | 6                        | 1                       |
| 2,503,305                               | 28                       | 8                       | 2,195,742                               | 26                       | 6                       | 2,085,550                               | 25                       | 6                       |
| 559,516                                 | 129                      | 46                      | 487,450                                 | 130                      | 47                      | 440,923                                 | 130                      | 46                      |
| 807,025                                 | 86                       | 29                      | 742,983                                 | 83                       | 28                      | 627,203                                 | 85                       | 27                      |
| 186,237                                 | 282                      | 113                     | 171,458                                 | 264                      | 101                     | 144,739                                 | 284                      | 108                     |
| 235,404                                 | 236                      | 88                      | 200,646                                 | 235                      | 89                      | 185,684                                 | 238                      | 89                      |
| 227,225                                 | 242                      | 92                      | 206,402                                 | 229                      | 86                      | 182,254                                 | 242                      | 91                      |
| 349,145                                 | 181                      | 71                      | 295,792                                 | 182                      | 71                      | 279,690                                 | 177                      | 68                      |
| 2,260,970                               | 30                       | 9                       | 1,979,220                               | 30                       | 9                       | 1,905,081                               | 28                       | 7                       |
| 122,283                                 | 368                      | 140                     | 100,972                                 | 376                      | 142                     | 94,018                                  | 369                      | 136                     |
| 6,259,598                               | 13                       | 10                      | 5,234,841                               | 12                       | 10                      | 4,795,303                               | 12                       | 10                      |
| 845,469                                 | 82                       | 27                      | 688,590                                 | 86                       | 29                      | 602,855                                 | 89                       | 30                      |
| 366,554                                 | 176                      | 67                      | 279,891                                 | 194                      | 76                      | 245,042                                 | 204                      | 78                      |
| 467,211                                 | 147                      | 56                      | 409,881                                 | 148                      | 56                      | 386,509                                 | 145                      | 55                      |
| 6,582,029                               | 10                       | 8                       | 5,668,939                               | 10                       | 8                       | 5,170,538                               | 10                       | 8                       |
| 2,527,398                               | 27                       | 7                       | 2,032,798                               | 29                       | 8                       | 1,837,216                               | 30                       | 9                       |
| 97,659                                  | 418                      | 153                     | 84,932                                  | 416                      | 151                     | 72,589                                  | 426                      | 153                     |
| 1,622,812                               | 44                       | 30                      | 1,367,878                               | 45                       | 30                      | 1,314,603                               | 43                       | 29                      |
| 494,358                                 | 141                      | 51                      | 414,002                                 | 146                      | 55                      | 391,468                                 | 144                      | 54                      |
| 349,320                                 | 180                      | 70                      | 295,921                                 | 181                      | 70                      | 275,398                                 | 181                      | 70                      |
| 3,517,173                               | 20                       | 16                      | 2,947,978                               | 22                       | 18                      | 2,671,426                               | 22                       | 18                      |
| 590,551                                 | 122                      | 43                      | 509,441                                 | 120                      | 41                      | 522,838                                 | 105                      | 35                      |
|                                         |                          |                         |                                         |                          |                         |                                         |                          |                         |
| 7,441,482                               | 8                        | 2                       | 6,436,007                               | 8                        | 2                       | 5,798,329                               | 8                        | 2                       |
| 191,856                                 | 277                      | 111                     | 171,024                                 | 265                      | 102                     | 154,525                                 | 265                      | 96                      |
| 411,599                                 | 161                      | 64                      | 372,299                                 | 154                      | 60                      | 343,931                                 | 150                      | 58                      |
| 1,059,791                               | 66                       | 22                      | 1,059,791                               | 56                       | 19                      | 547,314                                 | 96                       | 33                      |
| 472,297                                 | 145                      | 54                      | 427,157                                 | 142                      | 53                      | 394,171                                 | 143                      | 53                      |
| 1,452,473                               | 50                       | 17                      | 1,310,241                               | 46                       | 16                      | 1,145,445                               | 47                       | 16                      |
| 668,683                                 | 102                      | 36                      | 567,814                                 | 106                      | 36                      | 513,400                                 | 109                      | 36                      |

| Endowment Assets                                                        |                                       |                                         |                          |                         |                                         |                          |                         |
|-------------------------------------------------------------------------|---------------------------------------|-----------------------------------------|--------------------------|-------------------------|-----------------------------------------|--------------------------|-------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                       | 2013<br>Endowment<br>Assets<br>x \$1000 | 2013<br>National<br>Rank | 2013<br>Control<br>Rank | 2012<br>Endowment<br>Assets<br>x \$1000 | 2012<br>National<br>Rank | 2012<br>Control<br>Rank |
| Public                                                                  | University of Vermont                 | 374,316                                 | 187                      | 75                      | 325,555                                 | 195                      | 79                      |
| Public                                                                  | University of Virginia                | 5,166,660                               | 17                       | 4                       | 4,788,852                               | 17                       | 4                       |
| Public                                                                  | University of Washington - Seattle    | 2,346,693                               | 32                       | 11                      | 2,111,332                               | 32                       | 11                      |
| Public                                                                  | University of Wisconsin - Madison     | 2,334,560                               | 33                       | 12                      | 2,082,181                               | 33                       | 12                      |
| Public                                                                  | University of Wyoming                 | 404,074                                 | 172                      | 68                      | 358,530                                 | 177                      | 69                      |
| Public                                                                  | Utah State University                 | 242,025                                 | 248                      | 98                      | 209,188                                 | 251                      | 99                      |
| Private                                                                 | Vanderbilt University                 | 3,673,434                               | 22                       | 18                      | 3,399,293                               | 22                       | 18                      |
| Public                                                                  | Virginia Commonwealth University      | 562,215                                 | 138                      | 48                      | 438,140                                 | 153                      | 59                      |
| Public                                                                  | Virginia Polytechnic Inst. and St. U. | 660,340                                 | 119                      | 44                      | 594,776                                 | 121                      | 44                      |
| Private                                                                 | Wake Forest University                | 1,061,639                               | 69                       | 46                      | 1,000,133                               | 67                       | 45                      |
| Public                                                                  | Washington State Univ. - Pullman      | 777,628                                 | 95                       | 35                      | 737,409                                 | 89                       | 30                      |
| Private                                                                 | Washington University in St. Louis    | 5,651,860                               | 16                       | 13                      | 5,225,992                               | 16                       | 13                      |
| Public                                                                  | Wayne State University                | 276,234                                 | 225                      | 88                      | 247,111                                 | 225                      | 88                      |
| Private                                                                 | Weill Cornell Medical College         | 1,138,386                               | 65                       | 44                      | 1,096,528                               | 62                       | 42                      |
| Public                                                                  | West Virginia University              | 460,640                                 | 158                      | 61                      | 417,504                                 | 159                      | 63                      |
| Private                                                                 | Woods Hole Oceanographic Inst.        |                                         |                          |                         |                                         |                          |                         |
| Private                                                                 | Yale University                       | 20,780,000                              | 2                        | 2                       | 19,345,000                              | 2                        | 2                       |
| Private                                                                 | Yeshiva University                    | 1,183,499                               | 63                       | 43                      | 1,054,052                               | 65                       | 43                      |

| 2011<br>Endowment<br>Assets<br>x \$1000 | 2011<br>National<br>Rank | 2011<br>Control<br>Rank | 2010<br>Endowment<br>Assets<br>x \$1000 | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>Endowment<br>Assets<br>x \$1000 | 2009<br>National<br>Rank | 2009<br>Control<br>Rank |
|-----------------------------------------|--------------------------|-------------------------|-----------------------------------------|--------------------------|-------------------------|-----------------------------------------|--------------------------|-------------------------|
| 343,050                                 | 187                      | 74                      | 291,182                                 | 187                      | 73                      | 271,536                                 | 185                      | 72                      |
| 4,760,515                               | 17                       | 4                       | 3,706,823                               | 18                       | 4                       | 3,577,266                               | 18                       | 4                       |
| 2,154,494                               | 31                       | 10                      | 1,904,970                               | 31                       | 10                      | 1,649,159                               | 32                       | 11                      |
| 2,066,958                               | 33                       | 12                      | 1,852,580                               | 33                       | 12                      | 1,566,882                               | 33                       | 12                      |
| 321,781                                 | 201                      | 77                      | 285,143                                 | 191                      | 74                      | 249,362                                 | 199                      | 77                      |
| 208,986                                 | 259                      | 99                      | 187,415                                 | 243                      | 92                      | 151,184                                 | 269                      | 99                      |
| 3,414,514                               | 21                       | 17                      | 3,044,000                               | 20                       | 16                      | 2,867,541                               | 20                       | 16                      |
| 349,699                                 | 179                      | 69                      | 280,704                                 | 193                      | 75                      | 252,903                                 | 196                      | 76                      |
| 600,648                                 | 121                      | 42                      | 502,380                                 | 124                      | 44                      | 451,744                                 | 124                      | 44                      |
| 1,058,250                               | 67                       | 45                      | 937,639                                 | 66                       | 45                      | 886,761                                 | 63                       | 43                      |
| 722,717                                 | 93                       | 34                      | 668,865                                 | 90                       | 32                      | 619,766                                 | 87                       | 29                      |
| 5,280,143                               | 16                       | 13                      | 4,473,180                               | 16                       | 13                      | 4,080,554                               | 16                       | 13                      |
| 251,309                                 | 225                      | 87                      | 223,740                                 | 222                      | 85                      | 204,529                                 | 223                      | 84                      |
| 1,099,348                               | 64                       | 43                      | 985,182                                 | 63                       | 43                      | 892,359                                 | 61                       | 41                      |
| 392,001                                 | 168                      | 66                      | 337,127                                 | 167                      | 66                      | 315,121                                 | 163                      | 65                      |
|                                         |                          |                         |                                         |                          |                         |                                         |                          |                         |
| 19,374,000                              | 2                        | 2                       | 16,652,000                              | 2                        | 2                       | 16,327,000                              | 2                        | 2                       |
| 1,125,032                               | 63                       | 42                      | 1,027,662                               | 58                       | 39                      | 979,433                                 | 57                       | 38                      |

| Annual Giving                                                           |                                       |                                   |                       |                      |                                   |                       |                      |
|-------------------------------------------------------------------------|---------------------------------------|-----------------------------------|-----------------------|----------------------|-----------------------------------|-----------------------|----------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                       | 2013<br>Annual Giving<br>x \$1000 | 2013<br>National Rank | 2013<br>Control Rank | 2012<br>Annual Giving<br>x \$1000 | 2012<br>National Rank | 2012<br>Control Rank |
| Public                                                                  | Arizona State University - Tempe      | 108,011                           | 65                    | 38                   | 98,844                            | 66                    | 41                   |
| Public                                                                  | Auburn University                     | 67,911                            | 105                   | 64                   | 63,712                            | 106                   | 68                   |
| Private                                                                 | Baylor College of Medicine            | 100,540                           | 74                    | 29                   | 80,736                            | 83                    | 30                   |
| Private                                                                 | Boston University                     | 116,562                           | 58                    | 26                   | 86,181                            | 76                    | 27                   |
| Private                                                                 | Brandeis University                   | 54,556                            | 123                   | 48                   | 60,768                            | 108                   | 39                   |
| Private                                                                 | Brown University                      | 176,416                           | 35                    | 19                   | 178,065                           | 32                    | 18                   |
| Private                                                                 | California Institute of Technology    | 103,446                           | 72                    | 28                   | 99,983                            | 65                    | 25                   |
| Private                                                                 | Carnegie Mellon University            | 112,164                           | 60                    | 27                   | 79,141                            | 85                    | 32                   |
| Private                                                                 | Case Western Reserve University       | 94,238                            | 79                    | 31                   | 90,584                            | 73                    | 26                   |
| Public                                                                  | Clemson University                    | 75,666                            | 98                    | 60                   | 71,304                            | 96                    | 62                   |
| Public                                                                  | Cleveland State University            | 6,163                             | 515                   | 220                  | 5,265                             | 556                   | 230                  |
| Private                                                                 | Cold Springs Harbor Laboratory        |                                   |                       |                      |                                   |                       |                      |
| Public                                                                  | Colorado State Univ. - Fort Collins   | 112,473                           | 59                    | 33                   | 29,925                            | 166                   | 98                   |
| Private                                                                 | Columbia University                   | 646,663                           | 4                     | 4                    | 490,311                           | 5                     | 5                    |
| Private                                                                 | Cornell University                    | 326,497                           | 16                    | 11                   | 263,358                           | 19                    | 11                   |
| Private                                                                 | Dartmouth College                     | 160,165                           | 41                    | 20                   | 170,847                           | 34                    | 19                   |
| Private                                                                 | Drexel University                     | 64,953                            | 108                   | 42                   | 67,459                            | 103                   | 37                   |
| Private                                                                 | Duke University                       | 423,658                           | 9                     | 9                    | 350,944                           | 11                    | 10                   |
| Private                                                                 | Emory University                      | 204,171                           | 32                    | 17                   | 211,589                           | 26                    | 15                   |
| Public                                                                  | Florida International University      | 24,706                            | 197                   | 111                  | 15,267                            | 269                   | 138                  |
| Public                                                                  | Florida State University              | 61,270                            | 115                   | 72                   | 54,942                            | 116                   | 74                   |
| Public                                                                  | George Mason University               | 44,617                            | 134                   | 80                   | 44,111                            | 133                   | 82                   |
| Private                                                                 | George Washington University          | 84,436                            | 85                    | 34                   | 73,070                            | 94                    | 34                   |
| Private                                                                 | Georgetown University                 | 131,044                           | 47                    | 23                   | 113,721                           | 52                    | 22                   |
| Public                                                                  | Georgia Health Sciences University    | 33,894                            | 165                   | 95                   | 4,664                             | 593                   | 242                  |
| Public                                                                  | Georgia Institute of Technology       | 102,717                           | 73                    | 45                   | 118,429                           | 50                    | 29                   |
| Private                                                                 | Harvard University                    | 792,256                           | 2                     | 2                    | 650,243                           | 2                     | 2                    |
| Private                                                                 | Icahn School of Med. at Mount Sinai   | 127,027                           | 51                    | 24                   | 103,111                           | 60                    | 23                   |
| Public                                                                  | Indiana University - Bloomington      | 160,548                           | 40                    | 21                   | 122,489                           | 46                    | 25                   |
| Public                                                                  | Indiana U. - Purdue U. - Indianapolis | 127,341                           | 50                    | 27                   | 164,444                           | 36                    | 17                   |
| Public                                                                  | Iowa State University                 | 62,288                            | 114                   | 71                   | 60,716                            | 109                   | 70                   |
| Private                                                                 | Johns Hopkins University              | 518,571                           | 5                     | 5                    | 479,654                           | 6                     | 6                    |
| Public                                                                  | Kansas State University               | 108,060                           | 64                    | 37                   | 75,373                            | 88                    | 56                   |
| Public                                                                  | Louisiana State Univ. - Baton Rouge   | 96,895                            | 78                    | 48                   | 105,784                           | 55                    | 33                   |
| Public                                                                  | Louisiana St. U. HSC - New Orleans    | 2,437                             | 787                   | 328                  | 1,114                             | 905                   | 404                  |
| Private                                                                 | Massachusetts Inst. of Technology     | 403,539                           | 11                    | 10                   | 379,058                           | 10                    | 9                    |
| Private                                                                 | Medical College of Wisconsin          | 13,263                            | 322                   | 161                  | 19,197                            | 218                   | 101                  |
| Public                                                                  | Medical University of South Carolina  | 43,841                            | 138                   | 82                   | 40,197                            | 139                   | 85                   |
| Public                                                                  | Michigan State University             | 130,964                           | 48                    | 25                   | 122,883                           | 45                    | 24                   |
| Public                                                                  | Mississippi State University          | 65,925                            | 106                   | 65                   | 51,332                            | 122                   | 78                   |
| Public                                                                  | Montana State University - Bozeman    | 16,659                            | 263                   | 138                  | 10,602                            | 358                   | 171                  |
| Public                                                                  | Naval Postgraduate School             |                                   |                       |                      |                                   |                       |                      |
| Public                                                                  | New Jersey Institute of Technology    | 10,023                            | 384                   | 179                  | 8,442                             | 418                   | 190                  |
| Public                                                                  | New Mexico State Univ. - Las Cruces   | 12,499                            | 335                   | 165                  | 12,060                            | 321                   | 158                  |
| Private                                                                 | New York University                   | 449,344                           | 7                     | 7                    | 395,510                           | 9                     | 8                    |
| Public                                                                  | North Carolina State University       | 131,378                           | 46                    | 24                   | 100,324                           | 64                    | 40                   |
| Public                                                                  | North Dakota State University         | 9,231                             | 397                   | 184                  | 9,773                             | 386                   | 179                  |
| Private                                                                 | Northeastern University               | 46,828                            | 130                   | 53                   | 34,512                            | 151                   | 61                   |
| Private                                                                 | Northwestern University               | 295,601                           | 18                    | 12                   | 233,746                           | 25                    | 14                   |

# The Top American Research Universities

| 2011<br>Annual Giving<br>x \$1000 | 2011<br>National<br>Rank | 2011<br>Control<br>Rank | 2010<br>Annual Giving<br>x \$1000 | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>Annual Giving<br>x \$1000 | 2009<br>National<br>Rank | 2009<br>Control<br>Rank |
|-----------------------------------|--------------------------|-------------------------|-----------------------------------|--------------------------|-------------------------|-----------------------------------|--------------------------|-------------------------|
| 103,404                           | 59                       | 32                      | 103,643                           | 56                       | 31                      | 158,172                           | 34                       | 16                      |
| 61,263                            | 105                      | 65                      | 59,091                            | 100                      | 59                      | 61,841                            | 97                       | 58                      |
| 68,407                            | 96                       | 37                      | 62,356                            | 96                       | 39                      | 78,292                            | 78                       | 34                      |
| 89,499                            | 72                       | 28                      | 85,124                            | 69                       | 29                      | 74,269                            | 84                       | 36                      |
| 61,745                            | 104                      | 40                      | 71,779                            | 83                       | 35                      | 78,172                            | 79                       | 35                      |
| 160,512                           | 33                       | 20                      | 166,331                           | 32                       | 17                      | 192,836                           | 26                       | 14                      |
| 156,525                           | 34                       | 21                      | 155,486                           | 35                       | 20                      | 132,000                           | 42                       | 24                      |
| 79,074                            | 87                       | 34                      | 73,437                            | 81                       | 33                      | 58,464                            | 103                      | 43                      |
| 85,029                            | 76                       | 30                      | 79,961                            | 74                       | 31                      | 79,653                            | 75                       | 33                      |
| 63,062                            | 102                      | 64                      | 33,178                            | 153                      | 86                      | 31,701                            | 158                      | 87                      |
| 10,294                            | 368                      | 168                     |                                   |                          |                         | 8,382                             | 398                      | 180                     |
|                                   |                          |                         |                                   |                          |                         |                                   |                          |                         |
| 35,054                            | 155                      | 86                      | 29,586                            | 168                      | 96                      | 46,623                            | 118                      | 70                      |
| 495,562                           | 5                        | 5                       | 402,357                           | 5                        | 5                       | 413,359                           | 5                        | 5                       |
| 216,450                           | 25                       | 15                      | 156,266                           | 34                       | 19                      | 146,115                           | 37                       | 21                      |
| 146,757                           | 40                       | 23                      | 152,420                           | 36                       | 21                      | 137,107                           | 41                       | 23                      |
| 51,468                            | 115                      | 47                      | 45,293                            | 117                      | 48                      | 54,094                            | 108                      | 45                      |
| 349,658                           | 12                       | 9                       | 345,468                           | 9                        | 9                       | 301,647                           | 13                       | 11                      |
| 147,370                           | 38                       | 22                      | 105,820                           | 55                       | 25                      | 141,127                           | 40                       | 22                      |
| 40,548                            | 137                      | 81                      | 38,667                            | 133                      | 78                      | 17,741                            | 229                      | 117                     |
| 49,913                            | 118                      | 70                      | 53,946                            | 111                      | 66                      | 47,325                            | 115                      | 68                      |
| 44,408                            | 128                      | 76                      | 32,396                            | 158                      | 89                      | 26,484                            | 172                      | 95                      |
| 81,452                            | 82                       | 31                      | 80,806                            | 73                       | 30                      | 84,645                            | 71                       | 31                      |
| 206,525                           | 28                       | 17                      | 90,858                            | 63                       | 27                      | 181,180                           | 30                       | 17                      |
| 6,710                             | 480                      | 196                     | 10,571                            | 338                      | 162                     | 10,616                            | 334                      | 155                     |
| 118,184                           | 48                       | 23                      | 107,632                           | 53                       | 29                      | 113,043                           | 50                       | 25                      |
| 639,153                           | 2                        | 2                       | 596,963                           | 2                        | 2                       | 601,636                           | 2                        | 2                       |
| 334,494                           | 14                       | 11                      | 285,220                           | 14                       | 11                      | 323,545                           | 11                       | 9                       |
|                                   |                          |                         |                                   |                          |                         |                                   |                          |                         |
|                                   |                          |                         |                                   |                          |                         |                                   |                          |                         |
| 63,290                            | 101                      | 63                      | 57,322                            | 107                      | 63                      | 63,171                            | 95                       | 56                      |
| 485,410                           | 6                        | 6                       | 427,593                           | 3                        | 3                       | 433,388                           | 4                        | 4                       |
| 66,897                            | 98                       | 60                      | 58,624                            | 103                      | 61                      | 52,963                            | 110                      | 64                      |
| 91,248                            | 70                       | 43                      | 87,593                            | 66                       | 39                      | 86,690                            | 68                       | 39                      |
|                                   |                          |                         |                                   |                          |                         |                                   |                          |                         |
| 534,343                           | 4                        | 4                       | 307,182                           | 13                       | 10                      | 319,075                           | 12                       | 10                      |
| 20,611                            | 222                      | 109                     | 17,175                            | 238                      | 111                     |                                   |                          |                         |
| 40,178                            | 139                      | 83                      | 36,172                            | 141                      | 81                      | 46,936                            | 116                      | 69                      |
| 107,694                           | 56                       | 30                      | 109,448                           | 50                       | 26                      | 122,725                           | 43                       | 19                      |
| 43,197                            | 132                      | 78                      | 45,168                            | 118                      | 70                      | 38,262                            | 132                      | 79                      |
| 10,293                            | 369                      | 169                     | 5,278                             | 530                      | 227                     | 10,104                            | 351                      | 161                     |
|                                   |                          |                         |                                   |                          |                         |                                   |                          |                         |
| 6,379                             | 498                      | 203                     | 7,661                             | 429                      | 194                     | 9,194                             | 377                      | 171                     |
| 10,873                            | 352                      | 161                     | 9,705                             | 363                      | 171                     | 10,330                            | 343                      | 158                     |
| 337,852                           | 13                       | 10                      | 349,214                           | 8                        | 8                       | 334,787                           | 10                       | 8                       |
| 94,757                            | 65                       | 38                      | 77,963                            | 77                       | 46                      | 89,685                            | 66                       | 37                      |
| 8,942                             | 397                      | 175                     | 9,268                             | 381                      | 177                     | 8,811                             | 388                      | 176                     |
| 36,276                            | 150                      | 66                      | 26,010                            | 176                      | 77                      | 28,608                            | 164                      | 75                      |
| 228,623                           | 24                       | 14                      | 230,596                           | 21                       | 13                      | 181,741                           | 29                       | 16                      |

| Annual Giving                                                           |                                        |                                      |                          |                         |                                      |                          |                         |
|-------------------------------------------------------------------------|----------------------------------------|--------------------------------------|--------------------------|-------------------------|--------------------------------------|--------------------------|-------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                        | 2013<br>Annual<br>Giving<br>x \$1000 | 2013<br>National<br>Rank | 2013<br>Control<br>Rank | 2012<br>Annual<br>Giving<br>x \$1000 | 2012<br>National<br>Rank | 2012<br>Control<br>Rank |
| Public                                                                  | Ohio State University - Columbus       | 290,595                              | 20                       | 8                       | 334,509                              | 13                       | 3                       |
| Public                                                                  | Oklahoma State Univ. - Stillwater      | 110,186                              | 61                       | 34                      | 95,230                               | 68                       | 43                      |
| Public                                                                  | Oregon Health & Science University     | 121,027                              | 56                       | 31                      | 91,560                               | 72                       | 47                      |
| Public                                                                  | Oregon State University                | 81,027                               | 88                       | 54                      | 101,634                              | 62                       | 39                      |
| Public                                                                  | Penn. St. Univ. - Hershey Med. Ctr.    | 39,174                               | 150                      | 84                      | 32,677                               | 158                      | 94                      |
| Public                                                                  | Pennsylvania State Univ. - Univ. Park  | 174,105                              | 36                       | 17                      | 145,186                              | 38                       | 18                      |
| Private                                                                 | Princeton University                   | 242,551                              | 25                       | 15                      | 246,035                              | 23                       | 13                      |
| Public                                                                  | Purdue University - West Lafayette     | 121,592                              | 55                       | 30                      | 170,449                              | 35                       | 16                      |
| Private                                                                 | Rensselaer Polytechnic Institute       | 41,814                               | 143                      | 61                      | 32,058                               | 159                      | 65                      |
| Private                                                                 | Rice University                        | 122,673                              | 53                       | 25                      | 80,676                               | 84                       | 31                      |
| Private                                                                 | Rockefeller University                 | 37,562                               | 156                      | 68                      | 28,192                               | 173                      | 73                      |
| Private                                                                 | Rush University                        |                                      |                          |                         | 7,474                                | 455                      | 254                     |
| Public                                                                  | Rutgers University - New Brunswick     | 90,313                               | 80                       | 49                      | 69,238                               | 99                       | 64                      |
| Public                                                                  | San Diego State University             | 72,452                               | 102                      | 61                      | 60,561                               | 110                      | 71                      |
| Private                                                                 | Scripps Research Institute             |                                      |                          |                         |                                      |                          |                         |
| Public                                                                  | South Dakota State University          |                                      |                          |                         |                                      |                          |                         |
| Private                                                                 | Stanford University                    | 931,569                              | 1                        | 1                       | 1,034,849                            | 1                        | 1                       |
| Public                                                                  | Stony Brook University                 | 97,892                               | 77                       | 47                      | 82,276                               | 81                       | 52                      |
| Public                                                                  | Temple University                      | 63,014                               | 112                      | 69                      | 36,757                               | 147                      | 88                      |
| Public                                                                  | Texas A&M Univ. - College Station      | 254,628                              | 23                       | 10                      | 180,886                              | 30                       | 13                      |
| Private                                                                 | Thomas Jefferson University            | 31,469                               | 176                      | 75                      | 30,299                               | 164                      | 68                      |
| Private                                                                 | Tufts University                       | 52,260                               | 124                      | 49                      | 48,937                               | 126                      | 47                      |
| Private                                                                 | Tulane University                      | 77,824                               | 95                       | 37                      | 53,572                               | 119                      | 43                      |
| Public                                                                  | Uniformed Services Univ. of the HS     |                                      |                          |                         |                                      |                          |                         |
| Public                                                                  | University at Albany                   | 8,389                                | 430                      | 195                     | 18,928                               | 220                      | 118                     |
| Public                                                                  | University at Buffalo                  | 28,700                               | 185                      | 106                     | 68,104                               | 101                      | 66                      |
| Public                                                                  | University of Alabama - Birmingham     | 63,762                               | 110                      | 67                      | 70,130                               | 97                       | 63                      |
| Public                                                                  | University of Alabama - Huntsville     | 2,435                                | 788                      | 329                     | 7,227                                | 463                      | 203                     |
| Public                                                                  | University of Alaska - Fairbanks       | 14,461                               | 295                      | 148                     | 17,829                               | 232                      | 124                     |
| Public                                                                  | University of Arizona                  | 151,363                              | 42                       | 22                      | 180,317                              | 31                       | 14                      |
| Public                                                                  | Univ. of Arkansas for Med. Sciences    | 27,370                               | 190                      | 109                     | 20,608                               | 206                      | 116                     |
| Public                                                                  | University of California - Berkeley    | 340,919                              | 15                       | 5                       | 405,435                              | 8                        | 1                       |
| Public                                                                  | University of California - Davis       | 104,743                              | 69                       | 42                      | 93,977                               | 69                       | 44                      |
| Public                                                                  | University of California - Irvine      | 77,210                               | 97                       | 59                      | 77,236                               | 87                       | 55                      |
| Public                                                                  | University of California - Los Angeles | 419,647                              | 10                       | 1                       | 344,201                              | 12                       | 2                       |
| Public                                                                  | University of California - Riverside   | 25,450                               | 193                      | 110                     | 33,837                               | 153                      | 91                      |
| Public                                                                  | University of California - San Diego   | 167,404                              | 38                       | 19                      | 135,543                              | 40                       | 20                      |
| Public                                                                  | Univ. of California - San Francisco    | 385,745                              | 12                       | 2                       | 329,477                              | 14                       | 4                       |
| Public                                                                  | Univ. of California - Santa Barbara    | 60,999                               | 116                      | 73                      | 105,362                              | 57                       | 35                      |
| Public                                                                  | University of California - Santa Cruz  | 23,684                               | 202                      | 114                     | 22,766                               | 194                      | 109                     |
| Public                                                                  | University of Central Florida          | 38,839                               | 152                      | 86                      | 14,858                               | 277                      | 141                     |
| Private                                                                 | University of Chicago                  | 289,447                              | 21                       | 13                      | 255,764                              | 21                       | 12                      |
| Public                                                                  | University of Cincinnati - Cincinnati  | 105,037                              | 67                       | 40                      | 105,168                              | 58                       | 36                      |
| Public                                                                  | University of Colorado - Boulder       | 63,377                               | 111                      | 68                      | 86,295                               | 75                       | 49                      |
| Public                                                                  | University of Colorado - Denver        | 51,596                               | 125                      | 76                      | 133,993                              | 42                       | 22                      |
| Public                                                                  | Univ. of Connecticut - Health Center   | 6,879                                | 484                      | 210                     | 6,242                                | 497                      | 211                     |
| Public                                                                  | University of Connecticut - Storrs     | 38,982                               | 151                      | 85                      | 35,371                               | 149                      | 90                      |
| Private                                                                 | University of Dayton                   | 18,071                               | 243                      | 113                     | 17,308                               | 239                      | 114                     |
| Public                                                                  | University of Delaware                 | 46,844                               | 129                      | 77                      | 45,796                               | 131                      | 81                      |

# The Top American Research Universities

| 2011<br>Annual<br>Giving<br>x \$1000 | 2011<br>National<br>Rank | 2011<br>Control<br>Rank | 2010<br>Annual<br>Giving<br>x \$1000 | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>Annual<br>Giving<br>x \$1000 | 2009<br>National<br>Rank | 2009<br>Control<br>Rank |
|--------------------------------------|--------------------------|-------------------------|--------------------------------------|--------------------------|-------------------------|--------------------------------------|--------------------------|-------------------------|
| 255,698                              | 20                       | 9                       | 214,909                              | 23                       | 9                       | 237,052                              | 22                       | 10                      |
| 95,443                               | 64                       | 37                      | 96,491                               | 60                       | 34                      |                                      |                          |                         |
| 101,446                              | 60                       | 33                      | 78,500                               | 76                       | 45                      | 115,218                              | 47                       | 22                      |
| 82,837                               | 80                       | 50                      | 75,989                               | 78                       | 47                      | 71,230                               | 86                       | 50                      |
| 720                                  | 947                      | 437                     | 396                                  | 990                      | 483                     |                                      |                          |                         |
| 245,242                              | 22                       | 10                      | 199,816                              | 27                       | 11                      | 280,112                              | 15                       | 4                       |
| 236,173                              | 23                       | 13                      | 206,729                              | 26                       | 16                      | 214,153                              | 24                       | 13                      |
| 155,438                              | 35                       | 14                      | 191,779                              | 29                       | 13                      | 173,835                              | 31                       | 14                      |
| 49,752                               | 119                      | 49                      | 37,420                               | 137                      | 58                      | 36,463                               | 136                      | 56                      |
| 85,807                               | 75                       | 29                      | 102,447                              | 57                       | 26                      | 95,588                               | 61                       | 29                      |
| 34,544                               | 158                      | 71                      | 38,039                               | 135                      | 57                      | 85,546                               | 70                       | 30                      |
| 15,019                               | 274                      | 138                     | 14,277                               | 271                      | 136                     |                                      |                          |                         |
| 152,282                              | 37                       | 16                      | 184,397                              | 30                       | 14                      | 121,827                              | 44                       | 20                      |
| 54,833                               | 109                      | 67                      | 50,776                               | 114                      | 68                      | 49,175                               | 114                      | 67                      |
| 46,317                               | 126                      | 52                      | 51,229                               | 113                      | 46                      | 50,957                               | 112                      | 47                      |
|                                      |                          |                         |                                      |                          |                         |                                      |                          |                         |
| 709,423                              | 1                        | 1                       | 598,890                              | 1                        | 1                       | 640,107                              | 1                        | 1                       |
| 44,784                               | 127                      | 75                      | 66,365                               | 93                       | 55                      | 41,033                               | 124                      | 73                      |
| 44,248                               | 129                      | 77                      | 58,946                               | 101                      | 60                      | 40,019                               | 127                      | 76                      |
| 184,051                              | 31                       | 13                      | 211,974                              | 24                       | 10                      | 186,598                              | 27                       | 13                      |
| 27,733                               | 182                      | 83                      | 25,557                               | 179                      | 78                      | 35,987                               | 138                      | 58                      |
| 62,313                               | 103                      | 39                      | 57,994                               | 104                      | 43                      | 68,178                               | 87                       | 37                      |
| 47,830                               | 123                      | 51                      | 56,633                               | 110                      | 45                      | 57,860                               | 104                      | 44                      |
| 11,659                               | 327                      | 153                     | 7,490                                | 437                      | 198                     | 18,184                               | 224                      | 115                     |
| 20,924                               | 220                      | 113                     | 32,458                               | 156                      | 88                      | 6,902                                | 453                      | 199                     |
| 32,727                               | 162                      | 90                      | 25,587                               | 178                      | 101                     | 24,082                               | 182                      | 99                      |
| 91,447                               | 69                       | 42                      | 66,594                               | 92                       | 54                      | 86,296                               | 69                       | 40                      |
| 13,526                               | 302                      | 148                     | 2,751                                | 736                      | 302                     | 1,574                                | 861                      | 370                     |
| 131,301                              | 43                       | 20                      | 137,095                              | 39                       | 18                      | 108,951                              | 52                       | 27                      |
| 147,314                              | 39                       | 17                      | 148,091                              | 38                       | 17                      | 141,386                              | 39                       | 18                      |
| 70,289                               | 95                       | 59                      | 108,403                              | 52                       | 28                      | 166,638                              | 32                       | 15                      |
| 283,347                              | 16                       | 5                       | 307,509                              | 12                       | 3                       | 255,095                              | 19                       | 8                       |
| 111,235                              | 51                       | 26                      | 109,023                              | 51                       | 27                      | 92,507                               | 64                       | 35                      |
| 94,487                               | 66                       | 39                      | 89,243                               | 64                       | 37                      | 75,562                               | 82                       | 47                      |
| 415,030                              | 8                        | 1                       | 340,407                              | 10                       | 1                       | 351,689                              | 8                        | 1                       |
| 34,940                               | 156                      | 87                      | 23,407                               | 187                      | 104                     | 20,504                               | 202                      | 106                     |
| 116,151                              | 49                       | 24                      | 106,599                              | 54                       | 30                      | 100,906                              | 58                       | 31                      |
| 409,448                              | 9                        | 2                       | 268,905                              | 15                       | 4                       | 300,424                              | 14                       | 3                       |
| 47,467                               | 124                      | 73                      | 44,853                               | 120                      | 72                      | 40,712                               | 125                      | 74                      |
| 20,117                               | 226                      | 115                     | 21,799                               | 200                      | 112                     | 32,218                               | 154                      | 85                      |
| 19,660                               | 232                      | 118                     | 31,791                               | 159                      | 90                      | 15,708                               | 251                      | 126                     |
| 246,748                              | 21                       | 12                      | 251,233                              | 18                       | 12                      | 248,804                              | 20                       | 12                      |
| 109,759                              | 54                       | 28                      | 95,382                               | 62                       | 36                      | 89,727                               | 65                       | 36                      |
| 8,669                                | 403                      | 178                     | 13,887                               | 278                      | 139                     | 6,739                                | 467                      | 203                     |
|                                      |                          |                         | 18,800                               | 222                      | 120                     |                                      |                          |                         |
| 1,411                                | 875                      | 375                     | 1,453                                | 861                      | 376                     | 1,132                                | 921                      | 409                     |
| 94,316                               | 67                       | 40                      | 57,677                               | 105                      | 62                      | 112,202                              | 51                       | 26                      |
| 15,969                               | 262                      | 130                     | 16,113                               | 246                      | 117                     | 21,159                               | 196                      | 92                      |
| 29,981                               | 173                      | 96                      | 31,699                               | 160                      | 91                      | 27,911                               | 168                      | 92                      |

| Annual Giving                                                           |                                       |                                   |                       |                      |                                   |                       |                      |
|-------------------------------------------------------------------------|---------------------------------------|-----------------------------------|-----------------------|----------------------|-----------------------------------|-----------------------|----------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                       | 2013<br>Annual Giving<br>x \$1000 | 2013<br>National Rank | 2013<br>Control Rank | 2012<br>Annual Giving<br>x \$1000 | 2012<br>National Rank | 2012<br>Control Rank |
| Public                                                                  | University of Florida                 | 210,951                           | 31                    | 15                   | 173,385                           | 33                    | 15                   |
| Public                                                                  | University of Georgia                 | 85,814                            | 84                    | 51                   | 81,568                            | 82                    | 53                   |
| Public                                                                  | University of Hawaii - Manoa          | 62,465                            | 113                   | 70                   | 50,267                            | 124                   | 79                   |
| Public                                                                  | University of Houston - Univ. Park    | 84,201                            | 86                    | 52                   | 72,850                            | 95                    | 61                   |
| Public                                                                  | University of Idaho                   | 17,759                            | 248                   | 133                  | 16,534                            | 250                   | 130                  |
| Public                                                                  | University of Illinois - Chicago      | 55,700                            | 121                   | 75                   | 59,017                            | 114                   | 72                   |
| Public                                                                  | Univ. of Illinois - Urbana-Champaign  | 169,548                           | 37                    | 18                   | 137,059                           | 39                    | 19                   |
| Public                                                                  | University of Iowa                    | 122,102                           | 54                    | 29                   | 104,392                           | 59                    | 37                   |
| Public                                                                  | University of Kansas - Lawrence       | 135,754                           | 45                    | 23                   | 121,186                           | 47                    | 26                   |
| Public                                                                  | University of Kansas Medical Center   | 33,938                            | 163                   | 94                   | 30,296                            | 165                   | 97                   |
| Public                                                                  | University of Kentucky                | 78,903                            | 93                    | 57                   | 73,788                            | 91                    | 58                   |
| Public                                                                  | University of Louisville              | 123,415                           | 52                    | 28                   | 73,547                            | 92                    | 59                   |
| Public                                                                  | University of Maryland - Baltimore    | 109,647                           | 63                    | 36                   | 77,984                            | 86                    | 54                   |
| Public                                                                  | Univ. of Maryland - Baltimore County  | 21,057                            | 220                   | 120                  | 11,776                            | 325                   | 159                  |
| Public                                                                  | University of Maryland - College Park | 79,118                            | 92                    | 56                   | 93,736                            | 71                    | 46                   |
| Public                                                                  | Univ. of Massachusetts - Amherst      | 31,914                            | 174                   | 100                  | 32,017                            | 160                   | 95                   |
| Public                                                                  | Univ. of Mass. Med. Sch. - Worcester  | 10,158                            | 379                   | 175                  | 3,584                             | 672                   | 270                  |
| Public                                                                  | Univ. of Medicine & Dentistry of NJ   |                                   |                       |                      |                                   |                       |                      |
| Private                                                                 | University of Miami                   | 180,538                           | 34                    | 18                   | 163,978                           | 37                    | 20                   |
| Public                                                                  | University of Michigan - Ann Arbor    | 351,552                           | 14                    | 4                    | 291,335                           | 17                    | 7                    |
| Public                                                                  | University of Minnesota - Twin Cities | 219,905                           | 28                    | 12                   | 254,855                           | 22                    | 10                   |
| Public                                                                  | University of Missouri - Columbia     | 103,979                           | 71                    | 44                   | 88,689                            | 74                    | 48                   |
| Public                                                                  | University of Nebraska - Lincoln      | 120,093                           | 57                    | 32                   | 109,388                           | 54                    | 32                   |
| Public                                                                  | Univ. of Nebraska Medical Center      | 70,505                            | 103                   | 62                   | 62,028                            | 107                   | 69                   |
| Public                                                                  | University of Nevada - Reno           | 28,426                            | 186                   | 107                  | 23,554                            | 192                   | 108                  |
| Public                                                                  | Univ. of New Hampshire - Durham       | 20,880                            | 221                   | 121                  | 16,501                            | 251                   | 131                  |
| Public                                                                  | Univ. of New Mexico - Albuquerque     | 65,919                            | 107                   | 66                   | 64,063                            | 105                   | 67                   |
| Public                                                                  | Univ. of North Carolina - Chapel Hill | 272,767                           | 22                    | 9                    | 286,710                           | 18                    | 8                    |
| Public                                                                  | University of North Dakota            | 9,080                             | 400                   | 186                  | 7,869                             | 440                   | 196                  |
| Private                                                                 | University of Notre Dame              | 247,928                           | 24                    | 14                   | 203,250                           | 28                    | 17                   |
| Public                                                                  | University of Oklahoma - Norman       | 162,048                           | 39                    | 20                   | 115,172                           | 51                    | 30                   |
| Public                                                                  | University of Oklahoma HSC            | 32,210                            | 172                   | 99                   | 23,801                            | 191                   | 107                  |
| Public                                                                  | University of Oregon                  | 185,648                           | 33                    | 16                   | 109,529                           | 53                    | 31                   |
| Private                                                                 | University of Pennsylvania            | 506,607                           | 6                     | 6                    | 440,603                           | 7                     | 7                    |
| Public                                                                  | University of Pittsburgh - Pittsburgh | 127,859                           | 49                    | 26                   | 118,700                           | 49                    | 28                   |
| Public                                                                  | University of Rhode Island            | 12,649                            | 334                   | 164                  | 12,719                            | 311                   | 153                  |
| Private                                                                 | University of Rochester               | 90,023                            | 81                    | 32                   | 85,415                            | 79                    | 29                   |
| Public                                                                  | Univ. of South Carolina - Columbia    | 107,008                           | 66                    | 39                   | 85,566                            | 78                    | 50                   |
| Public                                                                  | University of South Florida - Tampa   | 36,520                            | 158                   | 90                   | 43,613                            | 135                   | 83                   |
| Private                                                                 | University of Southern California     | 674,512                           | 3                     | 3                    | 491,854                           | 4                     | 4                    |
| Public                                                                  | University of Tennessee - Knoxville   | 104,164                           | 70                    | 43                   | 124,196                           | 44                    | 23                   |
| Public                                                                  | University of Tennessee HSC           |                                   |                       |                      |                                   |                       |                      |
| Public                                                                  | University of Texas - Austin          | 290,987                           | 19                    | 7                    | 258,308                           | 20                    | 9                    |
| Public                                                                  | University of Texas HSC - Houston     | 39,323                            | 149                   | 83                   | 48,552                            | 127                   | 80                   |
| Public                                                                  | Univ. of Texas HSC - San Antonio      | 37,617                            | 155                   | 88                   | 36,599                            | 148                   | 89                   |
| Public                                                                  | U. of Texas MD Anderson Cancer Ctr.   | 212,506                           | 30                    | 14                   | 186,667                           | 29                    | 12                   |
| Public                                                                  | U. of Texas Med. Branch - Galveston   | 29,682                            | 180                   | 104                  | 55,947                            | 115                   | 73                   |
| Public                                                                  | Univ. of Texas SW Med. Ctr. - Dallas  | 104,866                           | 68                    | 41                   | 120,844                           | 48                    | 27                   |
| Public                                                                  | University of Utah                    | 213,984                           | 29                    | 13                   | 134,011                           | 41                    | 21                   |

# The Top American Research Universities

| 2011<br>Annual Giving<br>x \$1000 | 2011<br>National<br>Rank | 2011<br>Control<br>Rank | 2010<br>Annual Giving<br>x \$1000 | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>Annual Giving<br>x \$1000 | 2009<br>National<br>Rank | 2009<br>Control<br>Rank |
|-----------------------------------|--------------------------|-------------------------|-----------------------------------|--------------------------|-------------------------|-----------------------------------|--------------------------|-------------------------|
| 201,029                           | 30                       | 12                      | 182,741                           | 31                       | 15                      | 202,574                           | 25                       | 12                      |
| 77,852                            | 88                       | 54                      | 69,478                            | 86                       | 50                      | 67,370                            | 90                       | 53                      |
| 13,993                            | 295                      | 144                     | 7,922                             | 415                      | 188                     | 14,574                            | 267                      | 136                     |
| 75,076                            | 91                       | 57                      | 102,407                           | 58                       | 32                      | 73,214                            | 85                       | 49                      |
| 16,493                            | 253                      | 129                     | 18,156                            | 227                      | 123                     | 16,629                            | 242                      | 123                     |
| 80,095                            | 84                       | 53                      | 64,348                            | 95                       | 57                      | 63,465                            | 94                       | 55                      |
| 126,987                           | 44                       | 21                      | 133,096                           | 40                       | 19                      | 145,279                           | 38                       | 17                      |
| 123,346                           | 46                       | 22                      | 112,793                           | 48                       | 25                      | 116,924                           | 45                       | 21                      |
| 887                               | 930                      | 421                     | 901                               | 934                      | 429                     | 1,307                             | 895                      | 394                     |
| 48,701                            | 121                      | 71                      | 35,160                            | 144                      | 83                      | 33,558                            | 150                      | 84                      |
| 77,666                            | 89                       | 55                      | 67,372                            | 90                       | 53                      | 66,790                            | 91                       | 54                      |
| 86,211                            | 74                       | 46                      | 70,645                            | 85                       | 49                      | 54,784                            | 107                      | 63                      |
| 84,143                            | 78                       | 48                      | 75,827                            | 79                       | 48                      | 79,318                            | 76                       | 43                      |
| 11,606                            | 331                      | 155                     | 8,363                             | 397                      | 182                     | 13,495                            | 286                      | 143                     |
| 96,727                            | 63                       | 36                      | 86,910                            | 67                       | 40                      | 92,685                            | 63                       | 34                      |
| 31,724                            | 166                      | 92                      | 57,272                            | 108                      | 64                      | 23,131                            | 187                      | 102                     |
|                                   |                          |                         |                                   |                          |                         | 10,606                            | 336                      | 156                     |
| 89,261                            | 73                       | 45                      | 46,311                            | 116                      | 69                      | 67,514                            | 89                       | 52                      |
| 171,938                           | 32                       | 19                      | 158,958                           | 33                       | 18                      | 153,521                           | 35                       | 19                      |
| 270,351                           | 18                       | 7                       | 252,098                           | 17                       | 6                       | 263,330                           | 17                       | 6                       |
| 257,082                           | 19                       | 8                       | 236,260                           | 19                       | 7                       | 259,825                           | 18                       | 7                       |
| 83,098                            | 79                       | 49                      | 78,600                            | 75                       | 44                      | 101,912                           | 57                       | 30                      |
| 81,136                            | 83                       | 52                      | 43,693                            | 121                      | 73                      | 51,789                            | 111                      | 65                      |
| 5,801                             | 518                      | 213                     | 6,378                             | 482                      | 209                     | 6,011                             | 502                      | 212                     |
| 23,069                            | 208                      | 109                     | 21,271                            | 203                      | 115                     | 25,977                            | 174                      | 96                      |
| 4,974                             | 560                      | 229                     | 11,539                            | 316                      | 154                     | 15,428                            | 257                      | 131                     |
| 65,882                            | 100                      | 62                      | 53,877                            | 112                      | 67                      | 62,756                            | 96                       | 57                      |
| 274,947                           | 17                       | 6                       | 266,857                           | 16                       | 5                       | 270,111                           | 16                       | 5                       |
| 8,067                             | 424                      | 184                     | 9,985                             | 354                      | 168                     | 6,480                             | 479                      | 207                     |
| 205,160                           | 29                       | 18                      | 221,616                           | 22                       | 14                      | 186,453                           | 28                       | 15                      |
| 32,875                            | 161                      | 89                      | 31,141                            | 163                      | 93                      | 27,914                            | 167                      | 91                      |
| 48,300                            | 122                      | 72                      | 37,818                            | 136                      | 79                      | 40,056                            | 126                      | 75                      |
| 93,096                            | 68                       | 41                      | 120,639                           | 44                       | 22                      | 99,539                            | 59                       | 32                      |
| 437,718                           | 7                        | 7                       | 381,592                           | 6                        | 6                       | 439,769                           | 3                        | 3                       |
| 114,482                           | 50                       | 25                      | 113,203                           | 47                       | 24                      | 115,113                           | 48                       | 23                      |
| 18,911                            | 237                      | 121                     | 17,163                            | 240                      | 128                     | 13,511                            | 285                      | 142                     |
| 72,118                            | 93                       | 35                      | 71,225                            | 84                       | 36                      | 64,196                            | 93                       | 39                      |
| 75,785                            | 90                       | 56                      | 67,983                            | 87                       | 51                      | 75,829                            | 81                       | 46                      |
| 81,492                            | 81                       | 51                      | 36,385                            | 140                      | 80                      | 34,011                            | 148                      | 83                      |
| 402,411                           | 10                       | 8                       | 426,016                           | 4                        | 4                       | 368,981                           | 6                        | 6                       |
| 100,706                           | 62                       | 35                      | 95,536                            | 61                       | 35                      | 89,312                            | 67                       | 38                      |
| 66,762                            | 99                       | 61                      | 40,936                            | 128                      | 75                      | 56,049                            | 106                      | 62                      |
| 354,339                           | 11                       | 3                       | 235,293                           | 20                       | 8                       | 238,004                           | 21                       | 9                       |
| 41,844                            | 134                      | 79                      | 39,681                            | 131                      | 77                      | 37,643                            | 134                      | 80                      |
| 32,025                            | 163                      | 91                      | 33,125                            | 154                      | 87                      | 39,240                            | 129                      | 78                      |
| 153,732                           | 36                       | 15                      | 123,753                           | 42                       | 20                      | 92,779                            | 62                       | 33                      |
| 26,704                            | 187                      | 100                     | 23,698                            | 186                      | 103                     | 28,399                            | 165                      | 90                      |
| 139,808                           | 42                       | 19                      | 151,125                           | 37                       | 16                      | 114,936                           | 49                       | 24                      |
| 140,718                           | 41                       | 18                      | 121,511                           | 43                       | 21                      | 106,856                           | 53                       | 28                      |

## Annual Giving

| Institutions with Over \$40 Million<br>in Federal Research, Alphabetically |                                          | 2013<br>Annual<br>Giving<br>x \$1000 | 2013<br>National<br>Rank | 2013<br>Control<br>Rank | 2012<br>Annual<br>Giving<br>x \$1000 | 2012<br>National<br>Rank | 2012<br>Control<br>Rank |
|----------------------------------------------------------------------------|------------------------------------------|--------------------------------------|--------------------------|-------------------------|--------------------------------------|--------------------------|-------------------------|
| Public                                                                     | University of Vermont                    | 37,003                               | 157                      | 89                      | 21,728                               | 200                      | 114                     |
| Public                                                                     | University of Virginia                   | 224,541                              | 27                       | 11                      | 237,221                              | 24                       | 11                      |
| Public                                                                     | University of Washington - Seattle       | 322,231                              | 17                       | 6                       | 295,564                              | 16                       | 6                       |
| Public                                                                     | University of Wisconsin - Madison        | 360,689                              | 13                       | 3                       | 315,278                              | 15                       | 5                       |
| Public                                                                     | University of Wyoming                    | 43,884                               | 137                      | 81                      | 26,503                               | 182                      | 105                     |
| Public                                                                     | Utah State University                    | 32,488                               | 170                      | 97                      | 27,664                               | 177                      | 102                     |
| Private                                                                    | Vanderbilt University                    | 145,433                              | 44                       | 22                      | 126,367                              | 43                       | 21                      |
| Public                                                                     | Virginia Commonwealth University         | 59,238                               | 117                      | 74                      | 101,716                              | 61                       | 38                      |
| Public                                                                     | Virginia Polytechnic Inst. and St. Univ. | 86,970                               | 83                       | 50                      | 75,120                               | 89                       | 57                      |
| Private                                                                    | Wake Forest University                   | 79,631                               | 90                       | 35                      | 73,797                               | 90                       | 33                      |
| Public                                                                     | Washington State Univ. - Pullman         | 45,336                               | 132                      | 78                      | 105,469                              | 56                       | 34                      |
| Private                                                                    | Washington University in St. Louis       | 233,019                              | 26                       | 16                      | 205,687                              | 27                       | 16                      |
| Public                                                                     | Wayne State University                   |                                      |                          |                         | 53,761                               | 118                      | 76                      |
| Private                                                                    | Weill Cornell Medical College            | 148,460                              | 43                       | 21                      | 67,578                               | 102                      | 36                      |
| Public                                                                     | West Virginia University                 | 99,034                               | 76                       | 46                      | 83,933                               | 80                       | 51                      |
| Private                                                                    | Woods Hole Oceanographic Inst.           |                                      |                          |                         |                                      |                          |                         |
| Private                                                                    | Yale University                          | 444,171                              | 8                        | 8                       | 543,905                              | 3                        | 3                       |
| Private                                                                    | Yeshiva University                       | 75,591                               | 99                       | 39                      | 86,032                               | 77                       | 28                      |

| 2011<br>Annual Giving<br>x \$1000 | 2011<br>National<br>Rank | 2011<br>Control<br>Rank | 2010<br>Annual Giving<br>x \$1000 | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>Annual Giving<br>x \$1000 | 2009<br>National<br>Rank | 2009<br>Control<br>Rank |
|-----------------------------------|--------------------------|-------------------------|-----------------------------------|--------------------------|-------------------------|-----------------------------------|--------------------------|-------------------------|
| 29,069                            | 176                      | 98                      | 27,787                            | 174                      | 99                      | 26,668                            | 171                      | 94                      |
| 216,162                           | 26                       | 11                      | 194,218                           | 28                       | 12                      | 233,473                           | 23                       | 11                      |
| 104,911                           | 57                       | 31                      | 100,319                           | 59                       | 33                      | 83,448                            | 73                       | 41                      |
| 315,768                           | 15                       | 4                       | 311,847                           | 11                       | 2                       | 341,805                           | 9                        | 2                       |
| 36,569                            | 148                      | 84                      | 28,907                            | 169                      | 97                      | 20,341                            | 203                      | 107                     |
| 30,705                            | 170                      | 95                      | 64,466                            | 94                       | 56                      | 30,677                            | 159                      | 88                      |
| 119,441                           | 47                       | 25                      | 123,863                           | 41                       | 22                      | 160,414                           | 33                       | 18                      |
| 47,432                            | 125                      | 74                      | 57,230                            | 109                      | 65                      | 61,143                            | 98                       | 59                      |
| 91,001                            | 71                       | 44                      | 81,263                            | 71                       | 42                      | 78,626                            | 77                       | 44                      |
| 110,603                           | 53                       | 26                      | 57,536                            | 106                      | 44                      | 60,135                            | 100                      | 40                      |
| 26,228                            | 189                      | 101                     | 25,080                            | 182                      | 102                     | 20,862                            | 200                      | 105                     |
| 215,071                           | 27                       | 16                      | 210,958                           | 25                       | 15                      | 152,947                           | 36                       | 20                      |
| 51,344                            | 116                      | 69                      | 45,088                            | 119                      | 71                      | 39,435                            | 128                      | 77                      |
| 79,145                            | 86                       | 33                      | 74,295                            | 80                       | 32                      | 96,391                            | 60                       | 28                      |
| 84,984                            | 77                       | 47                      | 67,385                            | 89                       | 52                      | 57,025                            | 105                      | 61                      |
| 125,031                           | 45                       | 24                      | 110,399                           | 49                       | 24                      | 115,908                           | 46                       | 25                      |
| 580,325                           | 3                        | 3                       | 380,903                           | 7                        | 7                       | 358,148                           | 7                        | 7                       |
| 79,567                            | 85                       | 32                      | 72,721                            | 82                       | 34                      | 102,327                           | 56                       | 27                      |

## National Academy Membership

| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                       | 2013<br>National<br>Academy<br>Membership | 2013<br>National<br>Rank | 2013<br>Control<br>Rank | 2012<br>National<br>Academy<br>Membership | 2012<br>National<br>Rank | 2012<br>Control<br>Rank |
|-------------------------------------------------------------------------|---------------------------------------|-------------------------------------------|--------------------------|-------------------------|-------------------------------------------|--------------------------|-------------------------|
| Public                                                                  | Arizona State University - Tempe      | 21                                        | 54                       | 29                      | 20                                        | 54                       | 29                      |
| Public                                                                  | Auburn University                     | 1                                         | 165                      | 101                     | 1                                         | 163                      | 99                      |
| Private                                                                 | Baylor College of Medicine            | 22                                        | 51                       | 25                      | 21                                        | 52                       | 25                      |
| Private                                                                 | Boston University                     | 20                                        | 56                       | 27                      | 19                                        | 56                       | 27                      |
| Private                                                                 | Brandeis University                   | 12                                        | 67                       | 33                      | 12                                        | 66                       | 32                      |
| Private                                                                 | Brown University                      | 18                                        | 58                       | 29                      | 17                                        | 60                       | 29                      |
| Private                                                                 | California Institute of Technology    | 111                                       | 10                       | 7                       | 110                                       | 9                        | 6                       |
| Private                                                                 | Carnegie Mellon University            | 37                                        | 31                       | 18                      | 32                                        | 33                       | 18                      |
| Private                                                                 | Case Western Reserve University       | 19                                        | 57                       | 28                      | 18                                        | 58                       | 28                      |
| Public                                                                  | Clemson University                    | 2                                         | 137                      | 82                      | 2                                         | 136                      | 81                      |
| Public                                                                  | Cleveland State University            | 0                                         | 220                      | 137                     | 0                                         | 220                      | 136                     |
| Private                                                                 | Cold Springs Harbor Laboratory        | 4                                         | 105                      | 44                      | 4                                         | 105                      | 44                      |
| Public                                                                  | Colorado State Univ. - Fort Collins   | 5                                         | 101                      | 59                      | 5                                         | 100                      | 58                      |
| Private                                                                 | Columbia University                   | 125                                       | 6                        | 4                       | 120                                       | 6                        | 4                       |
| Private                                                                 | Cornell University                    | 61                                        | 20                       | 12                      | 61                                        | 19                       | 11                      |
| Private                                                                 | Dartmouth College                     | 14                                        | 64                       | 31                      | 15                                        | 62                       | 30                      |
| Private                                                                 | Drexel University                     | 6                                         | 95                       | 41                      | 7                                         | 88                       | 40                      |
| Private                                                                 | Duke University                       | 63                                        | 18                       | 10                      | 62                                        | 18                       | 10                      |
| Private                                                                 | Emory University                      | 27                                        | 41                       | 20                      | 27                                        | 43                       | 21                      |
| Public                                                                  | Florida International University      | 1                                         | 165                      | 101                     | 1                                         | 163                      | 99                      |
| Public                                                                  | Florida State University              | 6                                         | 95                       | 55                      | 7                                         | 88                       | 49                      |
| Public                                                                  | George Mason University               | 2                                         | 137                      | 82                      | 2                                         | 136                      | 81                      |
| Private                                                                 | George Washington University          | 10                                        | 69                       | 35                      | 11                                        | 68                       | 34                      |
| Private                                                                 | Georgetown University                 | 10                                        | 69                       | 35                      | 11                                        | 68                       | 34                      |
| Public                                                                  | Georgia Health Sciences University    | 0                                         | 220                      | 137                     | 0                                         | 220                      | 136                     |
| Public                                                                  | Georgia Institute of Technology       | 26                                        | 43                       | 22                      | 30                                        | 36                       | 18                      |
| Private                                                                 | Harvard University                    | 356                                       | 1                        | 1                       | 355                                       | 1                        | 1                       |
| Private                                                                 | Icahn School of Med. at Mount Sinai   | 16                                        | 61                       | 30                      | 14                                        | 63                       | 31                      |
| Public                                                                  | Indiana University - Bloomington      | 8                                         | 83                       | 46                      | 10                                        | 70                       | 35                      |
| Public                                                                  | Indiana U. - Purdue U. - Indianapolis | 6                                         | 95                       | 55                      | 6                                         | 96                       | 55                      |
| Public                                                                  | Iowa State University                 | 7                                         | 90                       | 51                      | 7                                         | 88                       | 49                      |
| Private                                                                 | Johns Hopkins University              | 91                                        | 15                       | 9                       | 90                                        | 15                       | 9                       |
| Public                                                                  | Kansas State University               | 1                                         | 165                      | 101                     | 0                                         | 220                      | 136                     |
| Public                                                                  | Louisiana State Univ. - Baton Rouge   | 3                                         | 115                      | 69                      | 2                                         | 136                      | 81                      |
| Public                                                                  | Louisiana St. U. HSC - New Orleans    | 0                                         | 220                      | 137                     | 0                                         | 220                      | 136                     |
| Private                                                                 | Massachusetts Inst. of Technology     | 270                                       | 3                        | 3                       | 269                                       | 3                        | 3                       |
| Private                                                                 | Medical College of Wisconsin          | 3                                         | 115                      | 47                      | 3                                         | 113                      | 49                      |
| Public                                                                  | Medical University of South Carolina  | 3                                         | 115                      | 69                      | 3                                         | 113                      | 65                      |
| Public                                                                  | Michigan State University             | 10                                        | 69                       | 35                      | 9                                         | 73                       | 37                      |
| Public                                                                  | Mississippi State University          | 2                                         | 137                      | 82                      | 1                                         | 163                      | 99                      |
| Public                                                                  | Montana State University - Bozeman    | 0                                         | 220                      | 137                     | 0                                         | 220                      | 136                     |
| Public                                                                  | Naval Postgraduate School             | 3                                         | 115                      | 69                      | 3                                         | 113                      | 65                      |
| Public                                                                  | New Jersey Institute of Technology    | 2                                         | 137                      | 82                      | 2                                         | 136                      | 81                      |
| Public                                                                  | New Mexico State Univ. - Las Cruces   | 0                                         | 220                      | 137                     | 0                                         | 220                      | 136                     |
| Private                                                                 | New York University                   | 52                                        | 23                       | 13                      | 45                                        | 25                       | 15                      |
| Public                                                                  | North Carolina State University       | 18                                        | 58                       | 30                      | 19                                        | 56                       | 30                      |
| Public                                                                  | North Dakota State University         | 0                                         | 220                      | 137                     | 0                                         | 220                      | 136                     |
| Private                                                                 | Northeastern University               | 3                                         | 115                      | 47                      | 3                                         | 113                      | 49                      |
| Private                                                                 | Northwestern University               | 43                                        | 28                       | 17                      | 42                                        | 27                       | 17                      |

| 2011<br>National<br>Academy<br>Membership | 2011<br>National<br>Rank | 2011<br>Control<br>Rank | 2010<br>National<br>Academy<br>Membership | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>National<br>Academy<br>Membership | 2009<br>National<br>Rank | 2009<br>Control<br>Rank |
|-------------------------------------------|--------------------------|-------------------------|-------------------------------------------|--------------------------|-------------------------|-------------------------------------------|--------------------------|-------------------------|
| 20                                        | 53                       | 29                      | 20                                        | 52                       | 29                      | 20                                        | 51                       | 29                      |
| 2                                         | 133                      | 78                      | 2                                         | 133                      | 79                      | 1                                         | 153                      | 94                      |
| 21                                        | 51                       | 23                      | 20                                        | 52                       | 24                      | 14                                        | 58                       | 27                      |
| 18                                        | 55                       | 25                      | 16                                        | 59                       | 28                      | 16                                        | 56                       | 25                      |
| 11                                        | 67                       | 34                      | 11                                        | 68                       | 34                      | 10                                        | 69                       | 33                      |
| 15                                        | 60                       | 29                      | 16                                        | 59                       | 28                      | 17                                        | 53                       | 23                      |
| 109                                       | 8                        | 6                       | 107                                       | 10                       | 7                       | 106                                       | 8                        | 5                       |
| 34                                        | 32                       | 18                      | 34                                        | 33                       | 18                      | 32                                        | 32                       | 18                      |
| 18                                        | 55                       | 25                      | 17                                        | 57                       | 26                      | 17                                        | 53                       | 23                      |
| 1                                         | 163                      | 100                     | 1                                         | 161                      | 98                      | 1                                         | 153                      | 94                      |
| 0                                         | 218                      | 137                     | 0                                         | 220                      | 137                     | 0                                         | 215                      | 135                     |
| 3                                         | 109                      | 47                      | 3                                         | 111                      | 47                      | 3                                         | 110                      | 46                      |
| 5                                         | 98                       | 57                      | 5                                         | 98                       | 57                      | 6                                         | 93                       | 53                      |
| 115                                       | 6                        | 4                       | 117                                       | 5                        | 4                       | 113                                       | 5                        | 4                       |
| 62                                        | 18                       | 10                      | 65                                        | 18                       | 10                      | 61                                        | 18                       | 10                      |
| 15                                        | 60                       | 29                      | 14                                        | 62                       | 30                      | 14                                        | 58                       | 27                      |
| 6                                         | 93                       | 41                      | 6                                         | 94                       | 41                      | 7                                         | 84                       | 38                      |
| 60                                        | 19                       | 11                      | 59                                        | 19                       | 11                      | 54                                        | 20                       | 11                      |
| 25                                        | 44                       | 21                      | 25                                        | 44                       | 21                      | 23                                        | 45                       | 21                      |
| 2                                         | 133                      | 78                      | 2                                         | 133                      | 79                      | 2                                         | 127                      | 74                      |
| 7                                         | 88                       | 49                      | 7                                         | 87                       | 48                      | 7                                         | 84                       | 47                      |
| 2                                         | 133                      | 78                      | 2                                         | 133                      | 79                      | 3                                         | 110                      | 65                      |
| 9                                         | 72                       | 35                      | 8                                         | 78                       | 36                      | 7                                         | 84                       | 38                      |
| 8                                         | 80                       | 37                      | 8                                         | 78                       | 36                      | 7                                         | 84                       | 38                      |
| 0                                         | 218                      | 137                     | 0                                         | 220                      | 137                     | 0                                         | 215                      | 135                     |
| 30                                        | 35                       | 17                      | 29                                        | 37                       | 18                      | 28                                        | 36                       | 18                      |
| 352                                       | 1                        | 1                       | 348                                       | 1                        | 1                       | 327                                       | 1                        | 1                       |
| 13                                        | 64                       | 31                      | 13                                        | 63                       | 31                      | 13                                        | 61                       | 29                      |
| 10                                        | 69                       | 35                      | 10                                        | 70                       | 36                      | 11                                        | 67                       | 35                      |
| 7                                         | 88                       | 49                      | 7                                         | 87                       | 48                      | 6                                         | 93                       | 53                      |
| 8                                         | 80                       | 44                      | 9                                         | 72                       | 38                      | 8                                         | 75                       | 41                      |
| 84                                        | 15                       | 9                       | 84                                        | 14                       | 9                       | 85                                        | 13                       | 9                       |
| 0                                         | 218                      | 137                     | 0                                         | 220                      | 137                     | 0                                         | 215                      | 135                     |
| 2                                         | 133                      | 78                      | 2                                         | 133                      | 79                      | 2                                         | 127                      | 74                      |
| 0                                         | 218                      | 137                     | 0                                         | 220                      | 137                     | 0                                         | 215                      | 135                     |
| 268                                       | 3                        | 3                       | 265                                       | 3                        | 3                       | 257                                       | 3                        | 3                       |
| 3                                         | 109                      | 47                      | 2                                         | 133                      | 55                      | 2                                         | 127                      | 54                      |
| 3                                         | 109                      | 63                      | 3                                         | 111                      | 65                      | 2                                         | 127                      | 74                      |
| 8                                         | 80                       | 44                      | 7                                         | 87                       | 48                      | 7                                         | 84                       | 47                      |
| 1                                         | 163                      | 100                     | 1                                         | 161                      | 98                      | 1                                         | 153                      | 94                      |
| 0                                         | 218                      | 137                     | 0                                         | 220                      | 137                     | 0                                         | 215                      | 135                     |
| 3                                         | 109                      | 63                      | 3                                         | 111                      | 65                      | 3                                         | 110                      | 65                      |
| 2                                         | 133                      | 78                      | 2                                         | 133                      | 79                      | 2                                         | 127                      | 74                      |
| 0                                         | 218                      | 137                     | 0                                         | 220                      | 137                     | 0                                         | 215                      | 135                     |
| 41                                        | 26                       | 16                      | 42                                        | 26                       | 16                      | 42                                        | 25                       | 15                      |
| 18                                        | 55                       | 31                      | 18                                        | 54                       | 30                      | 17                                        | 53                       | 31                      |
| 0                                         | 218                      | 137                     | 0                                         | 220                      | 137                     | 0                                         | 215                      | 135                     |
| 3                                         | 109                      | 47                      | 2                                         | 133                      | 55                      | 1                                         | 153                      | 60                      |
| 40                                        | 27                       | 17                      | 42                                        | 26                       | 16                      | 38                                        | 28                       | 17                      |

| National Academy Membership                                             |                                        |                                           |                          |                         |                                           |                          |                         |
|-------------------------------------------------------------------------|----------------------------------------|-------------------------------------------|--------------------------|-------------------------|-------------------------------------------|--------------------------|-------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                        | 2013<br>National<br>Academy<br>Membership | 2013<br>National<br>Rank | 2013<br>Control<br>Rank | 2012<br>National<br>Academy<br>Membership | 2012<br>National<br>Rank | 2012<br>Control<br>Rank |
| Public                                                                  | Ohio State University - Columbus       | 32                                        | 34                       | 16                      | 30                                        | 36                       | 18                      |
| Public                                                                  | Oklahoma State University - Stillwater | 3                                         | 115                      | 69                      | 3                                         | 113                      | 65                      |
| Public                                                                  | Oregon Health & Science University     | 9                                         | 74                       | 37                      | 9                                         | 73                       | 37                      |
| Public                                                                  | Oregon State University                | 4                                         | 105                      | 62                      | 3                                         | 113                      | 65                      |
| Public                                                                  | Penn. St. Univ. - Hershey Med. Ctr.    | 2                                         | 137                      | 82                      | 1                                         | 163                      | 99                      |
| Public                                                                  | Pennsylvania State Univ. - Univ. Park  | 26                                        | 43                       | 22                      | 24                                        | 47                       | 25                      |
| Private                                                                 | Princeton University                   | 120                                       | 7                        | 5                       | 117                                       | 7                        | 5                       |
| Public                                                                  | Purdue University - West Lafayette     | 25                                        | 47                       | 25                      | 26                                        | 45                       | 24                      |
| Private                                                                 | Rensselaer Polytechnic Institute       | 8                                         | 83                       | 38                      | 8                                         | 83                       | 38                      |
| Private                                                                 | Rice University                        | 25                                        | 47                       | 23                      | 23                                        | 49                       | 23                      |
| Private                                                                 | Rockefeller University                 | 46                                        | 26                       | 16                      | 46                                        | 24                       | 14                      |
| Private                                                                 | Rush University                        | 2                                         | 137                      | 56                      | 2                                         | 136                      | 56                      |
| Public                                                                  | Rutgers University - New Brunswick     | 37                                        | 31                       | 14                      | 34                                        | 32                       | 15                      |
| Public                                                                  | San Diego State University             | 0                                         | 220                      | 137                     | 0                                         | 220                      | 136                     |
| Private                                                                 | Scripps Research Institute             | 26                                        | 43                       | 22                      | 26                                        | 45                       | 22                      |
| Public                                                                  | South Dakota State University          | 0                                         | 220                      | 137                     | 0                                         | 220                      | 136                     |
| Private                                                                 | Stanford University                    | 310                                       | 2                        | 2                       | 297                                       | 2                        | 2                       |
| Public                                                                  | Stony Brook University                 | 14                                        | 64                       | 34                      | 14                                        | 63                       | 33                      |
| Public                                                                  | Temple University                      | 3                                         | 115                      | 69                      | 2                                         | 136                      | 81                      |
| Public                                                                  | Texas A&M Univ. - College Station      | 22                                        | 51                       | 27                      | 23                                        | 49                       | 27                      |
| Private                                                                 | Thomas Jefferson University            | 3                                         | 115                      | 47                      | 4                                         | 105                      | 44                      |
| Private                                                                 | Tufts University                       | 11                                        | 68                       | 34                      | 10                                        | 70                       | 36                      |
| Private                                                                 | Tulane University                      | 1                                         | 165                      | 65                      | 2                                         | 136                      | 56                      |
| Public                                                                  | Uniformed Services Univ. of the HS     | 4                                         | 105                      | 62                      | 4                                         | 105                      | 62                      |
| Public                                                                  | University at Albany                   | 2                                         | 137                      | 82                      | 2                                         | 136                      | 81                      |
| Public                                                                  | University at Buffalo                  | 7                                         | 90                       | 51                      | 7                                         | 88                       | 49                      |
| Public                                                                  | University of Alabama - Birmingham     | 7                                         | 90                       | 51                      | 7                                         | 88                       | 49                      |
| Public                                                                  | University of Alabama - Huntsville     | 0                                         | 220                      | 137                     | 1                                         | 163                      | 99                      |
| Public                                                                  | University of Alaska - Fairbanks       | 1                                         | 165                      | 101                     | 1                                         | 163                      | 99                      |
| Public                                                                  | University of Arizona                  | 28                                        | 40                       | 21                      | 28                                        | 40                       | 22                      |
| Public                                                                  | Univ. of Arkansas for Med. Sciences    | 1                                         | 165                      | 101                     | 1                                         | 163                      | 99                      |
| Public                                                                  | University of California - Berkeley    | 227                                       | 4                        | 1                       | 230                                       | 4                        | 1                       |
| Public                                                                  | University of California - Davis       | 44                                        | 27                       | 11                      | 41                                        | 28                       | 11                      |
| Public                                                                  | University of California - Irvine      | 30                                        | 38                       | 19                      | 31                                        | 35                       | 17                      |
| Public                                                                  | University of California - Los Angeles | 95                                        | 14                       | 6                       | 94                                        | 14                       | 6                       |
| Public                                                                  | University of California - Riverside   | 8                                         | 83                       | 46                      | 7                                         | 88                       | 49                      |
| Public                                                                  | University of California - San Diego   | 117                                       | 8                        | 3                       | 115                                       | 8                        | 3                       |
| Public                                                                  | Univ. of California - San Francisco    | 129                                       | 5                        | 2                       | 125                                       | 5                        | 2                       |
| Public                                                                  | Univ. of California - Santa Barbara    | 57                                        | 21                       | 9                       | 60                                        | 20                       | 9                       |
| Public                                                                  | University of California - Santa Cruz  | 9                                         | 74                       | 37                      | 9                                         | 73                       | 37                      |
| Public                                                                  | University of Central Florida          | 1                                         | 165                      | 101                     | 1                                         | 163                      | 99                      |
| Private                                                                 | University of Chicago                  | 63                                        | 18                       | 10                      | 60                                        | 20                       | 12                      |
| Public                                                                  | University of Cincinnati - Cincinnati  | 9                                         | 74                       | 37                      | 9                                         | 73                       | 37                      |
| Public                                                                  | University of Colorado - Boulder       | 30                                        | 38                       | 19                      | 29                                        | 39                       | 21                      |
| Public                                                                  | University of Colorado - Denver        | 15                                        | 62                       | 32                      | 16                                        | 61                       | 32                      |
| Public                                                                  | Univ. of Connecticut - Health Center   | 4                                         | 105                      | 62                      | 4                                         | 105                      | 62                      |
| Public                                                                  | University of Connecticut - Storrs     | 1                                         | 165                      | 101                     | 1                                         | 163                      | 99                      |
| Private                                                                 | University of Dayton                   | 0                                         | 220                      | 84                      | 0                                         | 220                      | 85                      |
| Public                                                                  | University of Delaware                 | 7                                         | 90                       | 51                      | 8                                         | 83                       | 46                      |

| 2011<br>National<br>Academy<br>Membership | 2011<br>National<br>Rank | 2011<br>Control<br>Rank | 2010<br>National<br>Academy<br>Membership | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>National<br>Academy<br>Membership | 2009<br>National<br>Rank | 2009<br>Control<br>Rank |
|-------------------------------------------|--------------------------|-------------------------|-------------------------------------------|--------------------------|-------------------------|-------------------------------------------|--------------------------|-------------------------|
| 28                                        | 39                       | 20                      | 27                                        | 40                       | 21                      | 26                                        | 40                       | 21                      |
| 3                                         | 109                      | 63                      | 3                                         | 111                      | 65                      | 3                                         | 110                      | 65                      |
| 9                                         | 72                       | 38                      | 8                                         | 78                       | 43                      | 7                                         | 84                       | 47                      |
| 3                                         | 109                      | 63                      | 4                                         | 104                      | 61                      | 4                                         | 103                      | 61                      |
| 1                                         | 163                      | 100                     | 1                                         | 161                      | 98                      | 1                                         | 153                      | 94                      |
| 23                                        | 47                       | 25                      | 24                                        | 45                       | 24                      | 24                                        | 44                       | 24                      |
| 114                                       | 7                        | 5                       | 112                                       | 7                        | 5                       | 104                                       | 10                       | 7                       |
| 25                                        | 44                       | 24                      | 24                                        | 45                       | 24                      | 21                                        | 48                       | 27                      |
| 8                                         | 80                       | 37                      | 8                                         | 78                       | 36                      | 8                                         | 75                       | 35                      |
| 18                                        | 55                       | 25                      | 17                                        | 57                       | 26                      | 16                                        | 56                       | 25                      |
| 48                                        | 24                       | 14                      | 48                                        | 23                       | 13                      | 45                                        | 24                       | 14                      |
| 2                                         | 133                      | 56                      | 3                                         | 111                      | 47                      | 3                                         | 110                      | 46                      |
| 35                                        | 30                       | 13                      | 36                                        | 29                       | 12                      | 36                                        | 29                       | 12                      |
| 0                                         | 218                      | 137                     | 0                                         | 220                      | 137                     | 0                                         | 215                      | 135                     |
| 26                                        | 41                       | 20                      | 26                                        | 42                       | 20                      | 26                                        | 40                       | 20                      |
| 0                                         | 218                      | 137                     | 0                                         | 220                      | 137                     | 0                                         | 215                      | 135                     |
| 294                                       | 2                        | 2                       | 289                                       | 2                        | 2                       | 278                                       | 2                        | 2                       |
| 11                                        | 67                       | 34                      | 12                                        | 66                       | 34                      | 11                                        | 67                       | 35                      |
| 2                                         | 133                      | 78                      | 2                                         | 133                      | 79                      | 1                                         | 153                      | 94                      |
| 22                                        | 49                       | 27                      | 22                                        | 49                       | 27                      | 22                                        | 47                       | 26                      |
| 5                                         | 98                       | 42                      | 5                                         | 98                       | 42                      | 5                                         | 97                       | 41                      |
| 9                                         | 72                       | 35                      | 9                                         | 72                       | 35                      | 9                                         | 70                       | 34                      |
| 2                                         | 133                      | 56                      | 2                                         | 133                      | 55                      | 1                                         | 153                      | 60                      |
| 3                                         | 109                      | 63                      | 3                                         | 111                      | 65                      | 2                                         | 127                      | 74                      |
| 2                                         | 133                      | 78                      | 1                                         | 161                      | 98                      | 1                                         | 153                      | 94                      |
| 7                                         | 88                       | 49                      | 7                                         | 87                       | 48                      | 7                                         | 84                       | 47                      |
| 5                                         | 98                       | 57                      | 6                                         | 94                       | 54                      | 5                                         | 97                       | 57                      |
| 1                                         | 163                      | 100                     | 1                                         | 161                      | 98                      | 1                                         | 153                      | 94                      |
| 1                                         | 163                      | 100                     | 1                                         | 161                      | 98                      | 1                                         | 153                      | 94                      |
| 26                                        | 41                       | 22                      | 27                                        | 40                       | 21                      | 26                                        | 40                       | 21                      |
| 1                                         | 163                      | 100                     | 1                                         | 161                      | 98                      | 1                                         | 153                      | 94                      |
| 228                                       | 4                        | 1                       | 226                                       | 4                        | 1                       | 219                                       | 4                        | 1                       |
| 39                                        | 28                       | 11                      | 36                                        | 29                       | 12                      | 32                                        | 32                       | 15                      |
| 34                                        | 32                       | 15                      | 35                                        | 31                       | 14                      | 34                                        | 30                       | 13                      |
| 95                                        | 13                       | 5                       | 91                                        | 13                       | 5                       | 85                                        | 13                       | 5                       |
| 6                                         | 93                       | 53                      | 6                                         | 94                       | 54                      | 5                                         | 97                       | 57                      |
| 109                                       | 8                        | 3                       | 110                                       | 9                        | 3                       | 111                                       | 6                        | 2                       |
| 118                                       | 5                        | 2                       | 116                                       | 6                        | 2                       | 111                                       | 6                        | 2                       |
| 57                                        | 21                       | 9                       | 57                                        | 22                       | 10                      | 53                                        | 21                       | 10                      |
| 9                                         | 72                       | 38                      | 9                                         | 72                       | 38                      | 8                                         | 75                       | 41                      |
| 1                                         | 163                      | 100                     | 1                                         | 161                      | 98                      | 1                                         | 153                      | 94                      |
| 58                                        | 20                       | 12                      | 58                                        | 21                       | 12                      | 52                                        | 22                       | 12                      |
| 10                                        | 69                       | 35                      | 10                                        | 70                       | 36                      | 9                                         | 70                       | 37                      |
| 26                                        | 41                       | 22                      | 29                                        | 37                       | 18                      | 28                                        | 36                       | 18                      |
| 15                                        | 60                       | 32                      | 15                                        | 61                       | 32                      | 13                                        | 61                       | 33                      |
| 4                                         | 102                      | 60                      | 3                                         | 111                      | 65                      | 3                                         | 110                      | 65                      |
| 1                                         | 163                      | 100                     | 1                                         | 161                      | 98                      | 1                                         | 153                      | 94                      |
| 0                                         | 218                      | 82                      | 0                                         | 220                      | 84                      | 0                                         | 215                      | 81                      |
| 8                                         | 80                       | 44                      | 8                                         | 78                       | 43                      | 9                                         | 70                       | 37                      |

| National Academy Membership                                             |                                       |                                           |                          |                         |                                           |                          |                         |
|-------------------------------------------------------------------------|---------------------------------------|-------------------------------------------|--------------------------|-------------------------|-------------------------------------------|--------------------------|-------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                       | 2013<br>National<br>Academy<br>Membership | 2013<br>National<br>Rank | 2013<br>Control<br>Rank | 2012<br>National<br>Academy<br>Membership | 2012<br>National<br>Rank | 2012<br>Control<br>Rank |
| Public                                                                  | University of Florida                 | 24                                        | 49                       | 26                      | 24                                        | 47                       | 25                      |
| Public                                                                  | University of Georgia                 | 6                                         | 95                       | 55                      | 6                                         | 96                       | 55                      |
| Public                                                                  | University of Hawaii - Manoa          | 9                                         | 74                       | 37                      | 9                                         | 73                       | 37                      |
| Public                                                                  | University of Houston - Univ. Park    | 9                                         | 74                       | 37                      | 9                                         | 73                       | 37                      |
| Public                                                                  | University of Idaho                   | 0                                         | 220                      | 137                     | 0                                         | 220                      | 136                     |
| Public                                                                  | University of Illinois - Chicago      | 8                                         | 83                       | 46                      | 8                                         | 83                       | 46                      |
| Public                                                                  | Univ. of Illinois - Urbana-Champaign  | 57                                        | 21                       | 9                       | 55                                        | 22                       | 10                      |
| Public                                                                  | University of Iowa                    | 22                                        | 51                       | 27                      | 21                                        | 52                       | 28                      |
| Public                                                                  | University of Kansas - Lawrence       | 5                                         | 101                      | 59                      | 6                                         | 96                       | 55                      |
| Public                                                                  | University of Kansas Medical Center   | 2                                         | 137                      | 82                      | 2                                         | 136                      | 81                      |
| Public                                                                  | University of Kentucky                | 3                                         | 115                      | 69                      | 3                                         | 113                      | 65                      |
| Public                                                                  | University of Louisville              | 2                                         | 137                      | 82                      | 2                                         | 136                      | 81                      |
| Public                                                                  | University of Maryland - Baltimore    | 9                                         | 74                       | 37                      | 9                                         | 73                       | 37                      |
| Public                                                                  | Univ. of Maryland - Baltimore County  | 0                                         | 220                      | 137                     | 0                                         | 220                      | 136                     |
| Public                                                                  | University of Maryland - College Park | 31                                        | 36                       | 18                      | 30                                        | 36                       | 18                      |
| Public                                                                  | Univ. of Massachusetts - Amherst      | 8                                         | 83                       | 46                      | 8                                         | 83                       | 46                      |
| Public                                                                  | Univ. of Mass. Med. Sch. - Worcester  | 5                                         | 101                      | 59                      | 5                                         | 100                      | 58                      |
| Public                                                                  | Univ. of Medicine & Dentistry of NJ   | 2                                         | 137                      | 82                      | 2                                         | 136                      | 81                      |
| Private                                                                 | University of Miami                   | 10                                        | 69                       | 35                      | 9                                         | 73                       | 37                      |
| Public                                                                  | University of Michigan - Ann Arbor    | 100                                       | 13                       | 5                       | 95                                        | 13                       | 5                       |
| Public                                                                  | University of Minnesota - Twin Cities | 39                                        | 29                       | 12                      | 38                                        | 29                       | 12                      |
| Public                                                                  | University of Missouri - Columbia     | 8                                         | 83                       | 46                      | 7                                         | 88                       | 49                      |
| Public                                                                  | University of Nebraska - Lincoln      | 2                                         | 137                      | 82                      | 3                                         | 113                      | 65                      |
| Public                                                                  | University of Nebraska Medical Ctr.   | 1                                         | 165                      | 101                     | 1                                         | 163                      | 99                      |
| Public                                                                  | University of Nevada - Reno           | 2                                         | 137                      | 82                      | 3                                         | 113                      | 65                      |
| Public                                                                  | Univ. of New Hampshire - Durham       | 0                                         | 220                      | 137                     | 0                                         | 220                      | 136                     |
| Public                                                                  | Univ. of New Mexico - Albuquerque     | 3                                         | 115                      | 69                      | 3                                         | 113                      | 65                      |
| Public                                                                  | Univ. of North Carolina - Chapel Hill | 34                                        | 33                       | 15                      | 35                                        | 31                       | 14                      |
| Public                                                                  | University of North Dakota            | 0                                         | 220                      | 137                     | 0                                         | 220                      | 136                     |
| Private                                                                 | University of Notre Dame              | 4                                         | 105                      | 44                      | 4                                         | 105                      | 44                      |
| Public                                                                  | University of Oklahoma - Norman       | 1                                         | 165                      | 101                     | 1                                         | 163                      | 99                      |
| Public                                                                  | University of Oklahoma HSC            | 1                                         | 165                      | 101                     | 1                                         | 163                      | 99                      |
| Public                                                                  | University of Oregon                  | 9                                         | 74                       | 37                      | 9                                         | 73                       | 37                      |
| Private                                                                 | University of Pennsylvania            | 114                                       | 9                        | 6                       | 110                                       | 9                        | 6                       |
| Public                                                                  | University of Pittsburgh - Pittsburgh | 32                                        | 34                       | 16                      | 32                                        | 33                       | 16                      |
| Public                                                                  | University of Rhode Island            | 2                                         | 137                      | 82                      | 2                                         | 136                      | 81                      |
| Private                                                                 | University of Rochester               | 27                                        | 41                       | 20                      | 28                                        | 40                       | 19                      |
| Public                                                                  | Univ. of South Carolina - Columbia    | 2                                         | 137                      | 82                      | 2                                         | 136                      | 81                      |
| Public                                                                  | University of South Florida - Tampa   | 3                                         | 115                      | 69                      | 3                                         | 113                      | 65                      |
| Private                                                                 | University of Southern California     | 50                                        | 24                       | 14                      | 50                                        | 23                       | 13                      |
| Public                                                                  | University of Tennessee - Knoxville   | 4                                         | 105                      | 62                      | 3                                         | 113                      | 65                      |
| Public                                                                  | University of Tennessee HSC           | 0                                         | 220                      | 137                     | 0                                         | 220                      | 136                     |
| Public                                                                  | University of Texas - Austin          | 69                                        | 17                       | 8                       | 67                                        | 17                       | 8                       |
| Public                                                                  | University of Texas HSC - Houston     | 3                                         | 115                      | 69                      | 3                                         | 113                      | 65                      |
| Public                                                                  | Univ. of Texas HSC - San Antonio      | 4                                         | 105                      | 62                      | 3                                         | 113                      | 65                      |
| Public                                                                  | U. of Texas MD Anderson Cancer Ctr.   | 9                                         | 74                       | 37                      | 5                                         | 100                      | 58                      |
| Public                                                                  | U. of Texas Med. Branch - Galveston   | 3                                         | 115                      | 69                      | 2                                         | 136                      | 81                      |
| Public                                                                  | U. of Texas SW Medical Ctr. - Dallas  | 38                                        | 30                       | 13                      | 37                                        | 30                       | 13                      |
| Public                                                                  | University of Utah                    | 17                                        | 60                       | 31                      | 18                                        | 58                       | 31                      |

| 2011<br>National<br>Academy<br>Membership | 2011<br>National<br>Rank | 2011<br>Control<br>Rank | 2010<br>National<br>Academy<br>Membership | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>National<br>Academy<br>Membership | 2009<br>National<br>Rank | 2009<br>Control<br>Rank |
|-------------------------------------------|--------------------------|-------------------------|-------------------------------------------|--------------------------|-------------------------|-------------------------------------------|--------------------------|-------------------------|
| 23                                        | 47                       | 25                      | 23                                        | 47                       | 26                      | 23                                        | 45                       | 25                      |
| 6                                         | 93                       | 53                      | 7                                         | 87                       | 48                      | 8                                         | 75                       | 41                      |
| 9                                         | 72                       | 38                      | 8                                         | 78                       | 43                      | 7                                         | 84                       | 47                      |
| 8                                         | 80                       | 44                      | 9                                         | 72                       | 38                      | 8                                         | 75                       | 41                      |
| 0                                         | 218                      | 137                     | 0                                         | 220                      | 137                     | 0                                         | 215                      | 135                     |
| 6                                         | 93                       | 53                      | 5                                         | 98                       | 57                      | 4                                         | 103                      | 61                      |
| 57                                        | 21                       | 9                       | 59                                        | 19                       | 9                       | 55                                        | 19                       | 9                       |
| 22                                        | 49                       | 27                      | 22                                        | 49                       | 27                      | 21                                        | 48                       | 27                      |
| 6                                         | 93                       | 53                      | 6                                         | 94                       | 54                      | 6                                         | 93                       | 53                      |
| 2                                         | 133                      | 78                      | 2                                         | 133                      | 79                      | 1                                         | 153                      | 94                      |
| 3                                         | 109                      | 63                      | 3                                         | 111                      | 65                      | 3                                         | 110                      | 65                      |
| 2                                         | 133                      | 78                      | 2                                         | 133                      | 79                      | 2                                         | 127                      | 74                      |
| 9                                         | 72                       | 38                      | 8                                         | 78                       | 43                      | 8                                         | 75                       | 41                      |
| 0                                         | 218                      | 137                     | 0                                         | 220                      | 137                     | 0                                         | 215                      | 135                     |
| 30                                        | 35                       | 17                      | 30                                        | 34                       | 16                      | 27                                        | 39                       | 20                      |
| 9                                         | 72                       | 38                      | 9                                         | 72                       | 38                      | 9                                         | 70                       | 37                      |
| 5                                         | 98                       | 57                      | 5                                         | 98                       | 57                      | 5                                         | 97                       | 57                      |
| 2                                         | 133                      | 78                      | 1                                         | 161                      | 98                      | 1                                         | 153                      | 94                      |
| 8                                         | 80                       | 37                      | 8                                         | 78                       | 36                      | 8                                         | 75                       | 35                      |
| 89                                        | 14                       | 6                       | 84                                        | 14                       | 6                       | 83                                        | 15                       | 6                       |
| 39                                        | 28                       | 11                      | 41                                        | 28                       | 11                      | 39                                        | 27                       | 11                      |
| 7                                         | 88                       | 49                      | 7                                         | 87                       | 48                      | 6                                         | 93                       | 53                      |
| 2                                         | 133                      | 78                      | 2                                         | 133                      | 79                      | 2                                         | 127                      | 74                      |
| 1                                         | 163                      | 100                     | 1                                         | 161                      | 98                      | 1                                         | 153                      | 94                      |
| 3                                         | 109                      | 63                      | 3                                         | 111                      | 65                      | 1                                         | 153                      | 94                      |
| 0                                         | 218                      | 137                     | 0                                         | 220                      | 137                     | 0                                         | 215                      | 135                     |
| 3                                         | 109                      | 63                      | 4                                         | 104                      | 61                      | 4                                         | 103                      | 61                      |
| 31                                        | 34                       | 16                      | 30                                        | 34                       | 16                      | 32                                        | 32                       | 15                      |
| 0                                         | 218                      | 137                     | 0                                         | 220                      | 137                     | 0                                         | 215                      | 135                     |
| 3                                         | 109                      | 47                      | 3                                         | 111                      | 47                      | 3                                         | 110                      | 46                      |
| 1                                         | 163                      | 100                     | 1                                         | 161                      | 98                      | 1                                         | 153                      | 94                      |
| 1                                         | 163                      | 100                     | 1                                         | 161                      | 98                      | 1                                         | 153                      | 94                      |
| 8                                         | 80                       | 44                      | 8                                         | 78                       | 43                      | 7                                         | 84                       | 47                      |
| 103                                       | 12                       | 8                       | 102                                       | 11                       | 8                       | 95                                        | 12                       | 8                       |
| 28                                        | 39                       | 20                      | 26                                        | 42                       | 23                      | 26                                        | 40                       | 21                      |
| 2                                         | 133                      | 78                      | 2                                         | 133                      | 79                      | 2                                         | 127                      | 74                      |
| 29                                        | 37                       | 19                      | 30                                        | 34                       | 19                      | 28                                        | 36                       | 19                      |
| 2                                         | 133                      | 78                      | 2                                         | 133                      | 79                      | 3                                         | 110                      | 65                      |
| 3                                         | 109                      | 63                      | 3                                         | 111                      | 65                      | 3                                         | 110                      | 65                      |
| 50                                        | 23                       | 13                      | 48                                        | 23                       | 13                      | 48                                        | 23                       | 13                      |
| 1                                         | 163                      | 100                     | 1                                         | 161                      | 98                      | 1                                         | 153                      | 94                      |
| 0                                         | 218                      | 137                     | 0                                         | 220                      | 137                     | 0                                         | 215                      | 135                     |
| 68                                        | 16                       | 7                       | 67                                        | 17                       | 8                       | 65                                        | 17                       | 8                       |
| 3                                         | 109                      | 63                      | 4                                         | 104                      | 61                      | 8                                         | 75                       | 41                      |
| 3                                         | 109                      | 63                      | 3                                         | 111                      | 65                      | 2                                         | 127                      | 74                      |
| 3                                         | 109                      | 63                      | 3                                         | 111                      | 65                      | 2                                         | 127                      | 74                      |
| 2                                         | 133                      | 78                      | 2                                         | 133                      | 79                      | 2                                         | 127                      | 74                      |
| 35                                        | 30                       | 13                      | 35                                        | 31                       | 14                      | 33                                        | 31                       | 14                      |
| 19                                        | 54                       | 30                      | 18                                        | 54                       | 30                      | 18                                        | 52                       | 30                      |

### National Academy Membership

| Institutions with Over \$40 Million<br>in Federal Research, Alphabetically |                                       | 2013<br>National<br>Academy<br>Membership | 2013<br>National<br>Rank | 2013<br>Control<br>Rank | 2012<br>National<br>Academy<br>Membership | 2012<br>National<br>Rank | 2012<br>Control<br>Rank |
|----------------------------------------------------------------------------|---------------------------------------|-------------------------------------------|--------------------------|-------------------------|-------------------------------------------|--------------------------|-------------------------|
| Public                                                                     | University of Vermont                 | 2                                         | 137                      | 82                      | 2                                         | 136                      | 81                      |
| Public                                                                     | University of Virginia                | 26                                        | 43                       | 22                      | 27                                        | 43                       | 23                      |
| Public                                                                     | University of Washington - Seattle    | 110                                       | 12                       | 4                       | 109                                       | 12                       | 4                       |
| Public                                                                     | University of Wisconsin - Madison     | 70                                        | 16                       | 7                       | 68                                        | 16                       | 7                       |
| Public                                                                     | University of Wyoming                 | 2                                         | 137                      | 82                      | 2                                         | 136                      | 81                      |
| Public                                                                     | Utah State University                 | 0                                         | 220                      | 137                     | 0                                         | 220                      | 136                     |
| Private                                                                    | Vanderbilt University                 | 31                                        | 36                       | 19                      | 28                                        | 40                       | 19                      |
| Public                                                                     | Virginia Commonwealth University      | 6                                         | 95                       | 55                      | 5                                         | 100                      | 58                      |
| Public                                                                     | Virginia Polytechnic Inst. and St. U. | 15                                        | 62                       | 32                      | 14                                        | 63                       | 33                      |
| Private                                                                    | Wake Forest University                | 5                                         | 101                      | 43                      | 5                                         | 100                      | 43                      |
| Public                                                                     | Washington State Univ. - Pullman      | 9                                         | 74                       | 37                      | 9                                         | 73                       | 37                      |
| Private                                                                    | Washington University in St. Louis    | 48                                        | 25                       | 15                      | 44                                        | 26                       | 16                      |
| Public                                                                     | Wayne State University                | 2                                         | 137                      | 82                      | 2                                         | 136                      | 81                      |
| Private                                                                    | Weill Cornell Medical College         | 24                                        | 49                       | 24                      | 20                                        | 54                       | 26                      |
| Public                                                                     | West Virginia University              | 1                                         | 165                      | 101                     | 1                                         | 163                      | 99                      |
| Private                                                                    | Woods Hole Oceanographic Inst.        | 3                                         | 115                      | 47                      | 3                                         | 113                      | 49                      |
| Private                                                                    | Yale University                       | 111                                       | 10                       | 7                       | 110                                       | 9                        | 6                       |
| Private                                                                    | Yeshiva University                    | 13                                        | 66                       | 32                      | 12                                        | 66                       | 32                      |

| 2011<br>National<br>Academy<br>Membership | 2011<br>National<br>Rank | 2011<br>Control<br>Rank | 2010<br>National<br>Academy<br>Membership | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>National<br>Academy<br>Membership | 2009<br>National<br>Rank | 2009<br>Control<br>Rank |
|-------------------------------------------|--------------------------|-------------------------|-------------------------------------------|--------------------------|-------------------------|-------------------------------------------|--------------------------|-------------------------|
| 3                                         | 109                      | 63                      | 3                                         | 111                      | 65                      | 2                                         | 127                      | 74                      |
| 29                                        | 37                       | 19                      | 29                                        | 37                       | 18                      | 29                                        | 35                       | 17                      |
| 104                                       | 11                       | 4                       | 102                                       | 11                       | 4                       | 101                                       | 11                       | 4                       |
| 67                                        | 17                       | 8                       | 71                                        | 16                       | 7                       | 71                                        | 16                       | 7                       |
| 2                                         | 133                      | 78                      | 2                                         | 133                      | 79                      | 2                                         | 127                      | 74                      |
| 1                                         | 163                      | 100                     | 1                                         | 161                      | 98                      | 1                                         | 153                      | 94                      |
| 25                                        | 44                       | 21                      | 23                                        | 47                       | 22                      | 21                                        | 48                       | 22                      |
| 4                                         | 102                      | 60                      | 5                                         | 98                       | 57                      | 5                                         | 97                       | 57                      |
| 14                                        | 63                       | 33                      | 13                                        | 63                       | 33                      | 14                                        | 58                       | 32                      |
| 4                                         | 102                      | 43                      | 3                                         | 111                      | 47                      | 3                                         | 110                      | 46                      |
| 9                                         | 72                       | 38                      | 9                                         | 72                       | 38                      | 9                                         | 70                       | 37                      |
| 43                                        | 25                       | 15                      | 43                                        | 25                       | 15                      | 42                                        | 25                       | 15                      |
| 2                                         | 133                      | 78                      | 3                                         | 111                      | 65                      | 3                                         | 110                      | 65                      |
| 18                                        | 55                       | 25                      | 18                                        | 54                       | 25                      | 13                                        | 61                       | 29                      |
| 1                                         | 163                      | 100                     | 1                                         | 161                      | 98                      | 1                                         | 153                      | 94                      |
| 3                                         | 109                      | 47                      | 3                                         | 111                      | 47                      | 3                                         | 110                      | 46                      |
| 109                                       | 8                        | 6                       | 112                                       | 7                        | 5                       | 106                                       | 8                        | 5                       |
| 13                                        | 64                       | 31                      | 13                                        | 63                       | 31                      | 12                                        | 64                       | 31                      |

| Faculty Awards                                                          |                                       |                           |                          |                         |                           |                          |                         |
|-------------------------------------------------------------------------|---------------------------------------|---------------------------|--------------------------|-------------------------|---------------------------|--------------------------|-------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                       | 2013<br>Faculty<br>Awards | 2013<br>National<br>Rank | 2013<br>Control<br>Rank | 2012<br>Faculty<br>Awards | 2012<br>National<br>Rank | 2012<br>Control<br>Rank |
| Public                                                                  | Arizona State University - Tempe      | 5                         | 119                      | 76                      | 14                        | 45                       | 26                      |
| Public                                                                  | Auburn University                     | 1                         | 263                      | 168                     | 3                         | 156                      | 101                     |
| Private                                                                 | Baylor College of Medicine            | 5                         | 119                      | 44                      | 4                         | 129                      | 46                      |
| Private                                                                 | Boston University                     | 21                        | 22                       | 11                      | 23                        | 24                       | 13                      |
| Private                                                                 | Brandeis University                   | 11                        | 58                       | 23                      | 7                         | 97                       | 36                      |
| Private                                                                 | Brown University                      | 16                        | 36                       | 18                      | 11                        | 56                       | 22                      |
| Private                                                                 | California Institute of Technology    | 10                        | 67                       | 25                      | 16                        | 37                       | 19                      |
| Private                                                                 | Carnegie Mellon University            | 10                        | 67                       | 25                      | 12                        | 50                       | 21                      |
| Private                                                                 | Case Western Reserve University       | 11                        | 58                       | 23                      | 8                         | 84                       | 31                      |
| Public                                                                  | Clemson University                    | 4                         | 135                      | 86                      | 6                         | 101                      | 64                      |
| Public                                                                  | Cleveland State University            | 0                         | 524                      | 306                     | 4                         | 129                      | 84                      |
| Private                                                                 | Cold Springs Harbor Laboratory        | 2                         | 194                      | 128                     | 2                         | 189                      | 122                     |
| Public                                                                  | Colorado State Univ. - Fort Collins   | 8                         | 75                       | 46                      | 5                         | 117                      | 73                      |
| Private                                                                 | Columbia University                   | 32                        | 9                        | 4                       | 37                        | 7                        | 4                       |
| Private                                                                 | Cornell University                    | 19                        | 28                       | 14                      | 21                        | 30                       | 15                      |
| Private                                                                 | Dartmouth College                     | 12                        | 51                       | 21                      | 6                         | 101                      | 38                      |
| Private                                                                 | Drexel University                     | 7                         | 88                       | 32                      | 8                         | 84                       | 31                      |
| Private                                                                 | Duke University                       | 20                        | 25                       | 12                      | 30                        | 13                       | 6                       |
| Private                                                                 | Emory University                      | 18                        | 31                       | 16                      | 22                        | 25                       | 14                      |
| Public                                                                  | Florida International University      | 4                         | 135                      | 86                      | 8                         | 84                       | 54                      |
| Public                                                                  | Florida State University              | 2                         | 194                      | 128                     | 7                         | 97                       | 62                      |
| Public                                                                  | George Mason University               | 3                         | 156                      | 100                     | 2                         | 189                      | 122                     |
| Private                                                                 | George Washington University          | 12                        | 51                       | 21                      | 13                        | 47                       | 20                      |
| Private                                                                 | Georgetown University                 | 4                         | 135                      | 50                      | 10                        | 67                       | 26                      |
| Public                                                                  | Georgia Health Sciences University    | 1                         | 263                      | 168                     | 0                         | 551                      | 314                     |
| Public                                                                  | Georgia Institute of Technology       | 15                        | 39                       | 20                      | 22                        | 25                       | 12                      |
| Private                                                                 | Harvard University                    | 87                        | 1                        | 1                       | 93                        | 1                        | 1                       |
| Private                                                                 | Icahn School of Med. at Mount Sinai   | 7                         | 88                       | 32                      | 6                         | 101                      | 38                      |
| Public                                                                  | Indiana University - Bloomington      | 17                        | 33                       | 17                      | 12                        | 50                       | 30                      |
| Public                                                                  | Indiana U. - Purdue U. - Indianapolis | 4                         | 135                      | 86                      | 8                         | 84                       | 54                      |
| Public                                                                  | Iowa State University                 | 10                        | 67                       | 43                      | 11                        | 56                       | 35                      |
| Private                                                                 | Johns Hopkins University              | 24                        | 19                       | 8                       | 27                        | 17                       | 8                       |
| Public                                                                  | Kansas State University               | 3                         | 156                      | 100                     | 2                         | 189                      | 122                     |
| Public                                                                  | Louisiana State Univ. - Baton Rouge   | 5                         | 119                      | 76                      | 5                         | 117                      | 73                      |
| Public                                                                  | Louisiana St. U. HSC - New Orleans    | 0                         | 524                      | 306                     | 0                         | 551                      | 314                     |
| Private                                                                 | Massachusetts Inst. of Technology     | 29                        | 12                       | 5                       | 29                        | 14                       | 7                       |
| Private                                                                 | Medical College of Wisconsin          | 1                         | 263                      | 96                      | 1                         | 271                      | 98                      |
| Public                                                                  | Medical University of South Carolina  | 1                         | 263                      | 168                     | 3                         | 156                      | 101                     |
| Public                                                                  | Michigan State University             | 16                        | 36                       | 19                      | 13                        | 47                       | 28                      |
| Public                                                                  | Mississippi State University          | 1                         | 263                      | 168                     | 3                         | 156                      | 101                     |
| Public                                                                  | Montana State University - Bozeman    | 4                         | 135                      | 86                      | 2                         | 189                      | 122                     |
| Public                                                                  | Naval Postgraduate School             | 0                         | 524                      | 306                     | 1                         | 271                      | 174                     |
| Public                                                                  | New Jersey Institute of Technology    | 4                         | 135                      | 86                      | 0                         | 551                      | 314                     |
| Public                                                                  | New Mexico State Univ. - Las Cruces   | 1                         | 263                      | 168                     | 5                         | 117                      | 73                      |
| Private                                                                 | New York University                   | 25                        | 18                       | 7                       | 25                        | 19                       | 10                      |
| Public                                                                  | North Carolina State University       | 14                        | 44                       | 24                      | 12                        | 50                       | 30                      |
| Public                                                                  | North Dakota State University         | 5                         | 119                      | 76                      | 1                         | 271                      | 174                     |
| Private                                                                 | Northeastern University               | 8                         | 75                       | 30                      | 8                         | 84                       | 31                      |
| Private                                                                 | Northwestern University               | 22                        | 21                       | 10                      | 25                        | 19                       | 10                      |

| 2011<br>Faculty<br>Awards | 2011<br>National<br>Rank | 2011<br>Control<br>Rank | 2010<br>Faculty<br>Awards | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>Faculty<br>Awards | 2009<br>National<br>Rank | 2009<br>Control<br>Rank |
|---------------------------|--------------------------|-------------------------|---------------------------|--------------------------|-------------------------|---------------------------|--------------------------|-------------------------|
| 13                        | 52                       | 32                      | 9                         | 73                       | 46                      | 14                        | 49                       | 31                      |
| 4                         | 132                      | 87                      | 5                         | 114                      | 77                      | 6                         | 97                       | 64                      |
| 5                         | 108                      | 42                      | 5                         | 114                      | 38                      | 6                         | 97                       | 34                      |
| 18                        | 35                       | 17                      | 11                        | 60                       | 24                      | 10                        | 65                       | 25                      |
| 11                        | 61                       | 24                      | 10                        | 70                       | 27                      | 6                         | 97                       | 34                      |
| 16                        | 42                       | 19                      | 12                        | 54                       | 22                      | 13                        | 52                       | 19                      |
| 12                        | 57                       | 23                      | 15                        | 39                       | 17                      | 12                        | 55                       | 21                      |
| 14                        | 47                       | 20                      | 11                        | 60                       | 24                      | 4                         | 133                      | 43                      |
| 11                        | 61                       | 24                      | 13                        | 49                       | 21                      | 16                        | 43                       | 18                      |
| 6                         | 93                       | 59                      | 6                         | 102                      | 69                      | 6                         | 97                       | 64                      |
| 1                         | 273                      | 176                     | 6                         | 102                      | 69                      | 1                         | 275                      | 178                     |
| 0                         | 530                      | 307                     | 0                         | 540                      | 312                     | 0                         | 475                      | 282                     |
| 4                         | 132                      | 87                      | 7                         | 91                       | 60                      | 11                        | 63                       | 39                      |
| 37                        | 9                        | 5                       | 28                        | 19                       | 8                       | 43                        | 6                        | 3                       |
| 27                        | 17                       | 10                      | 18                        | 34                       | 15                      | 25                        | 26                       | 11                      |
| 6                         | 93                       | 35                      | 8                         | 82                       | 30                      | 9                         | 74                       | 26                      |
| 2                         | 191                      | 70                      | 4                         | 126                      | 42                      | 8                         | 80                       | 29                      |
| 22                        | 25                       | 11                      | 26                        | 22                       | 10                      | 19                        | 37                       | 16                      |
| 22                        | 25                       | 11                      | 17                        | 36                       | 16                      | 19                        | 37                       | 16                      |
| 5                         | 108                      | 67                      | 11                        | 60                       | 37                      | 7                         | 92                       | 60                      |
| 11                        | 61                       | 38                      | 9                         | 73                       | 46                      | 7                         | 92                       | 60                      |
| 2                         | 191                      | 122                     | 7                         | 91                       | 60                      | 6                         | 97                       | 64                      |
| 6                         | 93                       | 35                      | 14                        | 43                       | 19                      | 8                         | 80                       | 29                      |
| 5                         | 108                      | 42                      | 6                         | 102                      | 34                      | 8                         | 80                       | 29                      |
| 0                         | 530                      | 307                     | 2                         | 188                      | 126                     | 0                         | 475                      | 282                     |
| 23                        | 24                       | 14                      | 21                        | 28                       | 16                      | 19                        | 37                       | 22                      |
| 101                       | 1                        | 1                       | 66                        | 1                        | 1                       | 116                       | 1                        | 1                       |
| 3                         | 157                      | 53                      | 5                         | 114                      | 38                      | 4                         | 133                      | 43                      |
| 18                        | 35                       | 19                      | 8                         | 82                       | 53                      | 15                        | 47                       | 29                      |
| 7                         | 83                       | 52                      | 5                         | 114                      | 77                      | 5                         | 115                      | 75                      |
| 5                         | 108                      | 67                      | 10                        | 70                       | 44                      | 8                         | 80                       | 52                      |
| 30                        | 14                       | 8                       | 39                        | 6                        | 4                       | 46                        | 4                        | 2                       |
| 5                         | 108                      | 67                      | 9                         | 73                       | 46                      | 1                         | 275                      | 178                     |
| 3                         | 157                      | 105                     | 2                         | 188                      | 126                     | 3                         | 159                      | 109                     |
| 1                         | 273                      | 176                     | 0                         | 540                      | 312                     | 1                         | 275                      | 178                     |
| 38                        | 8                        | 4                       | 30                        | 17                       | 7                       | 41                        | 7                        | 4                       |
| 1                         | 273                      | 98                      | 1                         | 266                      | 89                      | 2                         | 206                      | 66                      |
| 4                         | 132                      | 87                      | 3                         | 148                      | 99                      | 6                         | 97                       | 64                      |
| 18                        | 35                       | 19                      | 15                        | 39                       | 23                      | 17                        | 41                       | 24                      |
| 5                         | 108                      | 67                      | 2                         | 188                      | 126                     | 2                         | 206                      | 141                     |
| 2                         | 191                      | 122                     | 3                         | 148                      | 99                      | 3                         | 159                      | 109                     |
| 0                         | 530                      | 307                     | 0                         | 540                      | 312                     | 1                         | 275                      | 178                     |
| 2                         | 191                      | 122                     | 1                         | 266                      | 178                     | 3                         | 159                      | 109                     |
| 2                         | 191                      | 122                     | 5                         | 114                      | 77                      | 4                         | 133                      | 91                      |
| 30                        | 14                       | 8                       | 25                        | 24                       | 11                      | 29                        | 19                       | 9                       |
| 14                        | 47                       | 28                      | 11                        | 60                       | 37                      | 12                        | 55                       | 35                      |
| 0                         | 530                      | 307                     | 1                         | 266                      | 178                     | 4                         | 133                      | 91                      |
| 6                         | 93                       | 35                      | 5                         | 114                      | 38                      | 8                         | 80                       | 29                      |
| 34                        | 10                       | 6                       | 24                        | 25                       | 12                      | 32                        | 16                       | 8                       |

| Faculty Awards                                                          |                                        |                     |                    |                   |                     |                    |                   |
|-------------------------------------------------------------------------|----------------------------------------|---------------------|--------------------|-------------------|---------------------|--------------------|-------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                        | 2013 Faculty Awards | 2013 National Rank | 2013 Control Rank | 2012 Faculty Awards | 2012 National Rank | 2012 Control Rank |
| Public                                                                  | Ohio State University - Columbus       | 29                  | 12                 | 8                 | 11                  | 56                 | 35                |
| Public                                                                  | Oklahoma State University - Stillwater | 3                   | 156                | 100               | 4                   | 129                | 84                |
| Public                                                                  | Oregon Health & Science University     | 7                   | 88                 | 57                | 10                  | 67                 | 42                |
| Public                                                                  | Oregon State University                | 8                   | 75                 | 46                | 15                  | 40                 | 21                |
| Public                                                                  | Penn. State U. - Hershey Med. Ctr.     | 2                   | 194                | 128               | 3                   | 156                | 101               |
| Public                                                                  | Pennsylvania State Univ. - Univ. Park  | 21                  | 22                 | 12                | 20                  | 32                 | 16                |
| Private                                                                 | Princeton University                   | 17                  | 33                 | 17                | 21                  | 30                 | 15                |
| Public                                                                  | Purdue University - West Lafayette     | 14                  | 44                 | 24                | 22                  | 25                 | 12                |
| Private                                                                 | Rensselaer Polytechnic Institute       | 7                   | 88                 | 32                | 8                   | 84                 | 31                |
| Private                                                                 | Rice University                        | 6                   | 102                | 39                | 9                   | 70                 | 27                |
| Private                                                                 | Rockefeller University                 | 7                   | 88                 | 32                | 11                  | 56                 | 22                |
| Private                                                                 | Rush University                        | 0                   | 524                | 219               | 0                   | 551                | 236               |
| Public                                                                  | Rutgers University - New Brunswick     | 20                  | 25                 | 14                | 16                  | 37                 | 19                |
| Public                                                                  | San Diego State University             | 5                   | 119                | 76                | 6                   | 101                | 64                |
| Private                                                                 | Scripps Research Institute             | 10                  | 67                 | 25                | 11                  | 56                 | 22                |
| Public                                                                  | South Dakota State University          | 0                   | 524                | 306               | 0                   | 551                | 314               |
| Private                                                                 | Stanford University                    | 48                  | 3                  | 2                 | 44                  | 2                  | 2                 |
| Public                                                                  | Stony Brook University                 | 11                  | 58                 | 36                | 4                   | 129                | 84                |
| Public                                                                  | Temple University                      | 8                   | 75                 | 46                | 8                   | 84                 | 54                |
| Public                                                                  | Texas A&M Univ. - College Station      | 18                  | 31                 | 16                | 22                  | 25                 | 12                |
| Private                                                                 | Thomas Jefferson University            | 1                   | 263                | 96                | 1                   | 271                | 98                |
| Private                                                                 | Tufts University                       | 8                   | 75                 | 30                | 4                   | 129                | 46                |
| Private                                                                 | Tulane University                      | 3                   | 156                | 57                | 5                   | 117                | 45                |
| Public                                                                  | Uniformed Services Univ. of the HS     | 2                   | 194                | 128               | 2                   | 189                | 122               |
| Public                                                                  | University at Albany                   | 2                   | 194                | 128               | 4                   | 129                | 84                |
| Public                                                                  | University at Buffalo                  | 13                  | 47                 | 27                | 8                   | 84                 | 54                |
| Public                                                                  | University of Alabama - Birmingham     | 1                   | 263                | 168               | 0                   | 551                | 314               |
| Public                                                                  | University of Alabama - Huntsville     | 1                   | 263                | 168               | 1                   | 271                | 174               |
| Public                                                                  | University of Alaska - Fairbanks       | 3                   | 156                | 100               | 5                   | 117                | 73                |
| Public                                                                  | University of Arizona                  | 12                  | 51                 | 31                | 15                  | 40                 | 21                |
| Public                                                                  | Univ. of Arkansas for Med. Sciences    | 1                   | 263                | 168               | 1                   | 271                | 174               |
| Public                                                                  | University of California - Berkeley    | 32                  | 9                  | 6                 | 40                  | 5                  | 2                 |
| Public                                                                  | University of California - Davis       | 14                  | 44                 | 24                | 14                  | 45                 | 26                |
| Public                                                                  | University of California - Irvine      | 15                  | 39                 | 20                | 13                  | 47                 | 28                |
| Public                                                                  | University of California - Los Angeles | 33                  | 8                  | 5                 | 28                  | 16                 | 9                 |
| Public                                                                  | University of California - Riverside   | 9                   | 72                 | 44                | 11                  | 56                 | 35                |
| Public                                                                  | University of California - San Diego   | 35                  | 7                  | 4                 | 35                  | 8                  | 4                 |
| Public                                                                  | Univ. of California - San Francisco    | 40                  | 4                  | 2                 | 32                  | 11                 | 6                 |
| Public                                                                  | Univ. of California - Santa Barbara    | 11                  | 58                 | 36                | 11                  | 56                 | 35                |
| Public                                                                  | University of California - Santa Cruz  | 4                   | 135                | 86                | 2                   | 189                | 122               |
| Public                                                                  | University of Central Florida          | 6                   | 102                | 64                | 7                   | 97                 | 62                |
| Private                                                                 | University of Chicago                  | 24                  | 19                 | 8                 | 26                  | 18                 | 9                 |
| Public                                                                  | University of Cincinnati - Cincinnati  | 11                  | 58                 | 36                | 10                  | 67                 | 42                |
| Public                                                                  | University of Colorado - Boulder       | 19                  | 28                 | 15                | 12                  | 50                 | 30                |
| Public                                                                  | University of Colorado - Denver        | 6                   | 102                | 64                | 9                   | 70                 | 44                |
| Public                                                                  | Univ. of Connecticut - Health Center   | 3                   | 156                | 100               | 1                   | 271                | 174               |
| Public                                                                  | University of Connecticut - Storrs     | 8                   | 75                 | 46                | 6                   | 101                | 64                |
| Private                                                                 | University of Dayton                   | 0                   | 524                | 219               | 0                   | 551                | 236               |
| Public                                                                  | University of Delaware                 | 6                   | 102                | 64                | 11                  | 56                 | 35                |

| 2011<br>Faculty<br>Awards | 2011<br>National<br>Rank | 2011<br>Control<br>Rank | 2010<br>Faculty<br>Awards | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>Faculty<br>Awards | 2009<br>National<br>Rank | 2009<br>Control<br>Rank |
|---------------------------|--------------------------|-------------------------|---------------------------|--------------------------|-------------------------|---------------------------|--------------------------|-------------------------|
| 24                        | 21                       | 11                      | 21                        | 28                       | 16                      | 14                        | 49                       | 31                      |
| 5                         | 108                      | 67                      | 3                         | 148                      | 99                      | 2                         | 206                      | 141                     |
| 8                         | 78                       | 49                      | 9                         | 73                       | 46                      | 10                        | 65                       | 41                      |
| 7                         | 83                       | 52                      | 7                         | 91                       | 60                      | 8                         | 80                       | 52                      |
| 0                         | 530                      | 307                     | 3                         | 148                      | 99                      | 1                         | 275                      | 178                     |
| 26                        | 19                       | 9                       | 13                        | 49                       | 29                      | 21                        | 34                       | 20                      |
| 20                        | 29                       | 14                      | 34                        | 11                       | 5                       | 33                        | 13                       | 7                       |
| 24                        | 21                       | 11                      | 13                        | 49                       | 29                      | 22                        | 31                       | 17                      |
| 4                         | 132                      | 46                      | 7                         | 91                       | 32                      | 4                         | 133                      | 43                      |
| 11                        | 61                       | 24                      | 6                         | 102                      | 34                      | 12                        | 55                       | 21                      |
| 8                         | 78                       | 30                      | 8                         | 82                       | 30                      | 6                         | 97                       | 34                      |
| 0                         | 530                      | 224                     | 1                         | 266                      | 89                      | 0                         | 475                      | 193                     |
| 14                        | 47                       | 28                      | 18                        | 34                       | 20                      | 26                        | 22                       | 12                      |
| 4                         | 132                      | 87                      | 3                         | 148                      | 99                      | 5                         | 115                      | 75                      |
| 13                        | 52                       | 21                      | 14                        | 43                       | 19                      | 12                        | 55                       | 21                      |
| 0                         | 530                      | 307                     | 2                         | 188                      | 126                     | 0                         | 475                      | 282                     |
| 44                        | 3                        | 2                       | 47                        | 3                        | 2                       | 38                        | 9                        | 5                       |
| 11                        | 61                       | 38                      | 7                         | 91                       | 60                      | 15                        | 47                       | 29                      |
| 7                         | 83                       | 52                      | 3                         | 148                      | 99                      | 6                         | 97                       | 64                      |
| 19                        | 32                       | 17                      | 17                        | 36                       | 21                      | 18                        | 40                       | 23                      |
| 2                         | 191                      | 70                      | 2                         | 188                      | 63                      | 2                         | 206                      | 66                      |
| 7                         | 83                       | 32                      | 9                         | 73                       | 28                      | 6                         | 97                       | 34                      |
| 6                         | 93                       | 35                      | 6                         | 102                      | 34                      | 9                         | 74                       | 26                      |
| 1                         | 273                      | 176                     | 1                         | 266                      | 178                     | 1                         | 275                      | 178                     |
| 2                         | 191                      | 122                     | 7                         | 91                       | 60                      | 3                         | 159                      | 109                     |
| 7                         | 83                       | 52                      | 14                        | 43                       | 25                      | 10                        | 65                       | 41                      |
| 7                         | 83                       | 52                      | 2                         | 188                      | 126                     | 2                         | 206                      | 141                     |
| 0                         | 530                      | 307                     | 1                         | 266                      | 178                     | 3                         | 159                      | 109                     |
| 1                         | 273                      | 176                     | 3                         | 148                      | 99                      | 0                         | 475                      | 282                     |
| 19                        | 32                       | 17                      | 12                        | 54                       | 33                      | 17                        | 41                       | 24                      |
| 0                         | 530                      | 307                     | 0                         | 540                      | 312                     | 2                         | 206                      | 141                     |
| 31                        | 12                       | 5                       | 36                        | 8                        | 4                       | 46                        | 4                        | 3                       |
| 17                        | 39                       | 22                      | 19                        | 33                       | 19                      | 26                        | 22                       | 12                      |
| 14                        | 47                       | 28                      | 27                        | 21                       | 12                      | 26                        | 22                       | 12                      |
| 27                        | 17                       | 8                       | 37                        | 7                        | 3                       | 36                        | 11                       | 6                       |
| 15                        | 46                       | 27                      | 12                        | 54                       | 33                      | 10                        | 65                       | 41                      |
| 43                        | 4                        | 2                       | 33                        | 14                       | 8                       | 39                        | 8                        | 4                       |
| 39                        | 6                        | 4                       | 33                        | 14                       | 8                       | 37                        | 10                       | 5                       |
| 12                        | 57                       | 35                      | 15                        | 39                       | 23                      | 8                         | 80                       | 52                      |
| 5                         | 108                      | 67                      | 13                        | 49                       | 29                      | 10                        | 65                       | 41                      |
| 4                         | 132                      | 87                      | 4                         | 126                      | 85                      | 3                         | 159                      | 109                     |
| 20                        | 29                       | 14                      | 20                        | 31                       | 13                      | 23                        | 29                       | 14                      |
| 10                        | 69                       | 43                      | 6                         | 102                      | 69                      | 9                         | 74                       | 49                      |
| 12                        | 57                       | 35                      | 21                        | 28                       | 16                      | 26                        | 22                       | 12                      |
| 10                        | 69                       | 43                      | 6                         | 102                      | 69                      | 8                         | 80                       | 52                      |
| 1                         | 273                      | 176                     | 0                         | 540                      | 312                     | 0                         | 475                      | 282                     |
| 5                         | 108                      | 67                      | 14                        | 43                       | 25                      | 12                        | 55                       | 35                      |
| 1                         | 273                      | 98                      | 2                         | 188                      | 63                      | 0                         | 475                      | 193                     |
| 5                         | 108                      | 67                      | 11                        | 60                       | 37                      | 10                        | 65                       | 41                      |

| Faculty Awards                                                          |                                       |                     |                    |                   |                     |                    |                   |
|-------------------------------------------------------------------------|---------------------------------------|---------------------|--------------------|-------------------|---------------------|--------------------|-------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                       | 2013 Faculty Awards | 2013 National Rank | 2013 Control Rank | 2012 Faculty Awards | 2012 National Rank | 2012 Control Rank |
| Public                                                                  | University of Florida                 | 15                  | 39                 | 20                | 20                  | 32                 | 16                |
| Public                                                                  | University of Georgia                 | 8                   | 75                 | 46                | 12                  | 50                 | 30                |
| Public                                                                  | University of Hawaii - Manoa          | 11                  | 58                 | 36                | 5                   | 117                | 73                |
| Public                                                                  | University of Houston - Univ. Park    | 5                   | 119                | 76                | 15                  | 40                 | 21                |
| Public                                                                  | University of Idaho                   | 4                   | 135                | 86                | 1                   | 271                | 174               |
| Public                                                                  | University of Illinois - Chicago      | 8                   | 75                 | 46                | 11                  | 56                 | 35                |
| Public                                                                  | Univ. of Illinois - Urbana-Champaign  | 29                  | 12                 | 8                 | 24                  | 23                 | 11                |
| Public                                                                  | University of Iowa                    | 12                  | 51                 | 31                | 15                  | 40                 | 21                |
| Public                                                                  | University of Kansas - Lawrence       | 8                   | 75                 | 46                | 11                  | 56                 | 35                |
| Public                                                                  | University of Kansas Medical Center   | 2                   | 194                | 128               | 1                   | 271                | 174               |
| Public                                                                  | University of Kentucky                | 12                  | 51                 | 31                | 8                   | 84                 | 54                |
| Public                                                                  | University of Louisville              | 5                   | 119                | 76                | 9                   | 70                 | 44                |
| Public                                                                  | University of Maryland - Baltimore    | 6                   | 102                | 64                | 6                   | 101                | 64                |
| Public                                                                  | Univ. of Maryland - Baltimore County  | 3                   | 156                | 100               | 3                   | 156                | 101               |
| Public                                                                  | University of Maryland - College Park | 11                  | 58                 | 36                | 16                  | 37                 | 19                |
| Public                                                                  | Univ. of Massachusetts - Amherst      | 12                  | 51                 | 31                | 8                   | 84                 | 54                |
| Public                                                                  | Univ. of Mass. Med. Sch. - Worcester  | 13                  | 47                 | 27                | 15                  | 40                 | 21                |
| Public                                                                  | Univ. of Medicine & Dentistry of NJ   | 2                   | 194                | 128               | 3                   | 156                | 101               |
| Private                                                                 | University of Miami                   | 7                   | 88                 | 32                | 7                   | 97                 | 36                |
| Public                                                                  | University of Michigan - Ann Arbor    | 50                  | 2                  | 1                 | 40                  | 5                  | 2                 |
| Public                                                                  | University of Minnesota - Twin Cities | 32                  | 9                  | 6                 | 33                  | 10                 | 5                 |
| Public                                                                  | University of Missouri - Columbia     | 6                   | 102                | 64                | 9                   | 70                 | 44                |
| Public                                                                  | University of Nebraska - Lincoln      | 9                   | 72                 | 44                | 6                   | 101                | 64                |
| Public                                                                  | Univ. of Nebraska Medical Center      | 0                   | 524                | 306               | 0                   | 551                | 314               |
| Public                                                                  | University of Nevada - Reno           | 6                   | 102                | 64                | 4                   | 129                | 84                |
| Public                                                                  | Univ. of New Hampshire - Durham       | 2                   | 194                | 128               | 5                   | 117                | 73                |
| Public                                                                  | Univ. of New Mexico - Albuquerque     | 7                   | 88                 | 57                | 6                   | 101                | 64                |
| Public                                                                  | Univ. of North Carolina - Chapel Hill | 21                  | 22                 | 12                | 25                  | 19                 | 10                |
| Public                                                                  | University of North Dakota            | 1                   | 263                | 168               | 1                   | 271                | 174               |
| Private                                                                 | University of Notre Dame              | 15                  | 39                 | 20                | 9                   | 70                 | 27                |
| Public                                                                  | University of Oklahoma - Norman       | 3                   | 156                | 100               | 5                   | 117                | 73                |
| Public                                                                  | University of Oklahoma HSC            | 0                   | 524                | 306               | 0                   | 551                | 314               |
| Public                                                                  | University of Oregon                  | 7                   | 88                 | 57                | 9                   | 70                 | 44                |
| Private                                                                 | University of Pennsylvania            | 29                  | 12                 | 5                 | 35                  | 8                  | 5                 |
| Public                                                                  | University of Pittsburgh - Pittsburgh | 28                  | 16                 | 10                | 22                  | 25                 | 12                |
| Public                                                                  | University of Rhode Island            | 4                   | 135                | 86                | 4                   | 129                | 84                |
| Private                                                                 | University of Rochester               | 6                   | 102                | 39                | 6                   | 101                | 38                |
| Public                                                                  | Univ. of South Carolina - Columbia    | 8                   | 75                 | 46                | 9                   | 70                 | 44                |
| Public                                                                  | University of South Florida - Tampa   | 7                   | 88                 | 57                | 5                   | 117                | 73                |
| Private                                                                 | University of Southern California     | 19                  | 28                 | 14                | 25                  | 19                 | 10                |
| Public                                                                  | University of Tennessee - Knoxville   | 11                  | 58                 | 36                | 9                   | 70                 | 44                |
| Public                                                                  | University of Tennessee HSC           | 3                   | 156                | 100               | 2                   | 189                | 122               |
| Public                                                                  | University of Texas - Austin          | 17                  | 33                 | 17                | 31                  | 12                 | 7                 |
| Public                                                                  | University of Texas HSC - Houston     | 1                   | 263                | 168               | 2                   | 189                | 122               |
| Public                                                                  | Univ. of Texas HSC - San Antonio      | 1                   | 263                | 168               | 2                   | 189                | 122               |
| Public                                                                  | U. of Texas MD Anderson Cancer Ctr.   | 1                   | 263                | 168               | 1                   | 271                | 174               |
| Public                                                                  | U. of Texas Med. Branch - Galveston   | 1                   | 263                | 168               | 2                   | 189                | 122               |
| Public                                                                  | Univ. of Texas SW Med. Ctr. - Dallas  | 15                  | 39                 | 20                | 17                  | 36                 | 18                |
| Public                                                                  | University of Utah                    | 13                  | 47                 | 27                | 12                  | 50                 | 30                |

| 2011<br>Faculty<br>Awards | 2011<br>National<br>Rank | 2011<br>Control<br>Rank | 2010<br>Faculty<br>Awards | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>Faculty<br>Awards | 2009<br>National<br>Rank | 2009<br>Control<br>Rank |
|---------------------------|--------------------------|-------------------------|---------------------------|--------------------------|-------------------------|---------------------------|--------------------------|-------------------------|
| 18                        | 35                       | 19                      | 22                        | 26                       | 14                      | 22                        | 31                       | 17                      |
| 6                         | 93                       | 59                      | 9                         | 73                       | 46                      | 8                         | 80                       | 52                      |
| 5                         | 108                      | 67                      | 7                         | 91                       | 60                      | 4                         | 133                      | 91                      |
| 5                         | 108                      | 67                      | 4                         | 126                      | 85                      | 1                         | 275                      | 178                     |
| 1                         | 273                      | 176                     | 1                         | 266                      | 178                     | 2                         | 206                      | 141                     |
| 10                        | 69                       | 43                      | 11                        | 60                       | 37                      | 11                        | 63                       | 39                      |
| 24                        | 21                       | 11                      | 35                        | 9                        | 5                       | 30                        | 18                       | 10                      |
| 14                        | 47                       | 28                      | 14                        | 43                       | 25                      | 13                        | 52                       | 34                      |
| 12                        | 57                       | 35                      | 10                        | 70                       | 44                      | 4                         | 133                      | 91                      |
| 1                         | 273                      | 176                     | 2                         | 188                      | 126                     | 3                         | 159                      | 109                     |
| 13                        | 52                       | 32                      | 8                         | 82                       | 53                      | 6                         | 97                       | 64                      |
| 5                         | 108                      | 67                      | 6                         | 102                      | 69                      | 6                         | 97                       | 64                      |
| 4                         | 132                      | 87                      | 5                         | 114                      | 77                      | 7                         | 92                       | 60                      |
| 3                         | 157                      | 105                     | 2                         | 188                      | 126                     | 3                         | 159                      | 109                     |
| 17                        | 39                       | 22                      | 22                        | 26                       | 14                      | 22                        | 31                       | 17                      |
| 6                         | 93                       | 59                      | 8                         | 82                       | 53                      | 12                        | 55                       | 35                      |
| 16                        | 42                       | 24                      | 17                        | 36                       | 21                      | 16                        | 43                       | 26                      |
| 3                         | 157                      | 105                     | 3                         | 148                      | 99                      | 5                         | 115                      | 75                      |
| 8                         | 78                       | 30                      | 4                         | 126                      | 42                      | 4                         | 133                      | 43                      |
| 47                        | 2                        | 1                       | 50                        | 2                        | 1                       | 49                        | 3                        | 2                       |
| 25                        | 20                       | 10                      | 34                        | 11                       | 7                       | 23                        | 29                       | 16                      |
| 4                         | 132                      | 87                      | 7                         | 91                       | 60                      | 10                        | 65                       | 41                      |
| 7                         | 83                       | 52                      | 9                         | 73                       | 46                      | 4                         | 133                      | 91                      |
| 0                         | 530                      | 307                     | 1                         | 266                      | 178                     | 1                         | 275                      | 178                     |
| 2                         | 191                      | 122                     | 1                         | 266                      | 178                     | 5                         | 115                      | 75                      |
| 5                         | 108                      | 67                      | 2                         | 188                      | 126                     | 5                         | 115                      | 75                      |
| 6                         | 93                       | 59                      | 6                         | 102                      | 69                      | 8                         | 80                       | 52                      |
| 28                        | 16                       | 7                       | 32                        | 16                       | 10                      | 33                        | 13                       | 7                       |
| 4                         | 132                      | 87                      | 1                         | 266                      | 178                     | 2                         | 206                      | 141                     |
| 7                         | 83                       | 32                      | 11                        | 60                       | 24                      | 13                        | 52                       | 19                      |
| 6                         | 93                       | 59                      | 8                         | 82                       | 53                      | 6                         | 97                       | 64                      |
| 0                         | 530                      | 307                     | 0                         | 540                      | 312                     | 0                         | 475                      | 282                     |
| 11                        | 61                       | 38                      | 8                         | 82                       | 53                      | 12                        | 55                       | 35                      |
| 34                        | 10                       | 6                       | 34                        | 11                       | 5                       | 28                        | 20                       | 10                      |
| 20                        | 29                       | 16                      | 26                        | 22                       | 13                      | 33                        | 13                       | 7                       |
| 4                         | 132                      | 87                      | 0                         | 540                      | 312                     | 1                         | 275                      | 178                     |
| 13                        | 52                       | 21                      | 12                        | 54                       | 22                      | 12                        | 55                       | 21                      |
| 9                         | 74                       | 47                      | 12                        | 54                       | 33                      | 14                        | 49                       | 31                      |
| 8                         | 78                       | 49                      | 6                         | 102                      | 69                      | 10                        | 65                       | 41                      |
| 22                        | 25                       | 11                      | 15                        | 39                       | 17                      | 24                        | 28                       | 13                      |
| 9                         | 74                       | 47                      | 9                         | 73                       | 46                      | 10                        | 65                       | 41                      |
| 3                         | 157                      | 105                     | 3                         | 148                      | 99                      | 3                         | 159                      | 109                     |
| 22                        | 25                       | 15                      | 30                        | 17                       | 11                      | 28                        | 20                       | 11                      |
| 2                         | 191                      | 122                     | 3                         | 148                      | 99                      | 3                         | 159                      | 109                     |
| 2                         | 191                      | 122                     | 2                         | 188                      | 126                     | 6                         | 97                       | 64                      |
| 2                         | 191                      | 122                     | 1                         | 266                      | 178                     | 2                         | 206                      | 141                     |
| 2                         | 191                      | 122                     | 2                         | 188                      | 126                     | 3                         | 159                      | 109                     |
| 16                        | 42                       | 24                      | 13                        | 49                       | 29                      | 16                        | 43                       | 26                      |
| 11                        | 61                       | 38                      | 14                        | 43                       | 25                      | 16                        | 43                       | 26                      |

## Faculty Awards

| Institutions with Over \$40 Million<br>in Federal Research, Alphabetically |                                       | 2013<br>Faculty<br>Awards | 2013<br>National<br>Rank | 2013<br>Control<br>Rank | 2012<br>Faculty<br>Awards | 2012<br>National<br>Rank | 2012<br>Control<br>Rank |
|----------------------------------------------------------------------------|---------------------------------------|---------------------------|--------------------------|-------------------------|---------------------------|--------------------------|-------------------------|
| Public                                                                     | University of Vermont                 | 6                         | 102                      | 64                      | 9                         | 70                       | 44                      |
| Public                                                                     | University of Virginia                | 11                        | 58                       | 36                      | 8                         | 84                       | 54                      |
| Public                                                                     | University of Washington - Seattle    | 39                        | 5                        | 3                       | 42                        | 4                        | 1                       |
| Public                                                                     | University of Wisconsin - Madison     | 26                        | 17                       | 11                      | 29                        | 14                       | 8                       |
| Public                                                                     | University of Wyoming                 | 3                         | 156                      | 100                     | 3                         | 156                      | 101                     |
| Public                                                                     | Utah State University                 | 7                         | 88                       | 57                      | 2                         | 189                      | 122                     |
| Private                                                                    | Vanderbilt University                 | 16                        | 36                       | 18                      | 19                        | 34                       | 17                      |
| Public                                                                     | Virginia Commonwealth University      | 13                        | 47                       | 27                      | 9                         | 70                       | 44                      |
| Public                                                                     | Virginia Polytechnic Inst. and St. U. | 7                         | 88                       | 57                      | 8                         | 84                       | 54                      |
| Private                                                                    | Wake Forest University                | 7                         | 88                       | 32                      | 9                         | 70                       | 27                      |
| Public                                                                     | Washington State Univ. - Pullman      | 8                         | 75                       | 46                      | 9                         | 70                       | 44                      |
| Private                                                                    | Washington University in St. Louis    | 20                        | 25                       | 12                      | 18                        | 35                       | 18                      |
| Public                                                                     | Wayne State University                | 6                         | 102                      | 64                      | 4                         | 129                      | 84                      |
| Private                                                                    | Weill Cornell Medical College         | 9                         | 72                       | 29                      | 8                         | 84                       | 31                      |
| Public                                                                     | West Virginia University              | 8                         | 75                       | 46                      | 6                         | 101                      | 64                      |
| Private                                                                    | Woods Hole Oceanographic Inst.        | 2                         | 194                      | 67                      | 1                         | 271                      | 98                      |
| Private                                                                    | Yale University                       | 37                        | 6                        | 3                       | 44                        | 2                        | 2                       |
| Private                                                                    | Yeshiva University                    | 7                         | 88                       | 32                      | 9                         | 70                       | 27                      |

| 2011<br>Faculty<br>Awards | 2011<br>National<br>Rank | 2011<br>Control<br>Rank | 2010<br>Faculty<br>Awards | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>Faculty<br>Awards | 2009<br>National<br>Rank | 2009<br>Control<br>Rank |
|---------------------------|--------------------------|-------------------------|---------------------------|--------------------------|-------------------------|---------------------------|--------------------------|-------------------------|
| 6                         | 93                       | 59                      | 7                         | 91                       | 60                      | 5                         | 115                      | 75                      |
| 16                        | 42                       | 24                      | 11                        | 60                       | 37                      | 21                        | 34                       | 20                      |
| 43                        | 4                        | 2                       | 40                        | 5                        | 2                       | 53                        | 2                        | 1                       |
| 31                        | 12                       | 5                       | 35                        | 9                        | 5                       | 31                        | 17                       | 9                       |
| 5                         | 108                      | 67                      | 3                         | 148                      | 99                      | 8                         | 80                       | 52                      |
| 10                        | 69                       | 43                      | 8                         | 82                       | 53                      | 1                         | 275                      | 178                     |
| 17                        | 39                       | 18                      | 20                        | 31                       | 13                      | 25                        | 26                       | 11                      |
| 11                        | 61                       | 38                      | 12                        | 54                       | 33                      | 4                         | 133                      | 91                      |
| 13                        | 52                       | 32                      | 11                        | 60                       | 37                      | 9                         | 74                       | 49                      |
| 7                         | 83                       | 32                      | 4                         | 126                      | 42                      | 6                         | 97                       | 34                      |
| 6                         | 93                       | 59                      | 11                        | 60                       | 37                      | 9                         | 74                       | 49                      |
| 19                        | 32                       | 16                      | 28                        | 19                       | 8                       | 21                        | 34                       | 15                      |
| 5                         | 108                      | 67                      | 5                         | 114                      | 77                      | 8                         | 80                       | 52                      |
| 9                         | 74                       | 28                      | 7                         | 91                       | 32                      | 5                         | 115                      | 41                      |
| 2                         | 191                      | 122                     | 2                         | 188                      | 126                     | 5                         | 115                      | 75                      |
| 0                         | 530                      | 224                     | 1                         | 266                      | 89                      | 1                         | 275                      | 98                      |
| 39                        | 6                        | 3                       | 43                        | 4                        | 3                       | 35                        | 12                       | 6                       |
| 10                        | 69                       | 27                      | 6                         | 102                      | 34                      | 9                         | 74                       | 26                      |

| Doctorates Awarded                                                      |                                       |                    |                          |                         |                    |                          |                         |
|-------------------------------------------------------------------------|---------------------------------------|--------------------|--------------------------|-------------------------|--------------------|--------------------------|-------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                       | 2013<br>Doctorates | 2013<br>National<br>Rank | 2013<br>Control<br>Rank | 2012<br>Doctorates | 2012<br>National<br>Rank | 2012<br>Control<br>Rank |
| Public                                                                  | Arizona State University - Tempe      | 519                | 26                       | 18                      | 611                | 18                       | 15                      |
| Public                                                                  | Auburn University                     | 237                | 80                       | 59                      | 247                | 74                       | 53                      |
| Private                                                                 | Baylor College of Medicine            | 85                 | 179                      | 61                      | 83                 | 174                      | 59                      |
| Private                                                                 | Boston University                     | 488                | 31                       | 11                      | 507                | 24                       | 7                       |
| Private                                                                 | Brandeis University                   | 93                 | 168                      | 56                      | 82                 | 177                      | 60                      |
| Private                                                                 | Brown University                      | 205                | 96                       | 29                      | 232                | 81                       | 24                      |
| Private                                                                 | California Institute of Technology    | 236                | 81                       | 22                      | 172                | 107                      | 31                      |
| Private                                                                 | Carnegie Mellon University            | 295                | 67                       | 19                      | 284                | 62                       | 18                      |
| Private                                                                 | Case Western Reserve University       | 168                | 109                      | 33                      | 186                | 101                      | 29                      |
| Public                                                                  | Clemson University                    | 187                | 103                      | 73                      | 220                | 87                       | 62                      |
| Public                                                                  | Cleveland State University            | 44                 | 251                      | 163                     | 35                 | 272                      | 172                     |
| Private                                                                 | Cold Springs Harbor Laboratory        | 8                  | 459                      | 213                     | 5                  | 483                      | 234                     |
| Public                                                                  | Colorado State Univ. - Fort Collins   | 232                | 83                       | 61                      | 235                | 80                       | 57                      |
| Private                                                                 | Columbia University                   | 627                | 18                       | 4                       | 558                | 21                       | 5                       |
| Private                                                                 | Cornell University                    | 490                | 29                       | 10                      | 501                | 25                       | 8                       |
| Private                                                                 | Dartmouth College                     | 91                 | 172                      | 57                      | 73                 | 187                      | 66                      |
| Private                                                                 | Drexel University                     | 207                | 94                       | 28                      | 163                | 112                      | 32                      |
| Private                                                                 | Duke University                       | 495                | 28                       | 9                       | 450                | 36                       | 11                      |
| Private                                                                 | Emory University                      | 227                | 87                       | 24                      | 243                | 78                       | 23                      |
| Public                                                                  | Florida International University      | 156                | 115                      | 80                      | 151                | 118                      | 86                      |
| Public                                                                  | Florida State University              | 370                | 52                       | 36                      | 428                | 41                       | 30                      |
| Public                                                                  | George Mason University               | 249                | 77                       | 56                      | 212                | 90                       | 65                      |
| Private                                                                 | George Washington University          | 228                | 86                       | 23                      | 224                | 86                       | 25                      |
| Private                                                                 | Georgetown University                 | 131                | 136                      | 41                      | 116                | 143                      | 46                      |
| Public                                                                  | Georgia Health Sciences University    | 0                  | 604                      | 282                     | 23                 | 321                      | 191                     |
| Public                                                                  | Georgia Institute of Technology       | 488                | 31                       | 21                      | 483                | 29                       | 20                      |
| Private                                                                 | Harvard University                    | 686                | 14                       | 2                       | 691                | 12                       | 2                       |
| Private                                                                 | Icahn School of Med. at Mount Sinai   | 35                 | 277                      | 103                     | 41                 | 250                      | 91                      |
| Public                                                                  | Indiana University - Bloomington      | 479                | 36                       | 24                      | 468                | 33                       | 23                      |
| Public                                                                  | Indiana U. - Purdue U. - Indianapolis | 48                 | 241                      | 159                     | 35                 | 272                      | 172                     |
| Public                                                                  | Iowa State University                 | 363                | 53                       | 37                      | 376                | 49                       | 34                      |
| Private                                                                 | Johns Hopkins University              | 530                | 23                       | 7                       | 479                | 30                       | 10                      |
| Public                                                                  | Kansas State University               | 158                | 113                      | 78                      | 162                | 113                      | 81                      |
| Public                                                                  | Louisiana State Univ. - Baton Rouge   | 305                | 65                       | 47                      | 322                | 58                       | 41                      |
| Public                                                                  | Louisiana St. U. HSC - New Orleans    | 21                 | 342                      | 199                     | 17                 | 353                      | 204                     |
| Private                                                                 | Massachusetts Inst. of Technology     | 587                | 19                       | 5                       | 573                | 19                       | 4                       |
| Private                                                                 | Medical College of Wisconsin          | 40                 | 263                      | 96                      | 38                 | 262                      | 96                      |
| Public                                                                  | Medical University of South Carolina  | 137                | 128                      | 90                      | 130                | 135                      | 95                      |
| Public                                                                  | Michigan State University             | 499                | 27                       | 19                      | 491                | 27                       | 19                      |
| Public                                                                  | Mississippi State University          | 131                | 136                      | 96                      | 135                | 131                      | 93                      |
| Public                                                                  | Montana State University - Bozeman    | 49                 | 236                      | 155                     | 53                 | 227                      | 147                     |
| Public                                                                  | Naval Postgraduate School             | 19                 | 358                      | 207                     | 12                 | 393                      | 221                     |
| Public                                                                  | New Jersey Institute of Technology    | 67                 | 201                      | 135                     | 65                 | 201                      | 130                     |
| Public                                                                  | New Mexico State Univ. - Las Cruces   | 132                | 135                      | 95                      | 102                | 154                      | 106                     |
| Private                                                                 | New York University                   | 405                | 47                       | 15                      | 417                | 42                       | 12                      |
| Public                                                                  | North Carolina State University       | 488                | 31                       | 21                      | 446                | 37                       | 26                      |
| Public                                                                  | North Dakota State University         | 81                 | 186                      | 124                     | 83                 | 174                      | 116                     |
| Private                                                                 | Northeastern University               | 177                | 105                      | 32                      | 125                | 139                      | 43                      |
| Private                                                                 | Northwestern University               | 481                | 35                       | 12                      | 378                | 48                       | 15                      |

| 2011<br>Doctorates | 2011<br>National<br>Rank | 2011<br>Control<br>Rank | 2010<br>Doctorates | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>Doctorates | 2009<br>National<br>Rank | 2009<br>Control<br>Rank |
|--------------------|--------------------------|-------------------------|--------------------|--------------------------|-------------------------|--------------------|--------------------------|-------------------------|
| 545                | 20                       | 15                      | 490                | 25                       | 17                      | 587                | 20                       | 14                      |
| 204                | 90                       | 63                      | 199                | 87                       | 60                      | 222                | 82                       | 57                      |
| 75                 | 175                      | 59                      | 69                 | 182                      | 59                      | 80                 | 188                      | 64                      |
| 491                | 27                       | 9                       | 425                | 31                       | 10                      | 548                | 22                       | 7                       |
| 88                 | 160                      | 52                      | 70                 | 178                      | 57                      | 84                 | 183                      | 61                      |
| 216                | 86                       | 25                      | 204                | 85                       | 27                      | 187                | 98                       | 29                      |
| 168                | 101                      | 30                      | 179                | 96                       | 29                      | 193                | 94                       | 28                      |
| 270                | 66                       | 20                      | 250                | 70                       | 23                      | 245                | 74                       | 24                      |
| 213                | 87                       | 26                      | 229                | 79                       | 26                      | 305                | 60                       | 19                      |
| 192                | 94                       | 67                      | 178                | 98                       | 69                      | 162                | 108                      | 75                      |
| 46                 | 236                      | 153                     | 50                 | 220                      | 145                     | 50                 | 242                      | 154                     |
| 0                  | 540                      | 274                     | 0                  | 511                      | 258                     | 0                  | 554                      | 294                     |
| 203                | 91                       | 64                      | 203                | 86                       | 59                      | 227                | 80                       | 55                      |
| 568                | 19                       | 5                       | 561                | 20                       | 6                       | 590                | 19                       | 6                       |
| 495                | 25                       | 7                       | 499                | 24                       | 8                       | 516                | 24                       | 9                       |
| 82                 | 167                      | 54                      | 75                 | 174                      | 55                      | 77                 | 189                      | 65                      |
| 170                | 100                      | 29                      | 141                | 118                      | 35                      | 115                | 145                      | 47                      |
| 329                | 54                       | 17                      | 288                | 56                       | 17                      | 333                | 55                       | 18                      |
| 224                | 81                       | 23                      | 255                | 69                       | 22                      | 220                | 83                       | 26                      |
| 148                | 116                      | 82                      | 114                | 136                      | 95                      | 127                | 133                      | 90                      |
| 429                | 35                       | 26                      | 340                | 48                       | 33                      | 343                | 53                       | 36                      |
| 194                | 93                       | 66                      | 158                | 106                      | 75                      | 202                | 90                       | 64                      |
| 222                | 82                       | 24                      | 243                | 74                       | 25                      | 294                | 62                       | 20                      |
| 102                | 149                      | 48                      | 108                | 139                      | 43                      | 103                | 155                      | 52                      |
| 73                 | 179                      | 119                     | 126                | 127                      | 90                      | 137                | 122                      | 84                      |
| 449                | 30                       | 21                      | 416                | 35                       | 25                      | 490                | 27                       | 17                      |
| 653                | 13                       | 2                       | 625                | 14                       | 3                       | 646                | 15                       | 4                       |
| 39                 | 252                      | 90                      | 29                 | 279                      | 104                     | 27                 | 313                      | 125                     |
| 409                | 39                       | 29                      | 443                | 29                       | 21                      | 441                | 34                       | 24                      |
| 57                 | 209                      | 138                     | 48                 | 225                      | 149                     | 89                 | 174                      | 115                     |
| 358                | 49                       | 35                      | 301                | 53                       | 37                      | 316                | 56                       | 38                      |
| 426                | 36                       | 10                      | 434                | 30                       | 9                       | 434                | 37                       | 11                      |
| 162                | 106                      | 75                      | 142                | 116                      | 82                      | 147                | 115                      | 80                      |
| 255                | 71                       | 51                      | 300                | 54                       | 38                      | 240                | 76                       | 52                      |
| 22                 | 318                      | 194                     | 27                 | 285                      | 179                     | 43                 | 264                      | 166                     |
| 609                | 17                       | 4                       | 583                | 18                       | 5                       | 607                | 17                       | 5                       |
| 19                 | 341                      | 138                     | 22                 | 302                      | 118                     | 25                 | 322                      | 131                     |
| 96                 | 155                      | 106                     | 92                 | 154                      | 105                     | 107                | 150                      | 101                     |
| 484                | 28                       | 19                      | 505                | 23                       | 16                      | 489                | 28                       | 18                      |
| 139                | 122                      | 87                      | 144                | 114                      | 81                      | 123                | 139                      | 94                      |
| 56                 | 213                      | 141                     | 45                 | 233                      | 154                     | 45                 | 255                      | 161                     |
| 17                 | 347                      | 206                     | 18                 | 334                      | 197                     | 15                 | 379                      | 214                     |
| 64                 | 194                      | 129                     | 65                 | 190                      | 126                     | 59                 | 225                      | 145                     |
| 105                | 148                      | 101                     | 65                 | 190                      | 126                     | 71                 | 198                      | 128                     |
| 403                | 41                       | 11                      | 376                | 42                       | 13                      | 423                | 38                       | 12                      |
| 395                | 43                       | 31                      | 422                | 33                       | 23                      | 457                | 32                       | 22                      |
| 87                 | 164                      | 111                     | 71                 | 176                      | 121                     | 70                 | 199                      | 129                     |
| 132                | 125                      | 37                      | 97                 | 146                      | 47                      | 234                | 78                       | 25                      |
| 382                | 44                       | 13                      | 372                | 43                       | 14                      | 374                | 47                       | 15                      |

| Doctorates Awarded                                                      |                                        |                    |                          |                         |                    |                          |                         |
|-------------------------------------------------------------------------|----------------------------------------|--------------------|--------------------------|-------------------------|--------------------|--------------------------|-------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                        | 2013<br>Doctorates | 2013<br>National<br>Rank | 2013<br>Control<br>Rank | 2012<br>Doctorates | 2012<br>National<br>Rank | 2012<br>Control<br>Rank |
| Public                                                                  | Ohio State University - Columbus       | 807                | 5                        | 5                       | 756                | 7                        | 6                       |
| Public                                                                  | Oklahoma State Univ. - Stillwater      | 238                | 78                       | 57                      | 212                | 90                       | 65                      |
| Public                                                                  | Oregon Health & Science University     | 41                 | 259                      | 167                     | 57                 | 220                      | 144                     |
| Public                                                                  | Oregon State University                | 215                | 91                       | 65                      | 197                | 98                       | 71                      |
| Public                                                                  | Penn. St. Univ. - Hershey Med. Ctr.    | 20                 | 353                      | 203                     | 32                 | 280                      | 177                     |
| Public                                                                  | Pennsylvania State Univ. - Univ. Park  | 662                | 17                       | 14                      | 629                | 17                       | 14                      |
| Private                                                                 | Princeton University                   | 319                | 61                       | 17                      | 351                | 51                       | 16                      |
| Public                                                                  | Purdue University - West Lafayette     | 684                | 15                       | 13                      | 649                | 14                       | 12                      |
| Private                                                                 | Rensselaer Polytechnic Institute       | 150                | 119                      | 36                      | 136                | 129                      | 38                      |
| Private                                                                 | Rice University                        | 178                | 104                      | 31                      | 190                | 100                      | 28                      |
| Private                                                                 | Rockefeller University                 | 17                 | 374                      | 165                     | 40                 | 253                      | 93                      |
| Private                                                                 | Rush University                        | 12                 | 411                      | 183                     | 7                  | 452                      | 209                     |
| Public                                                                  | Rutgers University - New Brunswick     | 417                | 44                       | 31                      | 414                | 43                       | 31                      |
| Public                                                                  | San Diego State University             | 82                 | 184                      | 122                     | 48                 | 234                      | 153                     |
| Private                                                                 | Scripps Research Institute             |                    |                          |                         |                    |                          |                         |
| Public                                                                  | South Dakota State University          | 45                 | 248                      | 161                     | 38                 | 262                      | 167                     |
| Private                                                                 | Stanford University                    | 764                | 9                        | 1                       | 764                | 6                        | 1                       |
| Public                                                                  | Stony Brook University                 | 309                | 64                       | 46                      | 263                | 70                       | 50                      |
| Public                                                                  | Temple University                      | 208                | 93                       | 66                      | 216                | 89                       | 64                      |
| Public                                                                  | Texas A&M Univ. - College Station      | 693                | 13                       | 12                      | 663                | 13                       | 11                      |
| Private                                                                 | Thomas Jefferson University            | 24                 | 321                      | 129                     | 17                 | 353                      | 150                     |
| Private                                                                 | Tufts University                       | 121                | 146                      | 47                      | 143                | 125                      | 36                      |
| Private                                                                 | Tulane University                      | 130                | 140                      | 44                      | 120                | 140                      | 44                      |
| Public                                                                  | Uniformed Services Univ. of the HS     |                    |                          |                         |                    |                          |                         |
| Public                                                                  | University at Albany                   | 154                | 118                      | 83                      | 158                | 116                      | 84                      |
| Public                                                                  | University at Buffalo                  | 335                | 55                       | 39                      | 305                | 60                       | 43                      |
| Public                                                                  | University of Alabama - Birmingham     | 147                | 123                      | 86                      | 174                | 106                      | 76                      |
| Public                                                                  | University of Alabama - Huntsville     | 28                 | 304                      | 183                     | 37                 | 266                      | 169                     |
| Public                                                                  | University of Alaska - Fairbanks       | 52                 | 226                      | 149                     | 50                 | 230                      | 150                     |
| Public                                                                  | University of Arizona                  | 441                | 39                       | 27                      | 446                | 37                       | 26                      |
| Public                                                                  | Univ. of Arkansas for Med. Sciences    | 29                 | 301                      | 181                     | 32                 | 280                      | 177                     |
| Public                                                                  | University of California - Berkeley    | 937                | 1                        | 1                       | 892                | 1                        | 1                       |
| Public                                                                  | University of California - Davis       | 580                | 20                       | 15                      | 566                | 20                       | 16                      |
| Public                                                                  | University of California - Irvine      | 435                | 41                       | 29                      | 413                | 44                       | 32                      |
| Public                                                                  | University of California - Los Angeles | 784                | 6                        | 6                       | 725                | 9                        | 8                       |
| Public                                                                  | University of California - Riverside   | 255                | 75                       | 55                      | 263                | 70                       | 50                      |
| Public                                                                  | University of California - San Diego   | 489                | 30                       | 20                      | 523                | 22                       | 17                      |
| Public                                                                  | Univ. of California - San Francisco    | 136                | 129                      | 91                      | 134                | 132                      | 94                      |
| Public                                                                  | Univ. of California - Santa Barbara    | 387                | 50                       | 34                      | 346                | 52                       | 36                      |
| Public                                                                  | University of California - Santa Cruz  | 160                | 111                      | 77                      | 172                | 107                      | 77                      |
| Public                                                                  | University of Central Florida          | 238                | 78                       | 57                      | 229                | 82                       | 58                      |
| Private                                                                 | University of Chicago                  | 413                | 45                       | 14                      | 401                | 45                       | 13                      |
| Public                                                                  | University of Cincinnati - Cincinnati  | 230                | 84                       | 62                      | 242                | 79                       | 56                      |
| Public                                                                  | University of Colorado - Boulder       | 386                | 51                       | 35                      | 344                | 53                       | 37                      |
| Public                                                                  | University of Colorado - Denver        | 122                | 145                      | 99                      | 107                | 151                      | 103                     |
| Public                                                                  | Univ. of Connecticut - Health Center   | 23                 | 329                      | 195                     | 29                 | 292                      | 180                     |
| Public                                                                  | University of Connecticut - Storrs     | 272                | 72                       | 52                      | 265                | 68                       | 49                      |
| Private                                                                 | University of Dayton                   | 30                 | 296                      | 116                     | 23                 | 321                      | 131                     |
| Public                                                                  | University of Delaware                 | 202                | 97                       | 68                      | 228                | 84                       | 60                      |

| 2011<br>Doctorates | 2011<br>National<br>Rank | 2011<br>Control<br>Rank | 2010<br>Doctorates | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>Doctorates | 2009<br>National<br>Rank | 2009<br>Control<br>Rank |
|--------------------|--------------------------|-------------------------|--------------------|--------------------------|-------------------------|--------------------|--------------------------|-------------------------|
| 782                | 5                        | 5                       | 757                | 6                        | 6                       | 738                | 10                       | 8                       |
| 187                | 96                       | 69                      | 211                | 83                       | 57                      | 172                | 104                      | 74                      |
| 56                 | 213                      | 141                     | 48                 | 225                      | 149                     | 46                 | 250                      | 159                     |
| 172                | 99                       | 71                      | 179                | 96                       | 68                      | 178                | 102                      | 72                      |
| 36                 | 263                      | 167                     | 41                 | 243                      | 158                     | 32                 | 292                      | 180                     |
| 634                | 14                       | 12                      | 631                | 13                       | 11                      | 632                | 16                       | 12                      |
| 350                | 52                       | 15                      | 302                | 52                       | 16                      | 349                | 51                       | 17                      |
| 668                | 12                       | 11                      | 618                | 15                       | 12                      | 651                | 14                       | 11                      |
| 131                | 126                      | 38                      | 151                | 110                      | 32                      | 131                | 128                      | 40                      |
| 178                | 98                       | 28                      | 166                | 102                      | 30                      | 168                | 105                      | 31                      |
| 23                 | 313                      | 123                     | 37                 | 253                      | 89                      | 41                 | 267                      | 100                     |
| 34                 | 270                      | 102                     | 10                 | 384                      | 166                     | 48                 | 248                      | 90                      |
| 407                | 40                       | 30                      | 424                | 32                       | 22                      | 410                | 39                       | 27                      |
| 59                 | 204                      | 135                     | 63                 | 195                      | 130                     | 66                 | 209                      | 137                     |
|                    |                          |                         |                    |                          |                         |                    |                          |                         |
| 24                 | 310                      | 189                     | 30                 | 277                      | 174                     | 24                 | 330                      | 193                     |
| 762                | 7                        | 1                       | 708                | 9                        | 1                       | 661                | 13                       | 3                       |
| 298                | 61                       | 43                      | 283                | 57                       | 40                      | 341                | 54                       | 37                      |
| 233                | 77                       | 56                      | 158                | 106                      | 75                      | 405                | 42                       | 30                      |
| 619                | 15                       | 13                      | 578                | 19                       | 14                      | 597                | 18                       | 13                      |
| 20                 | 335                      | 136                     | 19                 | 325                      | 131                     | 73                 | 197                      | 70                      |
| 138                | 123                      | 36                      | 124                | 130                      | 38                      | 133                | 126                      | 39                      |
| 99                 | 152                      | 49                      | 102                | 143                      | 45                      | 113                | 146                      | 48                      |
|                    |                          |                         |                    |                          |                         |                    |                          |                         |
| 154                | 110                      | 78                      | 196                | 88                       | 61                      | 131                | 128                      | 89                      |
| 313                | 58                       | 40                      | 279                | 62                       | 45                      | 367                | 48                       | 33                      |
| 153                | 111                      | 79                      | 129                | 125                      | 88                      | 186                | 99                       | 70                      |
| 30                 | 278                      | 173                     | 28                 | 283                      | 178                     | 32                 | 292                      | 180                     |
| 46                 | 236                      | 153                     | 45                 | 233                      | 154                     | 37                 | 281                      | 173                     |
| 445                | 31                       | 22                      | 471                | 27                       | 19                      | 479                | 30                       | 20                      |
| 28                 | 288                      | 178                     | 30                 | 277                      | 174                     | 38                 | 278                      | 172                     |
| 920                | 1                        | 1                       | 891                | 1                        | 1                       | 869                | 1                        | 1                       |
| 507                | 23                       | 17                      | 480                | 26                       | 18                      | 500                | 26                       | 16                      |
| 374                | 45                       | 32                      | 365                | 45                       | 30                      | 402                | 44                       | 32                      |
| 728                | 9                        | 8                       | 748                | 7                        | 7                       | 760                | 9                        | 7                       |
| 235                | 76                       | 55                      | 195                | 89                       | 62                      | 188                | 97                       | 69                      |
| 484                | 28                       | 19                      | 444                | 28                       | 20                      | 437                | 35                       | 25                      |
| 119                | 137                      | 94                      | 152                | 109                      | 78                      | 153                | 112                      | 78                      |
| 354                | 50                       | 36                      | 299                | 55                       | 39                      | 347                | 52                       | 35                      |
| 148                | 116                      | 82                      | 151                | 110                      | 79                      | 145                | 117                      | 81                      |
| 245                | 75                       | 54                      | 231                | 77                       | 52                      | 192                | 95                       | 67                      |
| 396                | 42                       | 12                      | 368                | 44                       | 15                      | 366                | 49                       | 16                      |
| 220                | 83                       | 59                      | 219                | 81                       | 55                      | 250                | 72                       | 50                      |
| 353                | 51                       | 37                      | 317                | 50                       | 35                      | 300                | 61                       | 42                      |
| 93                 | 157                      | 107                     | 93                 | 152                      | 104                     | 152                | 113                      | 79                      |
| 75                 | 175                      | 117                     | 29                 | 279                      | 176                     | 22                 | 341                      | 197                     |
| 219                | 84                       | 60                      | 249                | 71                       | 48                      | 238                | 77                       | 53                      |
| 18                 | 343                      | 140                     | 28                 | 283                      | 106                     | 20                 | 356                      | 154                     |
| 211                | 88                       | 62                      | 176                | 100                      | 71                      | 251                | 71                       | 49                      |

| Doctorates Awarded                                                      |                                       |                 |                    |                   |                 |                    |                   |
|-------------------------------------------------------------------------|---------------------------------------|-----------------|--------------------|-------------------|-----------------|--------------------|-------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                       | 2013 Doctorates | 2013 National Rank | 2013 Control Rank | 2012 Doctorates | 2012 National Rank | 2012 Control Rank |
| Public                                                                  | University of Florida                 | 742             | 11                 | 10                | 696             | 11                 | 10                |
| Public                                                                  | University of Georgia                 | 440             | 40                 | 28                | 453             | 35                 | 25                |
| Public                                                                  | University of Hawaii - Manoa          | 229             | 85                 | 63                | 196             | 99                 | 72                |
| Public                                                                  | University of Houston - Univ. Park    | 317             | 62                 | 45                | 301             | 61                 | 44                |
| Public                                                                  | University of Idaho                   | 95              | 164                | 110               | 58              | 216                | 141               |
| Public                                                                  | University of Illinois - Chicago      | 352             | 54                 | 38                | 342             | 55                 | 38                |
| Public                                                                  | Univ. of Illinois - Urbana-Champaign  | 809             | 4                  | 4                 | 869             | 2                  | 2                 |
| Public                                                                  | University of Iowa                    | 538             | 22                 | 16                | 437             | 39                 | 28                |
| Public                                                                  | University of Kansas - Lawrence       | 325             | 57                 | 41                | 273             | 64                 | 46                |
| Public                                                                  | University of Kansas Medical Center   | 37              | 270                | 172               | 29              | 292                | 180               |
| Public                                                                  | University of Kentucky                | 305             | 65                 | 47                | 322             | 58                 | 41                |
| Public                                                                  | University of Louisville              | 138             | 127                | 89                | 185             | 102                | 73                |
| Public                                                                  | University of Maryland - Baltimore    | 81              | 186                | 124               | 75              | 183                | 120               |
| Public                                                                  | Univ. of Maryland - Baltimore County  | 95              | 164                | 110               | 72              | 188                | 122               |
| Public                                                                  | University of Maryland - College Park | 696             | 12                 | 11                | 632             | 16                 | 13                |
| Public                                                                  | Univ. of Massachusetts - Amherst      | 295             | 67                 | 49                | 268             | 67                 | 48                |
| Public                                                                  | Univ. of Mass. Med. Sch. - Worcester  | 52              | 226                | 149               | 66              | 199                | 128               |
| Public                                                                  | Univ. of Medicine & Dentistry of NJ   | 272             | 72                 | 52                | 245             | 76                 | 55                |
| Private                                                                 | University of Miami                   | 163             | 110                | 34                | 181             | 104                | 30                |
| Public                                                                  | University of Michigan - Ann Arbor    | 885             | 2                  | 2                 | 857             | 4                  | 4                 |
| Public                                                                  | University of Minnesota - Twin Cities | 772             | 7                  | 7                 | 734             | 8                  | 7                 |
| Public                                                                  | University of Missouri - Columbia     | 411             | 46                 | 32                | 367             | 50                 | 35                |
| Public                                                                  | University of Nebraska - Lincoln      | 325             | 57                 | 41                | 246             | 75                 | 54                |
| Public                                                                  | University of Nebraska Medical Ctr.   | 42              | 255                | 165               | 40              | 253                | 161               |
| Public                                                                  | University of Nevada - Reno           | 125             | 143                | 98                | 111             | 147                | 100               |
| Public                                                                  | Univ. of New Hampshire - Durham       | 64              | 204                | 137               | 58              | 216                | 141               |
| Public                                                                  | Univ. of New Mexico - Albuquerque     | 202             | 97                 | 68                | 202             | 97                 | 70                |
| Public                                                                  | Univ. of North Carolina - Chapel Hill | 530             | 23                 | 17                | 495             | 26                 | 18                |
| Public                                                                  | University of North Dakota            | 72              | 200                | 134               | 68              | 195                | 127               |
| Private                                                                 | University of Notre Dame              | 214             | 92                 | 27                | 210             | 92                 | 26                |
| Public                                                                  | University of Oklahoma - Norman       | 206             | 95                 | 67                | 218             | 88                 | 63                |
| Public                                                                  | University of Oklahoma HSC            | 24              | 321                | 193               | 24              | 317                | 189               |
| Public                                                                  | University of Oregon                  | 169             | 107                | 75                | 170             | 109                | 78                |
| Private                                                                 | University of Pennsylvania            | 527             | 25                 | 8                 | 514             | 23                 | 6                 |
| Public                                                                  | University of Pittsburgh - Pittsburgh | 435             | 41                 | 29                | 479             | 30                 | 21                |
| Public                                                                  | University of Rhode Island            | 97              | 162                | 109               | 89              | 167                | 113               |
| Private                                                                 | University of Rochester               | 290             | 70                 | 20                | 265             | 68                 | 20                |
| Public                                                                  | Univ. of South Carolina - Columbia    | 334             | 56                 | 40                | 279             | 63                 | 45                |
| Public                                                                  | University of South Florida - Tampa   | 295             | 67                 | 49                | 270             | 66                 | 47                |
| Private                                                                 | University of Southern California     | 663             | 16                 | 3                 | 634             | 15                 | 3                 |
| Public                                                                  | University of Tennessee - Knoxville   | 484             | 34                 | 23                | 461             | 34                 | 24                |
| Public                                                                  | University of Tennessee HSC           |                 |                    |                   |                 |                    |                   |
| Public                                                                  | University of Texas - Austin          | 849             | 3                  | 3                 | 867             | 3                  | 3                 |
| Public                                                                  | University of Texas HSC - Houston     | 117             | 148                | 100               | 127             | 137                | 96                |
| Public                                                                  | Univ. of Texas HSC - San Antonio      | 51              | 230                | 153               | 56              | 223                | 145               |
| Public                                                                  | U. of Texas MD Anderson Cancer Ctr.   |                 |                    |                   |                 |                    |                   |
| Public                                                                  | U. of Texas Med. Branch - Galveston   | 52              | 226                | 149               | 40              | 253                | 161               |
| Public                                                                  | U. of Texas SW Medical Ctr. - Dallas  | 89              | 175                | 117               | 98              | 158                | 108               |
| Public                                                                  | University of Utah                    | 324             | 59                 | 43                | 339             | 56                 | 39                |

| 2011<br>Doctorates | 2011<br>National<br>Rank | 2011<br>Control<br>Rank | 2010<br>Doctorates | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>Doctorates | 2009<br>National<br>Rank | 2009<br>Control<br>Rank |
|--------------------|--------------------------|-------------------------|--------------------|--------------------------|-------------------------|--------------------|--------------------------|-------------------------|
| 774                | 6                        | 6                       | 771                | 4                        | 4                       | 841                | 3                        | 3                       |
| 443                | 32                       | 23                      | 417                | 34                       | 24                      | 459                | 31                       | 21                      |
| 251                | 72                       | 52                      | 184                | 93                       | 66                      | 205                | 88                       | 62                      |
| 284                | 64                       | 46                      | 231                | 77                       | 52                      | 231                | 79                       | 54                      |
| 63                 | 196                      | 131                     | 73                 | 175                      | 120                     | 88                 | 176                      | 117                     |
| 326                | 56                       | 39                      | 316                | 51                       | 36                      | 292                | 63                       | 43                      |
| 794                | 4                        | 4                       | 763                | 5                        | 5                       | 780                | 7                        | 6                       |
| 432                | 34                       | 25                      | 397                | 38                       | 28                      | 404                | 43                       | 31                      |
| 299                | 60                       | 42                      | 281                | 59                       | 42                      | 242                | 75                       | 51                      |
| 36                 | 263                      | 167                     | 17                 | 339                      | 199                     | 21                 | 349                      | 202                     |
| 261                | 69                       | 49                      | 265                | 66                       | 47                      | 312                | 57                       | 39                      |
| 156                | 109                      | 77                      | 161                | 103                      | 73                      | 142                | 118                      | 82                      |
| 63                 | 196                      | 131                     | 81                 | 169                      | 117                     | 86                 | 178                      | 119                     |
| 97                 | 154                      | 105                     | 84                 | 166                      | 114                     | 86                 | 178                      | 119                     |
| 582                | 18                       | 14                      | 604                | 16                       | 13                      | 577                | 21                       | 15                      |
| 258                | 70                       | 50                      | 281                | 59                       | 42                      | 255                | 69                       | 47                      |
| 66                 | 190                      | 126                     | 47                 | 231                      | 153                     | 55                 | 235                      | 151                     |
| 247                | 74                       | 53                      | 237                | 76                       | 51                      | 217                | 84                       | 58                      |
| 166                | 102                      | 31                      | 181                | 94                       | 28                      | 156                | 110                      | 34                      |
| 797                | 3                        | 3                       | 799                | 3                        | 3                       | 842                | 2                        | 2                       |
| 723                | 10                       | 9                       | 701                | 11                       | 10                      | 680                | 12                       | 10                      |
| 365                | 48                       | 34                      | 322                | 49                       | 34                      | 306                | 59                       | 41                      |
| 287                | 63                       | 45                      | 282                | 58                       | 41                      | 257                | 68                       | 46                      |
| 39                 | 252                      | 163                     | 34                 | 263                      | 167                     | 83                 | 185                      | 124                     |
| 106                | 146                      | 100                     | 95                 | 147                      | 100                     | 126                | 134                      | 91                      |
| 60                 | 201                      | 134                     | 64                 | 193                      | 129                     | 56                 | 232                      | 149                     |
| 165                | 105                      | 74                      | 190                | 90                       | 63                      | 208                | 87                       | 61                      |
| 506                | 24                       | 18                      | 513                | 22                       | 15                      | 483                | 29                       | 19                      |
| 52                 | 222                      | 146                     | 65                 | 190                      | 126                     | 105                | 153                      | 103                     |
| 159                | 107                      | 32                      | 160                | 105                      | 31                      | 165                | 107                      | 33                      |
| 186                | 97                       | 70                      | 206                | 84                       | 58                      | 204                | 89                       | 63                      |
| 27                 | 292                      | 179                     | 33                 | 266                      | 168                     | 32                 | 292                      | 180                     |
| 149                | 114                      | 81                      | 161                | 103                      | 73                      | 173                | 103                      | 73                      |
| 543                | 21                       | 6                       | 521                | 21                       | 7                       | 544                | 23                       | 8                       |
| 519                | 22                       | 16                      | 400                | 37                       | 27                      | 448                | 33                       | 23                      |
| 81                 | 168                      | 114                     | 86                 | 164                      | 112                     | 90                 | 172                      | 113                     |
| 276                | 65                       | 19                      | 272                | 64                       | 18                      | 275                | 66                       | 22                      |
| 289                | 62                       | 44                      | 249                | 71                       | 48                      | 270                | 67                       | 45                      |
| 269                | 67                       | 47                      | 243                | 74                       | 50                      | 288                | 64                       | 44                      |
| 616                | 16                       | 3                       | 632                | 12                       | 2                       | 803                | 5                        | 1                       |
| 371                | 47                       | 33                      | 397                | 38                       | 28                      | 410                | 39                       | 27                      |
|                    |                          |                         |                    |                          |                         |                    |                          |                         |
| 801                | 2                        | 2                       | 857                | 2                        | 2                       | 818                | 4                        | 4                       |
| 108                | 144                      | 99                      | 118                | 133                      | 93                      | 122                | 140                      | 95                      |
| 38                 | 256                      | 164                     | 41                 | 243                      | 158                     | 44                 | 262                      | 165                     |
|                    |                          |                         |                    |                          |                         |                    |                          |                         |
| 45                 | 239                      | 156                     | 35                 | 260                      | 165                     | 58                 | 227                      | 146                     |
| 85                 | 165                      | 112                     | 95                 | 147                      | 100                     | 112                | 148                      | 100                     |
| 304                | 59                       | 41                      | 279                | 62                       | 45                      | 312                | 57                       | 39                      |

| Doctorates Awarded                                                      |                                       |                    |                          |                         |                    |                          |                         |
|-------------------------------------------------------------------------|---------------------------------------|--------------------|--------------------------|-------------------------|--------------------|--------------------------|-------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                       | 2013<br>Doctorates | 2013<br>National<br>Rank | 2013<br>Control<br>Rank | 2012<br>Doctorates | 2012<br>National<br>Rank | 2012<br>Control<br>Rank |
| Public                                                                  | University of Vermont                 | 84                 | 180                      | 119                     | 62                 | 207                      | 135                     |
| Public                                                                  | University of Virginia                | 399                | 48                       | 33                      | 393                | 46                       | 33                      |
| Public                                                                  | University of Washington - Seattle    | 763                | 10                       | 9                       | 708                | 10                       | 9                       |
| Public                                                                  | University of Wisconsin - Madison     | 772                | 7                        | 7                       | 813                | 5                        | 5                       |
| Public                                                                  | University of Wyoming                 | 81                 | 186                      | 124                     | 72                 | 188                      | 122                     |
| Public                                                                  | Utah State University                 | 105                | 155                      | 106                     | 94                 | 161                      | 111                     |
| Private                                                                 | Vanderbilt University                 | 310                | 63                       | 18                      | 273                | 64                       | 19                      |
| Public                                                                  | Virginia Commonwealth University      | 324                | 59                       | 43                      | 333                | 57                       | 40                      |
| Public                                                                  | Virginia Polytechnic Inst. and St. U. | 479                | 36                       | 24                      | 469                | 32                       | 22                      |
| Private                                                                 | Wake Forest University                | 50                 | 233                      | 79                      | 57                 | 220                      | 77                      |
| Public                                                                  | Washington State Univ. - Pullman      | 268                | 74                       | 54                      | 203                | 95                       | 68                      |
| Private                                                                 | Washington University in St. Louis    | 255                | 75                       | 21                      | 251                | 73                       | 21                      |
| Public                                                                  | Wayne State University                | 223                | 88                       | 64                      | 229                | 82                       | 58                      |
| Private                                                                 | Weill Cornell Medical College         | 73                 | 196                      | 64                      | 57                 | 220                      | 77                      |
| Public                                                                  | West Virginia University              | 158                | 113                      | 78                      | 162                | 113                      | 81                      |
| Private                                                                 | Woods Hole Oceanographic Inst.        |                    |                          |                         |                    |                          |                         |
| Private                                                                 | Yale University                       | 398                | 49                       | 16                      | 390                | 47                       | 14                      |
| Private                                                                 | Yeshiva University                    | 131                | 136                      | 41                      | 129                | 136                      | 41                      |

| 2011<br>Doctorates | 2011<br>National<br>Rank | 2011<br>Control<br>Rank | 2010<br>Doctorates | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>Doctorates | 2009<br>National<br>Rank | 2009<br>Control<br>Rank |
|--------------------|--------------------------|-------------------------|--------------------|--------------------------|-------------------------|--------------------|--------------------------|-------------------------|
| 58                 | 206                      | 136                     | 77                 | 172                      | 119                     | 61                 | 218                      | 142                     |
| 421                | 37                       | 27                      | 347                | 47                       | 32                      | 360                | 50                       | 34                      |
| 723                | 10                       | 9                       | 703                | 10                       | 9                       | 683                | 11                       | 9                       |
| 761                | 8                        | 7                       | 716                | 8                        | 8                       | 786                | 6                        | 5                       |
| 65                 | 192                      | 127                     | 69                 | 182                      | 124                     | 69                 | 201                      | 131                     |
| 111                | 142                      | 98                      | 88                 | 160                      | 108                     | 88                 | 176                      | 117                     |
| 322                | 57                       | 18                      | 269                | 65                       | 19                      | 282                | 65                       | 21                      |
| 329                | 54                       | 38                      | 280                | 61                       | 44                      | 227                | 80                       | 55                      |
| 414                | 38                       | 28                      | 403                | 36                       | 26                      | 435                | 36                       | 26                      |
| 58                 | 206                      | 71                      | 44                 | 238                      | 81                      | 60                 | 223                      | 80                      |
| 197                | 92                       | 65                      | 177                | 99                       | 70                      | 195                | 93                       | 66                      |
| 248                | 73                       | 21                      | 244                | 73                       | 24                      | 250                | 72                       | 23                      |
| 231                | 78                       | 57                      | 180                | 95                       | 67                      | 252                | 70                       | 48                      |
| 60                 | 201                      | 68                      | 48                 | 225                      | 77                      | 57                 | 229                      | 82                      |
| 166                | 102                      | 72                      | 141                | 118                      | 84                      | 186                | 99                       | 70                      |
|                    |                          |                         |                    |                          |                         |                    |                          |                         |
| 342                | 53                       | 16                      | 382                | 40                       | 11                      | 390                | 45                       | 13                      |
| 122                | 134                      | 41                      | 118                | 133                      | 41                      | 125                | 136                      | 44                      |

| Postdoctoral Appointees                                                 |                                       |               |                    |                   |               |                    |                   |
|-------------------------------------------------------------------------|---------------------------------------|---------------|--------------------|-------------------|---------------|--------------------|-------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                       | 2012 Postdocs | 2012 National Rank | 2012 Control Rank | 2011 Postdocs | 2011 National Rank | 2011 Control Rank |
| Public                                                                  | Arizona State University - Tempe      | 221           | 77                 | 50                | 204           | 83                 | 53                |
| Public                                                                  | Auburn University                     | 45            | 162                | 113               | 42            | 169                | 117               |
| Private                                                                 | Baylor College of Medicine            | 588           | 29                 | 14                | 572           | 31                 | 14                |
| Private                                                                 | Boston University                     | 530           | 35                 | 17                | 600           | 28                 | 12                |
| Private                                                                 | Brandeis University                   | 128           | 118                | 40                | 102           | 122                | 40                |
| Private                                                                 | Brown University                      | 274           | 67                 | 26                | 279           | 65                 | 27                |
| Private                                                                 | California Institute of Technology    | 623           | 25                 | 12                | 573           | 30                 | 13                |
| Private                                                                 | Carnegie Mellon University            | 241           | 72                 | 27                | 234           | 73                 | 28                |
| Private                                                                 | Case Western Reserve University       | 219           | 78                 | 28                | 194           | 87                 | 32                |
| Public                                                                  | Clemson University                    | 45            | 162                | 113               | 44            | 166                | 114               |
| Public                                                                  | Cleveland State University            | 9             | 262                | 184               | 12            | 247                | 173               |
| Private                                                                 | Cold Springs Harbor Laboratory        |               |                    |                   |               |                    |                   |
| Public                                                                  | Colorado State Univ. - Fort Collins   | 313           | 57                 | 34                | 233           | 74                 | 46                |
| Private                                                                 | Columbia University                   | 1,283         | 6                  | 5                 | 1,276         | 7                  | 6                 |
| Private                                                                 | Cornell University                    | 386           | 44                 | 21                | 487           | 38                 | 19                |
| Private                                                                 | Dartmouth College                     | 208           | 83                 | 31                | 199           | 86                 | 31                |
| Private                                                                 | Drexel University                     | 63            | 141                | 46                | 54            | 151                | 48                |
| Private                                                                 | Duke University                       | 747           | 19                 | 8                 | 784           | 19                 | 9                 |
| Private                                                                 | Emory University                      | 678           | 22                 | 11                | 691           | 23                 | 11                |
| Public                                                                  | Florida International University      | 55            | 150                | 104               | 51            | 154                | 106               |
| Public                                                                  | Florida State University              | 235           | 73                 | 46                | 218           | 78                 | 49                |
| Public                                                                  | George Mason University               | 31            | 183                | 128               | 31            | 187                | 132               |
| Private                                                                 | George Washington University          | 98            | 126                | 42                | 68            | 138                | 44                |
| Private                                                                 | Georgetown University                 | 131           | 117                | 39                | 112           | 119                | 39                |
| Public                                                                  | Georgia Health Sciences University    | 143           | 107                | 71                | 156           | 104                | 68                |
| Public                                                                  | Georgia Institute of Technology       | 307           | 60                 | 36                | 295           | 62                 | 36                |
| Private                                                                 | Harvard University                    | 6,019         | 1                  | 1                 | 6,120         | 1                  | 1                 |
| Private                                                                 | Icahn School of Med. at Mount Sinai   | 579           | 31                 | 15                | 536           | 35                 | 17                |
| Public                                                                  | Indiana University - Bloomington      | 316           | 56                 | 33                | 125           | 113                | 76                |
| Public                                                                  | Indiana U. - Purdue U. - Indianapolis | 20            | 215                | 157               | 239           | 71                 | 44                |
| Public                                                                  | Iowa State University                 | 158           | 99                 | 65                | 152           | 105                | 69                |
| Private                                                                 | Johns Hopkins University              | 1,775         | 3                  | 3                 | 1,649         | 3                  | 3                 |
| Public                                                                  | Kansas State University               | 112           | 121                | 81                | 103           | 121                | 82                |
| Public                                                                  | Louisiana State Univ. - Baton Rouge   | 138           | 110                | 73                | 158           | 102                | 66                |
| Public                                                                  | Louisiana St. U. HSC - New Orleans    | 61            | 143                | 97                | 53            | 152                | 104               |
| Private                                                                 | Massachusetts Inst. of Technology     | 1,398         | 5                  | 4                 | 1,345         | 4                  | 4                 |
| Private                                                                 | Medical College of Wisconsin          | 133           | 114                | 38                | 136           | 111                | 37                |
| Public                                                                  | Medical University of South Carolina  | 186           | 90                 | 57                | 194           | 87                 | 56                |
| Public                                                                  | Michigan State University             | 429           | 40                 | 20                | 455           | 40                 | 20                |
| Public                                                                  | Mississippi State University          | 35            | 177                | 124               | 41            | 171                | 119               |
| Public                                                                  | Montana State University - Bozeman    | 41            | 169                | 119               | 56            | 147                | 101               |
| Public                                                                  | Naval Postgraduate School             |               |                    |                   |               |                    |                   |
| Public                                                                  | New Jersey Institute of Technology    | 17            | 232                | 167               | 36            | 177                | 123               |
| Public                                                                  | New Mexico State Univ. - Las Cruces   | 29            | 188                | 132               | 24            | 201                | 144               |
| Private                                                                 | New York University                   | 623           | 25                 | 12                | 493           | 37                 | 18                |
| Public                                                                  | North Carolina State University       | 371           | 48                 | 26                | 318           | 54                 | 29                |
| Public                                                                  | North Dakota State University         | 21            | 213                | 155               | 31            | 187                | 132               |
| Private                                                                 | Northeastern University               | 96            | 130                | 43                | 100           | 124                | 41                |
| Private                                                                 | Northwestern University               | 742           | 20                 | 9                 | 813           | 17                 | 8                 |

| 2010<br>Postdocs | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>Postdocs | 2009<br>National<br>Rank | 2009<br>Control<br>Rank | 2008<br>Postdocs | 2008<br>National<br>Rank | 2008<br>Control<br>Rank |
|------------------|--------------------------|-------------------------|------------------|--------------------------|-------------------------|------------------|--------------------------|-------------------------|
| 210              | 84                       | 56                      | 202              | 83                       | 54                      | 210              | 73                       | 46                      |
| 39               | 174                      | 122                     | 82               | 128                      | 88                      | 152              | 90                       | 59                      |
| 494              | 34                       | 16                      | 464              | 33                       | 15                      | 473              | 32                       | 15                      |
| 870              | 16                       | 8                       | 360              | 44                       | 21                      | 286              | 54                       | 27                      |
| 111              | 118                      | 40                      | 132              | 105                      | 37                      | 114              | 109                      | 38                      |
| 271              | 67                       | 27                      | 226              | 75                       | 28                      | 206              | 76                       | 28                      |
| 588              | 27                       | 13                      | 582              | 24                       | 12                      | 584              | 23                       | 11                      |
| 200              | 87                       | 30                      | 177              | 90                       | 32                      | 163              | 87                       | 31                      |
| 160              | 99                       | 34                      | 218              | 78                       | 29                      | 179              | 83                       | 30                      |
| 47               | 161                      | 109                     | 49               | 159                      | 110                     | 43               | 159                      | 110                     |
| 11               | 257                      | 184                     | 6                | 258                      | 182                     | 9                | 239                      | 169                     |
|                  |                          |                         |                  |                          |                         |                  |                          |                         |
| 242              | 69                       | 42                      | 227              | 73                       | 46                      | 266              | 57                       | 30                      |
| 1,358            | 6                        | 4                       | 757              | 18                       | 9                       | 789              | 13                       | 7                       |
| 426              | 40                       | 21                      | 281              | 58                       | 26                      | 371              | 40                       | 20                      |
| 191              | 91                       | 31                      | 188              | 85                       | 30                      | 196              | 81                       | 29                      |
| 73               | 137                      | 43                      | 71               | 140                      | 44                      | 66               | 140                      | 45                      |
| 807              | 19                       | 9                       | 765              | 16                       | 7                       | 759              | 14                       | 8                       |
| 672              | 23                       | 12                      | 644              | 21                       | 10                      | 682              | 19                       | 10                      |
| 40               | 172                      | 120                     | 43               | 163                      | 113                     | 47               | 157                      | 109                     |
| 241              | 71                       | 44                      | 258              | 66                       | 40                      | 241              | 61                       | 34                      |
| 28               | 195                      | 139                     | 37               | 170                      | 119                     | 31               | 172                      | 122                     |
| 62               | 146                      | 45                      | 18               | 214                      | 64                      | 20               | 196                      | 58                      |
| 126              | 113                      | 39                      | 140              | 103                      | 36                      | 145              | 92                       | 33                      |
| 123              | 115                      | 76                      | 117              | 113                      | 75                      | 115              | 108                      | 71                      |
| 273              | 66                       | 40                      | 271              | 60                       | 34                      | 219              | 71                       | 44                      |
| 5,827            | 1                        | 1                       | 5,594            | 1                        | 1                       | 5,556            | 1                        | 1                       |
| 502              | 33                       | 15                      | 386              | 41                       | 20                      | 433              | 35                       | 16                      |
| 126              | 113                      | 75                      | 143              | 101                      | 66                      | 128              | 102                      | 67                      |
| 217              | 80                       | 52                      | 264              | 62                       | 36                      | 258              | 59                       | 32                      |
| 278              | 65                       | 39                      | 246              | 68                       | 42                      | 238              | 62                       | 35                      |
| 1,721            | 3                        | 3                       | 1,570            | 3                        | 3                       | 1,490            | 2                        | 2                       |
| 74               | 136                      | 94                      | 95               | 122                      | 83                      | 105              | 117                      | 78                      |
| 167              | 98                       | 65                      | 183              | 88                       | 57                      | 185              | 82                       | 53                      |
| 86               | 131                      | 89                      | 79               | 130                      | 90                      | 20               | 196                      | 139                     |
| 1,286            | 7                        | 5                       | 1,193            | 7                        | 5                       | 1,159            | 6                        | 4                       |
| 141              | 108                      | 37                      | 79               | 130                      | 41                      | 93               | 122                      | 40                      |
| 188              | 92                       | 61                      | 198              | 84                       | 55                      | 211              | 72                       | 45                      |
| 445              | 38                       | 19                      | 422              | 36                       | 19                      | 382              | 39                       | 20                      |
| 40               | 172                      | 120                     | 60               | 148                      | 103                     | 54               | 147                      | 101                     |
| 62               | 146                      | 102                     | 71               | 140                      | 97                      | 81               | 129                      | 87                      |
|                  |                          |                         |                  |                          |                         |                  |                          |                         |
| 18               | 225                      | 161                     | 17               | 219                      | 155                     | 23               | 187                      | 133                     |
| 14               | 242                      | 174                     | 14               | 222                      | 157                     | 12               | 229                      | 163                     |
| 489              | 35                       | 17                      | 424              | 35                       | 17                      | 431              | 36                       | 17                      |
| 231              | 74                       | 47                      | 264              | 62                       | 36                      | 253              | 60                       | 33                      |
| 53               | 155                      | 107                     | 51               | 154                      | 106                     | 43               | 159                      | 110                     |
| 96               | 127                      | 41                      | 77               | 134                      | 42                      | 82               | 128                      | 42                      |
| 741              | 20                       | 10                      | 758              | 17                       | 8                       | 700              | 18                       | 9                       |

| Postdoctoral Appointees                                                 |                                        |               |                    |                   |               |                    |                   |
|-------------------------------------------------------------------------|----------------------------------------|---------------|--------------------|-------------------|---------------|--------------------|-------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                        | 2012 Postdocs | 2012 National Rank | 2012 Control Rank | 2011 Postdocs | 2011 National Rank | 2011 Control Rank |
| Public                                                                  | Ohio State University - Columbus       | 616           | 28                 | 15                | 617           | 27                 | 16                |
| Public                                                                  | Oklahoma State Univ. - Stillwater      | 61            | 143                | 97                | 58            | 146                | 100               |
| Public                                                                  | Oregon Health & Science University     | 303           | 62                 | 38                | 298           | 60                 | 34                |
| Public                                                                  | Oregon State University                | 214           | 81                 | 52                | 189           | 91                 | 58                |
| Public                                                                  | Penn. St. Univ. - Hershey Med. Ctr.    | 100           | 125                | 84                | 88            | 128                | 86                |
| Public                                                                  | Pennsylvania State Univ. - Univ. Park  | 401           | 41                 | 21                | 380           | 47                 | 24                |
| Private                                                                 | Princeton University                   | 457           | 39                 | 20                | 471           | 39                 | 20                |
| Public                                                                  | Purdue University - West Lafayette     | 306           | 61                 | 37                | 297           | 61                 | 35                |
| Private                                                                 | Rensselaer Polytechnic Institute       | 80            | 136                | 44                | 77            | 134                | 43                |
| Private                                                                 | Rice University                        | 158           | 99                 | 35                | 165           | 99                 | 35                |
| Private                                                                 | Rockefeller University                 | 309           | 58                 | 24                | 318           | 54                 | 26                |
| Private                                                                 | Rush University                        | 36            | 176                | 53                | 51            | 154                | 49                |
| Public                                                                  | Rutgers University - New Brunswick     | 243           | 71                 | 45                | 240           | 70                 | 43                |
| Public                                                                  | San Diego State University             | 31            | 183                | 128               | 46            | 161                | 111               |
| Private                                                                 | Scripps Research Institute             |               |                    |                   |               |                    |                   |
| Public                                                                  | South Dakota State University          | 42            | 166                | 117               | 39            | 174                | 122               |
| Private                                                                 | Stanford University                    | 1,887         | 2                  | 2                 | 1,798         | 2                  | 2                 |
| Public                                                                  | Stony Brook University                 | 222           | 76                 | 49                | 202           | 84                 | 54                |
| Public                                                                  | Temple University                      | 159           | 98                 | 64                | 110           | 120                | 81                |
| Public                                                                  | Texas A&M Univ. - College Station      | 320           | 55                 | 32                | 316           | 56                 | 30                |
| Private                                                                 | Thomas Jefferson University            | 145           | 104                | 36                | 163           | 100                | 36                |
| Private                                                                 | Tufts University                       | 201           | 85                 | 32                | 205           | 82                 | 30                |
| Private                                                                 | Tulane University                      | 143           | 107                | 37                | 124           | 116                | 38                |
| Public                                                                  | Uniformed Services Univ. of the HS     | 71            | 137                | 93                | 71            | 136                | 93                |
| Public                                                                  | University at Albany                   | 92            | 131                | 88                | 86            | 129                | 87                |
| Public                                                                  | University at Buffalo                  | 264           | 68                 | 42                | 299           | 59                 | 33                |
| Public                                                                  | University of Alabama - Birmingham     | 226           | 74                 | 47                | 245           | 69                 | 42                |
| Public                                                                  | University of Alabama - Huntsville     | 8             | 267                | 186               | 15            | 237                | 168               |
| Public                                                                  | University of Alaska - Fairbanks       | 58            | 148                | 102               | 52            | 153                | 105               |
| Public                                                                  | University of Arizona                  | 308           | 59                 | 35                | 270           | 67                 | 40                |
| Public                                                                  | Univ. of Arkansas for Med. Sciences    | 41            | 169                | 119               | 33            | 183                | 129               |
| Public                                                                  | University of California - Berkeley    | 1,533         | 4                  | 1                 | 1,286         | 6                  | 1                 |
| Public                                                                  | University of California - Davis       | 757           | 18                 | 11                | 819           | 15                 | 8                 |
| Public                                                                  | University of California - Irvine      | 379           | 45                 | 24                | 369           | 48                 | 25                |
| Public                                                                  | University of California - Los Angeles | 1,009         | 12                 | 6                 | 1,062         | 12                 | 6                 |
| Public                                                                  | University of California - Riverside   | 133           | 114                | 77                | 167           | 98                 | 64                |
| Public                                                                  | University of California - San Diego   | 1,219         | 8                  | 2                 | 1,260         | 8                  | 2                 |
| Public                                                                  | Univ. of California - San Francisco    | 1,066         | 11                 | 5                 | 1,091         | 11                 | 5                 |
| Public                                                                  | Univ. of California - Santa Barbara    | 300           | 63                 | 39                | 291           | 63                 | 37                |
| Public                                                                  | University of California - Santa Cruz  | 141           | 109                | 72                | 150           | 106                | 70                |
| Public                                                                  | University of Central Florida          | 55            | 150                | 104               | 65            | 142                | 98                |
| Private                                                                 | University of Chicago                  | 565           | 33                 | 16                | 562           | 32                 | 15                |
| Public                                                                  | University of Cincinnati - Cincinnati  | 465           | 38                 | 19                | 410           | 45                 | 22                |
| Public                                                                  | University of Colorado - Boulder       | 776           | 17                 | 10                | 770           | 20                 | 11                |
| Public                                                                  | University of Colorado - Denver        | 300           | 63                 | 39                | 284           | 64                 | 38                |
| Public                                                                  | Univ. of Connecticut - Health Center   | 125           | 119                | 79                | 116           | 118                | 80                |
| Public                                                                  | University of Connecticut - Storrs     | 134           | 111                | 74                | 125           | 113                | 76                |
| Private                                                                 | University of Dayton                   | 11            | 254                | 74                | 14            | 240                | 72                |
| Public                                                                  | University of Delaware                 | 133           | 114                | 77                | 124           | 116                | 79                |

| 2010<br>Postdocs | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>Postdocs | 2009<br>National<br>Rank | 2009<br>Control<br>Rank | 2008<br>Postdocs | 2008<br>National<br>Rank | 2008<br>Control<br>Rank |
|------------------|--------------------------|-------------------------|------------------|--------------------------|-------------------------|------------------|--------------------------|-------------------------|
| 597              | 26                       | 14                      | 552              | 28                       | 15                      | 546              | 26                       | 14                      |
| 61               | 150                      | 104                     | 61               | 147                      | 102                     | 52               | 150                      | 104                     |
| 306              | 57                       | 31                      | 301              | 56                       | 32                      | 110              | 112                      | 74                      |
| 179              | 94                       | 62                      | 69               | 143                      | 99                      | 128              | 102                      | 67                      |
| 109              | 119                      | 79                      | 130              | 106                      | 69                      | 53               | 148                      | 102                     |
| 372              | 49                       | 26                      | 363              | 43                       | 23                      | 351              | 43                       | 23                      |
| 484              | 36                       | 18                      | 415              | 38                       | 19                      | 349              | 44                       | 21                      |
| 349              | 51                       | 27                      | 334              | 49                       | 27                      | 288              | 52                       | 27                      |
| 92               | 129                      | 42                      | 94               | 123                      | 40                      | 85               | 127                      | 41                      |
| 179              | 94                       | 33                      | 151              | 98                       | 34                      | 133              | 99                       | 35                      |
| 320              | 54                       | 26                      | 333              | 51                       | 24                      | 339              | 46                       | 22                      |
| 61               | 150                      | 47                      | 58               | 149                      | 46                      | 22               | 189                      | 55                      |
| 220              | 78                       | 50                      | 217              | 79                       | 50                      | 221              | 69                       | 42                      |
| 43               | 164                      | 112                     | 47               | 160                      | 111                     | 28               | 178                      | 127                     |
|                  |                          |                         |                  |                          |                         |                  |                          |                         |
| 37               | 177                      | 125                     | 32               | 176                      | 124                     | 18               | 210                      | 149                     |
| 1,777            | 2                        | 2                       | 1,590            | 2                        | 2                       | 1,474            | 3                        | 3                       |
| 172              | 97                       | 64                      | 168              | 91                       | 59                      | 161              | 88                       | 57                      |
| 101              | 125                      | 85                      | 153              | 96                       | 64                      | 79               | 130                      | 88                      |
| 304              | 58                       | 32                      | 324              | 53                       | 29                      | 282              | 55                       | 28                      |
| 152              | 103                      | 35                      | 144              | 100                      | 35                      | 146              | 91                       | 32                      |
| 186              | 93                       | 32                      | 120              | 111                      | 38                      | 107              | 115                      | 39                      |
| 138              | 110                      | 38                      | 63               | 145                      | 45                      | 76               | 131                      | 43                      |
| 64               | 144                      | 100                     | 9                | 245                      | 174                     | 9                | 239                      | 169                     |
| 106              | 122                      | 82                      | 103              | 120                      | 81                      | 88               | 124                      | 84                      |
| 285              | 62                       | 36                      | 275              | 59                       | 33                      | 325              | 47                       | 25                      |
| 237              | 73                       | 46                      | 253              | 67                       | 41                      | 220              | 70                       | 43                      |
| 18               | 225                      | 161                     | 19               | 209                      | 147                     | 18               | 210                      | 149                     |
| 44               | 163                      | 111                     | 0                | 315                      | 220                     | 0                | 305                      | 215                     |
| 310              | 56                       | 30                      | 322              | 54                       | 30                      | 368              | 41                       | 21                      |
| 31               | 190                      | 135                     | 28               | 185                      | 131                     | 20               | 196                      | 139                     |
| 1,253            | 9                        | 3                       | 1,361            | 4                        | 1                       | 1,254            | 5                        | 2                       |
| 860              | 17                       | 9                       | 692              | 20                       | 11                      | 730              | 15                       | 7                       |
| 387              | 46                       | 23                      | 408              | 39                       | 20                      | 293              | 50                       | 26                      |
| 1,121            | 12                       | 6                       | 1,141            | 8                        | 3                       | 1,076            | 8                        | 4                       |
| 241              | 71                       | 44                      | 227              | 73                       | 46                      | 206              | 76                       | 49                      |
| 1,514            | 4                        | 1                       | 1,135            | 9                        | 4                       | 1,077            | 7                        | 3                       |
| 1,094            | 13                       | 7                       | 1,320            | 5                        | 2                       | 1,273            | 4                        | 1                       |
| 334              | 53                       | 28                      | 166              | 92                       | 60                      | 159              | 89                       | 58                      |
| 155              | 102                      | 68                      | 154              | 95                       | 63                      | 136              | 95                       | 61                      |
| 58               | 153                      | 105                     | 74               | 136                      | 94                      | 66               | 140                      | 96                      |
| 570              | 30                       | 14                      | 531              | 30                       | 14                      | 484              | 31                       | 14                      |
| 280              | 64                       | 38                      | 268              | 61                       | 35                      | 277              | 56                       | 29                      |
| 741              | 20                       | 11                      | 563              | 27                       | 14                      | 518              | 29                       | 16                      |
| 282              | 63                       | 37                      | 219              | 77                       | 49                      | 201              | 80                       | 52                      |
| 96               | 127                      | 87                      | 123              | 108                      | 71                      | 106              | 116                      | 77                      |
| 121              | 116                      | 77                      | 96               | 121                      | 82                      | 95               | 120                      | 81                      |
| 8                | 274                      | 80                      | 7                | 253                      | 75                      | 6                | 252                      | 75                      |
| 120              | 117                      | 78                      | 121              | 110                      | 73                      | 110              | 112                      | 74                      |

| Postdoctoral Appointees                                                 |                                       |               |                    |                   |               |                    |                   |
|-------------------------------------------------------------------------|---------------------------------------|---------------|--------------------|-------------------|---------------|--------------------|-------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                       | 2012 Postdocs | 2012 National Rank | 2012 Control Rank | 2011 Postdocs | 2011 National Rank | 2011 Control Rank |
| Public                                                                  | University of Florida                 | 674           | 23                 | 12                | 625           | 26                 | 15                |
| Public                                                                  | University of Georgia                 | 245           | 70                 | 44                | 279           | 65                 | 39                |
| Public                                                                  | University of Hawaii - Manoa          | 339           | 53                 | 30                | 238           | 72                 | 45                |
| Public                                                                  | University of Houston - Univ. Park    | 198           | 87                 | 55                | 213           | 79                 | 50                |
| Public                                                                  | University of Idaho                   | 43            | 165                | 116               | 50            | 156                | 107               |
| Public                                                                  | University of Illinois - Chicago      | 251           | 69                 | 43                | 257           | 68                 | 41                |
| Public                                                                  | Univ. of Illinois - Urbana-Champaign  | 558           | 34                 | 18                | 548           | 34                 | 18                |
| Public                                                                  | University of Iowa                    | 363           | 49                 | 27                | 368           | 50                 | 27                |
| Public                                                                  | University of Kansas - Lawrence       | 184           | 91                 | 58                | 172           | 95                 | 61                |
| Public                                                                  | University of Kansas Medical Center   | 134           | 111                | 74                | 125           | 113                | 76                |
| Public                                                                  | University of Kentucky                | 344           | 52                 | 29                | 303           | 58                 | 32                |
| Public                                                                  | University of Louisville              | 114           | 120                | 80                | 135           | 112                | 75                |
| Public                                                                  | University of Maryland - Baltimore    | 350           | 50                 | 28                | 343           | 52                 | 28                |
| Public                                                                  | Univ. of Maryland - Baltimore County  | 45            | 162                | 113               | 36            | 177                | 123               |
| Public                                                                  | University of Maryland - College Park | 399           | 42                 | 22                | 431           | 42                 | 21                |
| Public                                                                  | Univ. of Massachusetts - Amherst      | 165           | 94                 | 60                | 209           | 80                 | 51                |
| Public                                                                  | Univ. of Mass. Med. Sch. - Worcester  | 324           | 54                 | 31                | 386           | 46                 | 23                |
| Public                                                                  | Univ. of Medicine & Dentistry of NJ   | 163           | 96                 | 62                | 179           | 94                 | 60                |
| Private                                                                 | University of Miami                   | 219           | 78                 | 28                | 227           | 76                 | 29                |
| Public                                                                  | University of Michigan - Ann Arbor    | 1,080         | 10                 | 4                 | 1,121         | 10                 | 4                 |
| Public                                                                  | University of Minnesota - Twin Cities | 580           | 30                 | 16                | 640           | 25                 | 14                |
| Public                                                                  | University of Missouri - Columbia     | 199           | 86                 | 54                | 219           | 77                 | 48                |
| Public                                                                  | University of Nebraska - Lincoln      | 163           | 96                 | 62                | 159           | 101                | 65                |
| Public                                                                  | Univ. of Nebraska Medical Center      | 145           | 104                | 69                | 148           | 108                | 72                |
| Public                                                                  | University of Nevada - Reno           | 53            | 153                | 106               | 66            | 141                | 97                |
| Public                                                                  | Univ. of New Hampshire - Durham       | 48            | 158                | 110               | 46            | 161                | 111               |
| Public                                                                  | Univ. of New Mexico - Albuquerque     | 70            | 139                | 95                | 193           | 89                 | 57                |
| Public                                                                  | Univ. of North Carolina - Chapel Hill | 850           | 14                 | 7                 | 878           | 14                 | 7                 |
| Public                                                                  | University of North Dakota            | 20            | 215                | 157               | 8             | 268                | 190               |
| Private                                                                 | University of Notre Dame              | 182           | 92                 | 34                | 182           | 93                 | 34                |
| Public                                                                  | University of Oklahoma - Norman       | 134           | 111                | 74                | 80            | 133                | 91                |
| Public                                                                  | University of Oklahoma HSC            | 90            | 132                | 89                | 81            | 132                | 90                |
| Public                                                                  | University of Oregon                  | 90            | 132                | 89                | 67            | 140                | 96                |
| Private                                                                 | University of Pennsylvania            | 956           | 13                 | 7                 | 978           | 13                 | 7                 |
| Public                                                                  | University of Pittsburgh - Pittsburgh | 841           | 15                 | 8                 | 818           | 16                 | 9                 |
| Public                                                                  | University of Rhode Island            | 50            | 156                | 108               | 50            | 156                | 107               |
| Private                                                                 | University of Rochester               | 214           | 81                 | 30                | 413           | 43                 | 22                |
| Public                                                                  | Univ. of South Carolina - Columbia    | 97            | 127                | 85                | 144           | 109                | 73                |
| Public                                                                  | University of South Florida - Tampa   | 289           | 66                 | 41                | 304           | 57                 | 31                |
| Private                                                                 | University of Southern California     | 506           | 36                 | 18                | 447           | 41                 | 21                |
| Public                                                                  | University of Tennessee - Knoxville   | 145           | 104                | 69                | 171           | 96                 | 62                |
| Public                                                                  | University of Tennessee HSC           | 156           | 101                | 66                | 149           | 107                | 71                |
| Public                                                                  | University of Texas - Austin          | 372           | 47                 | 25                | 369           | 48                 | 25                |
| Public                                                                  | University of Texas HSC - Houston     | 224           | 75                 | 48                | 209           | 80                 | 51                |
| Public                                                                  | Univ. of Texas HSC - San Antonio      | 173           | 93                 | 59                | 171           | 96                 | 62                |
| Public                                                                  | U. of Texas MD Anderson Cancer Ctr.   | 621           | 27                 | 14                | 509           | 36                 | 19                |
| Public                                                                  | U. of Texas Med. Branch - Galveston   | 150           | 102                | 67                | 157           | 103                | 67                |
| Public                                                                  | U. of Texas SW Medical Ctr. - Dallas  | 572           | 32                 | 17                | 582           | 29                 | 17                |
| Public                                                                  | University of Utah                    | 389           | 43                 | 23                | 732           | 21                 | 12                |

| 2010<br>Postdocs | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>Postdocs | 2009<br>National<br>Rank | 2009<br>Control<br>Rank | 2008<br>Postdocs | 2008<br>National<br>Rank | 2008<br>Control<br>Rank |
|------------------|--------------------------|-------------------------|------------------|--------------------------|-------------------------|------------------|--------------------------|-------------------------|
| 648              | 25                       | 13                      | 597              | 23                       | 12                      | 585              | 22                       | 12                      |
| 219              | 79                       | 51                      | 232              | 72                       | 45                      | 202              | 79                       | 51                      |
| 216              | 81                       | 53                      | 207              | 82                       | 53                      | 208              | 75                       | 48                      |
| 209              | 85                       | 57                      | 185              | 87                       | 56                      | 173              | 85                       | 55                      |
| 42               | 167                      | 115                     | 50               | 157                      | 108                     | 48               | 155                      | 108                     |
| 254              | 68                       | 41                      | 245              | 69                       | 43                      | 226              | 66                       | 39                      |
| 513              | 31                       | 17                      | 506              | 31                       | 17                      | 438              | 34                       | 19                      |
| 383              | 47                       | 24                      | 354              | 46                       | 25                      | 368              | 41                       | 21                      |
| 142              | 107                      | 71                      | 148              | 99                       | 65                      | 129              | 101                      | 66                      |
| 103              | 123                      | 83                      | 105              | 119                      | 80                      | 86               | 126                      | 86                      |
| 320              | 54                       | 29                      | 305              | 55                       | 31                      | 264              | 58                       | 31                      |
| 134              | 111                      | 73                      | 117              | 113                      | 75                      | 113              | 110                      | 72                      |
| 378              | 48                       | 25                      | 52               | 153                      | 105                     | 56               | 145                      | 99                      |
| 80               | 134                      | 92                      | 56               | 150                      | 104                     | 58               | 144                      | 98                      |
| 396              | 43                       | 21                      | 325              | 52                       | 28                      | 235              | 64                       | 37                      |
| 215              | 83                       | 55                      | 209              | 81                       | 52                      | 224              | 68                       | 41                      |
| 403              | 41                       | 20                      | 357              | 45                       | 24                      | 710              | 17                       | 9                       |
| 158              | 101                      | 67                      | 120              | 111                      | 74                      | 94               | 121                      | 82                      |
| 227              | 76                       | 28                      | 240              | 70                       | 27                      | 288              | 52                       | 26                      |
| 1,174            | 11                       | 5                       | 1,047            | 10                       | 5                       | 489              | 30                       | 17                      |
| 671              | 24                       | 12                      | 853              | 13                       | 7                       | 629              | 21                       | 11                      |
| 286              | 61                       | 35                      | 178              | 89                       | 58                      | 206              | 76                       | 49                      |
| 159              | 100                      | 66                      | 143              | 101                      | 66                      | 134              | 97                       | 63                      |
| 148              | 104                      | 69                      | 115              | 116                      | 78                      | 108              | 114                      | 76                      |
| 65               | 143                      | 99                      | 81               | 129                      | 89                      | 71               | 135                      | 91                      |
| 37               | 177                      | 125                     | 30               | 180                      | 128                     | 19               | 202                      | 143                     |
| 224              | 77                       | 49                      | 480              | 32                       | 18                      | 172              | 86                       | 56                      |
| 844              | 18                       | 10                      | 746              | 19                       | 10                      | 682              | 19                       | 10                      |
| 12               | 251                      | 180                     | 13               | 225                      | 158                     | 13               | 226                      | 160                     |
| 147              | 105                      | 36                      | 114              | 117                      | 39                      | 124              | 107                      | 37                      |
| 108              | 120                      | 80                      | 112              | 118                      | 79                      | 97               | 119                      | 80                      |
| 68               | 141                      | 97                      | 85               | 126                      | 86                      | 51               | 152                      | 105                     |
| 80               | 134                      | 92                      | 72               | 139                      | 96                      | 70               | 136                      | 92                      |
| 1,042            | 14                       | 7                       | 1,003            | 12                       | 6                       | 933              | 10                       | 6                       |
| 891              | 15                       | 8                       | 831              | 14                       | 8                       | 830              | 12                       | 6                       |
| 47               | 161                      | 109                     | 40               | 166                      | 115                     | 32               | 170                      | 120                     |
| 356              | 50                       | 24                      | 335              | 48                       | 22                      | 315              | 49                       | 24                      |
| 147              | 105                      | 70                      | 116              | 115                      | 77                      | 127              | 104                      | 69                      |
| 293              | 59                       | 33                      | 261              | 64                       | 38                      | 231              | 65                       | 38                      |
| 427              | 39                       | 20                      | 418              | 37                       | 18                      | 411              | 37                       | 18                      |
| 179              | 94                       | 62                      | 156              | 94                       | 62                      | 126              | 106                      | 70                      |
| 108              | 120                      | 80                      | 1                | 292                      | 203                     | 11               | 233                      | 165                     |
| 287              | 60                       | 34                      | 259              | 65                       | 39                      | 210              | 73                       | 46                      |
| 216              | 81                       | 53                      | 224              | 76                       | 48                      | 130              | 100                      | 65                      |
| 139              | 109                      | 72                      | 133              | 104                      | 68                      | 113              | 110                      | 72                      |
| 581              | 29                       | 16                      | 548              | 29                       | 16                      | 572              | 25                       | 13                      |
| 200              | 87                       | 58                      | 342              | 47                       | 26                      | 237              | 63                       | 36                      |
| 585              | 28                       | 15                      | 564              | 26                       | 13                      | 521              | 28                       | 15                      |
| 508              | 32                       | 18                      | 370              | 42                       | 22                      | 346              | 45                       | 24                      |

## Postdoctoral Appointees

| Institutions with Over \$40 Million<br>in Federal Research, Alphabetically |                                       | 2012<br>Postdocs | 2012<br>National<br>Rank | 2012<br>Control<br>Rank | 2011<br>Postdocs | 2011<br>National<br>Rank | 2011<br>Control<br>Rank |
|----------------------------------------------------------------------------|---------------------------------------|------------------|--------------------------|-------------------------|------------------|--------------------------|-------------------------|
| Public                                                                     | University of Vermont                 | 85               | 135                      | 92                      | 68               | 138                      | 95                      |
| Public                                                                     | University of Virginia                | 658              | 24                       | 13                      | 643              | 24                       | 13                      |
| Public                                                                     | University of Washington - Seattle    | 1,190            | 9                        | 3                       | 1,186            | 9                        | 3                       |
| Public                                                                     | University of Wisconsin - Madison     | 798              | 16                       | 9                       | 797              | 18                       | 10                      |
| Public                                                                     | University of Wyoming                 | 61               | 143                      | 97                      | 55               | 150                      | 103                     |
| Public                                                                     | Utah State University                 | 22               | 208                      | 151                     | 22               | 212                      | 153                     |
| Private                                                                    | Vanderbilt University                 | 711              | 21                       | 10                      | 720              | 22                       | 10                      |
| Public                                                                     | Virginia Commonwealth University      | 217              | 80                       | 51                      | 232              | 75                       | 47                      |
| Public                                                                     | Virginia Polytechnic Inst. and St. U. | 202              | 84                       | 53                      | 202              | 84                       | 54                      |
| Private                                                                    | Wake Forest University                | 188              | 89                       | 33                      | 192              | 90                       | 33                      |
| Public                                                                     | Washington State Univ. - Pullman      | 190              | 88                       | 56                      | 184              | 92                       | 59                      |
| Private                                                                    | Washington University in St. Louis    | 374              | 46                       | 22                      | 559              | 33                       | 16                      |
| Public                                                                     | Wayne State University                | 164              | 95                       | 61                      | 138              | 110                      | 74                      |
| Private                                                                    | Weill Cornell Medical College         | 347              | 51                       | 23                      | 344              | 51                       | 24                      |
| Public                                                                     | West Virginia University              | 46               | 161                      | 112                     | 93               | 127                      | 85                      |
| Private                                                                    | Woods Hole Oceanographic Inst.        | 107              | 122                      | 41                      | 99               | 125                      | 42                      |
| Private                                                                    | Yale University                       | 1,256            | 7                        | 6                       | 1,307            | 5                        | 5                       |
| Private                                                                    | Yeshiva University                    | 293              | 65                       | 25                      | 321              | 53                       | 25                      |

| 2010<br>Postdocs | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>Postdocs | 2009<br>National<br>Rank | 2009<br>Control<br>Rank | 2008<br>Postdocs | 2008<br>National<br>Rank | 2008<br>Control<br>Rank |
|------------------|--------------------------|-------------------------|------------------|--------------------------|-------------------------|------------------|--------------------------|-------------------------|
| 87               | 130                      | 88                      | 77               | 134                      | 93                      | 90               | 123                      | 83                      |
| 396              | 43                       | 21                      | 400              | 40                       | 21                      | 469              | 33                       | 18                      |
| 1,175            | 10                       | 4                       | 1,024            | 11                       | 6                       | 883              | 11                       | 5                       |
| 1,369            | 5                        | 2                       | 786              | 15                       | 9                       | 728              | 16                       | 8                       |
| 64               | 144                      | 100                     | 69               | 143                      | 99                      | 75               | 132                      | 89                      |
| 31               | 190                      | 135                     | 29               | 182                      | 129                     | 20               | 196                      | 139                     |
| 681              | 22                       | 11                      | 579              | 25                       | 13                      | 573              | 24                       | 12                      |
| 242              | 69                       | 42                      | 233              | 71                       | 44                      | 226              | 66                       | 39                      |
| 200              | 87                       | 58                      | 215              | 80                       | 51                      | 177              | 84                       | 54                      |
| 206              | 86                       | 29                      | 187              | 86                       | 31                      | 127              | 104                      | 36                      |
| 194              | 90                       | 60                      | 161              | 93                       | 61                      | 135              | 96                       | 62                      |
| 484              | 36                       | 18                      | 637              | 22                       | 11                      | 541              | 27                       | 13                      |
| 131              | 112                      | 74                      | 128              | 107                      | 70                      | 137              | 94                       | 60                      |
| 339              | 52                       | 25                      | 300              | 57                       | 25                      | 291              | 51                       | 25                      |
| 81               | 133                      | 91                      | 73               | 138                      | 95                      | 68               | 139                      | 95                      |
| 71               | 138                      | 44                      | 74               | 136                      | 43                      | 74               | 134                      | 44                      |
| 1,283            | 8                        | 6                       | 1,195            | 6                        | 4                       | 1,076            | 8                        | 5                       |
| 393              | 45                       | 23                      | 334              | 49                       | 23                      | 318              | 48                       | 23                      |

| SAT Scores                                                              |                                       |                       |                          |                         |                       |                          |                         |
|-------------------------------------------------------------------------|---------------------------------------|-----------------------|--------------------------|-------------------------|-----------------------|--------------------------|-------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                       | 2012<br>Median<br>SAT | 2012<br>National<br>Rank | 2012<br>Control<br>Rank | 2011<br>Median<br>SAT | 2011<br>National<br>Rank | 2011<br>Control<br>Rank |
| Public                                                                  | Arizona State University - Tempe      | 1105                  | 421                      | 127                     | 1095                  | 439                      | 130                     |
| Public                                                                  | Auburn University                     | 1220                  | 152                      | 35                      | 1220                  | 154                      | 35                      |
| Private                                                                 | Baylor College of Medicine            |                       |                          |                         |                       |                          |                         |
| Private                                                                 | Boston University                     | 1275                  | 104                      | 89                      | 1275                  | 101                      | 87                      |
| Private                                                                 | Brandeis University                   | 1340                  | 63                       | 58                      | 1340                  | 60                       | 56                      |
| Private                                                                 | Brown University                      | 1425                  | 24                       | 24                      | 1390                  | 35                       | 35                      |
| Private                                                                 | California Institute of Technology    | 1525                  | 1                        | 1                       | 1525                  | 1                        | 1                       |
| Private                                                                 | Carnegie Mellon University            | 1420                  | 27                       | 27                      | 1410                  | 26                       | 26                      |
| Private                                                                 | Case Western Reserve University       | 1370                  | 45                       | 45                      | 1340                  | 60                       | 56                      |
| Public                                                                  | Clemson University                    | 1235                  | 136                      | 26                      | 1235                  | 138                      | 27                      |
| Public                                                                  | Cleveland State University            | 1010                  | 859                      | 285                     | 990                   | 972                      | 342                     |
| Private                                                                 | Cold Springs Harbor Laboratory        |                       |                          |                         |                       |                          |                         |
| Public                                                                  | Colorado State Univ. - Fort Collins   | 1130                  | 322                      | 97                      | 1130                  | 316                      | 93                      |
| Private                                                                 | Columbia University                   | 1485                  | 9                        | 9                       | 1480                  | 8                        | 8                       |
| Private                                                                 | Cornell University                    | 1415                  | 29                       | 29                      | 1400                  | 29                       | 29                      |
| Private                                                                 | Dartmouth College                     | 1455                  | 13                       | 13                      | 1465                  | 10                       | 10                      |
| Private                                                                 | Drexel University                     | 1220                  | 152                      | 118                     | 1205                  | 176                      | 133                     |
| Private                                                                 | Duke University                       | 1440                  | 18                       | 18                      | 1440                  | 16                       | 16                      |
| Private                                                                 | Emory University                      | 1375                  | 43                       | 43                      | 1405                  | 28                       | 28                      |
| Public                                                                  | Florida International University      | 1140                  | 310                      | 91                      | 1070                  | 531                      | 168                     |
| Public                                                                  | Florida State University              | 1220                  | 152                      | 35                      | 1205                  | 176                      | 44                      |
| Public                                                                  | George Mason University               | 1150                  | 284                      | 81                      | 1150                  | 277                      | 79                      |
| Private                                                                 | George Washington University          | 1295                  | 87                       | 75                      | 1300                  | 81                       | 73                      |
| Private                                                                 | Georgetown University                 | 1390                  | 35                       | 35                      | 1395                  | 32                       | 32                      |
| Public                                                                  | Georgia Health Sciences University    |                       |                          |                         |                       |                          |                         |
| Public                                                                  | Georgia Institute of Technology       | 1355                  | 55                       | 4                       | 1335                  | 65                       | 6                       |
| Private                                                                 | Harvard University                    | 1500                  | 2                        | 2                       | 1490                  | 5                        | 5                       |
| Private                                                                 | Icahn School of Med. at Mount Sinai   |                       |                          |                         |                       |                          |                         |
| Public                                                                  | Indiana University - Bloomington      | 1165                  | 262                      | 75                      | 1165                  | 256                      | 74                      |
| Public                                                                  | Indiana U. - Purdue U. - Indianapolis | 1005                  | 928                      | 320                     | 995                   | 965                      | 340                     |
| Public                                                                  | Iowa State University                 | 1150                  | 284                      | 81                      | 1150                  | 277                      | 79                      |
| Private                                                                 | Johns Hopkins University              | 1405                  | 32                       | 32                      | 1400                  | 29                       | 29                      |
| Public                                                                  | Kansas State University               |                       |                          |                         |                       |                          |                         |
| Public                                                                  | Louisiana State Univ. - Baton Rouge   | 1170                  | 229                      | 64                      | 1170                  | 234                      | 64                      |
| Public                                                                  | Louisiana St. U. HSC - New Orleans    |                       |                          |                         |                       |                          |                         |
| Private                                                                 | Massachusetts Inst. of Technology     | 1490                  | 7                        | 7                       | 1490                  | 5                        | 5                       |
| Private                                                                 | Medical College of Wisconsin          |                       |                          |                         |                       |                          |                         |
| Public                                                                  | Medical University of South Carolina  |                       |                          |                         |                       |                          |                         |
| Public                                                                  | Michigan State University             | 1170                  | 229                      | 64                      | 1170                  | 234                      | 64                      |
| Public                                                                  | Mississippi State University          | 1090                  | 451                      | 140                     | 1090                  | 449                      | 134                     |
| Public                                                                  | Montana State University - Bozeman    | 1110                  | 381                      | 112                     | 1130                  | 316                      | 93                      |
| Public                                                                  | Naval Postgraduate School             |                       |                          |                         |                       |                          |                         |
| Public                                                                  | New Jersey Institute of Technology    | 1140                  | 310                      | 91                      | 1120                  | 355                      | 102                     |
| Public                                                                  | New Mexico State Univ. - Las Cruces   | 990                   | 970                      | 344                     | 990                   | 972                      | 342                     |
| Private                                                                 | New York University                   | 1350                  | 59                       | 54                      | 1360                  | 49                       | 48                      |
| Public                                                                  | North Carolina State University       | 1185                  | 216                      | 57                      | 1185                  | 220                      | 57                      |
| Public                                                                  | North Dakota State University         | 1070                  | 531                      | 163                     | 1090                  | 449                      | 134                     |
| Private                                                                 | Northeastern University               | 1370                  | 45                       | 45                      | 1340                  | 60                       | 56                      |
| Private                                                                 | Northwestern University               | 1440                  | 18                       | 18                      | 1455                  | 14                       | 14                      |

| 2010<br>Median<br>SAT | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>Median<br>SAT | 2009<br>National<br>Rank | 2009<br>Control<br>Rank | 2008<br>Median<br>SAT | 2008<br>National<br>Rank | 2008<br>Control<br>Rank |
|-----------------------|--------------------------|-------------------------|-----------------------|--------------------------|-------------------------|-----------------------|--------------------------|-------------------------|
| 1080                  | 507                      | 160                     | 1080                  | 515                      | 152                     | 1075                  | 514                      | 155                     |
| 1220                  | 147                      | 32                      | 1190                  | 191                      | 45                      | 1170                  | 223                      | 56                      |
|                       |                          |                         |                       |                          |                         |                       |                          |                         |
| 1260                  | 107                      | 91                      | 1270                  | 99                       | 87                      | 1270                  | 95                       | 83                      |
| 1360                  | 46                       | 46                      | 1370                  | 41                       | 41                      | 1370                  | 40                       | 40                      |
| 1430                  | 21                       | 21                      | 1425                  | 20                       | 20                      | 1430                  | 16                       | 16                      |
| 1525                  | 1                        | 1                       | 1515                  | 1                        | 1                       | 1515                  | 1                        | 1                       |
| 1400                  | 26                       | 26                      | 1395                  | 30                       | 30                      | 1395                  | 31                       | 31                      |
| 1350                  | 49                       | 49                      | 1340                  | 52                       | 51                      | 1310                  | 68                       | 64                      |
| 1220                  | 147                      | 32                      | 1225                  | 143                      | 27                      | 1225                  | 139                      | 28                      |
| 970                   | 1072                     | 377                     | 970                   | 1055                     | 374                     | 950                   | 1132                     | 408                     |
|                       |                          |                         |                       |                          |                         |                       |                          |                         |
| 1130                  | 322                      | 92                      | 1130                  | 312                      | 89                      | 1110                  | 374                      | 99                      |
| 1460                  | 10                       | 10                      | 1455                  | 11                       | 11                      | 1435                  | 12                       | 12                      |
| 1400                  | 26                       | 26                      | 1395                  | 30                       | 30                      | 1400                  | 26                       | 26                      |
| 1450                  | 13                       | 13                      | 1440                  | 14                       | 14                      | 1440                  | 10                       | 10                      |
| 1210                  | 166                      | 129                     | 1205                  | 165                      | 130                     | 1200                  | 175                      | 142                     |
| 1435                  | 19                       | 19                      | 1440                  | 14                       | 14                      | 1440                  | 10                       | 10                      |
| 1390                  | 33                       | 33                      | 1405                  | 27                       | 27                      | 1385                  | 35                       | 35                      |
| 1075                  | 518                      | 162                     | 1100                  | 426                      | 124                     | 1110                  | 374                      | 99                      |
| 1190                  | 201                      | 50                      | 1200                  | 183                      | 41                      | 1190                  | 191                      | 40                      |
| 1145                  | 304                      | 86                      | 1140                  | 303                      | 86                      | 1115                  | 366                      | 96                      |
| 1290                  | 84                       | 75                      | 1280                  | 87                       | 77                      | 1290                  | 82                       | 73                      |
| 1400                  | 26                       | 26                      | 1400                  | 28                       | 28                      | 1355                  | 46                       | 46                      |
|                       |                          |                         |                       |                          |                         |                       |                          |                         |
| 1330                  | 61                       | 4                       | 1335                  | 55                       | 2                       | 1330                  | 58                       | 2                       |
| 1490                  | 2                        | 2                       | 1475                  | 6                        | 6                       | 1485                  | 5                        | 5                       |
|                       |                          |                         |                       |                          |                         |                       |                          |                         |
| 1170                  | 232                      | 61                      | 1175                  | 231                      | 59                      | 1150                  | 269                      | 70                      |
| 1005                  | 932                      | 316                     | 1000                  | 931                      | 317                     | 1005                  | 905                      | 299                     |
| 1150                  | 278                      | 80                      | 1150                  | 279                      | 78                      | 1130                  | 317                      | 83                      |
| 1395                  | 30                       | 30                      | 1400                  | 28                       | 28                      | 1400                  | 26                       | 26                      |
|                       |                          | 1110                    | 376                   | 105                      | 1090                    | 446                   | 125                      |                         |
| 1170                  | 232                      | 61                      | 1170                  | 235                      | 62                      | 1170                  | 223                      | 56                      |
|                       |                          |                         |                       |                          |                         |                       |                          |                         |
| 1485                  | 5                        | 5                       | 1465                  | 8                        | 8                       | 1470                  | 8                        | 8                       |
|                       |                          |                         |                       |                          |                         |                       |                          |                         |
|                       |                          |                         |                       |                          |                         |                       |                          |                         |
| 1170                  | 232                      | 61                      | 1150                  | 279                      | 78                      | 1150                  | 269                      | 70                      |
| 1070                  | 535                      | 167                     | 1090                  | 452                      | 134                     | 1090                  | 446                      | 125                     |
| 1110                  | 375                      | 107                     | 1110                  | 376                      | 105                     | 1090                  | 446                      | 125                     |
|                       |                          |                         |                       |                          |                         |                       |                          |                         |
| 1125                  | 353                      | 102                     | 1125                  | 349                      | 98                      | 1135                  | 310                      | 80                      |
| 990                   | 971                      | 334                     | 970                   | 1055                     | 374                     | 990                   | 949                      | 314                     |
| 1345                  | 52                       | 51                      | 1320                  | 61                       | 57                      | 1345                  | 50                       | 50                      |
| 1180                  | 224                      | 57                      | 1180                  | 224                      | 56                      | 1165                  | 252                      | 65                      |
| 1090                  | 447                      | 137                     | 1070                  | 543                      | 160                     | 1050                  | 616                      | 184                     |
| 1310                  | 69                       | 64                      | 1285                  | 83                       | 74                      | 1270                  | 95                       | 83                      |
| 1445                  | 14                       | 14                      | 1445                  | 13                       | 13                      | 1435                  | 12                       | 12                      |

| SAT Scores                                                              |                                        |                       |                          |                         |                       |                          |                         |
|-------------------------------------------------------------------------|----------------------------------------|-----------------------|--------------------------|-------------------------|-----------------------|--------------------------|-------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                        | 2012<br>Median<br>SAT | 2012<br>National<br>Rank | 2012<br>Control<br>Rank | 2011<br>Median<br>SAT | 2011<br>National<br>Rank | 2011<br>Control<br>Rank |
| Public                                                                  | Ohio State University - Columbus       | 1260                  | 111                      | 20                      | 1260                  | 110                      | 18                      |
| Public                                                                  | Oklahoma State Univ. - Stillwater      | 1150                  | 284                      | 81                      | 1130                  | 316                      | 93                      |
| Public                                                                  | Oregon Health & Science University     |                       |                          |                         |                       |                          |                         |
| Public                                                                  | Oregon State University                | 1090                  | 451                      | 140                     | 1090                  | 449                      | 134                     |
| Public                                                                  | Penn. St. Univ. - Hershey Med. Ctr.    |                       |                          |                         |                       |                          |                         |
| Public                                                                  | Pennsylvania State Univ. - Univ. Park  | 1195                  | 194                      | 49                      | 1195                  | 197                      | 51                      |
| Private                                                                 | Princeton University                   | 1500                  | 2                        | 2                       | 1500                  | 2                        | 2                       |
| Public                                                                  | Purdue University - West Lafayette     | 1180                  | 221                      | 61                      | 1170                  | 234                      | 64                      |
| Private                                                                 | Rensselaer Polytechnic Institute       | 1365                  | 49                       | 48                      | 1375                  | 45                       | 44                      |
| Private                                                                 | Rice University                        | 1445                  | 15                       | 15                      | 1430                  | 20                       | 20                      |
| Private                                                                 | Rockefeller University                 |                       |                          |                         |                       |                          |                         |
| Private                                                                 | Rush University                        |                       |                          |                         |                       |                          |                         |
| Public                                                                  | Rutgers University - New Brunswick     | 1195                  | 194                      | 49                      | 1195                  | 197                      | 51                      |
| Public                                                                  | San Diego State University             | 1085                  | 504                      | 155                     | 1085                  | 498                      | 156                     |
| Private                                                                 | Scripps Research Institute             |                       |                          |                         |                       |                          |                         |
| Public                                                                  | South Dakota State University          | 1050                  | 627                      | 201                     | 1030                  | 707                      | 228                     |
| Private                                                                 | Stanford University                    | 1475                  | 11                       | 11                      | 1455                  | 14                       | 14                      |
| Public                                                                  | Stony Brook University                 | 1235                  | 136                      | 26                      | 1230                  | 143                      | 28                      |
| Public                                                                  | Temple University                      | 1110                  | 381                      | 112                     | 1110                  | 372                      | 107                     |
| Public                                                                  | Texas A&M Univ. - College Station      | 1195                  | 194                      | 49                      | 1210                  | 169                      | 39                      |
| Private                                                                 | Thomas Jefferson University            |                       |                          |                         |                       |                          |                         |
| Private                                                                 | Tufts University                       | 1435                  | 21                       | 21                      | 1430                  | 20                       | 20                      |
| Private                                                                 | Tulane University                      | 1360                  | 50                       | 49                      | 1325                  | 67                       | 61                      |
| Public                                                                  | Uniformed Services Univ. of the HS     |                       |                          |                         |                       |                          |                         |
| Public                                                                  | University at Albany                   | 1105                  | 421                      | 127                     | 1115                  | 368                      | 105                     |
| Public                                                                  | University at Buffalo                  | 1155                  | 276                      | 78                      | 1155                  | 269                      | 77                      |
| Public                                                                  | University of Alabama - Birmingham     | 1110                  | 381                      | 112                     | 1110                  | 372                      | 107                     |
| Public                                                                  | University of Alabama - Huntsville     | 1170                  | 229                      | 64                      | 1170                  | 234                      | 64                      |
| Public                                                                  | University of Alaska - Fairbanks       |                       |                          |                         |                       |                          |                         |
| Public                                                                  | University of Arizona                  | 1095                  | 440                      | 135                     | 1100                  | 427                      | 122                     |
| Public                                                                  | Univ. of Arkansas for Med. Sciences    |                       |                          |                         |                       |                          |                         |
| Public                                                                  | University of California - Berkeley    | 1370                  | 45                       | 1                       | 1360                  | 49                       | 2                       |
| Public                                                                  | University of California - Davis       | 1210                  | 173                      | 42                      | 1210                  | 169                      | 39                      |
| Public                                                                  | University of California - Irvine      | 1160                  | 267                      | 77                      | 1185                  | 220                      | 57                      |
| Public                                                                  | University of California - Los Angeles | 1300                  | 77                       | 8                       | 1300                  | 81                       | 9                       |
| Public                                                                  | University of California - Riverside   | 1080                  | 513                      | 157                     | 1050                  | 625                      | 201                     |
| Public                                                                  | University of California - San Diego   | 1235                  | 136                      | 26                      | 1270                  | 104                      | 15                      |
| Public                                                                  | Univ. of California - San Francisco    |                       |                          |                         |                       |                          |                         |
| Public                                                                  | Univ. of California - Santa Barbara    | 1215                  | 167                      | 37                      | 1205                  | 176                      | 44                      |
| Public                                                                  | University of California - Santa Cruz  | 1140                  | 310                      | 91                      | 1135                  | 312                      | 90                      |
| Public                                                                  | University of Central Florida          | 1180                  | 221                      | 61                      | 1185                  | 220                      | 57                      |
| Private                                                                 | University of Chicago                  | 1485                  | 9                        | 9                       | 1485                  | 7                        | 7                       |
| Public                                                                  | University of Cincinnati - Cincinnati  | 1130                  | 322                      | 97                      | 1140                  | 303                      | 87                      |
| Public                                                                  | University of Colorado - Boulder       | 1170                  | 229                      | 64                      | 1190                  | 200                      | 53                      |
| Public                                                                  | University of Colorado - Denver        | 1070                  | 531                      | 163                     | 1050                  | 625                      | 201                     |
| Public                                                                  | Univ. of Connecticut - Health Center   |                       |                          |                         |                       |                          |                         |
| Public                                                                  | University of Connecticut - Storrs     | 1230                  | 141                      | 31                      | 1220                  | 154                      | 35                      |
| Private                                                                 | University of Dayton                   | 1205                  | 179                      | 136                     | 1205                  | 176                      | 133                     |
| Public                                                                  | University of Delaware                 | 1185                  | 216                      | 57                      | 1205                  | 176                      | 44                      |

| 2010<br>Median<br>SAT | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>Median<br>SAT | 2009<br>National<br>Rank | 2009<br>Control<br>Rank | 2008<br>Median<br>SAT | 2008<br>National<br>Rank | 2008<br>Control<br>Rank |
|-----------------------|--------------------------|-------------------------|-----------------------|--------------------------|-------------------------|-----------------------|--------------------------|-------------------------|
| 1260                  | 107                      | 17                      | 1240                  | 129                      | 24                      | 1240                  | 128                      | 25                      |
| 1150                  | 278                      | 80                      | 1130                  | 312                      | 89                      | 1130                  | 317                      | 83                      |
|                       |                          |                         |                       |                          |                         |                       |                          |                         |
| 1085                  | 497                      | 154                     | 1085                  | 499                      | 146                     | 1070                  | 525                      | 159                     |
|                       |                          |                         |                       |                          |                         |                       |                          |                         |
| 1195                  | 195                      | 48                      | 1200                  | 183                      | 41                      | 1195                  | 184                      | 37                      |
| 1490                  | 2                        | 2                       | 1485                  | 4                        | 4                       | 1485                  | 5                        | 5                       |
| 1165                  | 254                      | 73                      | 1160                  | 267                      | 73                      | 1150                  | 269                      | 70                      |
| 1365                  | 42                       | 42                      | 1360                  | 44                       | 44                      | 1335                  | 56                       | 55                      |
| 1440                  | 15                       | 15                      | 1425                  | 20                       | 20                      | 1425                  | 17                       | 17                      |
|                       |                          |                         |                       |                          |                         |                       |                          |                         |
|                       |                          |                         |                       |                          |                         |                       |                          |                         |
| 1190                  | 201                      | 50                      | 1185                  | 212                      | 52                      | 1185                  | 207                      | 49                      |
| 1040                  | 712                      | 223                     | 1050                  | 624                      | 197                     | 1050                  | 616                      | 184                     |
|                       |                          |                         |                       |                          |                         |                       |                          |                         |
| 1050                  | 634                      | 198                     | 1070                  | 543                      | 160                     | 1050                  | 616                      | 184                     |
| 1455                  | 11                       | 11                      | 1440                  | 14                       | 14                      | 1435                  | 12                       | 12                      |
| 1210                  | 166                      | 38                      | 1195                  | 189                      | 44                      | 1180                  | 215                      | 53                      |
| 1110                  | 375                      | 107                     | 1105                  | 418                      | 120                     | 1110                  | 374                      | 99                      |
| 1215                  | 159                      | 36                      | 1190                  | 191                      | 45                      | 1190                  | 191                      | 40                      |
|                       |                          |                         |                       |                          |                         |                       |                          |                         |
| 1425                  | 22                       | 22                      | 1450                  | 12                       | 12                      | 1420                  | 19                       | 19                      |
| 1315                  | 66                       | 62                      | 1320                  | 61                       | 57                      | 1340                  | 53                       | 52                      |
|                       |                          |                         |                       |                          |                         |                       |                          |                         |
| 1120                  | 357                      | 104                     | 1100                  | 426                      | 124                     | 1105                  | 420                      | 116                     |
| 1155                  | 275                      | 78                      | 1150                  | 279                      | 78                      | 1150                  | 269                      | 70                      |
| 1110                  | 375                      | 107                     | 1110                  | 376                      | 105                     | 1110                  | 374                      | 99                      |
| 1170                  | 232                      | 61                      | 1150                  | 279                      | 78                      | 1130                  | 317                      | 83                      |
|                       |                          | 1035                    | 718                   | 231                      | 1025                    | 784                   | 244                      |                         |
| 1085                  | 497                      | 154                     | 1095                  | 437                      | 130                     | 1100                  | 433                      | 119                     |
|                       |                          |                         |                       |                          |                         |                       |                          |                         |
| 1345                  | 52                       | 2                       | 1330                  | 59                       | 4                       | 1330                  | 58                       | 2                       |
| 1195                  | 195                      | 48                      | 1175                  | 231                      | 59                      | 1160                  | 255                      | 66                      |
| 1180                  | 224                      | 57                      | 1175                  | 231                      | 59                      | 1170                  | 223                      | 56                      |
| 1275                  | 100                      | 14                      | 1275                  | 95                       | 12                      | 1285                  | 86                       | 10                      |
| 1060                  | 600                      | 185                     | 1045                  | 698                      | 222                     | 1045                  | 686                      | 206                     |
| 1265                  | 105                      | 15                      | 1255                  | 117                      | 19                      | 1245                  | 125                      | 23                      |
|                       |                          |                         |                       |                          |                         |                       |                          |                         |
| 1200                  | 191                      | 46                      | 1180                  | 224                      | 56                      | 1185                  | 207                      | 49                      |
| 1150                  | 278                      | 80                      | 1150                  | 279                      | 78                      | 1135                  | 310                      | 80                      |
| 1180                  | 224                      | 57                      | 1180                  | 224                      | 56                      | 1175                  | 218                      | 55                      |
| 1480                  | 7                        | 7                       | 1465                  | 8                        | 8                       | 1420                  | 19                       | 19                      |
| 1130                  | 322                      | 92                      | 1130                  | 312                      | 89                      | 1110                  | 374                      | 99                      |
| 1170                  | 232                      | 61                      | 1205                  | 165                      | 36                      | 1190                  | 191                      | 40                      |
| 1050                  | 634                      | 198                     | 1050                  | 624                      | 197                     | 1030                  | 716                      | 220                     |
|                       |                          |                         |                       |                          |                         |                       |                          |                         |
| 1220                  | 147                      | 32                      | 1215                  | 153                      | 31                      | 1200                  | 175                      | 34                      |
| 1170                  | 232                      | 172                     | 1170                  | 235                      | 174                     | 1170                  | 223                      | 168                     |
| 1185                  | 217                      | 55                      | 1170                  | 235                      | 62                      | 1195                  | 184                      | 37                      |

| SAT Scores                                                              |                                       |                       |                          |                         |                       |                          |                         |
|-------------------------------------------------------------------------|---------------------------------------|-----------------------|--------------------------|-------------------------|-----------------------|--------------------------|-------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                       | 2012<br>Median<br>SAT | 2012<br>National<br>Rank | 2012<br>Control<br>Rank | 2011<br>Median<br>SAT | 2011<br>National<br>Rank | 2011<br>Control<br>Rank |
| Public                                                                  | University of Florida                 | 1265                  | 109                      | 18                      | 1260                  | 110                      | 18                      |
| Public                                                                  | University of Georgia                 | 1215                  | 167                      | 37                      | 1225                  | 145                      | 30                      |
| Public                                                                  | University of Hawaii - Manoa          | 1080                  | 513                      | 157                     | 1090                  | 449                      | 134                     |
| Public                                                                  | University of Houston - Univ. Park    | 1130                  | 322                      | 97                      | 1110                  | 372                      | 107                     |
| Public                                                                  | University of Idaho                   | 1070                  | 531                      | 163                     | 1070                  | 531                      | 168                     |
| Public                                                                  | University of Illinois - Chicago      | 1090                  | 451                      | 140                     | 1090                  | 449                      | 134                     |
| Public                                                                  | Univ. of Illinois - Urbana-Champaign  | 1280                  | 95                       | 14                      | 1280                  | 96                       | 14                      |
| Public                                                                  | University of Iowa                    | 1150                  | 284                      | 81                      | 1170                  | 234                      | 64                      |
| Public                                                                  | University of Kansas - Lawrence       | 1150                  | 284                      | 81                      | 1150                  | 277                      | 79                      |
| Public                                                                  | University of Kansas Medical Center   |                       |                          |                         |                       |                          |                         |
| Public                                                                  | University of Kentucky                | 1170                  | 229                      | 64                      | 1150                  | 277                      | 79                      |
| Public                                                                  | University of Louisville              | 1130                  | 322                      | 97                      | 1110                  | 372                      | 107                     |
| Public                                                                  | University of Maryland - Baltimore    |                       |                          |                         |                       |                          |                         |
| Public                                                                  | Univ. of Maryland - Baltimore County  | 1225                  | 149                      | 34                      | 1210                  | 169                      | 39                      |
| Public                                                                  | University of Maryland - College Park | 1300                  | 77                       | 8                       | 1290                  | 88                       | 11                      |
| Public                                                                  | Univ. of Massachusetts - Amherst      | 1190                  | 202                      | 53                      | 1185                  | 220                      | 57                      |
| Public                                                                  | Univ. of Mass. Med. Sch. - Worcester  |                       |                          |                         |                       |                          |                         |
| Public                                                                  | Univ. of Medicine & Dentistry of NJ   |                       |                          |                         |                       |                          |                         |
| Private                                                                 | University of Miami                   | 1325                  | 68                       | 62                      | 1315                  | 73                       | 67                      |
| Public                                                                  | University of Michigan - Ann Arbor    | 1340                  | 63                       | 6                       | 1390                  | 35                       | 1                       |
| Public                                                                  | University of Minnesota - Twin Cities | 1240                  | 125                      | 24                      | 1240                  | 125                      | 25                      |
| Public                                                                  | University of Missouri - Columbia     | 1170                  | 229                      | 64                      | 1170                  | 234                      | 64                      |
| Public                                                                  | University of Nebraska - Lincoln      | 1170                  | 229                      | 64                      | 1150                  | 277                      | 79                      |
| Public                                                                  | Univ. of Nebraska Medical Center      |                       |                          |                         |                       |                          |                         |
| Public                                                                  | University of Nevada - Reno           | 1065                  | 582                      | 183                     | 1055                  | 611                      | 198                     |
| Public                                                                  | Univ. of New Hampshire - Durham       | 1095                  | 440                      | 135                     | 1100                  | 427                      | 122                     |
| Public                                                                  | Univ. of New Mexico - Albuquerque     | 1030                  | 729                      | 242                     | 1030                  | 707                      | 228                     |
| Public                                                                  | Univ. of North Carolina - Chapel Hill | 1300                  | 77                       | 8                       | 1305                  | 79                       | 8                       |
| Public                                                                  | University of North Dakota            | 1090                  | 451                      | 140                     | 1090                  | 449                      | 134                     |
| Private                                                                 | University of Notre Dame              | 1440                  | 18                       | 18                      | 1460                  | 11                       | 11                      |
| Public                                                                  | University of Oklahoma - Norman       | 1190                  | 202                      | 53                      | 1190                  | 200                      | 53                      |
| Public                                                                  | University of Oklahoma HSC            |                       |                          |                         |                       |                          |                         |
| Public                                                                  | University of Oregon                  | 1108                  | 420                      | 126                     | 1105                  | 417                      | 118                     |
| Private                                                                 | University of Pennsylvania            | 1445                  | 15                       | 15                      | 1440                  | 16                       | 16                      |
| Public                                                                  | University of Pittsburgh - Pittsburgh | 1275                  | 104                      | 16                      | 1270                  | 104                      | 15                      |
| Public                                                                  | University of Rhode Island            | 1055                  | 611                      | 194                     | 1060                  | 596                      | 195                     |
| Private                                                                 | University of Rochester               | 1340                  | 63                       | 58                      | 1345                  | 56                       | 53                      |
| Public                                                                  | Univ. of South Carolina - Columbia    | 1195                  | 194                      | 49                      | 1185                  | 220                      | 57                      |
| Public                                                                  | University of South Florida - Tampa   | 1170                  | 229                      | 64                      | 1155                  | 269                      | 77                      |
| Private                                                                 | University of Southern California     | 1375                  | 43                       | 43                      | 1385                  | 41                       | 40                      |
| Public                                                                  | University of Tennessee - Knoxville   | 1205                  | 179                      | 44                      | 1205                  | 176                      | 44                      |
| Public                                                                  | University of Tennessee HSC           |                       |                          |                         |                       |                          |                         |
| Public                                                                  | University of Texas - Austin          | 1255                  | 119                      | 23                      | 1250                  | 117                      | 23                      |
| Public                                                                  | University of Texas HSC - Houston     |                       |                          |                         |                       |                          |                         |
| Public                                                                  | Univ. of Texas HSC - San Antonio      |                       |                          |                         |                       |                          |                         |
| Public                                                                  | U. of Texas MD Anderson Cancer Ctr.   |                       |                          |                         |                       |                          |                         |
| Public                                                                  | U. of Texas Med. Branch - Galveston   |                       |                          |                         |                       |                          |                         |
| Public                                                                  | U. of Texas SW Med. Center - Dallas   |                       |                          |                         |                       |                          |                         |
| Public                                                                  | University of Utah                    | 1110                  | 381                      | 112                     | 1110                  | 372                      | 107                     |

| 2010<br>Median<br>SAT | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>Median<br>SAT | 2009<br>National<br>Rank | 2009<br>Control<br>Rank | 2008<br>Median<br>SAT | 2008<br>National<br>Rank | 2008<br>Control<br>Rank |
|-----------------------|--------------------------|-------------------------|-----------------------|--------------------------|-------------------------|-----------------------|--------------------------|-------------------------|
| 1265                  | 105                      | 15                      | 1250                  | 119                      | 20                      | 1270                  | 95                       | 13                      |
| 1230                  | 140                      | 29                      | 1225                  | 143                      | 27                      | 1215                  | 154                      | 30                      |
| 1095                  | 433                      | 127                     | 1080                  | 515                      | 152                     | 1090                  | 446                      | 125                     |
| 1090                  | 447                      | 137                     | 1080                  | 515                      | 152                     | 1055                  | 599                      | 178                     |
| 1070                  | 535                      | 167                     | 1070                  | 543                      | 160                     | 1070                  | 525                      | 159                     |
| 1090                  | 447                      | 137                     | 1090                  | 452                      | 134                     | 1090                  | 446                      | 125                     |
| 1280                  | 91                       | 12                      | 1280                  | 87                       | 11                      | 1280                  | 88                       | 11                      |
| 1170                  | 232                      | 61                      | 1170                  | 235                      | 62                      | 1170                  | 223                      | 56                      |
| 1130                  | 322                      | 92                      | 1130                  | 312                      | 89                      | 1130                  | 317                      | 83                      |
|                       |                          |                         |                       |                          |                         |                       |                          |                         |
| 1150                  | 278                      | 80                      | 1130                  | 312                      | 89                      | 1110                  | 374                      | 99                      |
| 1130                  | 322                      | 92                      | 1110                  | 376                      | 105                     | 1110                  | 374                      | 99                      |
|                       |                          |                         |                       |                          |                         |                       |                          |                         |
| 1205                  | 172                      | 40                      | 1185                  | 212                      | 52                      | 1190                  | 191                      | 40                      |
| 1290                  | 84                       | 10                      | 1295                  | 77                       | 9                       | 1275                  | 92                       | 12                      |
| 1160                  | 265                      | 76                      | 1170                  | 235                      | 62                      | 1155                  | 263                      | 68                      |
|                       |                          |                         |                       |                          |                         |                       |                          |                         |
|                       |                          |                         |                       |                          |                         |                       |                          |                         |
| 1295                  | 82                       | 73                      | 1275                  | 95                       | 84                      | 1285                  | 86                       | 77                      |
| 1300                  | 75                       | 9                       | 1300                  | 72                       | 7                       | 1300                  | 77                       | 8                       |
| 1240                  | 130                      | 26                      | 1205                  | 165                      | 36                      | 1205                  | 162                      | 32                      |
| 1170                  | 232                      | 61                      | 1170                  | 235                      | 62                      | 1170                  | 223                      | 56                      |
| 1150                  | 278                      | 80                      | 1170                  | 235                      | 62                      | 1150                  | 269                      | 70                      |
|                       |                          |                         |                       |                          |                         |                       |                          |                         |
| 1045                  | 702                      | 220                     | 1058                  | 611                      | 189                     | 1050                  | 616                      | 184                     |
| 1105                  | 419                      | 123                     | 1135                  | 309                      | 87                      | 1130                  | 317                      | 83                      |
| 1030                  | 737                      | 230                     | 1030                  | 728                      | 236                     | 1030                  | 716                      | 220                     |
| 1310                  | 69                       | 6                       | 1300                  | 72                       | 7                       | 1305                  | 73                       | 6                       |
| 1050                  | 634                      | 198                     | 1050                  | 624                      | 197                     | 1090                  | 446                      | 125                     |
| 1440                  | 15                       | 15                      | 1440                  | 14                       | 14                      | 1410                  | 24                       | 24                      |
| 1190                  | 201                      | 50                      | 1190                  | 191                      | 45                      | 1170                  | 223                      | 56                      |
|                       |                          |                         |                       |                          |                         |                       |                          |                         |
| 1110                  | 375                      | 107                     | 1104                  | 425                      | 123                     | 1090                  | 446                      | 125                     |
| 1440                  | 15                       | 15                      | 1440                  | 14                       | 14                      | 1425                  | 17                       | 17                      |
| 1260                  | 107                      | 17                      | 1260                  | 105                      | 15                      | 1245                  | 125                      | 23                      |
| 1045                  | 702                      | 220                     | 1045                  | 698                      | 222                     | 1045                  | 686                      | 206                     |
| 1325                  | 62                       | 58                      | 1320                  | 61                       | 57                      | 1320                  | 63                       | 59                      |
| 1190                  | 201                      | 50                      | 1185                  | 212                      | 52                      | 1180                  | 215                      | 53                      |
| 1130                  | 322                      | 92                      | 1155                  | 274                      | 76                      | 1140                  | 304                      | 77                      |
| 1370                  | 41                       | 41                      | 1360                  | 44                       | 44                      | 1370                  | 40                       | 40                      |
| 1205                  | 172                      | 40                      | 1205                  | 165                      | 36                      | 1170                  | 223                      | 56                      |
|                       |                          |                         |                       |                          |                         |                       |                          |                         |
| 1230                  | 140                      | 29                      | 1225                  | 143                      | 27                      | 1225                  | 139                      | 28                      |
|                       |                          |                         |                       |                          |                         |                       |                          |                         |
|                       |                          |                         |                       |                          |                         |                       |                          |                         |
|                       |                          |                         |                       |                          |                         |                       |                          |                         |
|                       |                          |                         |                       |                          |                         |                       |                          |                         |
|                       |                          |                         |                       |                          |                         |                       |                          |                         |
| 1110                  | 375                      | 107                     | 1110                  | 376                      | 105                     | 1110                  | 374                      | 99                      |

| SAT Scores                                                              |                                       |                       |                          |                         |                       |                          |                         |
|-------------------------------------------------------------------------|---------------------------------------|-----------------------|--------------------------|-------------------------|-----------------------|--------------------------|-------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                       | 2012<br>Median<br>SAT | 2012<br>National<br>Rank | 2012<br>Control<br>Rank | 2011<br>Median<br>SAT | 2011<br>National<br>Rank | 2011<br>Control<br>Rank |
| Public                                                                  | University of Vermont                 | 1185                  | 216                      | 57                      | 1185                  | 220                      | 57                      |
| Public                                                                  | University of Virginia                | 1360                  | 50                       | 2                       | 1350                  | 53                       | 3                       |
| Public                                                                  | University of Washington - Seattle    | 1215                  | 167                      | 37                      | 1225                  | 145                      | 30                      |
| Public                                                                  | University of Wisconsin - Madison     | 1260                  | 111                      | 20                      | 1260                  | 110                      | 18                      |
| Public                                                                  | University of Wyoming                 | 1130                  | 322                      | 97                      | 1110                  | 372                      | 107                     |
| Public                                                                  | Utah State University                 | 1070                  | 531                      | 163                     | 1090                  | 449                      | 134                     |
| Private                                                                 | Vanderbilt University                 | 1460                  | 12                       | 12                      | 1440                  | 16                       | 16                      |
| Public                                                                  | Virginia Commonwealth University      | 1105                  | 421                      | 127                     | 1080                  | 505                      | 158                     |
| Public                                                                  | Virginia Polytechnic Inst. and St. U. | 1215                  | 167                      | 37                      | 1210                  | 169                      | 39                      |
| Private                                                                 | Wake Forest University                |                       |                          |                         |                       |                          |                         |
| Public                                                                  | Washington State Univ. - Pullman      | 1050                  | 627                      | 201                     | 1065                  | 582                      | 188                     |
| Private                                                                 | Washington University in St. Louis    | 1490                  | 7                        | 7                       | 1460                  | 11                       | 11                      |
| Public                                                                  | Wayne State University                | 1030                  | 729                      | 242                     | 1010                  | 831                      | 277                     |
| Private                                                                 | Weill Cornell Medical College         |                       |                          |                         |                       |                          |                         |
| Public                                                                  | West Virginia University              | 1055                  | 611                      | 194                     | 1090                  | 449                      | 134                     |
| Private                                                                 | Woods Hole Oceanographic Inst.        |                       |                          |                         |                       |                          |                         |
| Private                                                                 | Yale University                       | 1495                  | 4                        | 4                       | 1500                  | 2                        | 2                       |
| Private                                                                 | Yeshiva University                    | 1220                  | 152                      | 118                     | 1225                  | 145                      | 116                     |

| 2010<br>Median<br>SAT | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>Median<br>SAT | 2009<br>National<br>Rank | 2009<br>Control<br>Rank | 2008<br>Median<br>SAT | 2008<br>National<br>Rank | 2008<br>Control<br>Rank |
|-----------------------|--------------------------|-------------------------|-----------------------|--------------------------|-------------------------|-----------------------|--------------------------|-------------------------|
| 1183                  | 223                      | 56                      | 1185                  | 212                      | 52                      | 1190                  | 191                      | 40                      |
| 1335                  | 59                       | 3                       | 1335                  | 55                       | 2                       | 1330                  | 58                       | 2                       |
| 1215                  | 159                      | 36                      | 1215                  | 153                      | 31                      | 1195                  | 184                      | 37                      |
| 1260                  | 107                      | 17                      | 1260                  | 105                      | 15                      | 1260                  | 103                      | 16                      |
| 1110                  | 375                      | 107                     | 1110                  | 376                      | 105                     | 1090                  | 446                      | 125                     |
| 1110                  | 375                      | 107                     | 1110                  | 376                      | 105                     | 1090                  | 446                      | 125                     |
| 1420                  | 23                       | 23                      | 1420                  | 24                       | 24                      | 1415                  | 23                       | 23                      |
| 1095                  | 433                      | 127                     | 1085                  | 499                      | 146                     | 1080                  | 503                      | 148                     |
| 1220                  | 147                      | 32                      | 1210                  | 157                      | 34                      | 1205                  | 162                      | 32                      |
|                       |                          |                         |                       |                          |                         |                       |                          |                         |
| 1085                  | 497                      | 154                     | 1085                  | 499                      | 146                     | 1110                  | 374                      | 99                      |
| 1465                  | 9                        | 9                       | 1460                  | 10                       | 10                      | 1460                  | 9                        | 9                       |
| 970                   | 1072                     | 377                     | 950                   | 1150                     | 416                     | 950                   | 1132                     | 408                     |
|                       |                          |                         |                       |                          |                         |                       |                          |                         |
| 1070                  | 535                      | 167                     | 1090                  | 452                      | 134                     | 1090                  | 446                      | 125                     |
|                       |                          |                         |                       |                          |                         |                       |                          |                         |
| 1490                  | 2                        | 2                       | 1490                  | 2                        | 2                       | 1495                  | 3                        | 3                       |
| 1218                  | 158                      | 123                     | 1210                  | 157                      | 124                     | 1210                  | 157                      | 127                     |

| National Merit and Achievement Scholars                                 |                                       |                            |                          |                         |                            |                          |                         |
|-------------------------------------------------------------------------|---------------------------------------|----------------------------|--------------------------|-------------------------|----------------------------|--------------------------|-------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                       | 2013<br>National<br>Merits | 2013<br>National<br>Rank | 2013<br>Control<br>Rank | 2012<br>National<br>Merits | 2012<br>National<br>Rank | 2012<br>Control<br>Rank |
| Public                                                                  | Arizona State University - Tempe      | 120                        | 19                       | 6                       | 99                         | 24                       | 8                       |
| Public                                                                  | Auburn University                     | 70                         | 33                       | 13                      | 62                         | 39                       | 18                      |
| Private                                                                 | Baylor College of Medicine            |                            |                          |                         |                            |                          |                         |
| Private                                                                 | Boston University                     | 34                         | 59                       | 31                      | 44                         | 52                       | 29                      |
| Private                                                                 | Brandeis University                   | 17                         | 100                      | 52                      | 7                          | 156                      | 86                      |
| Private                                                                 | Brown University                      | 101                        | 22                       | 15                      | 101                        | 23                       | 16                      |
| Private                                                                 | California Institute of Technology    | 43                         | 51                       | 30                      | 51                         | 47                       | 26                      |
| Private                                                                 | Carnegie Mellon University            | 32                         | 64                       | 34                      | 38                         | 61                       | 35                      |
| Private                                                                 | Case Western Reserve University       | 66                         | 37                       | 23                      | 59                         | 41                       | 22                      |
| Public                                                                  | Clemson University                    | 39                         | 55                       | 25                      | 43                         | 54                       | 24                      |
| Public                                                                  | Cleveland State University            | 0                          | 355                      | 147                     | 0                          | 369                      | 144                     |
| Private                                                                 | Cold Springs Harbor Laboratory        |                            |                          |                         |                            |                          |                         |
| Public                                                                  | Colorado State Univ. - Fort Collins   | 9                          | 137                      | 60                      | 6                          | 166                      | 74                      |
| Private                                                                 | Columbia University                   | 103                        | 21                       | 14                      | 128                        | 20                       | 14                      |
| Private                                                                 | Cornell University                    | 87                         | 26                       | 16                      | 66                         | 33                       | 20                      |
| Private                                                                 | Dartmouth College                     | 70                         | 33                       | 21                      | 79                         | 28                       | 18                      |
| Private                                                                 | Drexel University                     | 4                          | 187                      | 103                     | 5                          | 178                      | 101                     |
| Private                                                                 | Duke University                       | 167                        | 13                       | 11                      | 135                        | 19                       | 13                      |
| Private                                                                 | Emory University                      | 53                         | 47                       | 28                      | 53                         | 45                       | 25                      |
| Public                                                                  | Florida International University      | 2                          | 229                      | 96                      | 1                          | 257                      | 107                     |
| Public                                                                  | Florida State University              | 16                         | 105                      | 51                      | 14                         | 112                      | 52                      |
| Public                                                                  | George Mason University               | 1                          | 258                      | 108                     | 1                          | 257                      | 107                     |
| Private                                                                 | George Washington University          | 17                         | 100                      | 52                      | 19                         | 94                       | 51                      |
| Private                                                                 | Georgetown University                 | 28                         | 74                       | 40                      | 39                         | 59                       | 33                      |
| Public                                                                  | Georgia Health Sciences University    |                            |                          |                         |                            |                          |                         |
| Public                                                                  | Georgia Institute of Technology       | 176                        | 11                       | 1                       | 127                        | 21                       | 7                       |
| Private                                                                 | Harvard University                    | 321                        | 2                        | 2                       | 322                        | 1                        | 1                       |
| Private                                                                 | Icahn School of Med. at Mount Sinai   |                            |                          |                         |                            |                          |                         |
| Public                                                                  | Indiana University - Bloomington      | 67                         | 36                       | 14                      | 65                         | 35                       | 15                      |
| Public                                                                  | Indiana U. - Purdue U. - Indianapolis |                            |                          |                         |                            |                          |                         |
| Public                                                                  | Iowa State University                 | 38                         | 58                       | 28                      | 36                         | 66                       | 30                      |
| Private                                                                 | Johns Hopkins University              | 33                         | 62                       | 33                      | 32                         | 71                       | 39                      |
| Public                                                                  | Kansas State University               | 8                          | 146                      | 64                      | 12                         | 120                      | 55                      |
| Public                                                                  | Louisiana State Univ. - Baton Rouge   | 43                         | 51                       | 22                      | 38                         | 61                       | 27                      |
| Public                                                                  | Louisiana St. U. HSC - New Orleans    |                            |                          |                         |                            |                          |                         |
| Private                                                                 | Massachusetts Inst. of Technology     | 212                        | 9                        | 9                       | 191                        | 12                       | 10                      |
| Private                                                                 | Medical College of Wisconsin          |                            |                          |                         |                            |                          |                         |
| Public                                                                  | Medical University of South Carolina  |                            |                          |                         |                            |                          |                         |
| Public                                                                  | Michigan State University             | 39                         | 55                       | 25                      | 40                         | 58                       | 26                      |
| Public                                                                  | Mississippi State University          | 32                         | 64                       | 31                      | 17                         | 101                      | 46                      |
| Public                                                                  | Montana State University - Bozeman    | 10                         | 130                      | 57                      | 11                         | 131                      | 63                      |
| Public                                                                  | Naval Postgraduate School             |                            |                          |                         |                            |                          |                         |
| Public                                                                  | New Jersey Institute of Technology    | 1                          | 258                      | 108                     | 0                          | 369                      | 144                     |
| Public                                                                  | New Mexico State Univ. - Las Cruces   | 1                          | 258                      | 108                     | 0                          | 369                      | 144                     |
| Private                                                                 | New York University                   | 26                         | 80                       | 43                      | 28                         | 76                       | 42                      |
| Public                                                                  | North Carolina State University       | 10                         | 130                      | 57                      | 12                         | 120                      | 55                      |
| Public                                                                  | North Dakota State University         | 8                          | 146                      | 64                      | 6                          | 166                      | 74                      |
| Private                                                                 | Northeastern University               | 151                        | 16                       | 13                      | 105                        | 22                       | 15                      |
| Private                                                                 | Northwestern University               | 259                        | 4                        | 4                       | 240                        | 7                        | 6                       |

| 2011<br>National<br>Merits | 2011<br>National<br>Rank | 2011<br>Control<br>Rank | 2010<br>National<br>Merits | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>National<br>Merits | 2009<br>National<br>Rank | 2009<br>Control<br>Rank |
|----------------------------|--------------------------|-------------------------|----------------------------|--------------------------|-------------------------|----------------------------|--------------------------|-------------------------|
| 125                        | 21                       | 9                       | 104                        | 22                       | 8                       | 164                        | 16                       | 6                       |
| 198                        | 10                       | 2                       | 145                        | 16                       | 5                       | 66                         | 38                       | 16                      |
|                            |                          |                         |                            |                          |                         |                            |                          |                         |
| 30                         | 74                       | 41                      | 42                         | 55                       | 32                      | 32                         | 70                       | 39                      |
| 14                         | 118                      | 64                      | 11                         | 140                      | 77                      | 14                         | 119                      | 67                      |
| 106                        | 25                       | 16                      | 97                         | 25                       | 15                      | 102                        | 26                       | 16                      |
| 36                         | 62                       | 34                      | 42                         | 55                       | 32                      | 43                         | 53                       | 31                      |
| 36                         | 62                       | 34                      | 27                         | 80                       | 47                      | 29                         | 74                       | 42                      |
| 25                         | 84                       | 46                      | 39                         | 61                       | 34                      | 37                         | 66                       | 37                      |
| 39                         | 58                       | 26                      | 40                         | 60                       | 27                      | 39                         | 59                       | 27                      |
| 1                          | 271                      | 112                     | 2                          | 240                      | 95                      | 0                          | 394                      | 160                     |
|                            |                          |                         |                            |                          |                         |                            |                          |                         |
| 9                          | 147                      | 65                      | 3                          | 224                      | 88                      | 9                          | 155                      | 68                      |
| 111                        | 24                       | 15                      | 87                         | 27                       | 17                      | 109                        | 24                       | 15                      |
| 86                         | 30                       | 18                      | 61                         | 40                       | 24                      | 84                         | 31                       | 18                      |
| 75                         | 36                       | 23                      | 95                         | 26                       | 16                      | 79                         | 33                       | 19                      |
| 5                          | 177                      | 102                     | 5                          | 186                      | 111                     | 2                          | 238                      | 145                     |
| 112                        | 23                       | 14                      | 124                        | 20                       | 13                      | 130                        | 19                       | 13                      |
| 55                         | 40                       | 24                      | 80                         | 29                       | 18                      | 64                         | 39                       | 23                      |
| 1                          | 271                      | 112                     | 0                          | 395                      | 156                     | 0                          | 394                      | 160                     |
| 28                         | 80                       | 37                      | 21                         | 99                       | 44                      | 25                         | 84                       | 36                      |
| 1                          | 271                      | 112                     | 0                          | 395                      | 156                     | 2                          | 238                      | 94                      |
| 12                         | 132                      | 72                      | 20                         | 102                      | 56                      | 19                         | 102                      | 54                      |
| 35                         | 66                       | 36                      | 33                         | 67                       | 39                      | 47                         | 50                       | 28                      |
|                            |                          |                         |                            |                          |                         |                            |                          |                         |
| 136                        | 20                       | 8                       | 132                        | 19                       | 7                       | 119                        | 22                       | 8                       |
| 307                        | 1                        | 1                       | 325                        | 1                        | 1                       | 327                        | 1                        | 1                       |
|                            |                          |                         |                            |                          |                         |                            |                          |                         |
| 87                         | 29                       | 12                      | 63                         | 38                       | 16                      | 87                         | 29                       | 13                      |
|                            |                          |                         |                            |                          |                         |                            |                          |                         |
| 34                         | 69                       | 32                      | 48                         | 50                       | 21                      | 42                         | 54                       | 23                      |
| 4                          | 69                       | 38                      | 32                         | 71                       | 41                      | 28                         | 76                       | 44                      |
| 6                          | 164                      | 73                      | 12                         | 134                      | 61                      | 8                          | 164                      | 73                      |
| 36                         | 62                       | 29                      | 42                         | 55                       | 24                      | 42                         | 54                       | 23                      |
|                            |                          |                         |                            |                          |                         |                            |                          |                         |
| 160                        | 19                       | 12                      | 166                        | 15                       | 11                      | 143                        | 18                       | 12                      |
|                            |                          |                         |                            |                          |                         |                            |                          |                         |
|                            |                          |                         |                            |                          |                         |                            |                          |                         |
| 37                         | 60                       | 28                      | 42                         | 55                       | 24                      | 56                         | 45                       | 20                      |
| 13                         | 125                      | 59                      | 21                         | 99                       | 44                      | 21                         | 93                       | 42                      |
| 10                         | 143                      | 64                      | 7                          | 163                      | 71                      | 8                          | 164                      | 73                      |
|                            |                          |                         |                            |                          |                         |                            |                          |                         |
| 0                          | 386                      | 160                     | 1                          | 270                      | 109                     | 0                          | 394                      | 160                     |
| 1                          | 271                      | 112                     | 0                          | 395                      | 156                     | 1                          | 276                      | 111                     |
| 113                        | 22                       | 13                      | 106                        | 21                       | 14                      | 121                        | 21                       | 14                      |
| 6                          | 164                      | 73                      | 5                          | 186                      | 76                      | 11                         | 141                      | 62                      |
| 6                          | 164                      | 73                      | 7                          | 163                      | 71                      | 9                          | 155                      | 68                      |
| 102                        | 26                       | 17                      | 67                         | 35                       | 20                      | 45                         | 51                       | 29                      |
| 247                        | 4                        | 4                       | 241                        | 5                        | 5                       | 257                        | 3                        | 3                       |

| National Merit and Achievement Scholars                                 |                                        |                            |                          |                         |                            |                          |                         |
|-------------------------------------------------------------------------|----------------------------------------|----------------------------|--------------------------|-------------------------|----------------------------|--------------------------|-------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                        | 2013<br>National<br>Merits | 2013<br>National<br>Rank | 2013<br>Control<br>Rank | 2012<br>National<br>Merits | 2012<br>National<br>Rank | 2012<br>Control<br>Rank |
| Public                                                                  | Ohio State University - Columbus       | 22                         | 87                       | 42                      | 62                         | 39                       | 18                      |
| Public                                                                  | Oklahoma State Univ. - Stillwater      | 31                         | 67                       | 32                      | 19                         | 94                       | 44                      |
| Public                                                                  | Oregon Health & Science University     |                            |                          |                         |                            |                          |                         |
| Public                                                                  | Oregon State University                | 5                          | 173                      | 79                      | 11                         | 131                      | 63                      |
| Public                                                                  | Penn. St. U. - Hershey Med. Ctr.       |                            |                          |                         |                            |                          |                         |
| Public                                                                  | Pennsylvania State Univ. - Univ. Park  | 16                         | 105                      | 51                      | 23                         | 84                       | 39                      |
| Private                                                                 | Princeton University                   | 192                        | 10                       | 10                      | 216                        | 9                        | 8                       |
| Public                                                                  | Purdue University - West Lafayette     | 20                         | 93                       | 45                      | 16                         | 103                      | 48                      |
| Private                                                                 | Rensselaer Polytechnic Institute       | 29                         | 71                       | 38                      | 21                         | 87                       | 47                      |
| Private                                                                 | Rice University                        | 74                         | 29                       | 19                      | 162                        | 13                       | 11                      |
| Private                                                                 | Rockefeller University                 |                            |                          |                         |                            |                          |                         |
| Private                                                                 | Rush University                        |                            |                          |                         |                            |                          |                         |
| Public                                                                  | Rutgers University - New Brunswick     | 24                         | 85                       | 40                      | 24                         | 83                       | 38                      |
| Public                                                                  | San Diego State University             | 0                          | 355                      | 147                     | 0                          | 369                      | 144                     |
| Private                                                                 | Scripps Research Institute             |                            |                          |                         |                            |                          |                         |
| Public                                                                  | South Dakota State University          | 2                          | 229                      | 96                      | 3                          | 213                      | 91                      |
| Private                                                                 | Stanford University                    | 219                        | 8                        | 8                       | 242                        | 6                        | 5                       |
| Public                                                                  | Stony Brook University                 | 14                         | 114                      | 55                      | 12                         | 120                      | 55                      |
| Public                                                                  | Temple University                      | 0                          | 355                      | 147                     | 0                          | 369                      | 144                     |
| Public                                                                  | Texas A&M Univ. - College Station      | 158                        | 14                       | 3                       | 137                        | 18                       | 6                       |
| Private                                                                 | Thomas Jefferson University            |                            |                          |                         |                            |                          |                         |
| Private                                                                 | Tufts University                       | 69                         | 35                       | 22                      | 51                         | 47                       | 26                      |
| Private                                                                 | Tulane University                      | 30                         | 69                       | 37                      | 39                         | 59                       | 33                      |
| Public                                                                  | Uniformed Services Univ. of the HS     |                            |                          |                         |                            |                          |                         |
| Public                                                                  | University at Albany                   | 0                          | 355                      | 147                     | 0                          | 369                      | 144                     |
| Public                                                                  | University at Buffalo                  | 1                          | 258                      | 108                     | 1                          | 257                      | 107                     |
| Public                                                                  | University of Alabama - Birmingham     | 27                         | 77                       | 36                      | 12                         | 120                      | 55                      |
| Public                                                                  | University of Alabama - Huntsville     | 2                          | 229                      | 96                      | 1                          | 257                      | 107                     |
| Public                                                                  | University of Alaska - Fairbanks       | 0                          | 355                      | 147                     | 0                          | 369                      | 144                     |
| Public                                                                  | University of Arizona                  | 72                         | 31                       | 12                      | 85                         | 26                       | 10                      |
| Public                                                                  | Univ. of Arkansas for Med. Sciences    |                            |                          |                         |                            |                          |                         |
| Public                                                                  | University of California - Berkeley    | 111                        | 20                       | 7                       | 92                         | 25                       | 9                       |
| Public                                                                  | University of California - Davis       | 3                          | 204                      | 90                      | 2                          | 231                      | 97                      |
| Public                                                                  | University of California - Irvine      | 0                          | 355                      | 147                     | 2                          | 231                      | 97                      |
| Public                                                                  | University of California - Los Angeles | 18                         | 98                       | 48                      | 27                         | 78                       | 35                      |
| Public                                                                  | University of California - Riverside   | 0                          | 355                      | 147                     | 0                          | 369                      | 144                     |
| Public                                                                  | University of California - San Diego   | 15                         | 110                      | 54                      | 12                         | 120                      | 55                      |
| Public                                                                  | Univ. of California - San Francisco    |                            |                          |                         |                            |                          |                         |
| Public                                                                  | Univ. of California - Santa Barbara    | 1                          | 258                      | 108                     | 4                          | 188                      | 83                      |
| Public                                                                  | University of California - Santa Cruz  | 1                          | 258                      | 108                     | 0                          | 369                      | 144                     |
| Public                                                                  | University of Central Florida          | 64                         | 38                       | 15                      | 68                         | 32                       | 13                      |
| Private                                                                 | University of Chicago                  | 333                        | 1                        | 1                       | 316                        | 2                        | 2                       |
| Public                                                                  | University of Cincinnati - Cincinnati  | 30                         | 69                       | 33                      | 38                         | 61                       | 27                      |
| Public                                                                  | University of Colorado - Boulder       | 6                          | 160                      | 72                      | 6                          | 166                      | 74                      |
| Public                                                                  | University of Colorado - Denver        | 0                          | 355                      | 147                     | 0                          | 369                      | 144                     |
| Public                                                                  | Univ. of Connecticut - Health Center   |                            |                          |                         |                            |                          |                         |
| Public                                                                  | University of Connecticut - Storrs     | 5                          | 173                      | 79                      | 1                          | 257                      | 107                     |
| Private                                                                 | University of Dayton                   | 2                          | 229                      | 134                     | 4                          | 188                      | 106                     |
| Public                                                                  | University of Delaware                 | 2                          | 229                      | 96                      | 2                          | 231                      | 97                      |

| 2011<br>National<br>Merits | 2011<br>National<br>Rank | 2011<br>Control<br>Rank | 2010<br>National<br>Merits | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>National<br>Merits | 2009<br>National<br>Rank | 2009<br>Control<br>Rank |
|----------------------------|--------------------------|-------------------------|----------------------------|--------------------------|-------------------------|----------------------------|--------------------------|-------------------------|
| 92                         | 27                       | 10                      | 100                        | 24                       | 10                      | 122                        | 20                       | 7                       |
| 30                         | 74                       | 34                      | 31                         | 73                       | 31                      | 13                         | 125                      | 54                      |
|                            |                          |                         |                            |                          |                         |                            |                          |                         |
| 9                          | 147                      | 65                      | 17                         | 111                      | 50                      | 8                          | 164                      | 73                      |
|                            |                          |                         |                            |                          |                         |                            |                          |                         |
| 26                         | 83                       | 38                      | 17                         | 111                      | 50                      | 25                         | 84                       | 36                      |
| 190                        | 12                       | 9                       | 228                        | 8                        | 7                       | 246                        | 5                        | 4                       |
| 22                         | 88                       | 42                      | 16                         | 115                      | 53                      | 9                          | 155                      | 68                      |
| 18                         | 104                      | 55                      | 23                         | 95                       | 53                      | 21                         | 93                       | 52                      |
| 178                        | 13                       | 10                      | 177                        | 12                       | 10                      | 183                        | 13                       | 9                       |
|                            |                          |                         |                            |                          |                         |                            |                          |                         |
|                            |                          |                         |                            |                          |                         |                            |                          |                         |
| 35                         | 66                       | 31                      | 25                         | 86                       | 38                      | 21                         | 93                       | 42                      |
| 0                          | 386                      | 160                     | 1                          | 270                      | 109                     | 0                          | 394                      | 160                     |
|                            |                          |                         |                            |                          |                         |                            |                          |                         |
| 4                          | 189                      | 81                      | 2                          | 240                      | 95                      | 2                          | 238                      | 94                      |
| 201                        | 9                        | 8                       | 205                        | 9                        | 8                       | 177                        | 15                       | 10                      |
| 4                          | 189                      | 81                      | 12                         | 134                      | 61                      | 6                          | 188                      | 78                      |
| 1                          | 271                      | 112                     | 2                          | 240                      | 95                      | 1                          | 276                      | 111                     |
| 163                        | 18                       | 7                       | 180                        | 11                       | 2                       | 192                        | 12                       | 4                       |
|                            |                          |                         |                            |                          |                         |                            |                          |                         |
| 81                         | 34                       | 22                      | 64                         | 37                       | 22                      | 55                         | 46                       | 26                      |
| 43                         | 50                       | 29                      | 46                         | 51                       | 30                      | 39                         | 59                       | 33                      |
|                            |                          |                         |                            |                          |                         |                            |                          |                         |
| 0                          | 386                      | 160                     | 0                          | 395                      | 156                     | 1                          | 276                      | 111                     |
| 2                          | 231                      | 96                      | 1                          | 270                      | 109                     | 1                          | 276                      | 111                     |
| 15                         | 113                      | 52                      | 16                         | 115                      | 53                      | 10                         | 148                      | 64                      |
| 1                          | 271                      | 112                     | 1                          | 270                      | 109                     | 0                          | 394                      | 160                     |
| 0                          | 386                      | 160                     | 0                          | 395                      | 156                     | 1                          | 276                      | 111                     |
| 90                         | 28                       | 11                      | 68                         | 34                       | 15                      | 81                         | 32                       | 14                      |
|                            |                          |                         |                            |                          |                         |                            |                          |                         |
| 74                         | 37                       | 14                      | 86                         | 28                       | 11                      | 94                         | 28                       | 12                      |
| 1                          | 271                      | 112                     | 2                          | 240                      | 95                      | 2                          | 238                      | 94                      |
| 1                          | 271                      | 112                     | 1                          | 270                      | 109                     | 0                          | 394                      | 160                     |
| 36                         | 62                       | 29                      | 24                         | 91                       | 41                      | 25                         | 84                       | 36                      |
| 1                          | 271                      | 112                     | 0                          | 395                      | 156                     | 0                          | 394                      | 160                     |
| 14                         | 118                      | 55                      | 13                         | 127                      | 58                      | 15                         | 114                      | 51                      |
|                            |                          |                         |                            |                          |                         |                            |                          |                         |
| 0                          | 386                      | 160                     | 0                          | 395                      | 156                     | 3                          | 215                      | 86                      |
| 0                          | 386                      | 160                     | 0                          | 395                      | 156                     | 2                          | 238                      | 94                      |
| 76                         | 35                       | 13                      | 49                         | 49                       | 20                      | 57                         | 43                       | 19                      |
| 265                        | 2                        | 2                       | 274                        | 2                        | 2                       | 218                        | 8                        | 7                       |
| 42                         | 52                       | 22                      | 41                         | 59                       | 26                      | 26                         | 82                       | 35                      |
| 8                          | 152                      | 68                      | 3                          | 224                      | 88                      | 9                          | 155                      | 68                      |
| 0                          | 386                      | 160                     | 0                          | 395                      | 156                     | 0                          | 394                      | 160                     |
|                            |                          |                         |                            |                          |                         |                            |                          |                         |
| 3                          | 211                      | 88                      | 6                          | 179                      | 74                      | 5                          | 194                      | 81                      |
| 5                          | 177                      | 102                     | 4                          | 199                      | 120                     | 8                          | 164                      | 92                      |
| 5                          | 177                      | 76                      | 1                          | 270                      | 109                     | 13                         | 125                      | 54                      |

| National Merit and Achievement Scholars                                 |                                       |                            |                          |                         |                            |                          |                         |
|-------------------------------------------------------------------------|---------------------------------------|----------------------------|--------------------------|-------------------------|----------------------------|--------------------------|-------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                       | 2013<br>National<br>Merits | 2013<br>National<br>Rank | 2013<br>Control<br>Rank | 2012<br>National<br>Merits | 2012<br>National<br>Rank | 2012<br>Control<br>Rank |
| Public                                                                  | University of Florida                 | 23                         | 86                       | 41                      | 147                        | 15                       | 3                       |
| Public                                                                  | University of Georgia                 | 61                         | 43                       | 19                      | 56                         | 43                       | 20                      |
| Public                                                                  | University of Hawaii - Manoa          | 0                          | 355                      | 147                     | 0                          | 369                      | 144                     |
| Public                                                                  | University of Houston - Univ. Park    | 26                         | 80                       | 38                      | 30                         | 74                       | 33                      |
| Public                                                                  | University of Idaho                   | 25                         | 84                       | 39                      | 12                         | 120                      | 55                      |
| Public                                                                  | University of Illinois - Chicago      | 3                          | 204                      | 90                      | 3                          | 213                      | 91                      |
| Public                                                                  | Univ. of Illinois - Urbana-Champaign  | 88                         | 25                       | 10                      | 70                         | 31                       | 12                      |
| Public                                                                  | University of Iowa                    | 16                         | 105                      | 51                      | 23                         | 84                       | 39                      |
| Public                                                                  | University of Kansas - Lawrence       | 28                         | 74                       | 35                      | 37                         | 65                       | 29                      |
| Public                                                                  | University of Kansas Medical Center   |                            |                          |                         |                            |                          |                         |
| Public                                                                  | University of Kentucky                | 97                         | 23                       | 8                       | 71                         | 30                       | 11                      |
| Public                                                                  | University of Louisville              | 17                         | 100                      | 49                      | 19                         | 94                       | 44                      |
| Public                                                                  | University of Maryland - Baltimore    |                            |                          |                         |                            |                          |                         |
| Public                                                                  | Univ. of Maryland - Baltimore County  | 9                          | 137                      | 60                      | 5                          | 178                      | 78                      |
| Public                                                                  | University of Maryland - College Park | 62                         | 40                       | 17                      | 66                         | 33                       | 14                      |
| Public                                                                  | Univ. of Massachusetts - Amherst      | 1                          | 258                      | 108                     | 1                          | 257                      | 107                     |
| Public                                                                  | Univ. of Mass. Med. Sch. - Worcester  |                            |                          |                         |                            |                          |                         |
| Public                                                                  | Univ. of Medicine & Dentistry of NJ   |                            |                          |                         |                            |                          |                         |
| Private                                                                 | University of Miami                   | 62                         | 40                       | 24                      | 41                         | 56                       | 32                      |
| Public                                                                  | University of Michigan - Ann Arbor    | 63                         | 39                       | 16                      | 53                         | 45                       | 21                      |
| Public                                                                  | University of Minnesota - Twin Cities | 135                        | 17                       | 4                       | 143                        | 17                       | 5                       |
| Public                                                                  | University of Missouri - Columbia     | 12                         | 122                      | 56                      | 29                         | 75                       | 34                      |
| Public                                                                  | University of Nebraska - Lincoln      | 51                         | 48                       | 20                      | 46                         | 50                       | 22                      |
| Public                                                                  | Univ. of Nebraska Medical Center      |                            |                          |                         |                            |                          |                         |
| Public                                                                  | University of Nevada - Reno           | 8                          | 146                      | 64                      | 16                         | 103                      | 48                      |
| Public                                                                  | Univ. of New Hampshire - Durham       | 0                          | 355                      | 147                     | 0                          | 369                      | 144                     |
| Public                                                                  | Univ. of New Mexico - Albuquerque     | 21                         | 89                       | 43                      | 16                         | 103                      | 48                      |
| Public                                                                  | Univ. of North Carolina - Chapel Hill | 47                         | 50                       | 21                      | 147                        | 15                       | 3                       |
| Public                                                                  | University of North Dakota            | 6                          | 160                      | 72                      | 4                          | 188                      | 83                      |
| Private                                                                 | University of Notre Dame              | 56                         | 45                       | 26                      | 57                         | 42                       | 23                      |
| Public                                                                  | University of Oklahoma - Norman       | 176                        | 11                       | 1                       | 196                        | 11                       | 2                       |
| Public                                                                  | University of Oklahoma HSC            |                            |                          |                         |                            |                          |                         |
| Public                                                                  | University of Oregon                  | 10                         | 130                      | 57                      | 8                          | 147                      | 68                      |
| Private                                                                 | University of Pennsylvania            | 152                        | 15                       | 12                      | 153                        | 14                       | 12                      |
| Public                                                                  | University of Pittsburgh - Pittsburgh | 29                         | 71                       | 34                      | 27                         | 78                       | 35                      |
| Public                                                                  | University of Rhode Island            | 0                          | 355                      | 147                     | 0                          | 369                      | 144                     |
| Private                                                                 | University of Rochester               | 26                         | 80                       | 43                      | 31                         | 72                       | 40                      |
| Public                                                                  | Univ. of South Carolina - Columbia    | 62                         | 40                       | 17                      | 46                         | 50                       | 22                      |
| Public                                                                  | University of South Florida - Tampa   | 8                          | 146                      | 64                      | 25                         | 82                       | 37                      |
| Private                                                                 | University of Southern California     | 250                        | 5                        | 5                       | 270                        | 3                        | 3                       |
| Public                                                                  | University of Tennessee - Knoxville   | 41                         | 54                       | 24                      | 21                         | 87                       | 41                      |
| Public                                                                  | University of Tennessee HSC           |                            |                          |                         |                            |                          |                         |
| Public                                                                  | University of Texas - Austin          | 74                         | 29                       | 11                      | 63                         | 38                       | 17                      |
| Public                                                                  | University of Texas HSC - Houston     |                            |                          |                         |                            |                          |                         |
| Public                                                                  | Univ. of Texas HSC - San Antonio      |                            |                          |                         |                            |                          |                         |
| Public                                                                  | U. of Texas MD Anderson Cancer Ctr.   |                            |                          |                         |                            |                          |                         |
| Public                                                                  | U. of Texas Med. Branch - Galveston   |                            |                          |                         |                            |                          |                         |
| Public                                                                  | U. of Texas SW Medical Ctr. - Dallas  |                            |                          |                         |                            |                          |                         |
| Public                                                                  | University of Utah                    | 33                         | 62                       | 30                      | 21                         | 87                       | 41                      |

| 2011<br>National<br>Merits | 2011<br>National<br>Rank | 2011<br>Control<br>Rank | 2010<br>National<br>Merits | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>National<br>Merits | 2009<br>National<br>Rank | 2009<br>Control<br>Rank |
|----------------------------|--------------------------|-------------------------|----------------------------|--------------------------|-------------------------|----------------------------|--------------------------|-------------------------|
| 166                        | 16                       | 6                       | 169                        | 14                       | 4                       | 180                        | 14                       | 5                       |
| 40                         | 57                       | 25                      | 50                         | 47                       | 18                      | 69                         | 36                       | 15                      |
| 1                          | 271                      | 112                     | 1                          | 270                      | 109                     | 0                          | 394                      | 160                     |
| 21                         | 89                       | 43                      | 16                         | 115                      | 53                      | 13                         | 125                      | 54                      |
| 17                         | 105                      | 50                      | 22                         | 98                       | 43                      | 21                         | 93                       | 42                      |
| 4                          | 189                      | 81                      | 4                          | 199                      | 80                      | 1                          | 276                      | 111                     |
| 69                         | 38                       | 15                      | 72                         | 31                       | 12                      | 98                         | 27                       | 11                      |
| 25                         | 84                       | 39                      | 26                         | 83                       | 36                      | 22                         | 90                       | 40                      |
| 38                         | 59                       | 27                      | 33                         | 67                       | 29                      | 50                         | 48                       | 21                      |
|                            |                          |                         |                            |                          |                         |                            |                          |                         |
| 30                         | 74                       | 34                      | 33                         | 67                       | 29                      | 28                         | 76                       | 33                      |
| 23                         | 87                       | 41                      | 13                         | 127                      | 58                      | 23                         | 88                       | 39                      |
|                            |                          |                         |                            |                          |                         |                            |                          |                         |
| 8                          | 152                      | 68                      | 5                          | 186                      | 76                      | 2                          | 238                      | 94                      |
| 64                         | 39                       | 16                      | 70                         | 33                       | 14                      | 62                         | 41                       | 18                      |
| 2                          | 231                      | 96                      | 0                          | 395                      | 156                     | 1                          | 276                      | 111                     |
|                            |                          |                         |                            |                          |                         |                            |                          |                         |
|                            |                          |                         |                            |                          |                         |                            |                          |                         |
| 49                         | 44                       | 26                      | 36                         | 63                       | 35                      | 39                         | 59                       | 33                      |
| 48                         | 45                       | 19                      | 71                         | 32                       | 13                      | 64                         | 39                       | 17                      |
| 168                        | 14                       | 4                       | 101                        | 23                       | 9                       | 113                        | 23                       | 9                       |
| 25                         | 84                       | 39                      | 26                         | 83                       | 36                      | 21                         | 93                       | 42                      |
| 44                         | 49                       | 21                      | 46                         | 51                       | 22                      | 50                         | 48                       | 21                      |
|                            |                          |                         |                            |                          |                         |                            |                          |                         |
| 11                         | 137                      | 62                      | 10                         | 147                      | 65                      | 9                          | 155                      | 68                      |
| 1                          | 271                      | 112                     | 1                          | 270                      | 109                     | 0                          | 394                      | 160                     |
| 11                         | 137                      | 62                      | 19                         | 105                      | 47                      | 2                          | 238                      | 94                      |
| 168                        | 14                       | 4                       | 170                        | 13                       | 3                       | 193                        | 11                       | 3                       |
| 2                          | 231                      | 96                      | 7                          | 163                      | 71                      | 5                          | 194                      | 81                      |
| 54                         | 41                       | 25                      | 55                         | 44                       | 28                      | 57                         | 43                       | 25                      |
| 207                        | 8                        | 1                       | 232                        | 7                        | 1                       | 199                        | 9                        | 2                       |
|                            |                          |                         |                            |                          |                         |                            |                          |                         |
| 14                         | 118                      | 55                      | 11                         | 140                      | 64                      | 13                         | 125                      | 54                      |
| 165                        | 17                       | 11                      | 138                        | 18                       | 12                      | 148                        | 17                       | 11                      |
| 30                         | 74                       | 34                      | 28                         | 78                       | 33                      | 28                         | 76                       | 33                      |
| 1                          | 271                      | 112                     | 0                          | 395                      | 156                     | 0                          | 394                      | 160                     |
| 37                         | 60                       | 33                      | 46                         | 51                       | 30                      | 23                         | 88                       | 50                      |
| 48                         | 45                       | 19                      | 46                         | 51                       | 22                      | 40                         | 58                       | 26                      |
| 20                         | 94                       | 46                      | 15                         | 121                      | 56                      | 21                         | 93                       | 42                      |
| 260                        | 3                        | 3                       | 256                        | 4                        | 4                       | 233                        | 7                        | 6                       |
| 20                         | 94                       | 46                      | 19                         | 105                      | 47                      | 39                         | 59                       | 27                      |
|                            |                          |                         |                            |                          |                         |                            |                          |                         |
| 53                         | 43                       | 18                      | 54                         | 45                       | 17                      | 249                        | 4                        | 1                       |
|                            |                          |                         |                            |                          |                         |                            |                          |                         |
|                            |                          |                         |                            |                          |                         |                            |                          |                         |
|                            |                          |                         |                            |                          |                         |                            |                          |                         |
|                            |                          |                         |                            |                          |                         |                            |                          |                         |
|                            |                          |                         |                            |                          |                         |                            |                          |                         |
| 19                         | 99                       | 48                      | 17                         | 111                      | 50                      | 10                         | 148                      | 64                      |

### National Merit and Achievement Scholars

| Institutions with Over \$40 Million<br>in Federal Research, Alphabetically |                                       | 2013<br>National<br>Merits | 2013<br>National<br>Rank | 2013<br>Control<br>Rank | 2012<br>National<br>Merits | 2012<br>National<br>Rank | 2012<br>Control<br>Rank |
|----------------------------------------------------------------------------|---------------------------------------|----------------------------|--------------------------|-------------------------|----------------------------|--------------------------|-------------------------|
| Public                                                                     | University of Vermont                 | 9                          | 137                      | 60                      | 7                          | 156                      | 71                      |
| Public                                                                     | University of Virginia                | 39                         | 55                       | 25                      | 35                         | 69                       | 32                      |
| Public                                                                     | University of Washington - Seattle    | 19                         | 96                       | 47                      | 13                         | 116                      | 54                      |
| Public                                                                     | University of Wisconsin - Madison     | 20                         | 93                       | 45                      | 21                         | 87                       | 41                      |
| Public                                                                     | University of Wyoming                 | 6                          | 160                      | 72                      | 3                          | 213                      | 91                      |
| Public                                                                     | Utah State University                 | 0                          | 355                      | 147                     | 0                          | 369                      | 144                     |
| Private                                                                    | Vanderbilt University                 | 285                        | 3                        | 3                       | 207                        | 10                       | 9                       |
| Public                                                                     | Virginia Commonwealth University      | 1                          | 258                      | 108                     | 1                          | 257                      | 107                     |
| Public                                                                     | Virginia Polytechnic Inst. and St. U. | 17                         | 100                      | 49                      | 17                         | 101                      | 46                      |
| Private                                                                    | Wake Forest University                | 9                          | 137                      | 78                      | 4                          | 188                      | 106                     |
| Public                                                                     | Washington State Univ. - Pullman      | 3                          | 204                      | 90                      | 4                          | 188                      | 83                      |
| Private                                                                    | Washington University in St. Louis    | 223                        | 7                        | 7                       | 234                        | 8                        | 7                       |
| Public                                                                     | Wayne State University                | 8                          | 146                      | 64                      | 8                          | 147                      | 68                      |
| Private                                                                    | Weill Cornell Medical College         |                            |                          |                         |                            |                          |                         |
| Public                                                                     | West Virginia University              | 21                         | 89                       | 43                      | 16                         | 103                      | 48                      |
| Private                                                                    | Woods Hole Oceanographic Inst.        |                            |                          |                         |                            |                          |                         |
| Private                                                                    | Yale University                       | 224                        | 6                        | 6                       | 249                        | 5                        | 4                       |
| Private                                                                    | Yeshiva University                    | 3                          | 204                      | 115                     | 1                          | 257                      | 151                     |

| 2011<br>National<br>Merits | 2011<br>National<br>Rank | 2011<br>Control<br>Rank | 2010<br>National<br>Merits | 2010<br>National<br>Rank | 2010<br>Control<br>Rank | 2009<br>National<br>Merits | 2009<br>National<br>Rank | 2009<br>Control<br>Rank |
|----------------------------|--------------------------|-------------------------|----------------------------|--------------------------|-------------------------|----------------------------|--------------------------|-------------------------|
| 4                          | 189                      | 81                      | 5                          | 186                      | 76                      | 13                         | 125                      | 54                      |
| 41                         | 55                       | 24                      | 50                         | 47                       | 18                      | 39                         | 59                       | 27                      |
| 14                         | 118                      | 55                      | 30                         | 75                       | 32                      | 37                         | 66                       | 30                      |
| 21                         | 89                       | 43                      | 25                         | 86                       | 38                      | 22                         | 90                       | 40                      |
| 2                          | 231                      | 96                      | 1                          | 270                      | 109                     | 2                          | 238                      | 94                      |
| 2                          | 231                      | 96                      | 1                          | 270                      | 109                     | 2                          | 238                      | 94                      |
| 238                        | 7                        | 7                       | 201                        | 10                       | 9                       | 197                        | 10                       | 8                       |
| 0                          | 386                      | 160                     | 0                          | 395                      | 156                     | 1                          | 276                      | 111                     |
| 19                         | 99                       | 48                      | 21                         | 99                       | 44                      | 16                         | 110                      | 50                      |
| 8                          | 152                      | 85                      | 16                         | 115                      | 63                      | 11                         | 141                      | 80                      |
| 3                          | 211                      | 88                      | 4                          | 199                      | 80                      | 3                          | 215                      | 86                      |
| 239                        | 6                        | 6                       | 237                        | 6                        | 6                       | 240                        | 6                        | 5                       |
| 17                         | 105                      | 50                      | 9                          | 153                      | 67                      | 15                         | 114                      | 51                      |
|                            |                          |                         |                            |                          |                         |                            |                          |                         |
| 15                         | 113                      | 52                      | 25                         | 86                       | 38                      | 21                         | 93                       | 42                      |
|                            |                          |                         |                            |                          |                         |                            |                          |                         |
| 244                        | 5                        | 5                       | 273                        | 3                        | 3                       | 275                        | 2                        | 2                       |
| 4                          | 189                      | 109                     | 1                          | 270                      | 162                     | 1                          | 276                      | 166                     |

| Change: Research                                                        |                                       | Total Research in Constant 1983 Dollars |                                       |                                            |                                                |                                         |                                        |
|-------------------------------------------------------------------------|---------------------------------------|-----------------------------------------|---------------------------------------|--------------------------------------------|------------------------------------------------|-----------------------------------------|----------------------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                       | 2012<br>Total<br>Research<br>x \$1000   | 2003<br>Total<br>Research<br>x \$1000 | Net<br>Change<br>in<br>Constant<br>Dollars | Percent<br>Change<br>in<br>Constant<br>Dollars | Net<br>Change<br>in<br>National<br>Rank | Net<br>Change<br>in<br>Control<br>Rank |
| Public                                                                  | Arizona State University - Tempe      | 117,547                                 | 65,137                                | 52,409                                     | 80.5%                                          | 32                                      | 26                                     |
| Public                                                                  | Auburn University                     | 44,419                                  | 52,346                                | -7,927                                     | -15.1%                                         | -19                                     | -13                                    |
| Private                                                                 | Baylor College of Medicine            | 161,920                                 | 206,593                               | -44,673                                    | -21.6%                                         | -17                                     | -7                                     |
| Private                                                                 | Boston University                     | 112,647                                 | 100,594                               | 12,053                                     | 12.0%                                          | -9                                      | -3                                     |
| Private                                                                 | Brandeis University                   | 23,703                                  | 22,746                                | 956                                        | 4.2%                                           | -12                                     | -4                                     |
| Private                                                                 | Brown University                      | 80,126                                  | 55,965                                | 24,161                                     | 43.2%                                          | 15                                      | 1                                      |
| Private                                                                 | California Institute of Technology    | 127,597                                 | 107,673                               | 19,924                                     | 18.5%                                          | -3                                      | -2                                     |
| Private                                                                 | Carnegie Mellon University            | 86,978                                  | 83,373                                | 3,604                                      | 4.3%                                           | -5                                      | -5                                     |
| Private                                                                 | Case Western Reserve University       | 146,757                                 | 112,152                               | 34,605                                     | 30.9%                                          | 6                                       | 1                                      |
| Public                                                                  | Clemson University                    | 37,689                                  | 68,446                                | -30,757                                    | -44.9%                                         | -50                                     | -38                                    |
| Public                                                                  | Cleveland State University            | 20,630                                  | 6,314                                 | 14,316                                     | 226.8%                                         | 70                                      | 51                                     |
| Private                                                                 | Cold Springs Harbor Laboratory        | 28,677                                  |                                       |                                            |                                                |                                         |                                        |
| Public                                                                  | Colorado State Univ. - Fort Collins   | 114,383                                 | 83,688                                | 30,695                                     | 36.7%                                          | 8                                       | 8                                      |
| Private                                                                 | Columbia University                   | 289,188                                 | 195,813                               | 93,375                                     | 47.7%                                          | 11                                      | 4                                      |
| Private                                                                 | Cornell University                    | 172,942                                 | 179,449                               | -6,507                                     | -3.6%                                          | -7                                      | -2                                     |
| Private                                                                 | Dartmouth College                     | 66,600                                  | 69,703                                | -3,103                                     | -4.5%                                          | -13                                     | -6                                     |
| Private                                                                 | Drexel University                     | 38,336                                  | 31,116                                | 7,220                                      | 23.2%                                          | 4                                       | -1                                     |
| Private                                                                 | Duke University                       | 342,723                                 | 232,733                               | 109,990                                    | 47.3%                                          | 3                                       | 2                                      |
| Private                                                                 | Emory University                      | 161,865                                 | 144,610                               | 17,254                                     | 11.9%                                          | -5                                      | -2                                     |
| Public                                                                  | Florida International University      | 28,529                                  | 23,343                                | 5,186                                      | 22.2%                                          | 3                                       | 5                                      |
| Public                                                                  | Florida State University              | 70,951                                  | 68,129                                | 2,822                                      | 4.1%                                           | -5                                      | -3                                     |
| Public                                                                  | George Mason University               | 27,258                                  | 20,124                                | 7,134                                      | 35.5%                                          | 5                                       | 4                                      |
| Private                                                                 | George Washington University          | 64,008                                  | 41,364                                | 22,644                                     | 54.7%                                          | 25                                      | 3                                      |
| Private                                                                 | Georgetown University                 | 58,611                                  | 52,665                                | 5,946                                      | 11.3%                                          | -1                                      | -4                                     |
| Public                                                                  | Georgia Health Sciences University    | 24,056                                  | 25,232                                | -1,176                                     | -4.7%                                          | -18                                     | -12                                    |
| Public                                                                  | Georgia Institute of Technology       | 233,276                                 | 162,939                               | 70,338                                     | 43.2%                                          | 7                                       | 3                                      |
| Private                                                                 | Harvard University                    | 257,180                                 | 182,856                               | 74,325                                     | 40.6%                                          | 10                                      | 3                                      |
| Private                                                                 | Icahn School of Med. at Mount Sinai   | 136,672                                 | 91,204                                | 45,468                                     | 49.9%                                          | 15                                      | 3                                      |
| Public                                                                  | Indiana University - Bloomington      | 51,588                                  | 60,429                                | -8,841                                     | -14.6%                                         | -21                                     | -12                                    |
| Public                                                                  | Indiana U. - Purdue U. - Indianapolis | 105,093                                 | 90,644                                | 14,450                                     | 15.9%                                          | -2                                      | 0                                      |
| Public                                                                  | Iowa State University                 | 86,187                                  | 89,286                                | -3,098                                     | -3.5%                                          | -11                                     | -4                                     |
| Private                                                                 | Johns Hopkins University              | 713,922                                 | 556,625                               | 157,297                                    | 28.3%                                          | 0                                       | 0                                      |
| Public                                                                  | Kansas State University               | 57,940                                  | 50,437                                | 7,504                                      | 14.9%                                          | 2                                       | 5                                      |
| Public                                                                  | Louisiana State Univ. - Baton Rouge   | 95,173                                  | 92,467                                | 2,706                                      | 2.9%                                           | -12                                     | -6                                     |
| Public                                                                  | Louisiana St. U. HSC - New Orleans    | 18,321                                  | 36,600                                | -18,279                                    | -49.9%                                         | -57                                     | -47                                    |
| Private                                                                 | Massachusetts Inst. of Technology     | 262,772                                 | 217,331                               | 45,441                                     | 20.9%                                          | 0                                       | -1                                     |
| Private                                                                 | Medical College of Wisconsin          | 71,304                                  | 48,591                                | 22,712                                     | 46.7%                                          | 21                                      | 5                                      |
| Public                                                                  | Medical University of South Carolina  | 80,699                                  | 67,357                                | 13,343                                     | 19.8%                                          | 6                                       | 6                                      |
| Public                                                                  | Michigan State University             | 160,870                                 | 143,799                               | 17,071                                     | 11.9%                                          | -4                                      | -2                                     |
| Public                                                                  | Mississippi State University          | 75,833                                  | 74,234                                | 1,600                                      | 2.2%                                           | -6                                      | -3                                     |
| Public                                                                  | Montana State University - Bozeman    | 38,624                                  | 40,938                                | -2,314                                     | -5.7%                                          | -9                                      | -7                                     |
| Public                                                                  | Naval Postgraduate School             | 42,478                                  | 27,303                                | 15,175                                     | 55.6%                                          | 19                                      | 18                                     |
| Public                                                                  | New Jersey Institute of Technology    | 31,179                                  | 32,957                                | -1,778                                     | -5.4%                                          | -13                                     | -8                                     |
| Public                                                                  | New Mexico State Univ. - Las Cruces   | 46,121                                  | 48,593                                | -2,472                                     | -5.1%                                          | -11                                     | -7                                     |
| Private                                                                 | New York University                   | 144,982                                 | 108,089                               | 36,893                                     | 34.1%                                          | 8                                       | 2                                      |
| Public                                                                  | North Carolina State University       | 136,456                                 | 127,968                               | 8,488                                      | 6.6%                                           | -10                                     | -5                                     |
| Public                                                                  | North Dakota State University         | 45,664                                  | 41,077                                | 4,588                                      | 11.2%                                          | 0                                       | 1                                      |
| Private                                                                 | Northeastern University               | 35,103                                  | 19,207                                | 15,896                                     | 82.8%                                          | 31                                      | 6                                      |
| Private                                                                 | Northwestern University               | 205,496                                 | 143,044                               | 62,452                                     | 43.7%                                          | 7                                       | 4                                      |

# The Top American Research Universities

| Federal Research in Constant 1983 Dollars |                                         |                                            |                                                |                                         |                                        | Non-Federal Research in Constant 1983 Dollars |                                             |                                            |                                                |                                         |                                        |
|-------------------------------------------|-----------------------------------------|--------------------------------------------|------------------------------------------------|-----------------------------------------|----------------------------------------|-----------------------------------------------|---------------------------------------------|--------------------------------------------|------------------------------------------------|-----------------------------------------|----------------------------------------|
| 2012<br>Federal<br>Research<br>x \$1000   | 2003<br>Federal<br>Research<br>x \$1000 | Net<br>Change<br>in<br>Constant<br>Dollars | Percent<br>Change<br>in<br>Constant<br>Dollars | Net<br>Change<br>in<br>National<br>Rank | Net<br>Change<br>in<br>Control<br>Rank | 2012<br>Non-Federal<br>Research<br>x \$1000   | 2003<br>Non-Federal<br>Research<br>x \$1000 | Net<br>Change<br>in<br>Constant<br>Dollars | Percent<br>Change<br>in<br>Constant<br>Dollars | Net<br>Change<br>in<br>National<br>Rank | Net<br>Change<br>in<br>Control<br>Rank |
| 62,144                                    | 32,097                                  | 30,047                                     | 93.6%                                          | 35                                      | 24                                     | 55,402                                        | 33,040                                      | 22,362                                     | 67.7%                                          | 18                                      | 13                                     |
| 18,801                                    | 20,300                                  | -1,500                                     | -7.4%                                          | -19                                     | -14                                    | 25,618                                        | 32,045                                      | -6,427                                     | -20.1%                                         | -31                                     | -19                                    |
| 91,672                                    | 135,457                                 | -43,785                                    | -32.3%                                         | -31                                     | -14                                    | 70,249                                        | 71,136                                      | -888                                       | -1.2%                                          | -10                                     | -7                                     |
| 93,190                                    | 91,246                                  | 1,944                                      | 2.1%                                           | -10                                     | -3                                     | 19,457                                        | 9,348                                       | 10,109                                     | 108.1%                                         | 43                                      | 6                                      |
| 15,029                                    | 15,087                                  | -58                                        | -0.4%                                          | -6                                      | 1                                      | 8,673                                         | 7,659                                       | 1,014                                      | 13.2%                                          | -6                                      | -3                                     |
| 43,547                                    | 36,438                                  | 7,108                                      | 19.5%                                          | 10                                      | 3                                      | 36,580                                        | 19,527                                      | 17,053                                     | 87.3%                                          | 35                                      | 7                                      |
| 109,935                                   | 98,024                                  | 11,911                                     | 12.2%                                          | -5                                      | -2                                     | 17,662                                        | 9,649                                       | 8,013                                      | 83.0%                                          | 31                                      | 3                                      |
| 71,395                                    | 70,503                                  | 892                                        | 1.3%                                           | -9                                      | -3                                     | 15,583                                        | 12,871                                      | 2,712                                      | 21.1%                                          | 3                                       | -4                                     |
| 122,360                                   | 91,919                                  | 30,441                                     | 33.1%                                          | 7                                       | 3                                      | 24,397                                        | 20,232                                      | 4,165                                      | 20.6%                                          | 0                                       | -3                                     |
| 16,435                                    | 27,986                                  | -11,551                                    | -41.3%                                         | -48                                     | -40                                    | 21,254                                        | 40,460                                      | -19,206                                    | -47.5%                                         | -52                                     | -36                                    |
| 15,761                                    | 1,616                                   | 14,145                                     | 875.5%                                         | 158                                     | 118                                    | 4,870                                         | 4,698                                       | 171                                        | 3.6%                                           | -8                                      | -7                                     |
| 14,965                                    |                                         |                                            |                                                |                                         |                                        | 13,712                                        |                                             |                                            |                                                |                                         |                                        |
| 83,765                                    | 52,413                                  | 31,352                                     | 59.8%                                          | 11                                      | 9                                      | 30,618                                        | 31,275                                      | -656                                       | -2.1%                                          | -11                                     | -5                                     |
| 215,562                                   | 172,486                                 | 43,076                                     | 25.0%                                          | 3                                       | 1                                      | 73,626                                        | 23,327                                      | 50,298                                     | 215.6%                                         | 57                                      | 12                                     |
| 101,851                                   | 95,178                                  | 6,673                                      | 7.0%                                           | -11                                     | -5                                     | 71,091                                        | 84,271                                      | -13,180                                    | -15.6%                                         | -13                                     | -6                                     |
| 50,216                                    | 47,440                                  | 2,776                                      | 5.9%                                           | -7                                      | -3                                     | 16,384                                        | 22,263                                      | -5,879                                     | -26.4%                                         | -40                                     | -14                                    |
| 29,193                                    | 22,044                                  | 7,149                                      | 32.4%                                          | 6                                       | 2                                      | 9,144                                         | 9,072                                       | 72                                         | 0.8%                                           | -12                                     | -7                                     |
| 199,760                                   | 137,291                                 | 62,469                                     | 45.5%                                          | 5                                       | 3                                      | 142,963                                       | 95,442                                      | 47,520                                     | 49.8%                                          | 7                                       | 0                                      |
| 123,115                                   | 102,121                                 | 20,993                                     | 20.6%                                          | 2                                       | -1                                     | 38,750                                        | 42,489                                      | -3,739                                     | -8.8%                                          | -17                                     | -7                                     |
| 18,489                                    | 18,281                                  | 208                                        | 1.1%                                           | -18                                     | -15                                    | 10,040                                        | 5,062                                       | 4,978                                      | 98.3%                                          | 33                                      | 26                                     |
| 45,025                                    | 39,364                                  | 5,660                                      | 14.4%                                          | 3                                       | 4                                      | 25,926                                        | 28,764                                      | -2,838                                     | -9.9%                                          | -24                                     | -12                                    |
| 19,615                                    | 17,229                                  | 2,385                                      | 13.8%                                          | -4                                      | -2                                     | 7,644                                         | 2,895                                       | 4,749                                      | 164.1%                                         | 51                                      | 40                                     |
| 37,885                                    | 30,852                                  | 7,033                                      | 22.8%                                          | 11                                      | 2                                      | 26,123                                        | 10,512                                      | 15,611                                     | 148.5%                                         | 49                                      | 7                                      |
| 38,622                                    | 39,578                                  | -956                                       | -2.4%                                          | -9                                      | -5                                     | 19,988                                        | 13,086                                      | 6,902                                      | 52.7%                                          | 24                                      | 0                                      |
| 18,797                                    | 12,652                                  | 6,144                                      | 48.6%                                          | 16                                      | 13                                     | 5,260                                         | 12,580                                      | -7,320                                     | -58.2%                                         | -66                                     | -47                                    |
| 164,529                                   | 91,083                                  | 73,447                                     | 80.6%                                          | 19                                      | 8                                      | 68,747                                        | 71,856                                      | -3,109                                     | -4.3%                                          | -12                                     | -4                                     |
| 195,909                                   | 155,973                                 | 39,937                                     | 25.6%                                          | 2                                       | 1                                      | 61,271                                        | 26,883                                      | 34,388                                     | 127.9%                                         | 36                                      | 6                                      |
| 92,684                                    | 68,326                                  | 24,358                                     | 35.6%                                          | 7                                       | 1                                      | 43,988                                        | 22,877                                      | 21,110                                     | 92.3%                                          | 28                                      | 4                                      |
| 24,730                                    | 27,493                                  | -2,763                                     | -10.0%                                         | -23                                     | -19                                    | 26,858                                        | 32,937                                      | -6,079                                     | -18.5%                                         | -28                                     | -17                                    |
| 56,409                                    | 41,239                                  | 15,170                                     | 36.8%                                          | 11                                      | 10                                     | 48,684                                        | 49,405                                      | -720                                       | -1.5%                                          | -8                                      | -6                                     |
| 39,958                                    | 36,820                                  | 3,138                                      | 8.5%                                           | 0                                       | 1                                      | 46,230                                        | 52,466                                      | -6,237                                     | -11.9%                                         | -20                                     | -13                                    |
| 629,618                                   | 495,259                                 | 134,359                                    | 27.1%                                          | 0                                       | 0                                      | 84,304                                        | 61,366                                      | 22,938                                     | 37.4%                                          | 10                                      | 1                                      |
| 24,985                                    | 23,852                                  | 1,132                                      | 4.7%                                           | -12                                     | -8                                     | 32,956                                        | 26,585                                      | 6,371                                      | 24.0%                                          | 4                                       | 9                                      |
| 31,121                                    | 21,769                                  | 9,353                                      | 43.0%                                          | 12                                      | 9                                      | 64,052                                        | 70,699                                      | -6,646                                     | -9.4%                                          | -13                                     | -6                                     |
| 13,861                                    | 16,065                                  | -2,204                                     | -13.7%                                         | -15                                     | -13                                    | 4,460                                         | 20,535                                      | -16,075                                    | -78.3%                                         | -115                                    | -85                                    |
| 163,372                                   | 159,367                                 | 4,005                                      | 2.5%                                           | -6                                      | -2                                     | 99,401                                        | 57,964                                      | 41,436                                     | 71.5%                                          | 18                                      | 4                                      |
| 42,748                                    | 37,146                                  | 5,603                                      | 15.1%                                          | 5                                       | 0                                      | 28,555                                        | 11,445                                      | 17,110                                     | 149.5%                                         | 53                                      | 8                                      |
| 46,699                                    | 41,560                                  | 5,139                                      | 12.4%                                          | 2                                       | 4                                      | 34,001                                        | 25,796                                      | 8,204                                      | 31.8%                                          | 7                                       | 12                                     |
| 85,417                                    | 59,871                                  | 25,546                                     | 42.7%                                          | 4                                       | 4                                      | 75,453                                        | 83,928                                      | -8,475                                     | -10.1%                                         | -6                                      | -3                                     |
| 32,791                                    | 35,719                                  | -2,928                                     | -8.2%                                          | -14                                     | -12                                    | 43,043                                        | 38,514                                      | 4,528                                      | 11.8%                                          | -5                                      | -2                                     |
| 26,745                                    | 23,839                                  | 2,906                                      | 12.2%                                          | -5                                      | -3                                     | 11,879                                        | 17,100                                      | -5,220                                     | -30.5%                                         | -34                                     | -22                                    |
| 41,003                                    | 26,156                                  | 14,847                                     | 56.8%                                          | 26                                      | 21                                     | 1,474                                         | 1,146                                       | 328                                        | 28.6%                                          | 7                                       | 2                                      |
| 19,618                                    | 13,661                                  | 5,956                                      | 43.6%                                          | 18                                      | 14                                     | 11,561                                        | 19,296                                      | -7,735                                     | -40.1%                                         | -47                                     | -34                                    |
| 30,814                                    | 33,720                                  | -2,905                                     | -8.6%                                          | -15                                     | -14                                    | 15,307                                        | 14,874                                      | 433                                        | 2.9%                                           | -8                                      | -2                                     |
| 102,422                                   | 74,283                                  | 28,139                                     | 37.9%                                          | 9                                       | 2                                      | 42,560                                        | 33,806                                      | 8,754                                      | 25.9%                                          | -2                                      | -1                                     |
| 58,486                                    | 43,021                                  | 15,466                                     | 35.9%                                          | 7                                       | 6                                      | 77,969                                        | 84,947                                      | -6,978                                     | -8.2%                                          | -6                                      | -2                                     |
| 15,461                                    | 16,974                                  | -1,514                                     | -8.9%                                          | -17                                     | -15                                    | 30,204                                        | 24,102                                      | 6,101                                      | 25.3%                                          | 2                                       | 7                                      |
| 25,833                                    | 12,033                                  | 13,800                                     | 114.7%                                         | 43                                      | 9                                      | 9,270                                         | 7,175                                       | 2,096                                      | 29.2%                                          | 5                                       | 0                                      |
| 131,452                                   | 89,621                                  | 41,831                                     | 46.7%                                          | 13                                      | 8                                      | 74,044                                        | 53,422                                      | 20,622                                     | 38.6%                                          | 8                                       | 2                                      |

| Change: Research                                                        |                                        | Total Research in Constant 1983 Dollars |                                       |                                            |                                                |                                         |                                        |
|-------------------------------------------------------------------------|----------------------------------------|-----------------------------------------|---------------------------------------|--------------------------------------------|------------------------------------------------|-----------------------------------------|----------------------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                        | 2012<br>Total<br>Research<br>x \$1000   | 2003<br>Total<br>Research<br>x \$1000 | Net<br>Change<br>in<br>Constant<br>Dollars | Percent<br>Change<br>in<br>Constant<br>Dollars | Net<br>Change<br>in<br>National<br>Rank | Net<br>Change<br>in<br>Control<br>Rank |
| Public                                                                  | Ohio State University - Columbus       | 245,620                                 | 222,106                               | 23,514                                     | 10.6%                                          | -4                                      | -1                                     |
| Public                                                                  | Oklahoma State Univ. - Stillwater      | 56,801                                  | 46,118                                | 10,683                                     | 23.2%                                          | 12                                      | 11                                     |
| Public                                                                  | Oregon Health & Science University     | 104,158                                 | 88,217                                | 15,941                                     | 18.1%                                          | 0                                       | 2                                      |
| Public                                                                  | Oregon State University                | 81,718                                  | 74,998                                | 6,720                                      | 9.0%                                           | 0                                       | 2                                      |
| Public                                                                  | Penn. St. Univ. - Hershey Med. Ctr.    | 28,768                                  | 23,866                                | 4,902                                      | 20.5%                                          | 2                                       | 5                                      |
| Public                                                                  | Pennsylvania State Univ. - Univ. Park  | 238,619                                 | 214,790                               | 23,829                                     | 11.1%                                          | -2                                      | 0                                      |
| Private                                                                 | Princeton University                   | 90,385                                  | 80,510                                | 9,875                                      | 12.3%                                          | -1                                      | -3                                     |
| Public                                                                  | Purdue University - West Lafayette     | 180,149                                 | 138,460                               | 41,689                                     | 30.1%                                          | 4                                       | 2                                      |
| Private                                                                 | Rensselaer Polytechnic Institute       | 31,500                                  | 22,718                                | 8,782                                      | 38.7%                                          | 12                                      | 1                                      |
| Private                                                                 | Rice University                        | 39,307                                  | 23,429                                | 15,878                                     | 67.8%                                          | 23                                      | 3                                      |
| Private                                                                 | Rockefeller University                 | 99,907                                  | 85,965                                | 13,942                                     | 16.2%                                          | 0                                       | -2                                     |
| Private                                                                 | Rush University                        | 27,390                                  | 39,906                                | -12,516                                    | -31.4%                                         | -32                                     | -7                                     |
| Public                                                                  | Rutgers University - New Brunswick     | 143,513                                 | 110,999                               | 32,514                                     | 29.3%                                          | 3                                       | 3                                      |
| Public                                                                  | San Diego State University             | 25,811                                  | 30,000                                | -4,188                                     | -14.0%                                         | -22                                     | -15                                    |
| Private                                                                 | Scripps Research Institute             | 135,987                                 |                                       |                                            |                                                |                                         |                                        |
| Public                                                                  | South Dakota State University          | 23,384                                  | 12,372                                | 11,012                                     | 89.0%                                          | 34                                      | 27                                     |
| Private                                                                 | Stanford University                    | 291,497                                 | 269,884                               | 21,613                                     | 8.0%                                           | -2                                      | -1                                     |
| Public                                                                  | Stony Brook University                 | 74,431                                  | 89,628                                | -15,197                                    | -17.0%                                         | -22                                     | -14                                    |
| Public                                                                  | Temple University                      | 43,077                                  | 31,912                                | 11,165                                     | 35.0%                                          | 9                                       | 9                                      |
| Public                                                                  | Texas A&M Univ. - College Station      | 228,526                                 | 204,120                               | 24,407                                     | 12.0%                                          | -4                                      | -3                                     |
| Private                                                                 | Thomas Jefferson University            | 34,283                                  | 48,804                                | -14,521                                    | -29.8%                                         | -33                                     | -8                                     |
| Private                                                                 | Tufts University                       | 54,283                                  | 50,381                                | 3,901                                      | 7.7%                                           | -3                                      | -3                                     |
| Private                                                                 | Tulane University                      | 52,596                                  | 52,663                                | -67                                        | -0.1%                                          | -9                                      | -5                                     |
| Public                                                                  | Uniformed Services Univ. of the HS     | 51,640                                  | 13,692                                | 37,948                                     | 277.1%                                         | 80                                      | 65                                     |
| Public                                                                  | University at Albany                   | 46,278                                  | 53,981                                | -7,703                                     | -14.3%                                         | -19                                     | -11                                    |
| Public                                                                  | University at Buffalo                  | 116,291                                 | 107,457                               | 8,835                                      | 8.2%                                           | -8                                      | -5                                     |
| Public                                                                  | University of Alabama - Birmingham     | 153,191                                 | 127,284                               | 25,907                                     | 20.4%                                          | 5                                       | 5                                      |
| Public                                                                  | University of Alabama - Huntsville     | 28,337                                  | 20,847                                | 7,491                                      | 35.9%                                          | 5                                       | 3                                      |
| Public                                                                  | University of Alaska - Fairbanks       | 41,491                                  | 57,677                                | -16,186                                    | -28.1%                                         | -31                                     | -22                                    |
| Public                                                                  | University of Arizona                  | 209,925                                 | 203,541                               | 6,384                                      | 3.1%                                           | -6                                      | -4                                     |
| Public                                                                  | Univ. of Arkansas for Med. Sciences    | 44,021                                  | 28,489                                | 15,532                                     | 54.5%                                          | 17                                      | 16                                     |
| Public                                                                  | University of California - Berkeley    | 237,714                                 | 226,915                               | 10,799                                     | 4.8%                                           | -8                                      | -5                                     |
| Public                                                                  | University of California - Davis       | 240,475                                 | 215,712                               | 24,763                                     | 11.5%                                          | -2                                      | 0                                      |
| Public                                                                  | University of California - Irvine      | 114,567                                 | 104,985                               | 9,582                                      | 9.1%                                           | -8                                      | -5                                     |
| Public                                                                  | University of California - Los Angeles | 330,759                                 | 380,002                               | -49,244                                    | -13.0%                                         | -6                                      | -5                                     |
| Public                                                                  | University of California - Riverside   | 44,210                                  | 50,318                                | -6,109                                     | -12.1%                                         | -16                                     | -11                                    |
| Public                                                                  | University of California - San Diego   | 363,376                                 | 289,248                               | 74,128                                     | 25.6%                                          | 3                                       | 3                                      |
| Public                                                                  | Univ. of California - San Francisco    | 352,245                                 | 300,404                               | 51,841                                     | 17.3%                                          | 1                                       | 1                                      |
| Public                                                                  | Univ. of California - Santa Barbara    | 76,037                                  | 66,721                                | 9,316                                      | 14.0%                                          | 4                                       | 5                                      |
| Public                                                                  | University of California - Santa Cruz  | 51,105                                  | 35,098                                | 16,007                                     | 45.6%                                          | 17                                      | 16                                     |
| Public                                                                  | University of Central Florida          | 34,984                                  | 40,212                                | -5,228                                     | -13.0%                                         | -15                                     | -11                                    |
| Private                                                                 | University of Chicago                  | 140,487                                 | 110,652                               | 29,835                                     | 27.0%                                          | 3                                       | 0                                      |
| Public                                                                  | University of Cincinnati - Cincinnati  | 139,269                                 | 113,685                               | 25,584                                     | 22.5%                                          | -2                                      | 0                                      |
| Public                                                                  | University of Colorado - Boulder       | 127,405                                 | 95,080                                | 32,325                                     | 34.0%                                          | 4                                       | 5                                      |
| Public                                                                  | University of Colorado - Denver        | 144,232                                 | 99,542                                | 44,690                                     | 44.9%                                          | 13                                      | 9                                      |
| Public                                                                  | Univ. of Connecticut - Health Center   | 34,973                                  | 45,986                                | -11,013                                    | -23.9%                                         | -22                                     | -17                                    |
| Public                                                                  | University of Connecticut - Storrs     | 50,462                                  | 39,173                                | 11,289                                     | 28.8%                                          | 10                                      | 9                                      |
| Private                                                                 | University of Dayton                   | 27,246                                  | 23,687                                | 3,559                                      | 15.0%                                          | -6                                      | -5                                     |
| Public                                                                  | University of Delaware                 | 55,029                                  | 45,056                                | 9,973                                      | 22.1%                                          | 10                                      | 9                                      |

# The Top American Research Universities

| Federal Research in Constant 1983 Dollars |                                         |                                            |                                                |                                         |                                        | Non-Federal Research in Constant 1983 Dollars |                                             |                                            |                                                |                                         |                                        |
|-------------------------------------------|-----------------------------------------|--------------------------------------------|------------------------------------------------|-----------------------------------------|----------------------------------------|-----------------------------------------------|---------------------------------------------|--------------------------------------------|------------------------------------------------|-----------------------------------------|----------------------------------------|
| 2012<br>Federal<br>Research<br>x \$1000   | 2003<br>Federal<br>Research<br>x \$1000 | Net<br>Change<br>in<br>Constant<br>Dollars | Percent<br>Change<br>in<br>Constant<br>Dollars | Net<br>Change<br>in<br>National<br>Rank | Net<br>Change<br>in<br>Control<br>Rank | 2012<br>Non-Federal<br>Research<br>x \$1000   | 2003<br>Non-Federal<br>Research<br>x \$1000 | Net<br>Change<br>in<br>Constant<br>Dollars | Percent<br>Change<br>in<br>Constant<br>Dollars | Net<br>Change<br>in<br>National<br>Rank | Net<br>Change<br>in<br>Control<br>Rank |
| 142,001                                   | 88,804                                  | 53,198                                     | 59.9%                                          | 15                                      | 6                                      | 103,619                                       | 133,303                                     | -29,684                                    | -22.3%                                         | -9                                      | -8                                     |
| 29,292                                    | 16,888                                  | 12,404                                     | 73.4%                                          | 27                                      | 20                                     | 27,509                                        | 29,229                                      | -1,720                                     | -5.9%                                          | -19                                     | -8                                     |
| 82,621                                    | 73,472                                  | 9,148                                      | 12.5%                                          | -5                                      | -3                                     | 21,537                                        | 14,745                                      | 6,792                                      | 46.1%                                          | 23                                      | 22                                     |
| 53,098                                    | 44,963                                  | 8,135                                      | 18.1%                                          | -2                                      | -1                                     | 28,620                                        | 30,035                                      | -1,415                                     | -4.7%                                          | -16                                     | -8                                     |
| 19,311                                    | 13,471                                  | 5,841                                      | 43.4%                                          | 17                                      | 14                                     | 9,456                                         | 10,395                                      | -939                                       | -9.0%                                          | -21                                     | -12                                    |
| 160,180                                   | 121,239                                 | 38,941                                     | 32.1%                                          | 2                                       | -1                                     | 78,439                                        | 93,551                                      | -15,112                                    | -16.2%                                         | -9                                      | -5                                     |
| 54,912                                    | 46,535                                  | 8,377                                      | 18.0%                                          | -1                                      | -1                                     | 35,473                                        | 33,976                                      | 1,497                                      | 4.4%                                           | -10                                     | -6                                     |
| 87,216                                    | 57,804                                  | 29,413                                     | 50.9%                                          | 8                                       | 7                                      | 92,932                                        | 80,656                                      | 12,276                                     | 15.2%                                          | 5                                       | 5                                      |
| 21,170                                    | 14,449                                  | 6,721                                      | 46.5%                                          | 20                                      | 4                                      | 10,330                                        | 8,269                                       | 2,061                                      | 24.9%                                          | 2                                       | -2                                     |
| 26,071                                    | 19,554                                  | 6,517                                      | 33.3%                                          | 3                                       | 1                                      | 13,236                                        | 3,875                                       | 9,361                                      | 241.6%                                         | 69                                      | 15                                     |
| 28,863                                    | 33,691                                  | -4,828                                     | -14.3%                                         | -20                                     | -2                                     | 71,044                                        | 52,274                                      | 18,770                                     | 35.9%                                          | 8                                       | 1                                      |
| 19,617                                    | 22,296                                  | -2,678                                     | -12.0%                                         | -20                                     | -7                                     | 7,773                                         | 17,611                                      | -9,838                                     | -55.9%                                         | -69                                     | -20                                    |
| 93,290                                    | 43,817                                  | 49,474                                     | 112.9%                                         | 35                                      | 26                                     | 50,223                                        | 67,183                                      | -16,960                                    | -25.2%                                         | -24                                     | -14                                    |
| 17,631                                    | 12,565                                  | 5,067                                      | 40.3%                                          | 13                                      | 9                                      | 8,180                                         | 17,435                                      | -9,255                                     | -53.1%                                         | -63                                     | -44                                    |
| 105,561                                   |                                         |                                            |                                                |                                         |                                        | 30,427                                        |                                             |                                            |                                                |                                         |                                        |
| 14,306                                    | 5,119                                   | 9,187                                      | 179.5%                                         | 65                                      | 48                                     | 9,078                                         | 7,253                                       | 1,825                                      | 25.2%                                          | 1                                       | 3                                      |
| 207,245                                   | 216,336                                 | -9,091                                     | -4.2%                                          | -4                                      | -2                                     | 84,252                                        | 53,548                                      | 30,704                                     | 57.3%                                          | 14                                      | 2                                      |
| 42,023                                    | 50,311                                  | -8,288                                     | -16.5%                                         | -24                                     | -16                                    | 32,408                                        | 39,317                                      | -6,908                                     | -17.6%                                         | -21                                     | -12                                    |
| 29,015                                    | 22,956                                  | 6,059                                      | 26.4%                                          | 3                                       | 3                                      | 14,062                                        | 8,956                                       | 5,106                                      | 57.0%                                          | 18                                      | 16                                     |
| 88,517                                    | 79,243                                  | 9,274                                      | 11.7%                                          | -4                                      | -1                                     | 140,009                                       | 124,876                                     | 15,132                                     | 12.1%                                          | -3                                      | -2                                     |
| 23,528                                    | 38,185                                  | -14,657                                    | -38.4%                                         | -47                                     | -12                                    | 10,755                                        | 10,619                                      | 136                                        | 1.3%                                           | -14                                     | -7                                     |
| 40,946                                    | 35,319                                  | 5,628                                      | 15.9%                                          | 6                                       | 2                                      | 13,336                                        | 15,063                                      | -1,726                                     | -11.5%                                         | -20                                     | -9                                     |
| 34,495                                    | 36,740                                  | -2,244                                     | -6.1%                                          | -14                                     | -3                                     | 18,101                                        | 15,923                                      | 2,177                                      | 13.7%                                          | 4                                       | -4                                     |
| 37,615                                    | 4,262                                   | 33,353                                     | 782.5%                                         | 140                                     | 110                                    | 14,025                                        | 9,430                                       | 4,595                                      | 48.7%                                          | 14                                      | 14                                     |
| 38,258                                    | 34,019                                  | 4,239                                      | 12.5%                                          | 4                                       | 3                                      | 8,020                                         | 19,962                                      | -11,942                                    | -59.8%                                         | -78                                     | -57                                    |
| 63,699                                    | 58,070                                  | 5,630                                      | 9.7%                                           | -9                                      | -7                                     | 52,592                                        | 49,387                                      | 3,205                                      | 6.5%                                           | -3                                      | -1                                     |
| 103,584                                   | 109,710                                 | -6,126                                     | -5.6%                                          | -15                                     | -8                                     | 49,607                                        | 17,574                                      | 32,033                                     | 182.3%                                         | 64                                      | 49                                     |
| 25,826                                    | 15,909                                  | 9,918                                      | 62.3%                                          | 21                                      | 17                                     | 2,511                                         | 4,938                                       | -2,427                                     | -49.2%                                         | -57                                     | -45                                    |
| 33,248                                    | 32,484                                  | 763                                        | 2.3%                                           | -8                                      | -8                                     | 8,244                                         | 25,193                                      | -16,949                                    | -67.3%                                         | -98                                     | -68                                    |
| 112,007                                   | 115,910                                 | -3,903                                     | -3.4%                                          | -10                                     | -6                                     | 97,918                                        | 87,631                                      | 10,287                                     | 11.7%                                          | 1                                       | 2                                      |
| 23,837                                    | 18,648                                  | 5,189                                      | 27.8%                                          | -2                                      | -2                                     | 20,184                                        | 9,841                                       | 10,343                                     | 105.1%                                         | 40                                      | 35                                     |
| 113,647                                   | 106,573                                 | 7,074                                      | 6.6%                                           | -5                                      | -2                                     | 124,067                                       | 120,342                                     | 3,725                                      | 3.1%                                           | -2                                      | -1                                     |
| 121,616                                   | 93,205                                  | 28,410                                     | 30.5%                                          | 4                                       | 3                                      | 118,859                                       | 122,506                                     | -3,647                                     | -3.0%                                          | -5                                      | -4                                     |
| 69,606                                    | 59,895                                  | 9,711                                      | 16.2%                                          | -7                                      | -5                                     | 44,961                                        | 45,090                                      | -129                                       | -0.3%                                          | -11                                     | -7                                     |
| 180,066                                   | 188,433                                 | -8,367                                     | -4.4%                                          | -9                                      | -5                                     | 150,692                                       | 191,569                                     | -40,877                                    | -21.3%                                         | -4                                      | -4                                     |
| 20,911                                    | 18,079                                  | 2,832                                      | 15.7%                                          | -5                                      | -3                                     | 23,299                                        | 32,239                                      | -8,940                                     | -27.7%                                         | -38                                     | -25                                    |
| 222,926                                   | 179,005                                 | 43,921                                     | 24.5%                                          | 2                                       | 1                                      | 140,450                                       | 110,243                                     | 30,207                                     | 27.4%                                          | 2                                       | 3                                      |
| 190,787                                   | 166,297                                 | 24,490                                     | 14.7%                                          | -2                                      | 0                                      | 161,458                                       | 134,106                                     | 27,351                                     | 20.4%                                          | 0                                       | 0                                      |
| 46,043                                    | 39,560                                  | 6,483                                      | 16.4%                                          | 4                                       | 5                                      | 29,994                                        | 27,161                                      | 2,833                                      | 10.4%                                          | -8                                      | -1                                     |
| 31,180                                    | 17,096                                  | 14,083                                     | 82.4%                                          | 29                                      | 22                                     | 19,925                                        | 18,001                                      | 1,924                                      | 10.7%                                          | 0                                       | 4                                      |
| 24,771                                    | 21,363                                  | 3,408                                      | 16.0%                                          | -4                                      | -2                                     | 10,213                                        | 18,849                                      | -8,636                                     | -45.8%                                         | -53                                     | -36                                    |
| 112,262                                   | 89,985                                  | 22,277                                     | 24.8%                                          | 5                                       | 4                                      | 28,224                                        | 20,667                                      | 7,558                                      | 36.6%                                          | 8                                       | -2                                     |
| 90,906                                    | 82,886                                  | 8,020                                      | 9.7%                                           | -5                                      | -2                                     | 48,364                                        | 30,799                                      | 17,565                                     | 57.0%                                          | 16                                      | 13                                     |
| 108,817                                   | 85,626                                  | 23,192                                     | 27.1%                                          | 6                                       | 2                                      | 18,588                                        | 9,454                                       | 9,133                                      | 96.6%                                          | 39                                      | 34                                     |
| 105,067                                   | 83,006                                  | 22,061                                     | 26.6%                                          | 5                                       | 2                                      | 39,165                                        | 16,536                                      | 22,630                                     | 136.9%                                         | 51                                      | 41                                     |
| 21,001                                    | 25,976                                  | -4,975                                     | -19.2%                                         | -23                                     | -16                                    | 13,972                                        | 20,010                                      | -6,037                                     | -30.2%                                         | -41                                     | -30                                    |
| 30,301                                    | 23,978                                  | 6,323                                      | 26.4%                                          | 2                                       | 1                                      | 20,160                                        | 15,195                                      | 4,965                                      | 32.7%                                          | 15                                      | 16                                     |
| 21,956                                    | 21,174                                  | 782                                        | 3.7%                                           | -9                                      | -3                                     | 5,290                                         | 2,513                                       | 2,777                                      | 110.5%                                         | 42                                      | 12                                     |
| 37,780                                    | 31,091                                  | 6,689                                      | 21.5%                                          | 9                                       | 8                                      | 17,248                                        | 13,965                                      | 3,284                                      | 23.5%                                          | 4                                       | 8                                      |

| Change: Research                                                        |                                       | Total Research in Constant 1983 Dollars |                                       |                                            |                                                |                                         |                                        |
|-------------------------------------------------------------------------|---------------------------------------|-----------------------------------------|---------------------------------------|--------------------------------------------|------------------------------------------------|-----------------------------------------|----------------------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                       | 2012<br>Total<br>Research<br>x \$1000   | 2003<br>Total<br>Research<br>x \$1000 | Net<br>Change<br>in<br>Constant<br>Dollars | Percent<br>Change<br>in<br>Constant<br>Dollars | Net<br>Change<br>in<br>National<br>Rank | Net<br>Change<br>in<br>Control<br>Rank |
| Public                                                                  | University of Florida                 | 221,711                                 | 192,263                               | 29,448                                     | 15.3%                                          | -3                                      | -2                                     |
| Public                                                                  | University of Georgia                 | 106,252                                 | 134,107                               | -27,855                                    | -20.8%                                         | -30                                     | -20                                    |
| Public                                                                  | University of Hawaii - Manoa          | 106,529                                 | 80,212                                | 26,317                                     | 32.8%                                          | 10                                      | 9                                      |
| Public                                                                  | University of Houston - Univ. Park    | 36,103                                  | 28,390                                | 7,714                                      | 27.2%                                          | 7                                       | 8                                      |
| Public                                                                  | University of Idaho                   | 32,516                                  | 38,124                                | -5,608                                     | -14.7%                                         | -16                                     | -12                                    |
| Public                                                                  | University of Illinois - Chicago      | 130,272                                 | 130,420                               | -148                                       | -0.1%                                          | -15                                     | -8                                     |
| Public                                                                  | Univ. of Illinois - Urbana-Champaign  | 190,341                                 | 220,828                               | -30,487                                    | -13.8%                                         | -16                                     | -9                                     |
| Public                                                                  | University of Iowa                    | 147,689                                 | 130,656                               | 17,033                                     | 13.0%                                          | -2                                      | -1                                     |
| Public                                                                  | University of Kansas - Lawrence       | 58,879                                  | 47,342                                | 11,537                                     | 24.4%                                          | 11                                      | 10                                     |
| Public                                                                  | University of Kansas Medical Center   | 28,548                                  | 30,069                                | -1,520                                     | -5.1%                                          | -11                                     | -6                                     |
| Public                                                                  | University of Kentucky                | 120,794                                 | 121,721                               | -926                                       | -0.8%                                          | -14                                     | -7                                     |
| Public                                                                  | University of Louisville              | 56,390                                  | 39,605                                | 16,786                                     | 42.4%                                          | 19                                      | 16                                     |
| Public                                                                  | University of Maryland - Baltimore    | 141,473                                 | 132,999                               | 8,474                                      | 6.4%                                           | -9                                      | -6                                     |
| Public                                                                  | Univ. of Maryland - Baltimore County  | 22,386                                  | 19,196                                | 3,190                                      | 16.6%                                          | -2                                      | -2                                     |
| Public                                                                  | University of Maryland - College Park | 170,010                                 | 144,018                               | 25,992                                     | 18.0%                                          | -2                                      | -2                                     |
| Public                                                                  | Univ. of Massachusetts - Amherst      | 60,786                                  | 50,785                                | 10,001                                     | 19.7%                                          | 4                                       | 6                                      |
| Public                                                                  | Univ. of Mass. Med. Sch. - Worcester  | 87,352                                  | 66,583                                | 20,769                                     | 31.2%                                          | 14                                      | 13                                     |
| Public                                                                  | Univ. of Medicine & Dentistry of NJ   | 70,439                                  | 85,347                                | -14,909                                    | -17.5%                                         | -22                                     | -14                                    |
| Private                                                                 | University of Miami                   | 123,400                                 | 79,507                                | 43,893                                     | 55.2%                                          | 18                                      | 3                                      |
| Public                                                                  | University of Michigan - Ann Arbor    | 425,584                                 | 348,996                               | 76,587                                     | 21.9%                                          | 1                                       | 1                                      |
| Public                                                                  | University of Minnesota - Twin Cities | 275,210                                 | 227,528                               | 47,682                                     | 21.0%                                          | -3                                      | -2                                     |
| Public                                                                  | University of Missouri - Columbia     | 80,150                                  | 91,812                                | -11,662                                    | -12.7%                                         | -20                                     | -12                                    |
| Public                                                                  | University of Nebraska - Lincoln      | 81,342                                  | 82,613                                | -1,271                                     | -1.5%                                          | -7                                      | -2                                     |
| Public                                                                  | Univ. of Nebraska Medical Center      | 48,306                                  | 38,032                                | 10,274                                     | 27.0%                                          | 10                                      | 10                                     |
| Public                                                                  | University of Nevada - Reno           | 28,358                                  | 36,039                                | -7,681                                     | -21.3%                                         | -21                                     | -15                                    |
| Public                                                                  | Univ. of New Hampshire - Durham       | 51,941                                  | 43,136                                | 8,805                                      | 20.4%                                          | 7                                       | 8                                      |
| Public                                                                  | Univ. of New Mexico - Albuquerque     | 73,752                                  | 70,796                                | 2,956                                      | 4.2%                                           | -8                                      | -5                                     |
| Public                                                                  | Univ. of North Carolina - Chapel Hill | 294,966                                 | 174,728                               | 120,237                                    | 68.8%                                          | 19                                      | 10                                     |
| Public                                                                  | University of North Dakota            | 27,217                                  | 18,703                                | 8,514                                      | 45.5%                                          | 13                                      | 12                                     |
| Private                                                                 | University of Notre Dame              | 48,889                                  | 26,756                                | 22,133                                     | 82.7%                                          | 30                                      | 2                                      |
| Public                                                                  | University of Oklahoma - Norman       | 39,407                                  | 47,614                                | -8,207                                     | -17.2%                                         | -18                                     | -15                                    |
| Public                                                                  | University of Oklahoma HSC            | 34,672                                  | 30,442                                | 4,230                                      | 13.9%                                          | -2                                      | 0                                      |
| Public                                                                  | University of Oregon                  | 29,899                                  | 19,956                                | 9,944                                      | 49.8%                                          | 16                                      | 13                                     |
| Private                                                                 | University of Pennsylvania            | 277,386                                 | 252,618                               | 24,768                                     | 9.8%                                           | -4                                      | -2                                     |
| Public                                                                  | University of Pittsburgh - Pittsburgh | 286,453                                 | 183,293                               | 103,161                                    | 56.3%                                          | 13                                      | 8                                      |
| Public                                                                  | University of Rhode Island            | 33,375                                  | 27,657                                | 5,718                                      | 20.7%                                          | 2                                       | 5                                      |
| Private                                                                 | University of Rochester               | 132,484                                 | 127,853                               | 4,631                                      | 3.6%                                           | -12                                     | -6                                     |
| Public                                                                  | Univ. of South Carolina - Columbia    | 63,635                                  | 54,319                                | 9,316                                      | 17.2%                                          | 3                                       | 7                                      |
| Public                                                                  | University of South Florida - Tampa   | 134,630                                 | 95,408                                | 39,223                                     | 41.1%                                          | 7                                       | 6                                      |
| Private                                                                 | University of Southern California     | 202,273                                 | 185,268                               | 17,005                                     | 9.2%                                           | -5                                      | -2                                     |
| Public                                                                  | University of Tennessee - Knoxville   | 56,523                                  | 65,889                                | -9,366                                     | -14.2%                                         | -15                                     | -8                                     |
| Public                                                                  | University of Tennessee HSC           | 26,520                                  | 28,238                                | -1,718                                     | -6.1%                                          | -18                                     | -11                                    |
| Public                                                                  | University of Texas - Austin          | 187,370                                 | 153,840                               | 33,530                                     | 21.8%                                          | 0                                       | -1                                     |
| Public                                                                  | University of Texas HSC - Houston     | 80,585                                  | 66,794                                | 13,791                                     | 20.6%                                          | 6                                       | 6                                      |
| Public                                                                  | Univ. of Texas HSC - San Antonio      | 62,864                                  | 59,640                                | 3,224                                      | 5.4%                                           | -3                                      | 3                                      |
| Public                                                                  | U. of Texas MD Anderson Cancer Ctr.   | 233,931                                 | 141,007                               | 92,925                                     | 65.9%                                          | 14                                      | 8                                      |
| Public                                                                  | U. of Texas Med. Branch - Galveston   | 61,701                                  | 68,507                                | -6,806                                     | -9.9%                                          | -15                                     | -9                                     |
| Public                                                                  | Univ. of Texas SW Med. Ctr. - Dallas  | 148,407                                 | 123,792                               | 24,615                                     | 19.9%                                          | 4                                       | 4                                      |
| Public                                                                  | University of Utah                    | 145,158                                 | 100,101                               | 45,057                                     | 45.0%                                          | 14                                      | 9                                      |

# The Top American Research Universities

| Federal Research in Constant 1983 Dollars |                                         |                                            |                                                |                                         |                                        | Non-Federal Research in Constant 1983 Dollars |                                             |                                            |                                                |                                         |                                        |
|-------------------------------------------|-----------------------------------------|--------------------------------------------|------------------------------------------------|-----------------------------------------|----------------------------------------|-----------------------------------------------|---------------------------------------------|--------------------------------------------|------------------------------------------------|-----------------------------------------|----------------------------------------|
| 2012<br>Federal<br>Research<br>x \$1000   | 2003<br>Federal<br>Research<br>x \$1000 | Net<br>Change<br>in<br>Constant<br>Dollars | Percent<br>Change<br>in<br>Constant<br>Dollars | Net<br>Change<br>in<br>National<br>Rank | Net<br>Change<br>in<br>Control<br>Rank | 2012<br>Non-Federal<br>Research<br>x \$1000   | 2003<br>Non-Federal<br>Research<br>x \$1000 | Net<br>Change<br>in<br>Constant<br>Dollars | Percent<br>Change<br>in<br>Constant<br>Dollars | Net<br>Change<br>in<br>National<br>Rank | Net<br>Change<br>in<br>Control<br>Rank |
| 100,879                                   | 87,224                                  | 13,654                                     | 15.7%                                          | -2                                      | -2                                     | 120,832                                       | 105,039                                     | 15,794                                     | 15.0%                                          | 0                                       | 1                                      |
| 45,545                                    | 42,004                                  | 3,542                                      | 8.4%                                           | -2                                      | 0                                      | 60,707                                        | 92,104                                      | -31,397                                    | -34.1%                                         | -26                                     | -16                                    |
| 66,079                                    | 64,238                                  | 1,841                                      | 2.9%                                           | -12                                     | -9                                     | 40,451                                        | 15,974                                      | 24,476                                     | 153.2%                                         | 55                                      | 45                                     |
| 18,644                                    | 14,566                                  | 4,078                                      | 28.0%                                          | 6                                       | 4                                      | 17,460                                        | 13,824                                      | 3,636                                      | 26.3%                                          | 8                                       | 12                                     |
| 18,339                                    | 19,176                                  | -837                                       | -4.4%                                          | -22                                     | -18                                    | 14,177                                        | 18,948                                      | -4,771                                     | -25.2%                                         | -32                                     | -22                                    |
| 83,099                                    | 75,191                                  | 7,908                                      | 10.5%                                          | -6                                      | -3                                     | 47,173                                        | 55,229                                      | -8,056                                     | -14.6%                                         | -22                                     | -14                                    |
| 118,886                                   | 119,226                                 | -341                                       | -0.3%                                          | -6                                      | -3                                     | 71,456                                        | 101,602                                     | -30,146                                    | -29.7%                                         | -20                                     | -13                                    |
| 90,658                                    | 88,254                                  | 2,403                                      | 2.7%                                           | -10                                     | -7                                     | 57,032                                        | 42,402                                      | 14,630                                     | 34.5%                                          | 9                                       | 8                                      |
| 33,780                                    | 23,744                                  | 10,036                                     | 42.3%                                          | 12                                      | 11                                     | 25,098                                        | 23,598                                      | 1,501                                      | 6.4%                                           | -14                                     | -4                                     |
| 16,379                                    | 16,914                                  | -535                                       | -3.2%                                          | -14                                     | -12                                    | 12,169                                        | 13,155                                      | -986                                       | -7.5%                                          | -16                                     | -6                                     |
| 53,830                                    | 53,689                                  | 141                                        | 0.3%                                           | -14                                     | -9                                     | 66,964                                        | 68,031                                      | -1,067                                     | -1.6%                                          | -10                                     | -3                                     |
| 27,033                                    | 17,862                                  | 9,171                                      | 51.3%                                          | 14                                      | 11                                     | 29,357                                        | 21,743                                      | 7,615                                      | 35.0%                                          | 7                                       | 10                                     |
| 78,405                                    | 56,442                                  | 21,962                                     | 38.9%                                          | 5                                       | 3                                      | 63,068                                        | 76,557                                      | -13,489                                    | -17.6%                                         | -17                                     | -9                                     |
| 15,237                                    | 15,285                                  | -48                                        | -0.3%                                          | -7                                      | -8                                     | 7,149                                         | 3,911                                       | 3,238                                      | 82.8%                                          | 26                                      | 20                                     |
| 116,035                                   | 81,966                                  | 34,069                                     | 41.6%                                          | 15                                      | 9                                      | 53,975                                        | 62,051                                      | -8,077                                     | -13.0%                                         | -17                                     | -9                                     |
| 36,317                                    | 27,219                                  | 9,098                                      | 33.4%                                          | 7                                       | 5                                      | 24,469                                        | 23,566                                      | 904                                        | 3.8%                                           | -14                                     | -4                                     |
| 68,953                                    | 48,803                                  | 20,150                                     | 41.3%                                          | 3                                       | 3                                      | 18,399                                        | 17,780                                      | 619                                        | 3.5%                                           | -4                                      | 1                                      |
| 37,724                                    | 47,198                                  | -9,475                                     | -20.1%                                         | -25                                     | -17                                    | 32,715                                        | 38,149                                      | -5,434                                     | -14.2%                                         | -16                                     | -7                                     |
| 75,907                                    | 58,548                                  | 17,359                                     | 29.6%                                          | -1                                      | 0                                      | 47,494                                        | 20,959                                      | 26,535                                     | 126.6%                                         | 39                                      | 9                                      |
| 263,932                                   | 231,224                                 | 32,707                                     | 14.1%                                          | 0                                       | 0                                      | 161,652                                       | 117,772                                     | 43,880                                     | 37.3%                                          | 6                                       | 6                                      |
| 163,909                                   | 131,207                                 | 32,702                                     | 24.9%                                          | 2                                       | -2                                     | 111,301                                       | 96,321                                      | 14,980                                     | 15.6%                                          | 0                                       | 1                                      |
| 37,673                                    | 37,676                                  | -3                                         | 0.0%                                           | -8                                      | -4                                     | 42,477                                        | 54,136                                      | -11,659                                    | -21.5%                                         | -30                                     | -19                                    |
| 35,234                                    | 26,483                                  | 8,750                                      | 33.0%                                          | 9                                       | 7                                      | 46,109                                        | 56,130                                      | -10,021                                    | -17.9%                                         | -27                                     | -18                                    |
| 28,719                                    | 15,143                                  | 13,577                                     | 89.7%                                          | 33                                      | 25                                     | 19,587                                        | 22,889                                      | -3,302                                     | -14.4%                                         | -24                                     | -12                                    |
| 18,812                                    | 21,366                                  | -2,554                                     | -12.0%                                         | -21                                     | -15                                    | 9,546                                         | 14,673                                      | -5,127                                     | -34.9%                                         | -37                                     | -23                                    |
| 37,428                                    | 26,604                                  | 10,824                                     | 40.7%                                          | 12                                      | 10                                     | 14,513                                        | 16,532                                      | -2,019                                     | -12.2%                                         | -18                                     | -9                                     |
| 54,338                                    | 47,666                                  | 6,671                                      | 14.0%                                          | -6                                      | -3                                     | 19,414                                        | 23,130                                      | -3,716                                     | -16.1%                                         | -27                                     | -14                                    |
| 203,851                                   | 125,575                                 | 78,276                                     | 62.3%                                          | 11                                      | 4                                      | 91,114                                        | 49,153                                      | 41,961                                     | 85.4%                                          | 30                                      | 21                                     |
| 18,560                                    | 12,678                                  | 5,882                                      | 46.4%                                          | 13                                      | 10                                     | 8,657                                         | 6,025                                       | 2,632                                      | 43.7%                                          | 11                                      | 11                                     |
| 28,053                                    | 18,442                                  | 9,612                                      | 52.1%                                          | 11                                      | 3                                      | 20,836                                        | 8,314                                       | 12,522                                     | 150.6%                                         | 54                                      | 11                                     |
| 21,976                                    | 16,175                                  | 5,801                                      | 35.9%                                          | 10                                      | 8                                      | 17,431                                        | 31,439                                      | -14,008                                    | -44.6%                                         | -57                                     | -39                                    |
| 20,365                                    | 17,522                                  | 2,843                                      | 16.2%                                          | -2                                      | -1                                     | 14,307                                        | 12,920                                      | 1,388                                      | 10.7%                                          | -3                                      | 3                                      |
| 24,272                                    | 16,163                                  | 8,108                                      | 50.2%                                          | 15                                      | 11                                     | 5,628                                         | 3,793                                       | 1,835                                      | 48.4%                                          | 17                                      | 11                                     |
| 223,907                                   | 185,953                                 | 37,953                                     | 20.4%                                          | 2                                       | 1                                      | 53,479                                        | 66,664                                      | -13,185                                    | -19.8%                                         | -19                                     | -9                                     |
| 211,506                                   | 154,633                                 | 56,873                                     | 36.8%                                          | 7                                       | 3                                      | 74,948                                        | 28,660                                      | 46,288                                     | 161.5%                                         | 46                                      | 35                                     |
| 26,672                                    | 23,239                                  | 3,433                                      | 14.8%                                          | -4                                      | -2                                     | 6,703                                         | 4,419                                       | 2,284                                      | 51.7%                                          | 9                                       | 5                                      |
| 104,851                                   | 93,125                                  | 11,725                                     | 12.6%                                          | -6                                      | -2                                     | 27,633                                        | 34,727                                      | -7,094                                     | -20.4%                                         | -30                                     | -13                                    |
| 31,803                                    | 28,206                                  | 3,597                                      | 12.8%                                          | -4                                      | -5                                     | 31,832                                        | 26,113                                      | 5,719                                      | 21.9%                                          | 1                                       | 6                                      |
| 74,623                                    | 47,470                                  | 27,153                                     | 57.2%                                          | 12                                      | 9                                      | 60,007                                        | 47,938                                      | 12,069                                     | 25.2%                                          | 6                                       | 6                                      |
| 147,743                                   | 134,307                                 | 13,435                                     | 10.0%                                          | -3                                      | 1                                      | 54,531                                        | 50,961                                      | 3,570                                      | 7.0%                                           | -4                                      | -1                                     |
| 35,183                                    | 26,939                                  | 8,245                                      | 30.6%                                          | 6                                       | 4                                      | 21,340                                        | 38,951                                      | -17,611                                    | -45.2%                                         | -49                                     | -33                                    |
| 16,534                                    | 17,960                                  | -1,425                                     | -7.9%                                          | -19                                     | -16                                    | 9,986                                         | 10,279                                      | -293                                       | -2.8%                                          | -16                                     | -7                                     |
| 112,072                                   | 103,795                                 | 8,277                                      | 8.0%                                           | -6                                      | -2                                     | 75,299                                        | 50,045                                      | 25,253                                     | 50.5%                                          | 16                                      | 10                                     |
| 49,945                                    | 48,087                                  | 1,858                                      | 3.9%                                           | -11                                     | -7                                     | 30,640                                        | 18,707                                      | 11,933                                     | 63.8%                                          | 31                                      | 26                                     |
| 36,217                                    | 38,782                                  | -2,565                                     | -6.6%                                          | -17                                     | -11                                    | 26,647                                        | 20,858                                      | 5,789                                      | 27.8%                                          | 2                                       | 6                                      |
| 67,112                                    | 54,972                                  | 12,141                                     | 22.1%                                          | -3                                      | -2                                     | 166,819                                       | 86,035                                      | 80,784                                     | 93.9%                                          | 16                                      | 15                                     |
| 37,476                                    | 41,626                                  | -4,150                                     | -10.0%                                         | -19                                     | -12                                    | 24,225                                        | 26,881                                      | -2,656                                     | -9.9%                                          | -25                                     | -13                                    |
| 70,783                                    | 79,277                                  | -8,495                                     | -10.7%                                         | -16                                     | -11                                    | 77,625                                        | 44,515                                      | 33,110                                     | 74.4%                                          | 26                                      | 20                                     |
| 92,653                                    | 68,055                                  | 24,598                                     | 36.1%                                          | 7                                       | 6                                      | 52,505                                        | 32,046                                      | 20,459                                     | 63.8%                                          | 16                                      | 13                                     |

| Change: Research                                                           |                                       | Total Research in Constant 1983 Dollars   |                                           |                                            |                                                |                                         |                                        |
|----------------------------------------------------------------------------|---------------------------------------|-------------------------------------------|-------------------------------------------|--------------------------------------------|------------------------------------------------|-----------------------------------------|----------------------------------------|
| Institutions with Over \$40 Million<br>in Federal Research, Alphabetically |                                       | 2012<br><br>Total<br>Research<br>x \$1000 | 2003<br><br>Total<br>Research<br>x \$1000 | Net<br>Change<br>in<br>Constant<br>Dollars | Percent<br>Change<br>in<br>Constant<br>Dollars | Net<br>Change<br>in<br>National<br>Rank | Net<br>Change<br>in<br>Control<br>Rank |
| Public                                                                     | University of Vermont                 | 39,421                                    | 46,974                                    | -7,554                                     | -16.1%                                         | -15                                     | -12                                    |
| Public                                                                     | University of Virginia                | 124,013                                   | 92,253                                    | 31,760                                     | 34.4%                                          | 5                                       | 6                                      |
| Public                                                                     | University of Washington - Seattle    | 363,413                                   | 306,386                                   | 57,027                                     | 18.6%                                          | 2                                       | 2                                      |
| Public                                                                     | University of Wisconsin - Madison     | 351,539                                   | 320,805                                   | 30,734                                     | 9.6%                                           | -2                                      | -2                                     |
| Public                                                                     | University of Wyoming                 | 21,766                                    | 26,868                                    | -5,102                                     | -19.0%                                         | -28                                     | -20                                    |
| Public                                                                     | Utah State University                 | 52,975                                    | 62,127                                    | -9,152                                     | -14.7%                                         | -18                                     | -10                                    |
| Private                                                                    | Vanderbilt University                 | 182,106                                   | 123,516                                   | 58,590                                     | 47.4%                                          | 14                                      | 4                                      |
| Public                                                                     | Virginia Commonwealth University      | 61,163                                    | 56,574                                    | 4,588                                      | 8.1%                                           | -2                                      | 3                                      |
| Public                                                                     | Virginia Polytechnic Inst. and St. U. | 152,831                                   | 110,869                                   | 41,962                                     | 37.8%                                          | 11                                      | 9                                      |
| Private                                                                    | Wake Forest University                | 69,492                                    | 58,343                                    | 11,149                                     | 19.1%                                          | 2                                       | -3                                     |
| Public                                                                     | Washington State Univ. - Pullman      | 98,473                                    | 78,376                                    | 20,097                                     | 25.6%                                          | 6                                       | 6                                      |
| Private                                                                    | Washington University in St. Louis    | 235,030                                   | 212,214                                   | 22,815                                     | 10.8%                                          | -3                                      | -2                                     |
| Public                                                                     | Wayne State University                | 75,610                                    | 96,031                                    | -20,421                                    | -21.3%                                         | -29                                     | -20                                    |
| Private                                                                    | Weill Cornell Medical College         | 99,868                                    | 68,751                                    | 31,117                                     | 45.3%                                          | 13                                      | 3                                      |
| Public                                                                     | West Virginia University              | 55,245                                    | 46,864                                    | 8,381                                      | 17.9%                                          | 7                                       | 7                                      |
| Private                                                                    | Woods Hole Oceanographic Inst.        | 69,704                                    | 46,629                                    | 23,075                                     | 49.5%                                          | 23                                      | 5                                      |
| Private                                                                    | Yale University                       | 223,360                                   | 173,432                                   | 49,929                                     | 28.8%                                          | 4                                       | 3                                      |
| Private                                                                    | Yeshiva University                    | 98,587                                    | 79,295                                    | 19,292                                     | 24.3%                                          | 6                                       | 0                                      |

| Federal Research in Constant 1983 Dollars |                                         |                                            |                                                |                                         |                                        | Non-Federal Research in Constant 1983 Dollars |                                             |                                            |                                                |                                         |                                        |
|-------------------------------------------|-----------------------------------------|--------------------------------------------|------------------------------------------------|-----------------------------------------|----------------------------------------|-----------------------------------------------|---------------------------------------------|--------------------------------------------|------------------------------------------------|-----------------------------------------|----------------------------------------|
| 2012<br>Federal<br>Research<br>x \$1000   | 2003<br>Federal<br>Research<br>x \$1000 | Net<br>Change<br>in<br>Constant<br>Dollars | Percent<br>Change<br>in<br>Constant<br>Dollars | Net<br>Change<br>in<br>National<br>Rank | Net<br>Change<br>in<br>Control<br>Rank | 2012<br>Non-Federal<br>Research<br>x \$1000   | 2003<br>Non-Federal<br>Research<br>x \$1000 | Net<br>Change<br>in<br>Constant<br>Dollars | Percent<br>Change<br>in<br>Constant<br>Dollars | Net<br>Change<br>in<br>National<br>Rank | Net<br>Change<br>in<br>Control<br>Rank |
| 29,963                                    | 31,690                                  | -1,727                                     | -5.4%                                          | -13                                     | -13                                    | 9,457                                         | 15,284                                      | -5,827                                     | -38.1%                                         | -43                                     | -28                                    |
| 76,938                                    | 77,598                                  | -660                                       | -0.9%                                          | -10                                     | -7                                     | 47,076                                        | 14,655                                      | 32,420                                     | 221.2%                                         | 73                                      | 57                                     |
| 299,125                                   | 253,050                                 | 46,074                                     | 18.2%                                          | 0                                       | 0                                      | 64,288                                        | 53,335                                      | 10,953                                     | 20.5%                                          | 1                                       | 3                                      |
| 190,227                                   | 177,274                                 | 12,954                                     | 7.3%                                           | -5                                      | -2                                     | 161,312                                       | 143,532                                     | 17,780                                     | 12.4%                                          | -2                                      | -2                                     |
| 18,987                                    | 10,373                                  | 8,613                                      | 83.0%                                          | 34                                      | 26                                     | 2,780                                         | 16,495                                      | -13,715                                    | -83.1%                                         | -127                                    | -94                                    |
| 36,516                                    | 42,724                                  | -6,208                                     | -14.5%                                         | -23                                     | -16                                    | 16,458                                        | 19,403                                      | -2,944                                     | -15.2%                                         | -24                                     | -17                                    |
| 146,825                                   | 99,313                                  | 47,511                                     | 47.8%                                          | 6                                       | 2                                      | 35,281                                        | 24,202                                      | 11,079                                     | 45.8%                                          | 11                                      | -4                                     |
| 42,582                                    | 36,329                                  | 6,252                                      | 17.2%                                          | 8                                       | 6                                      | 18,581                                        | 20,245                                      | -1,664                                     | -8.2%                                          | -17                                     | -10                                    |
| 61,866                                    | 43,909                                  | 17,956                                     | 40.9%                                          | 8                                       | 5                                      | 90,966                                        | 66,960                                      | 24,006                                     | 35.9%                                          | 10                                      | 9                                      |
| 58,935                                    | 48,528                                  | 10,407                                     | 21.4%                                          | -3                                      | -1                                     | 10,557                                        | 9,815                                       | 742                                        | 7.6%                                           | -8                                      | -6                                     |
| 40,982                                    | 31,610                                  | 9,372                                      | 29.6%                                          | 14                                      | 10                                     | 57,491                                        | 46,766                                      | 10,726                                     | 22.9%                                          | 6                                       | 6                                      |
| 147,503                                   | 159,885                                 | -12,381                                    | -7.7%                                          | -10                                     | -5                                     | 87,527                                        | 52,330                                      | 35,197                                     | 67.3%                                          | 21                                      | 6                                      |
| 42,967                                    | 46,066                                  | -3,099                                     | -6.7%                                          | -11                                     | -8                                     | 32,644                                        | 49,965                                      | -17,322                                    | -34.7%                                         | -32                                     | -21                                    |
| 58,815                                    | 48,379                                  | 10,436                                     | 21.6%                                          | -3                                      | -1                                     | 41,053                                        | 20,372                                      | 20,680                                     | 101.5%                                         | 33                                      | 7                                      |
| 26,599                                    | 27,106                                  | -507                                       | -1.9%                                          | -15                                     | -13                                    | 28,646                                        | 19,758                                      | 8,887                                      | 45.0%                                          | 18                                      | 16                                     |
| 54,956                                    | 37,765                                  | 17,191                                     | 45.5%                                          | 16                                      | 3                                      | 14,748                                        | 8,864                                       | 5,884                                      | 66.4%                                          | 24                                      | 3                                      |
| 176,373                                   | 132,749                                 | 43,624                                     | 32.9%                                          | 3                                       | 4                                      | 46,987                                        | 40,683                                      | 6,305                                      | 15.5%                                          | -4                                      | -2                                     |
| 68,697                                    | 57,667                                  | 11,029                                     | 19.1%                                          | -4                                      | -1                                     | 29,891                                        | 21,628                                      | 8,262                                      | 38.2%                                          | 9                                       | -2                                     |

| Change: Private Support & Doctorates                                    |                                       | Endowment Assets in Constant 1998 Dollars |                                         |                                            |                                                |                                         |                                        |
|-------------------------------------------------------------------------|---------------------------------------|-------------------------------------------|-----------------------------------------|--------------------------------------------|------------------------------------------------|-----------------------------------------|----------------------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                       | 2013<br>Endowment<br>Assets<br>x \$1000   | 2004<br>Endowment<br>Assets<br>x \$1000 | Net<br>Change<br>in<br>Constant<br>Dollars | Percent<br>Change<br>in<br>Constant<br>Dollars | Net<br>Change<br>in<br>National<br>Rank | Net<br>Change<br>in<br>Control<br>Rank |
| Public                                                                  | Arizona State University - Tempe      | 342,840                                   | 197,620                                 | 145,220                                    | 73.5%                                          | 38                                      | 16                                     |
| Public                                                                  | Auburn University                     | 323,834                                   | 214,470                                 | 109,364                                    | 51.0%                                          | 19                                      | 3                                      |
| Private                                                                 | Baylor College of Medicine            | 541,882                                   | 775,158                                 | -233,276                                   | -30.1%                                         | -34                                     | -22                                    |
| Private                                                                 | Boston University                     | 849,414                                   | 553,297                                 | 296,117                                    | 53.5%                                          | 14                                      | 11                                     |
| Private                                                                 | Brandeis University                   | 475,200                                   | 372,872                                 | 102,328                                    | 27.4%                                          | 6                                       | 10                                     |
| Private                                                                 | Brown University                      | 1,655,902                                 | 1,313,224                               | 342,678                                    | 26.1%                                          | -3                                      | -1                                     |
| Private                                                                 | California Institute of Technology    | 1,147,296                                 | 1,005,366                               | 141,929                                    | 14.1%                                          | -2                                      | 2                                      |
| Private                                                                 | Carnegie Mellon University            | 850,521                                   | 613,039                                 | 237,482                                    | 38.7%                                          | 6                                       | 7                                      |
| Private                                                                 | Case Western Reserve University       | 1,041,045                                 | 1,149,418                               | -108,373                                   | -9.4%                                          | -17                                     | -8                                     |
| Public                                                                  | Clemson University                    | 327,898                                   | 211,153                                 | 116,745                                    | 55.3%                                          | 24                                      | 7                                      |
| Public                                                                  | Cleveland State University            | 38,271                                    | 20,642                                  | 17,629                                     | 85.4%                                          | 101                                     | 22                                     |
| Private                                                                 | Cold Springs Harbor Laboratory        |                                           |                                         |                                            |                                                |                                         |                                        |
| Public                                                                  | Colorado State Univ. - Fort Collins   | 152,499                                   | 98,473                                  | 54,026                                     | 54.9%                                          | 53                                      | 11                                     |
| Private                                                                 | Columbia University                   | 5,084,325                                 | 3,581,887                               | 1,502,438                                  | 42.0%                                          | -1                                      | 1                                      |
| Private                                                                 | Cornell University                    | 2,563,809                                 | 2,116,018                               | 447,791                                    | 21.2%                                          | -1                                      | 0                                      |
| Private                                                                 | Dartmouth College                     | 2,315,576                                 | 1,956,562                               | 359,014                                    | 18.4%                                          | -2                                      | -1                                     |
| Private                                                                 | Drexel University                     | 364,019                                   | 338,289                                 | 25,730                                     | 7.6%                                           | -23                                     | -11                                    |
| Private                                                                 | Duke University                       | 3,746,611                                 | 2,641,808                               | 1,104,803                                  | 41.8%                                          | 0                                       | 1                                      |
| Private                                                                 | Emory University                      | 3,607,112                                 | 3,615,770                               | -8,658                                     | -0.2%                                          | -9                                      | -6                                     |
| Public                                                                  | Florida International University      | 92,648                                    | 57,302                                  | 35,346                                     | 61.7%                                          | 48                                      | 2                                      |
| Public                                                                  | Florida State University              | 339,929                                   | 328,462                                 | 11,466                                     | 3.5%                                           | -26                                     | -15                                    |
| Public                                                                  | George Mason University               | 36,753                                    | 29,895                                  | 6,858                                      | 22.9%                                          | -30                                     | -29                                    |
| Private                                                                 | George Washington University          | 852,900                                   | 584,986                                 | 267,914                                    | 45.8%                                          | 12                                      | 10                                     |
| Private                                                                 | Georgetown University                 | 797,778                                   | 542,583                                 | 255,194                                    | 47.0%                                          | 12                                      | 11                                     |
| Public                                                                  | Georgia Health Sciences University    | 88,197                                    | 77,024                                  | 11,174                                     | 14.5%                                          | -10                                     | -18                                    |
| Public                                                                  | Georgia Institute of Technology       | 1,063,566                                 | 890,978                                 | 172,588                                    | 19.4%                                          | -3                                      | -4                                     |
| Private                                                                 | Harvard University                    | 20,053,729                                | 17,652,917                              | 2,400,812                                  | 13.6%                                          | 0                                       | 0                                      |
| Private                                                                 | Icahn School of Med. at Mount Sinai   | 391,047                                   |                                         |                                            |                                                |                                         |                                        |
| Public                                                                  | Indiana University - Bloomington      | 517,943                                   | 419,812                                 | 98,132                                     | 23.4%                                          | 0                                       | -1                                     |
| Public                                                                  | Indiana U. - Purdue U. - Indianapolis | 440,266                                   | 387,518                                 | 52,748                                     | 13.6%                                          | -10                                     | -8                                     |
| Public                                                                  | Iowa State University                 | 417,714                                   | 319,375                                 | 98,339                                     | 30.8%                                          | 6                                       | -4                                     |
| Private                                                                 | Johns Hopkins University              | 1,852,722                                 | 1,638,678                               | 214,044                                    | 13.1%                                          | -3                                      | 0                                      |
| Public                                                                  | Kansas State University               | 226,171                                   | 164,299                                 | 61,873                                     | 37.7%                                          | 7                                       | -7                                     |
| Public                                                                  | Louisiana State Univ. - Baton Rouge   | 237,811                                   | 205,521                                 | 32,290                                     | 15.7%                                          | -11                                     | -10                                    |
| Public                                                                  | Louisiana St. U. HSC - New Orleans    | 52,711                                    | 46,977                                  | 5,734                                      | 12.2%                                          | -42                                     | -24                                    |
| Private                                                                 | Massachusetts Inst. of Technology     | 6,825,879                                 | 4,675,747                               | 2,150,132                                  | 46.0%                                          | 0                                       | 0                                      |
| Private                                                                 | Medical College of Wisconsin          | 370,796                                   | 296,985                                 | 73,811                                     | 24.9%                                          | -7                                      | -1                                     |
| Public                                                                  | Medical University of South Carolina  | 168,892                                   | 65,508                                  | 103,384                                    | 157.8%                                         | 144                                     | 38                                     |
| Public                                                                  | Michigan State University             | 1,214,569                                 | 597,394                                 | 617,175                                    | 103.3%                                         | 26                                      | 4                                      |
| Public                                                                  | Mississippi State University          | 244,932                                   | 137,041                                 | 107,891                                    | 78.7%                                          | 46                                      | 11                                     |
| Public                                                                  | Montana State University - Bozeman    | 82,412                                    | 53,738                                  | 28,673                                     | 53.4%                                          | 35                                      | -6                                     |
| Public                                                                  | Naval Postgraduate School             | 3,043                                     |                                         |                                            |                                                |                                         |                                        |
| Public                                                                  | New Jersey Institute of Technology    | 51,455                                    | 39,802                                  | 11,653                                     | 29.3%                                          | 5                                       | -9                                     |
| Public                                                                  | New Mexico State Univ. - Las Cruces   | 122,419                                   | 87,708                                  | 34,711                                     | 39.6%                                          | 34                                      | 1                                      |
| Private                                                                 | New York University                   | 1,828,970                                 | 1,155,541                               | 673,428                                    | 58.3%                                          | 1                                       | 1                                      |
| Public                                                                  | North Carolina State University       | 477,184                                   | 258,443                                 | 218,741                                    | 84.6%                                          | 42                                      | 10                                     |
| Public                                                                  | North Dakota State University         | 70,270                                    | 10,046                                  | 60,224                                     | 599.5%                                         | 428                                     | 144                                    |
| Private                                                                 | Northeastern University               | 382,426                                   | 397,389                                 | -14,963                                    | -3.8%                                          | -35                                     | -19                                    |
| Private                                                                 | Northwestern University               | 4,889,237                                 | 2,924,452                               | 1,964,784                                  | 67.2%                                          | 2                                       | 3                                      |

| Annual Giving in Constant 1998 Dollars |                                      |                                            |                                                |                                         |                                        | Doctorates Awarded            |                               |                                   |                                       |                                         |                                        |
|----------------------------------------|--------------------------------------|--------------------------------------------|------------------------------------------------|-----------------------------------------|----------------------------------------|-------------------------------|-------------------------------|-----------------------------------|---------------------------------------|-----------------------------------------|----------------------------------------|
| 2013<br>Annual<br>Giving<br>x \$1000   | 2004<br>Annual<br>Giving<br>x \$1000 | Net<br>Change<br>in<br>Constant<br>Dollars | Percent<br>Change<br>in<br>Constant<br>Dollars | Net<br>Change<br>in<br>National<br>Rank | Net<br>Change<br>in<br>Control<br>Rank | 2013<br>Doctorates<br>Awarded | 2004<br>Doctorates<br>Awarded | Net<br>Change<br>in<br>Doctorates | Percent<br>Change<br>in<br>Doctorates | Net<br>Change<br>in<br>National<br>Rank | Net<br>Change<br>in<br>Control<br>Rank |
| 66,988                                 | 60,910                               | 6,078                                      | 10.0%                                          | -4                                      | -6                                     | 519                           | 355                           | 164                               | 46.2%                                 | 9                                       | 6                                      |
| 42,118                                 | 42,785                               | -667                                       | -1.6%                                          | -13                                     | -17                                    | 237                           | 161                           | 76                                | 47.2%                                 | 10                                      | 4                                      |
| 62,355                                 | 64,148                               | -1,793                                     | -2.8%                                          | -16                                     | -1                                     | 85                            | 78                            | 7                                 | 9.0%                                  | -22                                     | -1                                     |
| 72,292                                 | 71,297                               | 995                                        | 1.4%                                           | -5                                      | 1                                      | 488                           | 267                           | 221                               | 82.8%                                 | 23                                      | 6                                      |
| 33,836                                 | 49,323                               | -15,487                                    | -31.4%                                         | -50                                     | -12                                    | 93                            | 82                            | 11                                | 13.4%                                 | -17                                     | 0                                      |
| 109,413                                | 74,729                               | 34,684                                     | 46.4%                                          | 17                                      | 7                                      | 205                           | 147                           | 58                                | 39.5%                                 | 6                                       | 4                                      |
| 64,157                                 | 81,548                               | -17,391                                    | -21.3%                                         | -26                                     | -3                                     | 236                           | 166                           | 70                                | 42.2%                                 | 6                                       | 4                                      |
| 69,564                                 | 45,410                               | 24,154                                     | 53.2%                                          | 24                                      | 14                                     | 295                           | 195                           | 100                               | 51.3%                                 | 7                                       | 4                                      |
| 58,446                                 | 54,876                               | 3,570                                      | 6.5%                                           | -13                                     | 0                                      | 168                           | 203                           | -35                               | -17.2%                                | -37                                     | -11                                    |
| 46,928                                 | 28,657                               | 18,271                                     | 63.8%                                          | 28                                      | 10                                     | 187                           | 113                           | 74                                | 65.5%                                 | 17                                      | 5                                      |
| 3,822                                  | 4,102                                | -279                                       | -6.8%                                          | 22                                      | -9                                     | 44                            | 37                            | 7                                 | 18.9%                                 | 2                                       | -16                                    |
|                                        |                                      |                                            |                                                |                                         |                                        |                               |                               |                                   |                                       |                                         |                                        |
| 69,756                                 | 37,244                               | 32,511                                     | 87.3%                                          | 41                                      | 20                                     | 232                           | 160                           | 72                                | 45.0%                                 | 8                                       | 3                                      |
| 401,060                                | 231,681                              | 169,380                                    | 73.1%                                          | 2                                       | 2                                      | 627                           | 495                           | 132                               | 26.7%                                 | -1                                      | 1                                      |
| 202,494                                | 84,032                               | 118,462                                    | 141.0%                                         | 27                                      | 12                                     | 490                           | 412                           | 78                                | 18.9%                                 | -5                                      | -2                                     |
| 99,334                                 | 92,934                               | 6,401                                      | 6.9%                                           | -2                                      | 1                                      | 91                            | 55                            | 36                                | 65.5%                                 | 32                                      | 25                                     |
| 40,284                                 | 30,396                               | 9,887                                      | 32.5%                                          | 13                                      | 11                                     | 207                           | 111                           | 96                                | 86.5%                                 | 28                                      | 15                                     |
| 262,753                                | 203,285                              | 59,467                                     | 29.3%                                          | 3                                       | 0                                      | 495                           | 259                           | 236                               | 91.1%                                 | 27                                      | 9                                      |
| 126,627                                | 107,041                              | 19,586                                     | 18.3%                                          | -4                                      | -2                                     | 227                           | 164                           | 63                                | 38.4%                                 | 1                                       | 3                                      |
| 15,323                                 | 11,146                               | 4,177                                      | 37.5%                                          | 67                                      | 16                                     | 156                           | 78                            | 78                                | 100.0%                                | 42                                      | 18                                     |
| 38,000                                 | 35,619                               | 2,381                                      | 6.7%                                           | -11                                     | -15                                    | 370                           | 271                           | 99                                | 36.5%                                 | 1                                       | 1                                      |
| 27,671                                 | 12,244                               | 15,427                                     | 126.0%                                         | 111                                     | 40                                     | 249                           | 149                           | 100                               | 67.1%                                 | 23                                      | 13                                     |
| 52,367                                 | 37,334                               | 15,033                                     | 40.3%                                          | 14                                      | 13                                     | 228                           | 255                           | -27                               | -10.6%                                | -29                                     | -4                                     |
| 81,273                                 | 83,822                               | -2,549                                     | -3.0%                                          | -3                                      | 1                                      | 131                           | 71                            | 60                                | 84.5%                                 | 36                                      | 24                                     |
| 21,021                                 | 5,724                                | 15,297                                     | 267.3%                                         | 262                                     | 85                                     | 0                             | 7                             | -7                                | -100.0%                               | -160                                    | -70                                    |
| 63,705                                 | 50,993                               | 12,712                                     | 24.9%                                          | -3                                      | -9                                     | 488                           | 311                           | 177                               | 56.9%                                 | 11                                      | 7                                      |
| 491,357                                | 430,753                              | 60,604                                     | 14.1%                                          | -1                                      | -1                                     | 686                           | 572                           | 114                               | 19.9%                                 | -2                                      | 2                                      |
| 78,782                                 | 156,061                              | -77,279                                    | -49.5%                                         | -32                                     | -13                                    | 35                            | 27                            | 8                                 | 29.6%                                 | 13                                      | 19                                     |
| 99,572                                 |                                      |                                            |                                                |                                         |                                        | 479                           | 391                           | 88                                | 22.5%                                 | -8                                      | -5                                     |
| 78,977                                 |                                      |                                            |                                                |                                         |                                        | 48                            | 35                            | 13                                | 37.1%                                 | 18                                      | -9                                     |
| 38,631                                 | 42,871                               | -4,240                                     | -9.9%                                          | -23                                     | -25                                    | 363                           | 239                           | 124                               | 51.9%                                 | 10                                      | 6                                      |
| 321,618                                | 248,386                              | 73,232                                     | 29.5%                                          | 0                                       | 0                                      | 530                           | 362                           | 168                               | 46.4%                                 | 10                                      | 4                                      |
| 67,019                                 | 43,210                               | 23,809                                     | 55.1%                                          | 26                                      | 8                                      | 158                           | 146                           | 12                                | 8.2%                                  | -10                                     | -8                                     |
| 60,094                                 |                                      |                                            |                                                |                                         |                                        | 305                           | 240                           | 65                                | 27.1%                                 | -3                                      | -5                                     |
| 1,511                                  |                                      |                                            |                                                |                                         |                                        | 21                            | 39                            | -18                               | -46.2%                                | -99                                     | -56                                    |
| 250,275                                | 231,059                              | 19,216                                     | 8.3%                                           | -4                                      | -3                                     | 587                           | 467                           | 120                               | 25.7%                                 | 0                                       | 1                                      |
| 8,226                                  | 9,726                                | -1,500                                     | -15.4%                                         | -19                                     | 2                                      | 40                            | 29                            | 11                                | 37.9%                                 | 19                                      | 22                                     |
| 27,190                                 | 13,234                               | 13,957                                     | 105.5%                                         | 89                                      | 33                                     | 137                           | 30                            | 107                               | 356.7%                                | 149                                     | 70                                     |
| 81,224                                 | 85,379                               | -4,155                                     | -4.9%                                          | -6                                      | -5                                     | 499                           | 430                           | 69                                | 16.1%                                 | -5                                      | -3                                     |
| 40,887                                 | 45,073                               | -4,186                                     | -9.3%                                          | -19                                     | -21                                    | 131                           | 85                            | 46                                | 54.1%                                 | 13                                      | -2                                     |
| 10,332                                 |                                      |                                            |                                                |                                         |                                        | 49                            | 42                            | 7                                 | 16.7%                                 | -2                                      | -17                                    |
|                                        |                                      |                                            |                                                |                                         |                                        | 19                            | 0                             | 19                                |                                       | 206                                     | 35                                     |
| 6,216                                  | 8,701                                | -2,484                                     | -28.6%                                         | -58                                     | -31                                    | 67                            | 69                            | -2                                | -2.9%                                 | -25                                     | -25                                    |
| 7,752                                  | 17,003                               | -9,252                                     | -54.4%                                         | -150                                    | -66                                    | 132                           | 78                            | 54                                | 69.2%                                 | 22                                      | 3                                      |
| 278,683                                | 171,290                              | 107,394                                    | 62.7%                                          | 8                                       | 3                                      | 405                           | 407                           | -2                                | -0.5%                                 | -22                                     | -6                                     |
| 81,481                                 | 107,742                              | -26,262                                    | -24.4%                                         | -20                                     | -11                                    | 488                           | 338                           | 150                               | 44.4%                                 | 6                                       | 4                                      |
| 5,725                                  | 7,925                                | -2,200                                     | -27.8%                                         | -51                                     | -31                                    | 81                            | 32                            | 49                                | 153.1%                                | 86                                      | 32                                     |
| 29,043                                 | 17,809                               | 11,234                                     | 63.1%                                          | 44                                      | 27                                     | 177                           | 69                            | 108                               | 156.5%                                | 71                                      | 35                                     |
| 183,332                                | 107,489                              | 75,843                                     | 70.6%                                          | 9                                       | 2                                      | 481                           | 367                           | 114                               | 31.1%                                 | -3                                      | -2                                     |

| Change: Private Support & Doctorates                                    |                                        | Endowment Assets in Constant 1998 Dollars |                                         |                                            |                                                |                                         |                                        |
|-------------------------------------------------------------------------|----------------------------------------|-------------------------------------------|-----------------------------------------|--------------------------------------------|------------------------------------------------|-----------------------------------------|----------------------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                        | 2013<br>Endowment<br>Assets<br>x \$1000   | 2004<br>Endowment<br>Assets<br>x \$1000 | Net<br>Change<br>in<br>Constant<br>Dollars | Percent<br>Change<br>in<br>Constant<br>Dollars | Net<br>Change<br>in<br>National<br>Rank | Net<br>Change<br>in<br>Control<br>Rank |
| Public                                                                  | Ohio State University - Columbus       | 1,953,115                                 | 1,228,625                               | 724,490                                    | 59.0%                                          | 3                                       | 1                                      |
| Public                                                                  | Oklahoma State University - Stillwater | 241,581                                   | 134,828                                 | 106,753                                    | 79.2%                                          | 48                                      | 11                                     |
| Public                                                                  | Oregon Health & Science University     | 287,754                                   | 228,808                                 | 58,946                                     | 25.8%                                          | -4                                      | -7                                     |
| Public                                                                  | Oregon State University                | 275,261                                   | 221,359                                 | 53,902                                     | 24.4%                                          | -5                                      | -8                                     |
| Public                                                                  | Penn. State U. - Hershey Med. Ctr.     | 191,835                                   | 126,286                                 | 65,549                                     | 51.9%                                          | 25                                      | 3                                      |
| Public                                                                  | Pennsylvania State Univ. - Univ. Park  | 875,249                                   | 621,158                                 | 254,091                                    | 40.9%                                          | 6                                       | -1                                     |
| Private                                                                 | Princeton University                   | 11,287,909                                | 7,914,761                               | 3,373,148                                  | 42.6%                                          | -1                                      | -1                                     |
| Public                                                                  | Purdue University - West Lafayette     | 1,353,382                                 | 962,325                                 | 391,058                                    | 40.6%                                          | 4                                       | -2                                     |
| Private                                                                 | Rensselaer Polytechnic Institute       | 382,562                                   | 454,544                                 | -71,982                                    | -15.8%                                         | -44                                     | -23                                    |
| Private                                                                 | Rice University                        | 2,999,739                                 | 2,632,717                               | 367,022                                    | 13.9%                                          | -3                                      | -1                                     |
| Private                                                                 | Rockefeller University                 | 1,099,239                                 | 1,111,884                               | -12,645                                    | -1.1%                                          | -12                                     | -5                                     |
| Private                                                                 | Rush University                        | 310,594                                   | 271,196                                 | 39,398                                     | 14.5%                                          | -15                                     | -3                                     |
| Public                                                                  | Rutgers University - New Brunswick     | 485,922                                   | 329,959                                 | 155,962                                    | 47.3%                                          | 23                                      | 2                                      |
| Public                                                                  | San Diego State University             | 98,243                                    | 61,628                                  | 36,616                                     | 59.4%                                          | 48                                      | 2                                      |
| Private                                                                 | Scripps Research Institute             |                                           |                                         |                                            |                                                |                                         |                                        |
| Public                                                                  | South Dakota State University          | 54,760                                    | 40,349                                  | 14,410                                     | 35.7%                                          | 20                                      | -6                                     |
| Private                                                                 | Stanford University                    | 11,590,836                                | 7,909,818                               | 3,681,018                                  | 46.5%                                          | 1                                       | 1                                      |
| Public                                                                  | Stony Brook University                 | 112,080                                   | 46,117                                  | 65,963                                     | 143.0%                                         | 145                                     | 30                                     |
| Public                                                                  | Temple University                      | 200,844                                   | 132,437                                 | 68,406                                     | 51.7%                                          | 24                                      | 4                                      |
| Public                                                                  | Texas A&M Univ. - College Station      | 5,006,289                                 | 3,207,647                               | 1,798,642                                  | 56.1%                                          | 0                                       | -1                                     |
| Private                                                                 | Thomas Jefferson University            | 208,795                                   |                                         | 208,795                                    |                                                |                                         |                                        |
| Private                                                                 | Tufts University                       | 893,415                                   | 599,836                                 | 293,579                                    | 48.9%                                          | 10                                      | 10                                     |
| Private                                                                 | Tulane University                      | 649,854                                   | 552,193                                 | 97,661                                     | 17.7%                                          | -1                                      | 1                                      |
| Public                                                                  | Uniformed Services Univ. of the HS     |                                           |                                         |                                            |                                                |                                         |                                        |
| Public                                                                  | University at Albany                   | 24,980                                    | 13,064                                  | 11,917                                     | 91.2%                                          | 76                                      | 15                                     |
| Public                                                                  | University at Buffalo                  | 343,834                                   | 341,259                                 | 2,575                                      | 0.8%                                           | -27                                     | -14                                    |
| Public                                                                  | University of Alabama - Birmingham     | 232,116                                   | 227,420                                 | 4,696                                      | 2.1%                                           | -34                                     | -22                                    |
| Public                                                                  | University of Alabama - Huntsville     | 40,925                                    | 17,837                                  | 23,088                                     | 129.4%                                         | 154                                     | 45                                     |
| Public                                                                  | University of Alaska - Fairbanks       | 131,068                                   | 109,114                                 | 21,954                                     | 20.1%                                          | 2                                       | -13                                    |
| Public                                                                  | University of Arizona                  | 379,405                                   | 277,699                                 | 101,706                                    | 36.6%                                          | 4                                       | -2                                     |
| Public                                                                  | Univ. of Arkansas for Med. Sciences    | 18,293                                    | 55,886                                  | -37,593                                    | -67.3%                                         | -392                                    | -153                                   |
| Public                                                                  | University of California - Berkeley    | 2,065,609                                 | 1,624,133                               | 441,476                                    | 27.2%                                          | 1                                       | 0                                      |
| Public                                                                  | University of California - Davis       | 489,995                                   | 60,619                                  | 429,376                                    | 708.3%                                         | 297                                     | 103                                    |
| Public                                                                  | University of California - Irvine      | 204,731                                   | 117,255                                 | 87,476                                     | 74.6%                                          | 49                                      | 8                                      |
| Public                                                                  | University of California - Los Angeles | 1,629,244                                 | 467,828                                 | 1,161,416                                  | 248.3%                                         | 50                                      | 15                                     |
| Public                                                                  | University of California - Riverside   | 92,272                                    | 61,138                                  | 31,133                                     | 50.9%                                          | 40                                      | -1                                     |
| Public                                                                  | University of California - San Diego   | 398,544                                   | 146,834                                 | 251,710                                    | 171.4%                                         | 92                                      | 32                                     |
| Public                                                                  | Univ. of California - San Francisco    | 1,064,389                                 | 247,546                                 | 816,843                                    | 330.0%                                         | 99                                      | 33                                     |
| Public                                                                  | Univ. of California - Santa Barbara    | 140,186                                   | 84,774                                  | 55,412                                     | 65.4%                                          | 64                                      | 12                                     |
| Public                                                                  | University of California - Santa Cruz  | 77,479                                    | 63,830                                  | 13,649                                     | 21.4%                                          | -7                                      | -19                                    |
| Public                                                                  | University of Central Florida          | 84,014                                    | 56,854                                  | 27,160                                     | 47.8%                                          | 30                                      | -7                                     |
| Private                                                                 | University of Chicago                  | 4,136,098                                 | 2,886,444                               | 1,249,653                                  | 43.3%                                          | 0                                       | 1                                      |
| Public                                                                  | University of Cincinnati - Cincinnati  | 648,485                                   | 787,462                                 | -138,977                                   | -17.7%                                         | -24                                     | -9                                     |
| Public                                                                  | University of Colorado - Boulder       | 307,504                                   | 199,218                                 | 108,287                                    | 54.4%                                          | 25                                      | 6                                      |
| Public                                                                  | University of Colorado - Denver        | 241,611                                   | 135,468                                 | 106,142                                    | 78.4%                                          | 47                                      | 11                                     |
| Public                                                                  | Univ. of Connecticut - Health Center   | 57,633                                    | 51,818                                  | 5,815                                      | 11.2%                                          | -38                                     | -23                                    |
| Public                                                                  | University of Connecticut - Storrs     | 155,823                                   | 105,207                                 | 50,616                                     | 48.1%                                          | 42                                      | 7                                      |
| Private                                                                 | University of Dayton                   | 274,285                                   | 242,883                                 | 31,402                                     | 12.9%                                          | -19                                     | -5                                     |
| Public                                                                  | University of Delaware                 | 726,357                                   | 793,923                                 | -67,566                                    | -8.5%                                          | -17                                     | -7                                     |

| Annual Giving in Constant 1998 Dollars |                                      |                                            |                                                |                                         |                                        | Doctorates Awarded            |                               |                                   |                                       |                                         |                                        |
|----------------------------------------|--------------------------------------|--------------------------------------------|------------------------------------------------|-----------------------------------------|----------------------------------------|-------------------------------|-------------------------------|-----------------------------------|---------------------------------------|-----------------------------------------|----------------------------------------|
| 2013<br>Annual<br>Giving<br>x \$1000   | 2004<br>Annual<br>Giving<br>x \$1000 | Net<br>Change<br>in<br>Constant<br>Dollars | Percent<br>Change<br>in<br>Constant<br>Dollars | Net<br>Change<br>in<br>National<br>Rank | Net<br>Change<br>in<br>Control<br>Rank | 2013<br>Doctorates<br>Awarded | 2004<br>Doctorates<br>Awarded | Net<br>Change<br>in<br>Doctorates | Percent<br>Change<br>in<br>Doctorates | Net<br>Change<br>in<br>National<br>Rank | Net<br>Change<br>in<br>Control<br>Rank |
| 180,227                                | 162,050                              | 18,177                                     | 11.2%                                          | -2                                      | 0                                      | 807                           | 561                           | 246                               | 43.9%                                 | 8                                       | 4                                      |
| 68,337                                 | 32,409                               | 35,928                                     | 110.9%                                         | 53                                      | 30                                     | 238                           | 204                           | 34                                | 16.7%                                 | -7                                      | -7                                     |
| 75,061                                 | 69,436                               | 5,625                                      | 8.1%                                           | -2                                      | -4                                     | 41                            | 49                            | -8                                | -16.3%                                | -41                                     | -38                                    |
| 50,253                                 | 40,886                               | 9,367                                      | 22.9%                                          | 6                                       | -5                                     | 215                           | 173                           | 42                                | 24.3%                                 | -7                                      | -6                                     |
| 24,295                                 |                                      |                                            |                                                |                                         |                                        | 20                            | 30                            | -10                               | -33.3%                                | -76                                     | -43                                    |
| 107,980                                | 215,368                              | -107,388                                   | -49.9%                                         | -28                                     | -16                                    | 662                           | 539                           | 123                               | 22.8%                                 | -3                                      | -4                                     |
| 150,430                                | 99,692                               | 50,738                                     | 50.9%                                          | 9                                       | 2                                      | 319                           | 276                           | 43                                | 15.6%                                 | -11                                     | -2                                     |
| 75,411                                 | 123,251                              | -47,840                                    | -38.8%                                         | -30                                     | -18                                    | 684                           | 446                           | 238                               | 53.4%                                 | 5                                       | 1                                      |
| 25,933                                 | 32,203                               | -6,270                                     | -19.5%                                         | -28                                     | -10                                    | 150                           | 156                           | -6                                | -3.9%                                 | -24                                     | -7                                     |
| 76,082                                 | 45,215                               | 30,867                                     | 68.3%                                          | 33                                      | 18                                     | 178                           | 126                           | 52                                | 41.3%                                 | 9                                       | 7                                      |
| 23,296                                 | 49,198                               | -25,901                                    | -52.7%                                         | -82                                     | -31                                    | 17                            | 13                            | 4                                 | 30.8%                                 | -2                                      | 15                                     |
|                                        |                                      |                                            |                                                |                                         |                                        | 12                            | 35                            | -23                               | -65.7%                                | -152                                    | -73                                    |
| 56,012                                 | 47,142                               | 8,871                                      | 18.8%                                          | 0                                       | -7                                     | 417                           | 382                           | 35                                | 9.2%                                  | -15                                     | -11                                    |
| 44,935                                 | 39,423                               | 5,512                                      | 14.0%                                          | -6                                      | -10                                    | 82                            | 50                            | 32                                | 64.0%                                 | 30                                      | 5                                      |
|                                        | 31,382                               |                                            |                                                |                                         |                                        |                               |                               |                                   |                                       |                                         |                                        |
|                                        | 6,284                                |                                            |                                                |                                         |                                        | 45                            | 21                            | 24                                | 114.3%                                | 75                                      | 18                                     |
| 577,759                                | 418,162                              | 159,597                                    | 38.2%                                          | 1                                       | 1                                      | 764                           | 625                           | 139                               | 22.2%                                 | -1                                      | 1                                      |
| 60,713                                 | 17,990                               | 42,722                                     | 237.5%                                         | 95                                      | 47                                     | 309                           | 285                           | 24                                | 8.4%                                  | -16                                     | -12                                    |
| 39,081                                 | 23,829                               | 15,252                                     | 64.0%                                          | 33                                      | 14                                     | 208                           | 334                           | -126                              | -37.7%                                | -54                                     | -40                                    |
| 157,920                                | 82,542                               | 75,378                                     | 91.3%                                          | 22                                      | 11                                     | 693                           | 515                           | 178                               | 34.6%                                 | 2                                       | -1                                     |
| 19,517                                 |                                      |                                            |                                                |                                         |                                        | 24                            | 16                            | 8                                 | 50.0%                                 | 34                                      | 39                                     |
| 32,412                                 | 27,598                               | 4,813                                      | 17.4%                                          | 7                                       | 8                                      | 121                           | 99                            | 22                                | 22.2%                                 | -10                                     | 1                                      |
| 48,266                                 | 48,213                               | 53                                         | 0.1%                                           | -19                                     | 1                                      | 130                           | 127                           | 3                                 | 2.4%                                  | -28                                     | -7                                     |
|                                        | 7,457                                |                                            |                                                |                                         |                                        |                               |                               |                                   |                                       |                                         |                                        |
| 5,203                                  | 76,778                               | -71,575                                    | -93.2%                                         | -380                                    | -170                                   | 154                           | 168                           | -14                               | -8.3%                                 | -33                                     | -23                                    |
| 17,800                                 | 18,490                               | -691                                       | -3.7%                                          | -17                                     | -13                                    | 335                           | 299                           | 36                                | 12.0%                                 | -11                                     | -9                                     |
| 39,545                                 | 48,148                               | -8,603                                     | -17.9%                                         | -33                                     | -28                                    | 147                           | 111                           | 36                                | 32.4%                                 | -1                                      | -6                                     |
| 1,510                                  | 5,328                                | -3,818                                     | -71.7%                                         | -341                                    | -145                                   | 28                            | 31                            | -3                                | -9.7%                                 | -31                                     | -26                                    |
| 8,969                                  | 46,346                               | -37,377                                    | -80.7%                                         | -214                                    | -105                                   | 52                            | 20                            | 32                                | 160.0%                                | 108                                     | 34                                     |
| 93,875                                 | 80,557                               | 13,318                                     | 16.5%                                          | 5                                       | 0                                      | 441                           | 398                           | 43                                | 10.8%                                 | -12                                     | -9                                     |
| 16,975                                 | 92,301                               | -75,326                                    | -81.6%                                         | -150                                    | -90                                    | 29                            | 12                            | 17                                | 141.7%                                | 83                                      | 12                                     |
| 211,438                                | 141,906                              | 69,532                                     | 49.0%                                          | 6                                       | 5                                      | 937                           | 775                           | 162                               | 20.9%                                 | 0                                       | 0                                      |
| 64,962                                 | 65,645                               | -683                                       | -1.0%                                          | -13                                     | -13                                    | 580                           | 375                           | 205                               | 54.7%                                 | 11                                      | 7                                      |
| 47,886                                 | 41,301                               | 6,584                                      | 15.9%                                          | -4                                      | -11                                    | 435                           | 187                           | 248                               | 132.6%                                | 38                                      | 25                                     |
| 260,265                                | 208,985                              | 51,280                                     | 24.5%                                          | 0                                       | 1                                      | 784                           | 666                           | 118                               | 17.7%                                 | -1                                      | -2                                     |
| 15,784                                 | 13,686                               | 2,098                                      | 15.3%                                          | 28                                      | 3                                      | 255                           | 141                           | 114                               | 80.9%                                 | 31                                      | 16                                     |
| 103,824                                | 80,468                               | 23,356                                     | 29.0%                                          | 10                                      | 4                                      | 489                           | 327                           | 162                               | 49.5%                                 | 11                                      | 7                                      |
| 239,239                                | 170,598                              | 68,641                                     | 40.2%                                          | 4                                       | 4                                      | 136                           | 95                            | 41                                | 43.2%                                 | 14                                      | 0                                      |
| 37,832                                 | 58,966                               | -21,134                                    | -35.8%                                         | -53                                     | -40                                    | 387                           | 253                           | 134                               | 53.0%                                 | 8                                       | 5                                      |
| 14,689                                 | 11,893                               | 2,796                                      | 23.5%                                          | 49                                      | 8                                      | 160                           | 107                           | 53                                | 49.5%                                 | 19                                      | 6                                      |
| 24,088                                 | 9,744                                | 14,344                                     | 147.2%                                         | 147                                     | 52                                     | 238                           | 132                           | 106                               | 80.3%                                 | 32                                      | 18                                     |
| 179,515                                | 124,772                              | 54,743                                     | 43.9%                                          | 3                                       | 0                                      | 413                           | 331                           | 82                                | 24.8%                                 | -5                                      | 0                                      |
| 65,144                                 | 40,794                               | 24,350                                     | 59.7%                                          | 28                                      | 10                                     | 230                           | 212                           | 18                                | 8.5%                                  | -15                                     | -13                                    |
| 39,306                                 |                                      |                                            |                                                |                                         |                                        | 386                           | 286                           | 100                               | 35.0%                                 | -4                                      | -2                                     |
| 32,000                                 | 17,220                               | 14,780                                     | 85.8%                                          | 56                                      | 20                                     | 122                           | 93                            | 29                                | 31.2%                                 | -1                                      | -7                                     |
| 4,266                                  |                                      |                                            |                                                |                                         |                                        | 23                            | 0                             | 23                                |                                       | 235                                     | 47                                     |
| 24,177                                 |                                      |                                            |                                                |                                         |                                        | 272                           | 257                           | 15                                | 5.8%                                  | -16                                     | -14                                    |
| 11,208                                 | 18,452                               | -7,244                                     | -39.3%                                         | -73                                     | -36                                    | 30                            | 25                            | 5                                 | 20.0%                                 | 5                                       | 12                                     |
| 29,053                                 | 35,430                               | -6,377                                     | -18.0%                                         | -24                                     | -19                                    | 202                           | 177                           | 25                                | 14.1%                                 | -15                                     | -11                                    |

| Change: Private Support & Doctorates                                    |                                       | Endowment Assets in Constant 1998 Dollars |                                         |                                            |                                                |                                         |                                        |
|-------------------------------------------------------------------------|---------------------------------------|-------------------------------------------|-----------------------------------------|--------------------------------------------|------------------------------------------------|-----------------------------------------|----------------------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                       | 2013<br>Endowment<br>Assets<br>x \$1000   | 2004<br>Endowment<br>Assets<br>x \$1000 | Net<br>Change<br>in<br>Constant<br>Dollars | Percent<br>Change<br>in<br>Constant<br>Dollars | Net<br>Change<br>in<br>National<br>Rank | Net<br>Change<br>in<br>Control<br>Rank |
| Public                                                                  | University of Florida                 | 843,251                                   | 588,572                                 | 254,679                                    | 43.3%                                          | 7                                       | 0                                      |
| Public                                                                  | University of Georgia                 | 487,583                                   | 378,348                                 | 109,235                                    | 28.9%                                          | 9                                       | 0                                      |
| Public                                                                  | University of Hawaii - Manoa          | 145,985                                   | 132,493                                 | 13,491                                     | 10.2%                                          | -20                                     | -13                                    |
| Public                                                                  | University of Houston - Univ. Park    | 395,362                                   | 247,087                                 | 148,275                                    | 60.0%                                          | 20                                      | 3                                      |
| Public                                                                  | University of Idaho                   | 129,869                                   | 115,332                                 | 14,537                                     | 12.6%                                          | -13                                     | -19                                    |
| Public                                                                  | University of Illinois - Chicago      | 152,507                                   | 109,664                                 | 42,844                                     | 39.1%                                          | 29                                      | 1                                      |
| Public                                                                  | Univ. of Illinois - Urbana-Champaign  | 812,648                                   | 582,064                                 | 230,584                                    | 39.6%                                          | 8                                       | 1                                      |
| Public                                                                  | University of Iowa                    | 678,997                                   | 588,098                                 | 90,899                                     | 15.5%                                          | -3                                      | -3                                     |
| Public                                                                  | University of Kansas - Lawrence       | 623,559                                   | 528,080                                 | 95,479                                     | 18.1%                                          | -1                                      | -3                                     |
| Public                                                                  | University of Kansas Medical Center   | 175,876                                   | 142,176                                 | 33,700                                     | 23.7%                                          | -2                                      | -9                                     |
| Public                                                                  | University of Kentucky                | 615,503                                   | 389,693                                 | 225,810                                    | 58.0%                                          | 17                                      | 5                                      |
| Public                                                                  | University of Louisville              | 489,046                                   | 442,318                                 | 46,727                                     | 10.6%                                          | -5                                      | -5                                     |
| Public                                                                  | University of Maryland - Baltimore    | 142,650                                   | 106,550                                 | 36,100                                     | 33.9%                                          | 20                                      | -2                                     |
| Public                                                                  | Univ. of Maryland - Baltimore County  | 41,445                                    | 21,097                                  | 20,348                                     | 96.5%                                          | 120                                     | 34                                     |
| Public                                                                  | University of Maryland - College Park | 269,056                                   | 235,825                                 | 33,231                                     | 14.1%                                          | -17                                     | -13                                    |
| Public                                                                  | Univ. of Massachusetts - Amherst      | 168,748                                   | 64,150                                  | 104,598                                    | 163.1%                                         | 147                                     | 39                                     |
| Public                                                                  | Univ. of Mass. Med. Sch. - Worcester  | 106,325                                   | 29,728                                  | 76,597                                     | 257.7%                                         | 265                                     | 68                                     |
| Public                                                                  | Univ. of Medicine & Dentistry of NJ   |                                           | 158,216                                 |                                            |                                                |                                         |                                        |
| Private                                                                 | University of Miami                   | 482,483                                   | 376,487                                 | 105,995                                    | 28.2%                                          | 9                                       | 10                                     |
| Public                                                                  | University of Michigan - Ann Arbor    | 5,198,709                                 | 3,319,048                               | 1,879,661                                  | 56.6%                                          | 1                                       | -1                                     |
| Public                                                                  | University of Minnesota - Twin Cities | 1,710,187                                 | 1,379,206                               | 330,980                                    | 24.0%                                          | -3                                      | -2                                     |
| Public                                                                  | University of Missouri - Columbia     | 429,707                                   | 455,094                                 | -25,387                                    | -5.6%                                          | -28                                     | -17                                    |
| Public                                                                  | University of Nebraska - Lincoln      | 539,681                                   | 497,381                                 | 42,300                                     | 8.5%                                           | -8                                      | -5                                     |
| Public                                                                  | Univ. of Nebraska Medical Center      | 124,542                                   | 114,780                                 | 9,762                                      | 8.5%                                           | -16                                     | -18                                    |
| Public                                                                  | University of Nevada - Reno           | 161,112                                   | 45,303                                  | 115,809                                    | 255.6%                                         | 219                                     | 61                                     |
| Public                                                                  | Univ. of New Hampshire - Durham       | 143,579                                   | 132,731                                 | 10,848                                     | 8.2%                                           | -23                                     | -15                                    |
| Public                                                                  | Univ. of New Mexico - Albuquerque     | 230,282                                   | 182,304                                 | 47,978                                     | 26.3%                                          | -3                                      | -9                                     |
| Public                                                                  | Univ. of North Carolina - Chapel Hill | 1,476,790                                 | 1,050,081                               | 426,709                                    | 40.6%                                          | 1                                       | -1                                     |
| Public                                                                  | University of North Dakota            | 100,959                                   |                                         |                                            |                                                |                                         |                                        |
| Private                                                                 | University of Notre Dame              | 4,252,278                                 | 2,467,894                               | 1,784,383                                  | 72.3%                                          | 4                                       | 5                                      |
| Public                                                                  | University of Oklahoma - Norman       | 574,937                                   | 347,299                                 | 227,638                                    | 65.6%                                          | 27                                      | 7                                      |
| Public                                                                  | University of Oklahoma HSC            | 246,402                                   | 156,034                                 | 90,368                                     | 57.9%                                          | 30                                      | 5                                      |
| Public                                                                  | University of Oregon                  | 342,527                                   | 213,572                                 | 128,955                                    | 60.4%                                          | 26                                      | 9                                      |
| Private                                                                 | University of Pennsylvania            | 4,801,214                                 | 3,203,676                               | 1,597,538                                  | 49.9%                                          | -1                                      | 0                                      |
| Public                                                                  | University of Pittsburgh - Pittsburgh | 1,845,651                                 | 1,088,084                               | 757,567                                    | 69.6%                                          | 5                                       | 1                                      |
| Public                                                                  | University of Rhode Island            | 64,034                                    | 50,913                                  | 13,121                                     | 25.8%                                          | -6                                      | -13                                    |
| Private                                                                 | University of Rochester               | 1,073,460                                 | 1,005,717                               | 67,743                                     | 6.7%                                           | -8                                      | -4                                     |
| Public                                                                  | Univ. of South Carolina - Columbia    | 337,971                                   | 262,909                                 | 75,062                                     | 28.6%                                          | -7                                      | -8                                     |
| Public                                                                  | University of South Florida - Tampa   | 225,706                                   | 215,966                                 | 9,739                                      | 4.5%                                           | -28                                     | -21                                    |
| Private                                                                 | University of Southern California     | 2,399,154                                 | 1,913,248                               | 485,906                                    | 25.4%                                          | 0                                       | 1                                      |
| Public                                                                  | University of Tennessee - Knoxville   | 450,565                                   | 403,563                                 | 47,002                                     | 11.7%                                          | -10                                     | -9                                     |
| Public                                                                  | University of Tennessee HSC           |                                           |                                         |                                            |                                                |                                         |                                        |
| Public                                                                  | University of Texas - Austin          | 5,671,817                                 | 1,625,441                               | 4,046,376                                  | 248.9%                                         | 17                                      | 3                                      |
| Public                                                                  | University of Texas HSC - Houston     | 140,812                                   | 90,450                                  | 50,363                                     | 55.7%                                          | 51                                      | 11                                     |
| Public                                                                  | Univ. of Texas HSC - San Antonio      | 267,946                                   | 221,929                                 | 46,017                                     | 20.7%                                          | -11                                     | -11                                    |
| Public                                                                  | U. of Texas MD Anderson Cancer Ctr.   | 689,447                                   | 285,310                                 | 404,137                                    | 141.7%                                         | 63                                      | 21                                     |
| Public                                                                  | U. of Texas Med. Branch - Galveston   | 307,549                                   | 280,828                                 | 26,721                                     | 9.5%                                           | -20                                     | -14                                    |
| Public                                                                  | U. of Texas SW Med. Center - Dallas   | 899,696                                   | 641,192                                 | 258,504                                    | 40.3%                                          | 4                                       | -1                                     |
| Public                                                                  | University of Utah                    | 462,392                                   | 314,464                                 | 147,928                                    | 47.0%                                          | 21                                      | 2                                      |

| Annual Giving in Constant 1998 Dollars |                                      |                                            |                                                |                                         |                                        | Doctorates Awarded            |                               |                                   |                                       |                                         |                                        |
|----------------------------------------|--------------------------------------|--------------------------------------------|------------------------------------------------|-----------------------------------------|----------------------------------------|-------------------------------|-------------------------------|-----------------------------------|---------------------------------------|-----------------------------------------|----------------------------------------|
| 2013<br>Annual<br>Giving<br>x \$1000   | 2004<br>Annual<br>Giving<br>x \$1000 | Net<br>Change<br>in<br>Constant<br>Dollars | Percent<br>Change<br>in<br>Constant<br>Dollars | Net<br>Change<br>in<br>National<br>Rank | Net<br>Change<br>in<br>Control<br>Rank | 2013<br>Doctorates<br>Awarded | 2004<br>Doctorates<br>Awarded | Net<br>Change<br>in<br>Doctorates | Percent<br>Change<br>in<br>Doctorates | Net<br>Change<br>in<br>National<br>Rank | Net<br>Change<br>in<br>Control<br>Rank |
| 130,832                                | 105,799                              | 25,033                                     | 23.7%                                          | -1                                      | 0                                      | 742                           | 694                           | 48                                | 6.9%                                  | -7                                      | -7                                     |
| 53,222                                 | 48,278                               | 4,943                                      | 10.2%                                          | -9                                      | -13                                    | 440                           | 404                           | 36                                | 8.9%                                  | -14                                     | -11                                    |
| 38,741                                 | 6,170                                | 32,571                                     | 527.9%                                         | 299                                     | 102                                    | 229                           | 116                           | 113                               | 97.4%                                 | 34                                      | 14                                     |
| 52,221                                 | 24,841                               | 27,381                                     | 110.2%                                         | 55                                      | 29                                     | 317                           | 196                           | 121                               | 61.7%                                 | 11                                      | 6                                      |
| 11,014                                 | 15,250                               | -4,236                                     | -27.8%                                         | -48                                     | -28                                    | 95                            | 70                            | 25                                | 35.7%                                 | 10                                      | -1                                     |
| 34,545                                 | 32,010                               | 2,535                                      | 7.9%                                           | -4                                      | -9                                     | 352                           | 233                           | 119                               | 51.1%                                 | 12                                      | 8                                      |
| 105,154                                | 100,206                              | 4,948                                      | 4.9%                                           | -4                                      | -1                                     | 809                           | 574                           | 235                               | 40.9%                                 | 6                                       | 4                                      |
| 75,728                                 | 68,543                               | 7,184                                      | 10.5%                                          | 1                                       | -1                                     | 538                           | 300                           | 238                               | 79.3%                                 | 21                                      | 13                                     |
| 84,194                                 |                                      |                                            |                                                |                                         |                                        | 325                           | 239                           | 86                                | 36.0%                                 | 6                                       | 2                                      |
| 21,049                                 | 21,304                               | -256                                       | -1.2%                                          | -5                                      | -5                                     | 37                            | 17                            | 20                                | 117.7%                                | 80                                      | 14                                     |
| 48,936                                 | 47,382                               | 1,554                                      | 3.3%                                           | -14                                     | -16                                    | 305                           | 233                           | 72                                | 30.9%                                 | 1                                       | -1                                     |
| 76,542                                 | 29,728                               | 46,814                                     | 157.5%                                         | 71                                      | 41                                     | 138                           | 106                           | 32                                | 30.2%                                 | 4                                       | -5                                     |
| 68,003                                 | 32,960                               | 35,043                                     | 106.3%                                         | 48                                      | 26                                     | 81                            | 103                           | -22                               | -21.4%                                | -54                                     | -39                                    |
| 13,060                                 | 8,631                                | 4,428                                      | 51.3%                                          | 107                                     | 29                                     | 95                            | 65                            | 30                                | 46.2%                                 | 17                                      | 2                                      |
| 49,069                                 | 64,776                               | -15,707                                    | -24.3%                                         | -35                                     | -26                                    | 696                           | 482                           | 214                               | 44.4%                                 | 6                                       | 2                                      |
| 19,793                                 | 20,170                               | -377                                       | -1.9%                                          | -11                                     | -9                                     | 295                           | 274                           | 21                                | 7.7%                                  | -16                                     | -13                                    |
| 6,300                                  |                                      |                                            |                                                |                                         |                                        | 52                            | 30                            | 22                                | 73.3%                                 | 51                                      | 11                                     |
|                                        | 50,232                               |                                            |                                                |                                         |                                        | 272                           | 185                           | 87                                | 47.0%                                 | 8                                       | 3                                      |
| 111,970                                | 87,125                               | 24,844                                     | 28.5%                                          | 7                                       | 4                                      | 163                           | 159                           | 4                                 | 2.5%                                  | -17                                     | -6                                     |
| 218,033                                | 164,356                              | 53,677                                     | 32.7%                                          | 3                                       | 3                                      | 885                           | 660                           | 225                               | 34.1%                                 | 4                                       | 3                                      |
| 136,385                                | 195,858                              | -59,474                                    | -30.4%                                         | -14                                     | -7                                     | 772                           | 592                           | 180                               | 30.4%                                 | 2                                       | 0                                      |
| 64,488                                 | 56,237                               | 8,251                                      | 14.7%                                          | -6                                      | -9                                     | 411                           | 251                           | 160                               | 63.8%                                 | 13                                      | 8                                      |
| 74,482                                 | 33,210                               | 41,272                                     | 124.3%                                         | 53                                      | 29                                     | 325                           | 236                           | 89                                | 37.7%                                 | 8                                       | 4                                      |
| 43,727                                 | 7,092                                | 36,636                                     | 516.6%                                         | 272                                     | 100                                    | 42                            | 23                            | 19                                | 82.6%                                 | 56                                      | 11                                     |
| 17,630                                 | 25,765                               | -8,135                                     | -31.6%                                         | -47                                     | -27                                    | 125                           | 77                            | 48                                | 62.3%                                 | 19                                      | 4                                      |
| 12,950                                 | 9,851                                | 3,099                                      | 31.5%                                          | 76                                      | 16                                     | 64                            | 46                            | 18                                | 39.1%                                 | 19                                      | -6                                     |
| 40,883                                 | 31,656                               | 9,227                                      | 29.2%                                          | 11                                      | 1                                      | 202                           | 195                           | 7                                 | 3.6%                                  | -23                                     | -16                                    |
| 169,170                                | 149,025                              | 20,146                                     | 13.5%                                          | -2                                      | 0                                      | 530                           | 439                           | 91                                | 20.7%                                 | -2                                      | -2                                     |
| 5,631                                  |                                      |                                            |                                                |                                         |                                        | 72                            | 58                            | 14                                | 24.1%                                 | -3                                      | -15                                    |
| 153,765                                | 136,365                              | 17,400                                     | 12.8%                                          | -2                                      | -2                                     | 214                           | 149                           | 65                                | 43.6%                                 | 8                                       | 5                                      |
| 100,502                                | 28,368                               | 72,134                                     | 254.3%                                         | 88                                      | 51                                     | 206                           | 136                           | 70                                | 51.5%                                 | 13                                      | 6                                      |
| 19,977                                 | 15,316                               | 4,661                                      | 30.4%                                          | 27                                      | 5                                      | 24                            | 26                            | -2                                | -7.7%                                 | -28                                     | -23                                    |
| 115,139                                | 36,050                               | 79,089                                     | 219.4%                                         | 70                                      | 40                                     | 169                           | 164                           | 5                                 | 3.1%                                  | -19                                     | -13                                    |
| 314,198                                | 265,332                              | 48,866                                     | 18.4%                                          | -3                                      | -3                                     | 527                           | 414                           | 113                               | 27.3%                                 | -2                                      | -1                                     |
| 79,298                                 | 75,634                               | 3,664                                      | 4.8%                                           | 2                                       | 0                                      | 435                           | 382                           | 53                                | 13.9%                                 | -12                                     | -9                                     |
| 7,845                                  | 10,344                               | -2,499                                     | -24.2%                                         | -56                                     | -31                                    | 97                            | 79                            | 18                                | 22.8%                                 | -7                                      | -13                                    |
| 55,832                                 | 45,622                               | 10,210                                     | 22.4%                                          | 2                                       | 8                                      | 290                           | 210                           | 80                                | 38.1%                                 | 0                                       | 1                                      |
| 66,366                                 | 33,583                               | 32,784                                     | 97.6%                                          | 42                                      | 20                                     | 334                           | 241                           | 93                                | 38.6%                                 | 4                                       | 1                                      |
| 22,650                                 | 27,140                               | -4,490                                     | -16.5%                                         | -24                                     | -14                                    | 295                           | 179                           | 116                               | 64.8%                                 | 14                                      | 7                                      |
| 418,332                                | 256,771                              | 161,561                                    | 62.9%                                          | 1                                       | 1                                      | 663                           | 573                           | 90                                | 15.7%                                 | -5                                      | 0                                      |
| 64,603                                 | 97,250                               | -32,647                                    | -33.6%                                         | -35                                     | -25                                    | 484                           | 280                           | 204                               | 72.9%                                 | 15                                      | 12                                     |
|                                        | 27,915                               |                                            |                                                |                                         |                                        |                               |                               |                                   |                                       |                                         |                                        |
| 180,470                                | 201,034                              | -20,564                                    | -10.2%                                         | -6                                      | -3                                     | 849                           | 702                           | 147                               | 20.9%                                 | 0                                       | -1                                     |
| 24,388                                 | 27,927                               | -3,539                                     | -12.7%                                         | -21                                     | -11                                    | 117                           | 98                            | 19                                | 19.4%                                 | -10                                     | -11                                    |
| 23,330                                 | 27,081                               | -3,751                                     | -13.9%                                         | -20                                     | -11                                    | 51                            | 34                            | 17                                | 50.0%                                 | 33                                      | -1                                     |
| 131,796                                | 77,270                               | 54,526                                     | 70.6%                                          | 19                                      | 10                                     |                               |                               |                                   |                                       |                                         |                                        |
| 18,409                                 | 36,800                               | -18,392                                    | -50.0%                                         | -78                                     | -49                                    | 52                            | 35                            | 17                                | 48.6%                                 | 33                                      | 1                                      |
| 65,038                                 | 104,119                              | -39,081                                    | -37.5%                                         | -36                                     | -25                                    | 89                            | 47                            | 42                                | 89.4%                                 | 45                                      | 13                                     |
| 132,713                                | 107,028                              | 25,685                                     | 24.0%                                          | 0                                       | 1                                      | 324                           | 216                           | 108                               | 50.0%                                 | 9                                       | 5                                      |

| Change: Private Support & Doctorates                                       |                                       | Endowment Assets in Constant 1998 Dollars |                                         |                                            |                                                |                                         |                                        |
|----------------------------------------------------------------------------|---------------------------------------|-------------------------------------------|-----------------------------------------|--------------------------------------------|------------------------------------------------|-----------------------------------------|----------------------------------------|
| Institutions with Over \$40 Million<br>in Federal Research, Alphabetically |                                       | 2013<br>Endowment<br>Assets<br>x \$1000   | 2004<br>Endowment<br>Assets<br>x \$1000 | Net<br>Change<br>in<br>Constant<br>Dollars | Percent<br>Change<br>in<br>Constant<br>Dollars | Net<br>Change<br>in<br>National<br>Rank | Net<br>Change<br>in<br>Control<br>Rank |
| Public                                                                     | University of Vermont                 | 232,151                                   | 178,779                                 | 53,372                                     | 29.9%                                          | 2                                       | -6                                     |
| Public                                                                     | University of Virginia                | 3,204,363                                 | 2,226,759                               | 977,604                                    | 43.9%                                          | 0                                       | -1                                     |
| Public                                                                     | University of Washington - Seattle    | 1,455,419                                 | 1,049,031                               | 406,388                                    | 38.7%                                          | 1                                       | -1                                     |
| Public                                                                     | University of Wisconsin - Madison     | 1,447,894                                 | 834,447                                 | 613,447                                    | 73.5%                                          | 12                                      | 1                                      |
| Public                                                                     | University of Wyoming                 | 250,607                                   | 155,239                                 | 95,368                                     | 61.4%                                          | 35                                      | 8                                      |
| Public                                                                     | Utah State University                 | 150,104                                   | 64,839                                  | 85,265                                     | 131.5%                                         | 125                                     | 30                                     |
| Private                                                                    | Vanderbilt University                 | 2,278,264                                 | 1,830,580                               | 447,684                                    | 24.5%                                          | -1                                      | 0                                      |
| Public                                                                     | Virginia Commonwealth University      | 348,686                                   | 175,009                                 | 173,677                                    | 99.2%                                          | 52                                      | 22                                     |
| Public                                                                     | Virginia Polytechnic Inst. and St. U. | 409,543                                   | 295,611                                 | 113,932                                    | 38.5%                                          | 8                                       | -2                                     |
| Private                                                                    | Wake Forest University                | 658,429                                   | 647,479                                 | 10,949                                     | 1.7%                                           | -15                                     | -7                                     |
| Public                                                                     | Washington State Univ. - Pullman      | 482,285                                   | 411,013                                 | 71,272                                     | 17.3%                                          | -5                                      | -6                                     |
| Private                                                                    | Washington University in St. Louis    | 3,505,284                                 | 3,189,456                               | 315,827                                    | 9.9%                                           | -5                                      | -4                                     |
| Public                                                                     | Wayne State University                | 171,320                                   | 138,412                                 | 32,908                                     | 23.8%                                          | -2                                      | -8                                     |
| Private                                                                    | Weill Cornell Medical College         | 706,027                                   | 465,595                                 | 240,432                                    | 51.6%                                          | 16                                      | 13                                     |
| Public                                                                     | West Virginia University              | 285,689                                   | 241,976                                 | 43,713                                     | 18.1%                                          | -10                                     | -10                                    |
| Private                                                                    | Woods Hole Oceanographic Inst.        |                                           |                                         |                                            |                                                |                                         |                                        |
| Private                                                                    | Yale University                       | 12,887,756                                | 10,162,028                              | 2,725,728                                  | 26.8%                                          | 0                                       | 0                                      |
| Private                                                                    | Yeshiva University                    | 734,006                                   | 799,611                                 | -65,605                                    | -8.2%                                          | -17                                     | -10                                    |

| Annual Giving in Constant 1998 Dollars |                                      |                                            |                                                |                                         |                                        | Doctorates Awarded            |                               |                                   |                                       |                                         |                                        |
|----------------------------------------|--------------------------------------|--------------------------------------------|------------------------------------------------|-----------------------------------------|----------------------------------------|-------------------------------|-------------------------------|-----------------------------------|---------------------------------------|-----------------------------------------|----------------------------------------|
| 2013<br>Annual<br>Giving<br>x \$1000   | 2004<br>Annual<br>Giving<br>x \$1000 | Net<br>Change<br>in<br>Constant<br>Dollars | Percent<br>Change<br>in<br>Constant<br>Dollars | Net<br>Change<br>in<br>National<br>Rank | Net<br>Change<br>in<br>Control<br>Rank | 2013<br>Doctorates<br>Awarded | 2004<br>Doctorates<br>Awarded | Net<br>Change<br>in<br>Doctorates | Percent<br>Change<br>in<br>Doctorates | Net<br>Change<br>in<br>National<br>Rank | Net<br>Change<br>in<br>Control<br>Rank |
| 22,949                                 | 21,893                               | 1,057                                      | 4.8%                                           | -4                                      | -1                                     | 84                            | 53                            | 31                                | 58.5%                                 | 26                                      | 5                                      |
| 139,260                                | 132,573                              | 6,688                                      | 5.0%                                           | -4                                      | 0                                      | 399                           | 358                           | 41                                | 11.5%                                 | -14                                     | -10                                    |
| 199,848                                | 56,788                               | 143,060                                    | 251.9%                                         | 47                                      | 28                                     | 763                           | 503                           | 260                               | 51.7%                                 | 6                                       | 3                                      |
| 223,699                                | 208,050                              | 15,649                                     | 7.5%                                           | -2                                      | 0                                      | 772                           | 628                           | 144                               | 22.9%                                 | 0                                       | -1                                     |
| 27,217                                 | 22,981                               | 4,236                                      | 18.4%                                          | 11                                      | 4                                      | 81                            | 42                            | 39                                | 92.9%                                 | 48                                      | 14                                     |
| 20,149                                 | 12,898                               | 7,251                                      | 56.2%                                          | 60                                      | 20                                     | 105                           | 64                            | 41                                | 64.1%                                 | 29                                      | 8                                      |
| 90,198                                 | 96,690                               | -6,492                                     | -6.7%                                          | -7                                      | -3                                     | 310                           | 189                           | 121                               | 64.0%                                 | 15                                      | 7                                      |
| 36,739                                 | 26,968                               | 9,772                                      | 36.2%                                          | 19                                      | 4                                      | 324                           | 153                           | 171                               | 111.8%                                | 38                                      | 24                                     |
| 53,939                                 | 47,687                               | 6,252                                      | 13.1%                                          | -5                                      | -10                                    | 479                           | 290                           | 189                               | 65.2%                                 | 10                                      | 8                                      |
| 49,387                                 | 43,761                               | 5,626                                      | 12.9%                                          | -2                                      | 9                                      | 50                            | 39                            | 11                                | 28.2%                                 | 10                                      | 22                                     |
| 28,117                                 | 14,377                               | 13,741                                     | 95.6%                                          | 77                                      | 30                                     | 268                           | 167                           | 101                               | 60.5%                                 | 12                                      | 7                                      |
| 144,518                                | 96,716                               | 47,802                                     | 49.4%                                          | 10                                      | 2                                      | 255                           | 241                           | 14                                | 5.8%                                  | -15                                     | -1                                     |
|                                        |                                      |                                            |                                                |                                         |                                        | 223                           | 194                           | 29                                | 15.0%                                 | -12                                     | -11                                    |
| 92,075                                 | 49,359                               | 42,715                                     | 86.5%                                          | 29                                      | 14                                     | 73                            | 24                            | 49                                | 204.2%                                | 109                                     | 68                                     |
| 61,421                                 | 37,151                               | 24,270                                     | 65.3%                                          | 25                                      | 8                                      | 158                           | 160                           | -2                                | -1.3%                                 | -22                                     | -14                                    |
|                                        | 62,662                               |                                            |                                                |                                         |                                        |                               |                               |                                   |                                       |                                         |                                        |
| 275,475                                | 211,076                              | 64,399                                     | 30.5%                                          | 1                                       | 0                                      | 398                           | 340                           | 58                                | 17.1%                                 | -13                                     | -4                                     |
| 46,882                                 |                                      |                                            |                                                |                                         |                                        | 131                           | 121                           | 10                                | 8.3%                                  | -18                                     | 1                                      |

| Change: Students                                                        |                                       | SAT Scores         |                    |                            |                                |                                         |                                        |
|-------------------------------------------------------------------------|---------------------------------------|--------------------|--------------------|----------------------------|--------------------------------|-----------------------------------------|----------------------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                       | 2012<br>Median SAT | 2003<br>Median SAT | Net<br>Change<br>in<br>SAT | Percent<br>Change<br>in<br>SAT | Net<br>Change<br>in<br>National<br>Rank | Net<br>Change<br>in<br>Control<br>Rank |
| Public                                                                  | Arizona State University - Tempe      | 1105               | 1095               | 10                         | 0.9%                           | 23                                      | -9                                     |
| Public                                                                  | Auburn University                     | 1220               | 1125               | 95                         | 8.4%                           | 201                                     | 49                                     |
| Private                                                                 | Baylor College of Medicine            |                    |                    |                            |                                |                                         |                                        |
| Private                                                                 | Boston University                     | 1275               | 1300               | -25                        | -1.9%                          | -30                                     | -21                                    |
| Private                                                                 | Brandeis University                   | 1340               | 1345               | -5                         | -0.4%                          | -19                                     | -15                                    |
| Private                                                                 | Brown University                      | 1425               | 1395               | 30                         | 2.2%                           | -3                                      | -3                                     |
| Private                                                                 | California Institute of Technology    | 1525               | 1520               | 5                          | 0.3%                           | 0                                       | 0                                      |
| Private                                                                 | Carnegie Mellon University            | 1420               | 1380               | 40                         | 2.9%                           | -3                                      | -3                                     |
| Private                                                                 | Case Western Reserve University       | 1370               | 1325               | 45                         | 3.4%                           | 13                                      | 10                                     |
| Public                                                                  | Clemson University                    | 1235               | 1205               | 30                         | 2.5%                           | 34                                      | 6                                      |
| Public                                                                  | Cleveland State University            | 1010               | 935                | 75                         | 8.0%                           | 177                                     | 113                                    |
| Private                                                                 | Cold Springs Harbor Laboratory        |                    |                    |                            |                                |                                         |                                        |
| Public                                                                  | Colorado State Univ. - Fort Collins   | 1130               | 1110               | 20                         | 1.8%                           | 72                                      | 0                                      |
| Private                                                                 | Columbia University                   | 1485               | 1410               | 75                         | 5.3%                           | 8                                       | 8                                      |
| Private                                                                 | Cornell University                    | 1415               | 1326               | 89                         | 6.7%                           | 28                                      | 25                                     |
| Private                                                                 | Dartmouth College                     | 1455               | 1430               | 25                         | 1.7%                           | -3                                      | -3                                     |
| Private                                                                 | Drexel University                     | 1220               | 1195               | 25                         | 2.1%                           | 37                                      | 34                                     |
| Private                                                                 | Duke University                       | 1440               | 1425               | 15                         | 1.1%                           | -3                                      | -3                                     |
| Private                                                                 | Emory University                      | 1375               | 1380               | -5                         | -0.4%                          | -19                                     | -19                                    |
| Public                                                                  | Florida International University      | 1140               |                    |                            |                                |                                         |                                        |
| Public                                                                  | Florida State University              | 1220               | 1150               | 70                         | 6.1%                           | 137                                     | 29                                     |
| Public                                                                  | George Mason University               | 1150               | 1105               | 45                         | 4.1%                           | 131                                     | 24                                     |
| Private                                                                 | George Washington University          | 1295               | 1275               | 20                         | 1.6%                           | 4                                       | 7                                      |
| Private                                                                 | Georgetown University                 | 1390               | 1375               | 15                         | 1.1%                           | -8                                      | -8                                     |
| Public                                                                  | Georgia Health Sciences University    |                    |                    |                            |                                |                                         |                                        |
| Public                                                                  | Georgia Institute of Technology       | 1355               | 1340               | 15                         | 1.1%                           | -8                                      | -2                                     |
| Private                                                                 | Harvard University                    | 1500               | 1495               | 5                          | 0.3%                           | 0                                       | 0                                      |
| Private                                                                 | Icahn School of Med. at Mount Sinai   |                    |                    |                            |                                |                                         |                                        |
| Public                                                                  | Indiana University - Bloomington      | 1165               | 1105               | 60                         | 5.4%                           | 153                                     | 30                                     |
| Public                                                                  | Indiana U. - Purdue U. - Indianapolis | 1005               | 985                | 20                         | 2.0%                           | -46                                     | -5                                     |
| Public                                                                  | Iowa State University                 | 1150               | 1205               | -55                        | -4.6%                          | -114                                    | -49                                    |
| Private                                                                 | Johns Hopkins University              | 1405               | 1380               | 25                         | 1.8%                           | -8                                      | -8                                     |
| Public                                                                  | Kansas State University               |                    | 1090               |                            |                                |                                         |                                        |
| Public                                                                  | Louisiana State Univ. - Baton Rouge   | 1170               | 1125               | 45                         | 4.0%                           | 124                                     | 20                                     |
| Public                                                                  | Louisiana St. U. HSC - New Orleans    |                    |                    |                            |                                |                                         |                                        |
| Private                                                                 | Massachusetts Inst. of Technology     | 1490               | 1485               | 5                          | 0.3%                           | -4                                      | -4                                     |
| Private                                                                 | Medical College of Wisconsin          |                    |                    |                            |                                |                                         |                                        |
| Public                                                                  | Medical University of South Carolina  |                    |                    |                            |                                |                                         |                                        |
| Public                                                                  | Michigan State University             | 1170               | 1145               | 25                         | 2.2%                           | 70                                      | 3                                      |
| Public                                                                  | Mississippi State University          | 1090               | 1090               | 0                          | 0.0%                           | 6                                       | -19                                    |
| Public                                                                  | Montana State University - Bozeman    | 1110               | 1105               | 5                          | 0.5%                           | 34                                      | -7                                     |
| Public                                                                  | Naval Postgraduate School             |                    |                    |                            |                                |                                         |                                        |
| Public                                                                  | New Jersey Institute of Technology    | 1140               | 1145               | -5                         | -0.4%                          | -11                                     | -24                                    |
| Public                                                                  | New Mexico State Univ. - Las Cruces   | 990                | 970                | 20                         | 2.1%                           | -45                                     | -8                                     |
| Private                                                                 | New York University                   | 1350               | 1310               | 40                         | 3.1%                           | 10                                      | 10                                     |
| Public                                                                  | North Carolina State University       | 1185               | 1200               | -15                        | -1.3%                          | -38                                     | -21                                    |
| Public                                                                  | North Dakota State University         | 1070               | 1160               | -90                        | -7.8%                          | -266                                    | -103                                   |
| Private                                                                 | Northeastern University               | 1370               | 1210               | 160                        | 13.2%                          | 114                                     | 85                                     |
| Private                                                                 | Northwestern University               | 1440               | 1395               | 45                         | 3.2%                           | 3                                       | 3                                      |

| National Merit and Achievement Scholars |                                       |                                          |                                              |                                         |                                        | Headcount Enrollment                       |                                            |                                   |                                       |
|-----------------------------------------|---------------------------------------|------------------------------------------|----------------------------------------------|-----------------------------------------|----------------------------------------|--------------------------------------------|--------------------------------------------|-----------------------------------|---------------------------------------|
| 2013<br>National<br>Merit<br>Scholars   | 2004<br>National<br>Merit<br>Scholars | Net<br>Change<br>in<br>Merit<br>Scholars | Percent<br>Change<br>in<br>Merit<br>Scholars | Net<br>Change<br>in<br>National<br>Rank | Net<br>Change<br>in<br>Control<br>Rank | Fall 2012<br>Total<br>Student<br>Headcount | Fall 2003<br>Total<br>Student<br>Headcount | Net<br>Change<br>in<br>Enrollment | Percent<br>Change<br>in<br>Enrollment |
| 120                                     | 163                                   | -43                                      | -26.4%                                       | -7                                      | -2                                     | 73,378                                     | 59,557                                     | 13,821                            | 23.2%                                 |
| 70                                      | 26                                    | 44                                       | 169.2%                                       | 55                                      | 25                                     | 25,134                                     | 23,152                                     | 1,982                             | 8.6%                                  |
|                                         |                                       |                                          |                                              |                                         |                                        | 1,525                                      | 1,287                                      | 238                               | 18.5%                                 |
| 34                                      | 56                                    | -22                                      | -39.3%                                       | -19                                     | -8                                     | 32,603                                     | 29,049                                     | 3,554                             | 12.2%                                 |
| 17                                      | 33                                    | -16                                      | -48.5%                                       | -28                                     | -11                                    | 5,808                                      | 4,985                                      | 823                               | 16.5%                                 |
| 101                                     | 67                                    | 34                                       | 50.7%                                        | 9                                       | 3                                      | 8,885                                      | 7,882                                      | 1,003                             | 12.7%                                 |
| 43                                      | 52                                    | -9                                       | -17.3%                                       | -5                                      | -2                                     | 2,243                                      | 2,172                                      | 71                                | 3.3%                                  |
| 32                                      | 24                                    | 8                                        | 33.3%                                        | 29                                      | 19                                     | 11,978                                     | 9,756                                      | 2,222                             | 22.8%                                 |
| 66                                      | 55                                    | 11                                       | 20.0%                                        | 5                                       | 2                                      | 10,026                                     | 9,186                                      | 840                               | 9.1%                                  |
| 39                                      | 37                                    | 2                                        | 5.4%                                         | 9                                       | 3                                      | 20,768                                     | 17,016                                     | 3,752                             | 22.0%                                 |
| 0                                       | 0                                     | 0                                        | 0.0%                                         | 65                                      | 22                                     | 17,278                                     | 16,014                                     | 1,264                             | 7.9%                                  |
|                                         |                                       |                                          |                                              |                                         |                                        | 54                                         |                                            |                                   |                                       |
| 9                                       | 12                                    | -3                                       | -25.0%                                       | -3                                      | -1                                     | 30,659                                     | 28,186                                     | 2,473                             | 8.8%                                  |
| 103                                     | 60                                    | 43                                       | 71.7%                                        | 16                                      | 7                                      | 26,471                                     | 21,322                                     | 5,149                             | 24.1%                                 |
| 87                                      | 52                                    | 35                                       | 67.3%                                        | 20                                      | 12                                     | 21,424                                     | 19,620                                     | 1,804                             | 9.2%                                  |
| 70                                      | 54                                    | 16                                       | 29.6%                                        | 10                                      | 5                                      | 6,277                                      | 5,682                                      | 595                               | 10.5%                                 |
| 4                                       | 1                                     | 3                                        | 300.0%                                       | 104                                     | 71                                     | 25,500                                     | 17,000                                     | 8,500                             | 50.0%                                 |
| 167                                     | 125                                   | 42                                       | 33.6%                                        | 6                                       | 2                                      | 15,386                                     | 12,223                                     | 3,163                             | 25.9%                                 |
| 53                                      | 64                                    | -11                                      | -17.2%                                       | -12                                     | -8                                     | 14,236                                     | 11,654                                     | 2,582                             | 22.2%                                 |
| 2                                       | 1                                     | 1                                        | 100.0%                                       | 62                                      | 22                                     | 46,171                                     | 33,228                                     | 12,943                            | 39.0%                                 |
| 16                                      | 17                                    | -1                                       | -5.9%                                        | 3                                       | 0                                      | 40,695                                     | 36,884                                     | 3,811                             | 10.3%                                 |
| 1                                       | 1                                     | 0                                        | 0.0%                                         | 33                                      | 10                                     | 32,961                                     | 28,246                                     | 4,715                             | 16.7%                                 |
| 17                                      | 28                                    | -11                                      | -39.3%                                       | -18                                     | -6                                     | 25,653                                     | 23,417                                     | 2,236                             | 9.5%                                  |
| 28                                      | 37                                    | -9                                       | -24.3%                                       | -10                                     | -3                                     | 17,357                                     | 13,164                                     | 4,193                             | 31.9%                                 |
| 0                                       | 0                                     | 0                                        | 0.0%                                         | 65                                      | 22                                     | 2,506                                      | 2,078                                      | 428                               | 20.6%                                 |
| 176                                     | 117                                   | 59                                       | 50.4%                                        | 10                                      | 6                                      | 21,557                                     | 16,643                                     | 4,914                             | 29.5%                                 |
| 321                                     | 397                                   | -76                                      | -19.1%                                       | -1                                      | -1                                     | 28,147                                     | 24,851                                     | 3,296                             | 13.3%                                 |
|                                         |                                       |                                          |                                              |                                         |                                        | 1,064                                      | 649                                        | 415                               | 63.9%                                 |
| 67                                      | 21                                    | 46                                       | 219.0%                                       | 62                                      | 29                                     | 42,133                                     | 38,589                                     | 3,544                             | 9.2%                                  |
| 0                                       | 2                                     | -2                                       | -100.0%                                      | -107                                    | -49                                    | 30,451                                     | 29,860                                     | 591                               | 2.0%                                  |
| 38                                      | 70                                    | -32                                      | -45.7%                                       | -31                                     | -17                                    | 30,748                                     | 27,380                                     | 3,368                             | 12.3%                                 |
| 33                                      | 50                                    | -17                                      | -34.0%                                       | -13                                     | -2                                     | 20,871                                     | 18,820                                     | 2,051                             | 10.9%                                 |
| 8                                       | 14                                    | -6                                       | -42.9%                                       | -26                                     | -10                                    | 24,378                                     | 23,050                                     | 1,328                             | 5.8%                                  |
| 43                                      | 40                                    | 3                                        | 7.5%                                         | 8                                       | 2                                      | 30,225                                     | 31,934                                     | -1,709                            | -5.4%                                 |
|                                         |                                       |                                          |                                              |                                         |                                        | 2,788                                      | 2,842                                      | -54                               | -1.9%                                 |
| 212                                     | 156                                   | 56                                       | 35.9%                                        | 5                                       | 1                                      | 11,189                                     | 10,340                                     | 849                               | 8.2%                                  |
|                                         |                                       |                                          |                                              |                                         |                                        | 1,209                                      | 1,259                                      | -50                               | -4.0%                                 |
|                                         |                                       |                                          |                                              |                                         |                                        | 2,731                                      | 2,303                                      | 428                               | 18.6%                                 |
| 39                                      | 46                                    | -7                                       | -15.2%                                       | 1                                       | -4                                     | 48,783                                     | 44,542                                     | 4,241                             | 9.5%                                  |
| 32                                      | 33                                    | -1                                       | -3.0%                                        | 8                                       | 1                                      | 20,365                                     | 16,173                                     | 4,192                             | 25.9%                                 |
| 10                                      | 7                                     | 3                                        | 42.9%                                        | 36                                      | 14                                     | 14,269                                     | 12,005                                     | 2,264                             | 18.9%                                 |
|                                         |                                       |                                          |                                              |                                         |                                        | 3,090                                      | 2,033                                      | 1,057                             | 52.0%                                 |
| 1                                       | 0                                     | 1                                        | 100.0%                                       | 162                                     | 61                                     | 9,944                                      | 8,770                                      | 1,174                             | 13.4%                                 |
| 1                                       | 1                                     | 0                                        | 0.0%                                         | 33                                      | 10                                     | 17,651                                     | 16,174                                     | 1,477                             | 9.1%                                  |
| 26                                      | 155                                   | -129                                     | -83.2%                                       | -65                                     | -32                                    | 44,516                                     | 38,188                                     | 6,328                             | 16.6%                                 |
| 10                                      | 27                                    | -17                                      | -63.0%                                       | -47                                     | -20                                    | 34,340                                     | 29,854                                     | 4,486                             | 15.0%                                 |
| 8                                       | 3                                     | 5                                        | 166.7%                                       | 80                                      | 25                                     | 14,443                                     | 11,623                                     | 2,820                             | 24.3%                                 |
| 151                                     | 1                                     | 150                                      | 15000.0%                                     | 275                                     | 161                                    | 27,694                                     | 22,944                                     | 4,750                             | 20.7%                                 |
| 259                                     | 162                                   | 97                                       | 59.9%                                        | 9                                       | 5                                      | 21,215                                     | 17,625                                     | 3,590                             | 20.4%                                 |

| Change: Students                                                        |                                        | SAT Scores         |                    |                            |                                |                                         |                                        |
|-------------------------------------------------------------------------|----------------------------------------|--------------------|--------------------|----------------------------|--------------------------------|-----------------------------------------|----------------------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                        | 2012<br>Median SAT | 2003<br>Median SAT | Net<br>Change<br>in<br>SAT | Percent<br>Change<br>in<br>SAT | Net<br>Change<br>in<br>National<br>Rank | Net<br>Change<br>in<br>Control<br>Rank |
| Public                                                                  | Ohio State University - Columbus       | 1260               | 1185               | 75                         | 6.3%                           | 97                                      | 24                                     |
| Public                                                                  | Oklahoma State Univ. - Stillwater      | 1150               | 1100               | 50                         | 4.5%                           | 145                                     | 31                                     |
| Public                                                                  | Oregon Health & Science University     |                    |                    |                            |                                |                                         |                                        |
| Public                                                                  | Oregon State University                | 1090               | 1070               | 20                         | 1.9%                           | 68                                      | 9                                      |
| Public                                                                  | Penn. St. U. - Hershey Med. Ctr.       |                    |                    |                            |                                |                                         |                                        |
| Public                                                                  | Pennsylvania State Univ. - Univ. Park  | 1195               | 1195               | 0                          | 0.0%                           | -5                                      | -11                                    |
| Private                                                                 | Princeton University                   | 1500               | 1465               | 35                         | 2.4%                           | 3                                       | 3                                      |
| Public                                                                  | Purdue University - West Lafayette     | 1180               | 1145               | 35                         | 3.1%                           | 78                                      | 6                                      |
| Private                                                                 | Rensselaer Polytechnic Institute       | 1365               | 1310               | 55                         | 4.2%                           | 20                                      | 16                                     |
| Private                                                                 | Rice University                        | 1445               | 1430               | 15                         | 1.0%                           | -5                                      | -5                                     |
| Private                                                                 | Rockefeller University                 |                    |                    |                            |                                |                                         |                                        |
| Private                                                                 | Rush University                        |                    |                    |                            |                                |                                         |                                        |
| Public                                                                  | Rutgers University - New Brunswick     | 1195               | 1210               | -15                        | -1.2%                          | -35                                     | -19                                    |
| Public                                                                  | San Diego State University             | 1085               | 1075               | 10                         | 0.9%                           | 0                                       | -11                                    |
| Private                                                                 | Scripps Research Institute             |                    |                    |                            |                                |                                         |                                        |
| Public                                                                  | South Dakota State University          | 1050               | 1030               | 20                         | 1.9%                           | 47                                      | 13                                     |
| Private                                                                 | Stanford University                    | 1475               | 1450               | 25                         | 1.7%                           | -3                                      | -3                                     |
| Public                                                                  | Stony Brook University                 | 1235               | 1205               | 30                         | 2.5%                           | 34                                      | 6                                      |
| Public                                                                  | Temple University                      | 1110               | 1080               | 30                         | 2.8%                           | 108                                     | 25                                     |
| Public                                                                  | Texas A&M Univ. - College Station      | 1195               | 1185               | 10                         | 0.8%                           | 14                                      | -5                                     |
| Private                                                                 | Thomas Jefferson University            |                    |                    |                            |                                |                                         |                                        |
| Private                                                                 | Tufts University                       | 1435               | 1335               | 100                        | 7.5%                           | 31                                      | 29                                     |
| Private                                                                 | Tulane University                      | 1360               | 1330               | 30                         | 2.3%                           | 4                                       | 3                                      |
| Public                                                                  | Uniformed Services Univ. of the HS     |                    |                    |                            |                                |                                         |                                        |
| Public                                                                  | University at Albany                   | 1105               | 1130               | -25                        | -2.2%                          | -81                                     | -47                                    |
| Public                                                                  | University at Buffalo                  | 1155               | 1130               | 25                         | 2.2%                           | 64                                      | 2                                      |
| Public                                                                  | University of Alabama - Birmingham     | 1110               | 1010               | 100                        | 9.9%                           | 372                                     | 138                                    |
| Public                                                                  | University of Alabama - Huntsville     | 1170               | 1145               | 25                         | 2.2%                           | 70                                      | 3                                      |
| Public                                                                  | University of Alaska - Fairbanks       |                    | 1040               |                            |                                |                                         |                                        |
| Public                                                                  | University of Arizona                  | 1095               | 1115               | -20                        | -1.8%                          | -60                                     | -44                                    |
| Public                                                                  | Univ. of Arkansas for Med. Sciences    |                    |                    |                            |                                |                                         |                                        |
| Public                                                                  | University of California - Berkeley    | 1370               | 1315               | 55                         | 4.2%                           | 19                                      | 4                                      |
| Public                                                                  | University of California - Davis       | 1210               | 1190               | 20                         | 1.7%                           | 25                                      | -1                                     |
| Public                                                                  | University of California - Irvine      | 1160               | 1195               | -35                        | -2.9%                          | -78                                     | -39                                    |
| Public                                                                  | University of California - Los Angeles | 1300               | 1265               | 35                         | 2.8%                           | 24                                      | 3                                      |
| Public                                                                  | University of California - Riverside   | 1080               | 1075               | 5                          | 0.5%                           | -9                                      | -13                                    |
| Public                                                                  | University of California - San Diego   | 1235               | 1255               | -20                        | -1.6%                          | -24                                     | -11                                    |
| Public                                                                  | Univ. of California - San Francisco    |                    |                    |                            |                                |                                         |                                        |
| Public                                                                  | Univ. of California - Santa Barbara    | 1215               | 1190               | 25                         | 2.1%                           | 31                                      | 4                                      |
| Public                                                                  | University of California - Santa Cruz  | 1140               | 1145               | -5                         | -0.4%                          | -11                                     | -24                                    |
| Public                                                                  | University of Central Florida          | 1180               | 1140               | 40                         | 3.5%                           | 93                                      | 14                                     |
| Private                                                                 | University of Chicago                  | 1485               | 1430               | 55                         | 3.8%                           | 1                                       | 1                                      |
| Public                                                                  | University of Cincinnati - Cincinnati  | 1130               | 1065               | 65                         | 6.1%                           | 226                                     | 63                                     |
| Public                                                                  | University of Colorado - Boulder       | 1170               | 1180               | -10                        | -0.8%                          | -4                                      | -13                                    |
| Public                                                                  | University of Colorado - Denver        | 1070               | 1070               | 0                          | 0.0%                           | -12                                     | -14                                    |
| Public                                                                  | Univ. of Connecticut - Health Center   |                    |                    |                            |                                |                                         |                                        |
| Public                                                                  | University of Connecticut - Storrs     | 1230               | 1170               | 60                         | 5.1%                           | 104                                     | 25                                     |
| Private                                                                 | University of Dayton                   | 1205               | 1145               | 60                         | 5.2%                           | 120                                     | 97                                     |
| Public                                                                  | University of Delaware                 | 1185               | 1180               | 5                          | 0.4%                           | 9                                       | -6                                     |

| National Merit and Achievement Scholars |                                       |                                          |                                              |                                         |                                        | Headcount Enrollment                       |                                            |                                   |                                       |
|-----------------------------------------|---------------------------------------|------------------------------------------|----------------------------------------------|-----------------------------------------|----------------------------------------|--------------------------------------------|--------------------------------------------|-----------------------------------|---------------------------------------|
| 2013<br>National<br>Merit<br>Scholars   | 2004<br>National<br>Merit<br>Scholars | Net<br>Change<br>in<br>Merit<br>Scholars | Percent<br>Change<br>in<br>Merit<br>Scholars | Net<br>Change<br>in<br>National<br>Rank | Net<br>Change<br>in<br>Control<br>Rank | Fall 2012<br>Total<br>Student<br>Headcount | Fall 2003<br>Total<br>Student<br>Headcount | Net<br>Change<br>in<br>Enrollment | Percent<br>Change<br>in<br>Enrollment |
| 22                                      | 105                                   | -83                                      | -79.0%                                       | -63                                     | -33                                    | 56,387                                     | 50,731                                     | 5,656                             | 11.1%                                 |
| 31                                      | 8                                     | 23                                       | 287.5%                                       | 86                                      | 34                                     | 25,708                                     | 23,844                                     | 1,864                             | 7.8%                                  |
|                                         |                                       |                                          |                                              |                                         |                                        | 2,849                                      | 2,454                                      | 395                               | 16.1%                                 |
| 5                                       | 8                                     | -3                                       | -37.5%                                       | -20                                     | -13                                    | 26,363                                     | 18,958                                     | 7,405                             | 39.1%                                 |
|                                         |                                       |                                          |                                              |                                         |                                        | 792                                        | 738                                        | 54                                | 7.3%                                  |
| 16                                      | 21                                    | -5                                       | -23.8%                                       | -7                                      | -8                                     | 45,783                                     | 41,795                                     | 3,988                             | 9.5%                                  |
| 192                                     | 219                                   | -27                                      | -12.3%                                       | -3                                      | -5                                     | 7,975                                      | 6,688                                      | 1,287                             | 19.2%                                 |
| 20                                      | 70                                    | -50                                      | -71.4%                                       | -66                                     | -34                                    | 40,393                                     | 40,376                                     | 17                                | 0.0%                                  |
| 29                                      | 22                                    | 7                                        | 31.8%                                        | 26                                      | 17                                     | 6,658                                      | 7,236                                      | -578                              | -8.0%                                 |
| 74                                      | 184                                   | -110                                     | -59.8%                                       | -19                                     | -11                                    | 6,484                                      | 4,805                                      | 1,679                             | 34.9%                                 |
|                                         |                                       |                                          |                                              |                                         |                                        | 192                                        | 176                                        | 16                                | 9.1%                                  |
|                                         |                                       |                                          |                                              |                                         |                                        | 2,172                                      | 1,253                                      | 919                               | 73.3%                                 |
| 24                                      | 16                                    | 8                                        | 50.0%                                        | 29                                      | 12                                     | 40,434                                     | 35,318                                     | 5,116                             | 14.5%                                 |
| 0                                       | 0                                     | 0                                        | 0.0%                                         | 65                                      | 22                                     | 30,843                                     | 32,803                                     | -1,960                            | -6.0%                                 |
|                                         |                                       |                                          |                                              |                                         |                                        |                                            |                                            |                                   |                                       |
| 2                                       | 3                                     | -1                                       | -33.3%                                       | -3                                      | -7                                     | 12,583                                     | 10,566                                     | 2,017                             | 19.1%                                 |
| 219                                     | 274                                   | -55                                      | -20.1%                                       | -4                                      | -5                                     | 18,519                                     | 17,824                                     | 695                               | 3.9%                                  |
| 14                                      | 1                                     | 13                                       | 1300.0%                                      | 177                                     | 63                                     | 23,946                                     | 22,344                                     | 1,602                             | 7.2%                                  |
| 0                                       | 1                                     | -1                                       | -100.0%                                      | -64                                     | -29                                    | 36,744                                     | 32,877                                     | 3,867                             | 11.8%                                 |
| 158                                     | 130                                   | 28                                       | 21.5%                                        | 4                                       | 3                                      | 50,627                                     | 44,813                                     | 5,814                             | 13.0%                                 |
|                                         |                                       |                                          |                                              |                                         |                                        | 3,673                                      | 2,332                                      | 1,341                             | 57.5%                                 |
| 69                                      | 66                                    | 3                                        | 4.5%                                         | -2                                      | -3                                     | 10,837                                     | 9,509                                      | 1,328                             | 14.0%                                 |
| 30                                      | 59                                    | -29                                      | -49.2%                                       | -30                                     | -15                                    | 12,958                                     | 12,411                                     | 547                               | 4.4%                                  |
|                                         |                                       |                                          |                                              |                                         |                                        |                                            |                                            |                                   |                                       |
| 0                                       | 1                                     | -1                                       | -100.0%                                      | -64                                     | -29                                    | 17,312                                     | 16,998                                     | 314                               | 1.8%                                  |
| 1                                       | 0                                     | 1                                        | 100.0%                                       | 162                                     | 61                                     | 28,952                                     | 27,255                                     | 1,697                             | 6.2%                                  |
| 27                                      | 6                                     | 21                                       | 350.0%                                       | 102                                     | 39                                     | 17,999                                     | 16,357                                     | 1,642                             | 10.0%                                 |
| 2                                       | 0                                     | 2                                        | 100.0%                                       | 191                                     | 73                                     | 7,636                                      | 7,051                                      | 585                               | 8.3%                                  |
| 0                                       | 4                                     | -4                                       | -100.0%                                      | -154                                    | -67                                    | 9,223                                      | 8,736                                      | 487                               | 5.6%                                  |
| 72                                      | 76                                    | -4                                       | -5.3%                                        | -5                                      | -2                                     | 40,223                                     | 37,083                                     | 3,140                             | 8.5%                                  |
|                                         |                                       |                                          |                                              |                                         |                                        | 2,809                                      | 2,170                                      | 639                               | 29.4%                                 |
| 111                                     | 68                                    | 43                                       | 63.2%                                        | 9                                       | 6                                      | 35,893                                     | 33,065                                     | 2,828                             | 8.6%                                  |
| 3                                       | 14                                    | -11                                      | -78.6%                                       | -84                                     | -36                                    | 32,354                                     | 29,402                                     | 2,952                             | 10.0%                                 |
| 0                                       | 12                                    | -12                                      | -100.0%                                      | -221                                    | -88                                    | 27,479                                     | 24,273                                     | 3,206                             | 13.2%                                 |
| 18                                      | 116                                   | -98                                      | -84.5%                                       | -76                                     | -40                                    | 39,945                                     | 37,055                                     | 2,890                             | 7.8%                                  |
| 0                                       | 0                                     | 0                                        | 0.0%                                         | 65                                      | 22                                     | 20,947                                     | 17,296                                     | 3,651                             | 21.1%                                 |
| 15                                      | 48                                    | -33                                      | -68.8%                                       | -59                                     | -35                                    | 28,294                                     | 24,105                                     | 4,189                             | 17.4%                                 |
|                                         |                                       |                                          |                                              |                                         |                                        | 3,137                                      | 2,763                                      | 374                               | 13.5%                                 |
| 1                                       | 10                                    | -9                                       | -90.0%                                       | -112                                    | -44                                    | 21,927                                     | 20,847                                     | 1,080                             | 5.2%                                  |
| 1                                       | 4                                     | -3                                       | -75.0%                                       | -57                                     | -28                                    | 17,404                                     | 14,997                                     | 2,407                             | 16.0%                                 |
| 64                                      | 30                                    | 34                                       | 113.3%                                       | 38                                      | 19                                     | 59,601                                     | 41,535                                     | 18,066                            | 43.5%                                 |
| 333                                     | 204                                   | 129                                      | 63.2%                                        | 7                                       | 5                                      | 15,245                                     | 13,887                                     | 1,358                             | 9.8%                                  |
| 30                                      | 7                                     | 23                                       | 328.6%                                       | 97                                      | 38                                     | 33,347                                     | 26,817                                     | 6,530                             | 24.4%                                 |
| 6                                       | 4                                     | 2                                        | 50.0%                                        | 41                                      | 8                                      | 31,945                                     | 32,423                                     | -478                              | -1.5%                                 |
| 0                                       | 0                                     | 0                                        | 0.0%                                         | 65                                      | 22                                     | 22,396                                     | 15,746                                     | 6,650                             | 42.2%                                 |
|                                         |                                       |                                          |                                              |                                         |                                        |                                            |                                            |                                   |                                       |
| 5                                       | 4                                     | 1                                        | 25.0%                                        | 28                                      | 1                                      | 25,483                                     | 22,053                                     | 3,430                             | 15.6%                                 |
| 2                                       | 17                                    | -15                                      | -88.2%                                       | -121                                    | -76                                    | 11,159                                     | 10,284                                     | 875                               | 8.5%                                  |
| 2                                       | 18                                    | -16                                      | -88.9%                                       | -123                                    | -47                                    | 21,856                                     | 21,121                                     | 735                               | 3.5%                                  |

| Change: Students                                                        |                                       | SAT Scores         |                    |                            |                                |                                         |                                        |
|-------------------------------------------------------------------------|---------------------------------------|--------------------|--------------------|----------------------------|--------------------------------|-----------------------------------------|----------------------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                       | 2012<br>Median SAT | 2003<br>Median SAT | Net<br>Change<br>in<br>SAT | Percent<br>Change<br>in<br>SAT | Net<br>Change<br>in<br>National<br>Rank | Net<br>Change<br>in<br>Control<br>Rank |
| Public                                                                  | University of Florida                 | 1265               | 1240               | 25                         | 2.0%                           | 17                                      | 1                                      |
| Public                                                                  | University of Georgia                 | 1215               | 1205               | 10                         | 0.8%                           | 3                                       | -5                                     |
| Public                                                                  | University of Hawaii - Manoa          | 1080               | 1095               | -15                        | -1.4%                          | -69                                     | -39                                    |
| Public                                                                  | University of Houston - Univ. Park    | 1130               | 1055               | 75                         | 7.1%                           | 258                                     | 80                                     |
| Public                                                                  | University of Idaho                   | 1070               | 1110               | -40                        | -3.6%                          | -137                                    | -66                                    |
| Public                                                                  | University of Illinois - Chicago      | 1090               | 1070               | 20                         | 1.9%                           | 68                                      | 9                                      |
| Public                                                                  | Univ. of Illinois - Urbana-Champaign  | 1280               | 1290               | -10                        | -0.8%                          | -13                                     | -6                                     |
| Public                                                                  | University of Iowa                    | 1150               | 1185               | -35                        | -3.0%                          | -76                                     | -37                                    |
| Public                                                                  | University of Kansas - Lawrence       | 1150               | 1110               | 40                         | 3.6%                           | 110                                     | 16                                     |
| Public                                                                  | University of Kansas Medical Center   |                    |                    |                            |                                |                                         |                                        |
| Public                                                                  | University of Kentucky                | 1170               | 1135               | 35                         | 3.1%                           | 101                                     | 14                                     |
| Public                                                                  | University of Louisville              | 1130               | 1090               | 40                         | 3.7%                           | 135                                     | 24                                     |
| Public                                                                  | University of Maryland - Baltimore    |                    |                    |                            |                                |                                         |                                        |
| Public                                                                  | Univ. of Maryland - Baltimore County  | 1225               | 1215               | 10                         | 0.8%                           | 2                                       | -7                                     |
| Public                                                                  | University of Maryland - College Park | 1300               | 1265               | 35                         | 2.8%                           | 24                                      | 3                                      |
| Public                                                                  | Univ. of Massachusetts - Amherst      | 1190               | 1135               | 55                         | 4.8%                           | 128                                     | 25                                     |
| Public                                                                  | Univ. of Mass. Med. Sch. - Worcester  |                    |                    |                            |                                |                                         |                                        |
| Public                                                                  | Univ. of Medicine & Dentistry of NJ   |                    |                    |                            |                                |                                         |                                        |
| Private                                                                 | University of Miami                   | 1325               | 1230               | 95                         | 7.7%                           | 71                                      | 55                                     |
| Public                                                                  | University of Michigan - Ann Arbor    | 1340               | 1305               | 35                         | 2.7%                           | 10                                      | 0                                      |
| Public                                                                  | University of Minnesota - Twin Cities | 1240               | 1220               | 20                         | 1.6%                           | 21                                      | 2                                      |
| Public                                                                  | University of Missouri - Columbia     | 1170               | 1160               | 10                         | 0.9%                           | 36                                      | -4                                     |
| Public                                                                  | University of Nebraska - Lincoln      | 1170               | 1175               | -5                         | -0.4%                          | 9                                       | -10                                    |
| Public                                                                  | Univ. of Nebraska Medical Center      |                    |                    |                            |                                |                                         |                                        |
| Public                                                                  | University of Nevada - Reno           | 1065               | 1070               | -5                         | -0.5%                          | -63                                     | -34                                    |
| Public                                                                  | Univ. of New Hampshire - Durham       | 1095               | 1120               | -25                        | -2.2%                          | -73                                     | -46                                    |
| Public                                                                  | Univ. of New Mexico - Albuquerque     | 1030               | 1065               | -35                        | -3.3%                          | -181                                    | -82                                    |
| Public                                                                  | Univ. of North Carolina - Chapel Hill | 1300               | 1290               | 10                         | 0.8%                           | 5                                       | 0                                      |
| Public                                                                  | University of North Dakota            | 1090               | 1070               | 20                         | 1.9%                           | 68                                      | 9                                      |
| Private                                                                 | University of Notre Dame              | 1440               | 1365               | 75                         | 5.5%                           | 15                                      | 15                                     |
| Public                                                                  | University of Oklahoma - Norman       | 1190               | 1180               | 10                         | 0.8%                           | 23                                      | -2                                     |
| Public                                                                  | University of Oklahoma HSC            |                    |                    |                            |                                |                                         |                                        |
| Public                                                                  | University of Oregon                  | 1108               | 1106               | 2                          | 0.2%                           | -7                                      | -23                                    |
| Private                                                                 | University of Pennsylvania            | 1445               | 1420               | 25                         | 1.8%                           | 1                                       | 1                                      |
| Public                                                                  | University of Pittsburgh - Pittsburgh | 1275               | 1215               | 60                         | 4.9%                           | 47                                      | 11                                     |
| Public                                                                  | University of Rhode Island            | 1055               | 1105               | -50                        | -4.5%                          | -196                                    | -89                                    |
| Private                                                                 | University of Rochester               | 1340               | 1320               | 20                         | 1.5%                           | -3                                      | -1                                     |
| Public                                                                  | Univ. of South Carolina - Columbia    | 1195               | 1140               | 55                         | 4.8%                           | 120                                     | 26                                     |
| Public                                                                  | University of South Florida - Tampa   | 1170               | 1085               | 85                         | 7.8%                           | 250                                     | 69                                     |
| Private                                                                 | University of Southern California     | 1375               | 1335               | 40                         | 3.0%                           | 9                                       | 7                                      |
| Public                                                                  | University of Tennessee - Knoxville   | 1205               | 1115               | 90                         | 8.1%                           | 201                                     | 47                                     |
| Public                                                                  | University of Tennessee HSC           |                    |                    |                            |                                |                                         |                                        |
| Public                                                                  | University of Texas - Austin          | 1255               | 1230               | 25                         | 2.0%                           | 20                                      | 0                                      |
| Public                                                                  | Univ. of Texas HSC - Houston          |                    |                    |                            |                                |                                         |                                        |
| Public                                                                  | Univ. of Texas HSC - San Antonio      |                    |                    |                            |                                |                                         |                                        |
| Public                                                                  | U. of Texas MD Anderson Cancer Ctr.   |                    |                    |                            |                                |                                         |                                        |
| Public                                                                  | U. of Texas Med. Branch - Galveston   |                    |                    |                            |                                |                                         |                                        |
| Public                                                                  | Univ. of Texas SW Med. Ctr. - Dallas  |                    |                    |                            |                                |                                         |                                        |
| Public                                                                  | University of Utah                    | 1110               | 1110               | 0                          | 0.0%                           | 13                                      | -15                                    |

# The Top American Research Universities

| National Merit and Achievement Scholars |                                       |                                          |                                              |                                         |                                        | Headcount Enrollment                       |                                            |                                   |                                       |
|-----------------------------------------|---------------------------------------|------------------------------------------|----------------------------------------------|-----------------------------------------|----------------------------------------|--------------------------------------------|--------------------------------------------|-----------------------------------|---------------------------------------|
| 2013<br>National<br>Merit<br>Scholars   | 2004<br>National<br>Merit<br>Scholars | Net<br>Change<br>in<br>Merit<br>Scholars | Percent<br>Change<br>in<br>Merit<br>Scholars | Net<br>Change<br>in<br>National<br>Rank | Net<br>Change<br>in<br>Control<br>Rank | Fall 2012<br>Total<br>Student<br>Headcount | Fall 2003<br>Total<br>Student<br>Headcount | Net<br>Change<br>in<br>Enrollment | Percent<br>Change<br>in<br>Enrollment |
| 23                                      | 299                                   | -276                                     | -92.3%                                       | -84                                     | -40                                    | 49,913                                     | 47,858                                     | 2,055                             | 4.3%                                  |
| 61                                      | 67                                    | -6                                       | -9.0%                                        | -12                                     | -5                                     | 34,519                                     | 33,878                                     | 641                               | 1.9%                                  |
| 0                                       | 1                                     | -1                                       | -100.0%                                      | -64                                     | -29                                    | 20,426                                     | 19,862                                     | 564                               | 2.8%                                  |
| 26                                      | 21                                    | 5                                        | 23.8%                                        | 18                                      | 5                                      | 40,747                                     | 35,066                                     | 5,681                             | 16.2%                                 |
| 25                                      | 9                                     | 16                                       | 177.8%                                       | 65                                      | 26                                     | 12,420                                     | 12,895                                     | -475                              | -3.7%                                 |
| 3                                       | 3                                     | 0                                        | 0.0%                                         | 22                                      | -1                                     | 27,875                                     | 25,764                                     | 2,111                             | 8.2%                                  |
| 88                                      | 29                                    | 59                                       | 203.4%                                       | 53                                      | 25                                     | 44,520                                     | 40,458                                     | 4,062                             | 10.0%                                 |
| 16                                      | 26                                    | -10                                      | -38.5%                                       | -17                                     | -13                                    | 30,129                                     | 29,745                                     | 384                               | 1.3%                                  |
| 28                                      | 60                                    | -32                                      | -53.3%                                       | -37                                     | -18                                    | 27,135                                     | 26,814                                     | 321                               | 1.2%                                  |
|                                         |                                       |                                          |                                              |                                         |                                        |                                            |                                            |                                   |                                       |
| 97                                      | 36                                    | 61                                       | 169.4%                                       | 43                                      | 21                                     | 28,034                                     | 25,397                                     | 2,637                             | 10.4%                                 |
| 17                                      | 23                                    | -6                                       | -26.1%                                       | -5                                      | -8                                     | 21,239                                     | 20,605                                     | 634                               | 3.1%                                  |
|                                         |                                       |                                          |                                              |                                         |                                        | 6,368                                      | 5,477                                      | 891                               | 16.3%                                 |
| 9                                       | 5                                     | 4                                        | 80.0%                                        | 50                                      | 17                                     | 13,637                                     | 11,872                                     | 1,765                             | 14.9%                                 |
| 62                                      | 41                                    | 21                                       | 51.2%                                        | 18                                      | 6                                      | 37,248                                     | 35,329                                     | 1,919                             | 5.4%                                  |
| 1                                       | 1                                     | 0                                        | 0.0%                                         | 33                                      | 10                                     | 28,236                                     | 24,310                                     | 3,926                             | 16.1%                                 |
|                                         |                                       |                                          |                                              |                                         |                                        | 1,160                                      | 775                                        | 385                               | 49.7%                                 |
|                                         |                                       |                                          |                                              |                                         |                                        | 6,972                                      | 4,942                                      | 2,030                             | 41.1%                                 |
| 62                                      | 24                                    | 38                                       | 158.3%                                       | 53                                      | 29                                     | 16,172                                     | 15,235                                     | 937                               | 6.2%                                  |
| 63                                      | 64                                    | -1                                       | -1.6%                                        | -4                                      | 0                                      | 43,426                                     | 39,031                                     | 4,395                             | 11.3%                                 |
| 135                                     | 53                                    | 82                                       | 154.7%                                       | 27                                      | 14                                     | 51,853                                     | 49,474                                     | 2,379                             | 4.8%                                  |
| 12                                      | 32                                    | -20                                      | -62.5%                                       | -48                                     | -23                                    | 34,704                                     | 26,805                                     | 7,899                             | 29.5%                                 |
| 51                                      | 65                                    | -14                                      | -21.5%                                       | -14                                     | -5                                     | 24,207                                     | 22,559                                     | 1,648                             | 7.3%                                  |
|                                         |                                       |                                          |                                              |                                         |                                        | 3,655                                      | 2,865                                      | 790                               | 27.6%                                 |
| 8                                       | 0                                     | 8                                        | 100.0%                                       | 274                                     | 105                                    | 18,227                                     | 15,534                                     | 2,693                             | 17.3%                                 |
| 0                                       | 0                                     | 0                                        | 0.0%                                         | 65                                      | 22                                     | 15,267                                     | 15,586                                     | -319                              | -2.0%                                 |
| 21                                      | 1                                     | 20                                       | 2000.0%                                      | 202                                     | 75                                     | 29,033                                     | 25,686                                     | 3,347                             | 13.0%                                 |
| 47                                      | 153                                   | -106                                     | -69.3%                                       | -34                                     | -16                                    | 29,278                                     | 26,359                                     | 2,919                             | 11.1%                                 |
| 6                                       | 3                                     | 3                                        | 100.0%                                       | 66                                      | 17                                     | 15,250                                     | 13,034                                     | 2,216                             | 17.0%                                 |
| 56                                      | 56                                    | 0                                        | 0.0%                                         | -5                                      | -3                                     | 12,126                                     | 11,415                                     | 711                               | 6.2%                                  |
| 176                                     | 171                                   | 5                                        | 2.9%                                         | 0                                       | 2                                      | 27,507                                     | 27,146                                     | 361                               | 1.3%                                  |
|                                         |                                       |                                          |                                              |                                         |                                        | 3,605                                      | 3,126                                      | 479                               | 15.3%                                 |
| 10                                      | 14                                    | -4                                       | -28.6%                                       | -10                                     | -3                                     | 24,518                                     | 19,992                                     | 4,526                             | 22.6%                                 |
| 152                                     | 109                                   | 43                                       | 39.4%                                        | 8                                       | 3                                      | 24,725                                     | 23,243                                     | 1,482                             | 6.4%                                  |
| 29                                      | 23                                    | 6                                        | 26.1%                                        | 24                                      | 7                                      | 28,769                                     | 26,795                                     | 1,974                             | 7.4%                                  |
| 0                                       | 2                                     | -2                                       | -100.0%                                      | -107                                    | -49                                    | 16,451                                     | 14,791                                     | 1,660                             | 11.2%                                 |
| 26                                      | 27                                    | -1                                       | -3.7%                                        | 3                                       | 4                                      | 10,510                                     | 8,466                                      | 2,044                             | 24.1%                                 |
| 62                                      | 46                                    | 16                                       | 34.8%                                        | 16                                      | 4                                      | 31,288                                     | 25,288                                     | 6,000                             | 23.7%                                 |
| 8                                       | 18                                    | -10                                      | -55.6%                                       | -40                                     | -15                                    | 41,116                                     | 40,945                                     | 171                               | 0.4%                                  |
| 250                                     | 198                                   | 52                                       | 26.3%                                        | 4                                       | 2                                      | 39,958                                     | 31,606                                     | 8,352                             | 26.4%                                 |
| 41                                      | 25                                    | 16                                       | 64.0%                                        | 37                                      | 16                                     | 29,833                                     | 27,281                                     | 2,552                             | 9.4%                                  |
|                                         |                                       |                                          |                                              |                                         |                                        |                                            |                                            |                                   |                                       |
| 74                                      | 247                                   | -173                                     | -70.0%                                       | -24                                     | -9                                     | 52,186                                     | 51,426                                     | 760                               | 1.5%                                  |
|                                         |                                       |                                          |                                              |                                         |                                        | 4,489                                      | 3,417                                      | 1,072                             | 31.4%                                 |
|                                         |                                       |                                          |                                              |                                         |                                        | 3,249                                      | 2,754                                      | 495                               | 18.0%                                 |
|                                         |                                       |                                          |                                              |                                         |                                        | 290                                        | 75                                         | 215                               | 286.7%                                |
|                                         |                                       |                                          |                                              |                                         |                                        | 3,012                                      | 1,981                                      | 1,031                             | 52.0%                                 |
|                                         |                                       |                                          |                                              |                                         |                                        | 2,424                                      | 1,684                                      | 740                               | 43.9%                                 |
| 33                                      | 16                                    | 17                                       | 106.3%                                       | 52                                      | 22                                     | 32,388                                     | 28,436                                     | 3,952                             | 13.9%                                 |

| Change: Students                                                           |                                       | SAT Scores         |                    |                            |                                |                                         |                                        |
|----------------------------------------------------------------------------|---------------------------------------|--------------------|--------------------|----------------------------|--------------------------------|-----------------------------------------|----------------------------------------|
| Institutions with Over \$40 Million<br>in Federal Research, Alphabetically |                                       | 2012<br>Median SAT | 2003<br>Median SAT | Net<br>Change<br>in<br>SAT | Percent<br>Change<br>in<br>SAT | Net<br>Change<br>in<br>National<br>Rank | Net<br>Change<br>in<br>Control<br>Rank |
| Public                                                                     | University of Vermont                 | 1185               | 1155               | 30                         | 2.6%                           | 65                                      | 6                                      |
| Public                                                                     | University of Virginia                | 1360               | 1330               | 30                         | 2.3%                           | 4                                       | 1                                      |
| Public                                                                     | University of Washington - Seattle    | 1215               | 1190               | 25                         | 2.1%                           | 31                                      | 4                                      |
| Public                                                                     | University of Wisconsin - Madison     | 1260               | 1260               | 0                          | 0.0%                           | -5                                      | -7                                     |
| Public                                                                     | University of Wyoming                 | 1130               | 1075               | 55                         | 5.1%                           | 182                                     | 47                                     |
| Public                                                                     | Utah State University                 | 1070               | 1110               | -40                        | -3.6%                          | -137                                    | -66                                    |
| Private                                                                    | Vanderbilt University                 | 1460               | 1340               | 120                        | 9.0%                           | 35                                      | 34                                     |
| Public                                                                     | Virginia Commonwealth University      | 1105               | 1060               | 45                         | 4.2%                           | 143                                     | 39                                     |
| Public                                                                     | Virginia Polytechnic Inst. and St. U. | 1215               | 1185               | 30                         | 2.5%                           | 41                                      | 7                                      |
| Private                                                                    | Wake Forest University                |                    | 1315               |                            |                                |                                         |                                        |
| Public                                                                     | Washington State Univ. - Pullman      | 1050               | 1060               | -10                        | -0.9%                          | -63                                     | -35                                    |
| Private                                                                    | Washington University in St. Louis    | 1490               | 1400               | 90                         | 6.4%                           | 13                                      | 13                                     |
| Public                                                                     | Wayne State University                | 1030               | 950                | 80                         | 8.4%                           | 259                                     | 127                                    |
| Private                                                                    | Weill Cornell Medical College         |                    |                    |                            |                                |                                         |                                        |
| Public                                                                     | West Virginia University              | 1055               | 1055               | 0                          | 0.0%                           | -31                                     | -17                                    |
| Private                                                                    | Woods Hole Oceanographic Inst.        |                    |                    |                            |                                |                                         |                                        |
| Private                                                                    | Yale University                       | 1495               | 1480               | 15                         | 1.0%                           | 0                                       | 0                                      |
| Private                                                                    | Yeshiva University                    | 1220               |                    |                            |                                |                                         |                                        |

| National Merit and Achievement Scholars |                                       |                                          |                                              |                                         |                                        | Headcount Enrollment                       |                                            |                                   |                                       |
|-----------------------------------------|---------------------------------------|------------------------------------------|----------------------------------------------|-----------------------------------------|----------------------------------------|--------------------------------------------|--------------------------------------------|-----------------------------------|---------------------------------------|
| 2013<br>National<br>Merit<br>Scholars   | 2004<br>National<br>Merit<br>Scholars | Net<br>Change<br>in<br>Merit<br>Scholars | Percent<br>Change<br>in<br>Merit<br>Scholars | Net<br>Change<br>in<br>National<br>Rank | Net<br>Change<br>in<br>Control<br>Rank | Fall 2012<br>Total<br>Student<br>Headcount | Fall 2003<br>Total<br>Student<br>Headcount | Net<br>Change<br>in<br>Enrollment | Percent<br>Change<br>in<br>Enrollment |
| 9                                       | 1                                     | 8                                        | 800.0%                                       | 154                                     | 58                                     | 13,098                                     | 10,967                                     | 2,131                             | 19.4%                                 |
| 39                                      | 39                                    | 0                                        | 0.0%                                         | 5                                       | 0                                      | 23,907                                     | 23,077                                     | 830                               | 3.6%                                  |
| 19                                      | 36                                    | -17                                      | -47.2%                                       | -30                                     | -18                                    | 43,485                                     | 39,135                                     | 4,350                             | 11.1%                                 |
| 20                                      | 36                                    | -16                                      | -44.4%                                       | -27                                     | -16                                    | 42,269                                     | 40,879                                     | 1,390                             | 3.4%                                  |
| 6                                       | 2                                     | 4                                        | 200.0%                                       | 88                                      | 26                                     | 12,903                                     | 13,130                                     | -227                              | -1.7%                                 |
| 0                                       | 5                                     | -5                                       | -100.0%                                      | -168                                    | -70                                    | 28,786                                     | 16,460                                     | 12,326                            | 74.9%                                 |
| 285                                     | 151                                   | 134                                      | 88.7%                                        | 14                                      | 9                                      | 12,710                                     | 11,092                                     | 1,618                             | 14.6%                                 |
| 1                                       | 2                                     | -1                                       | -50.0%                                       | -10                                     | -10                                    | 31,445                                     | 26,631                                     | 4,814                             | 18.1%                                 |
| 17                                      | 19                                    | -2                                       | -10.5%                                       | 4                                       | -1                                     | 31,087                                     | 27,755                                     | 3,332                             | 12.0%                                 |
| 9                                       | 14                                    | -5                                       | -35.7%                                       | -17                                     | -11                                    | 7,432                                      | 6,444                                      | 988                               | 15.3%                                 |
| 3                                       | 3                                     | 0                                        | 0.0%                                         | 22                                      | -1                                     | 27,679                                     | 22,712                                     | 4,967                             | 21.9%                                 |
| 223                                     | 224                                   | -1                                       | -0.4%                                        | -1                                      | -3                                     | 13,952                                     | 13,020                                     | 932                               | 7.2%                                  |
| 8                                       | 1                                     | 7                                        | 700.0%                                       | 145                                     | 54                                     | 28,938                                     | 32,208                                     | -3,270                            | -10.2%                                |
|                                         |                                       |                                          |                                              |                                         |                                        | 1,027                                      | 731                                        | 296                               | 40.5%                                 |
| 21                                      | 20                                    | 1                                        | 5.0%                                         | 12                                      | 3                                      | 29,707                                     | 24,260                                     | 5,447                             | 22.5%                                 |
|                                         |                                       |                                          |                                              |                                         |                                        |                                            |                                            |                                   |                                       |
| 224                                     | 285                                   | -61                                      | -21.4%                                       | -3                                      | -4                                     | 11,906                                     | 11,471                                     | 435                               | 3.8%                                  |
| 3                                       | 1                                     | 2                                        | 200.0%                                       | 87                                      | 59                                     | 6,740                                      | 6,019                                      | 721                               | 12.0%                                 |

| Institutional Characteristics                                           |                                                      |       |                                |                      |
|-------------------------------------------------------------------------|------------------------------------------------------|-------|--------------------------------|----------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                                      | State | Highest Degree Offered         | Has a Medical School |
| Public                                                                  | Arizona State University - Tempe                     | AZ    | Doctor's - Res/Sch & Prof Prac |                      |
| Public                                                                  | Auburn University                                    | AL    | Doctor's - Res/Sch & Prof Prac |                      |
| Private                                                                 | Baylor College of Medicine                           | TX    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Private                                                                 | Boston University                                    | MA    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Private                                                                 | Brandeis University                                  | MA    | Doctor's - Research/Scholar    |                      |
| Private                                                                 | Brown University                                     | RI    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Private                                                                 | California Institute of Technology                   | CA    | Doctor's - Research/Scholar    |                      |
| Private                                                                 | Carnegie Mellon University                           | PA    | Doctor's - Research/Scholar    |                      |
| Private                                                                 | Case Western Reserve University                      | OH    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | Clemson University                                   | SC    | Doctor's - Research/Scholar    |                      |
| Public                                                                  | Cleveland State University                           | OH    | Doctor's - Res/Sch & Prof Prac |                      |
| Private                                                                 | Cold Spring Harbor Lab. - Watson School of Bio. Sci. | NY    | Doctor's - Research/Scholar    |                      |
| Public                                                                  | Colorado State University - Fort Collins             | CO    | Doctor's - Res/Sch & Prof Prac |                      |
| Private                                                                 | Columbia University                                  | NY    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Private                                                                 | Cornell University                                   | NY    | Doctor's - Res/Sch & Prof Prac |                      |
| Private                                                                 | Dartmouth College                                    | NH    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Private                                                                 | Drexel University                                    | PA    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Private                                                                 | Duke University                                      | NC    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Private                                                                 | Emory University                                     | GA    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | Florida International University                     | FL    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | Florida State University                             | FL    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | George Mason University                              | VA    | Doctor's - Res/Sch & Prof Prac |                      |
| Private                                                                 | George Washington University                         | DC    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Private                                                                 | Georgetown University                                | DC    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | Georgia Health Sciences University                   | GA    | Doctor's - Res/Sch & Prof Prac |                      |
| Public                                                                  | Georgia Institute of Technology                      | GA    | Doctor's - Research/Scholar    |                      |
| Private                                                                 | Harvard University                                   | MA    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Private                                                                 | Icahn School of Medicine at Mount Sinai              | NY    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | Indiana University - Bloomington                     | IN    | Doctor's - Res/Sch & Prof Prac |                      |
| Public                                                                  | Indiana University-Purdue University - Indianapolis  | IN    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | Iowa State University                                | IA    | Doctor's - Res/Sch & Prof Prac |                      |
| Private                                                                 | Johns Hopkins University                             | MD    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | Kansas State University                              | KS    | Doctor's - Res/Sch & Prof Prac |                      |
| Public                                                                  | Louisiana State University - Baton Rouge             | LA    | Doctor's - Res/Sch & Prof Prac |                      |
| Public                                                                  | Louisiana State University HSC - New Orleans         | LA    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Private                                                                 | Massachusetts Institute of Technology                | MA    | Doctor's - Research/Scholar    |                      |
| Private                                                                 | Medical College of Wisconsin                         | WI    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | Medical University of South Carolina                 | SC    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | Michigan State University                            | MI    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | Mississippi State University                         | MS    | Doctor's - Res/Sch & Prof Prac |                      |
| Public                                                                  | Montana State University - Bozeman                   | MT    | Doctor's - Res/Sch & Prof Prac |                      |
| Public                                                                  | Naval Postgraduate School                            | CA    | Doctor's - Research/Scholar    |                      |
| Public                                                                  | New Jersey Institute of Technology                   | NJ    | Doctor's - Research/Scholar    |                      |
| Public                                                                  | New Mexico State University - Las Cruces             | NM    | Doctor's - Research/Scholar    |                      |
| Private                                                                 | New York University                                  | NY    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | North Carolina State University                      | NC    | Doctor's - Res/Sch & Prof Prac |                      |
| Public                                                                  | North Dakota State University                        | ND    | Doctor's - Res/Sch & Prof Prac |                      |
| Private                                                                 | Northeastern University                              | MA    | Doctor's - Res/Sch & Prof Prac |                      |
| Private                                                                 | Northwestern University                              | IL    | Doctor's - Res/Sch & Prof Prac | Yes                  |

| Federal Land Grant Institution | Federal Research Focus                                     | Total Student Enrollment Fall 2012 |
|--------------------------------|------------------------------------------------------------|------------------------------------|
|                                | Moderate Engineering                                       | 73,378                             |
| Yes                            | Moderate Life Sciences and Moderate Engineering            | 25,134                             |
|                                | All Life Sciences                                          | 1,525                              |
|                                | Strong Life Sciences                                       | 32,603                             |
|                                | Strong Life Sciences                                       | 5,808                              |
|                                | Strong Life Sciences                                       | 8,885                              |
|                                | Strong Physical Sciences                                   | 2,243                              |
|                                | Moderate Computer Sciences and Moderate Engineering        | 11,978                             |
|                                | Heavy Life Sciences                                        | 10,026                             |
| Yes                            | Strong Engineering                                         | 20,768                             |
|                                | Heavy Life Sciences                                        | 17,278                             |
|                                | All Life Sciences                                          | 54                                 |
| Yes                            | Moderate Life Sciences and Moderate Environmental Sciences | 30,659                             |
|                                | Strong Life Sciences                                       | 26,471                             |
| Yes                            | Moderate Life Sciences and Moderate Physical Sciences      | 21,424                             |
|                                | Heavy Life Sciences                                        | 6,277                              |
|                                | Strong Life Sciences and Moderate Engineering              | 25,500                             |
|                                | Heavy Life Sciences                                        | 15,386                             |
|                                | Heavy Life Sciences                                        | 14,236                             |
|                                | Moderate Life Sciences                                     | 46,171                             |
|                                | Moderate Physical Sciences and Moderate Engineering        | 40,695                             |
|                                | Mixed                                                      | 32,961                             |
|                                | Strong Life Sciences                                       | 25,653                             |
|                                | Heavy Life Sciences                                        | 17,357                             |
|                                | All Life Sciences                                          | 2,506                              |
|                                | Strong Engineering                                         | 21,557                             |
|                                | Strong Life Sciences                                       | 28,147                             |
|                                | All Life Sciences                                          | 1,064                              |
|                                | Moderate Life Sciences and Moderate Physical Sciences      | 42,133                             |
|                                | Heavy Life Sciences                                        | 30,451                             |
| Yes                            | Moderate Life Sciences and Moderate Engineering            | 30,748                             |
|                                | Moderate Life Sciences and Moderate Engineering            | 20,871                             |
| Yes                            | Strong Life Sciences                                       | 24,378                             |
| Yes-System                     | Strong Life Sciences                                       | 30,225                             |
| No-System                      | All Life Sciences                                          | 2,788                              |
|                                | Moderate Engineering                                       | 11,189                             |
|                                | All Life Sciences                                          | 1,209                              |
|                                | All Life Sciences                                          | 2,731                              |
| Yes                            | Moderate Life Sciences                                     | 48,783                             |
| Yes                            | Moderate Life Sciences and Moderate Engineering            | 20,365                             |
| Yes                            | Moderate Life Sciences                                     | 14,269                             |
|                                | Moderate Other Sciences                                    | 3,090                              |
|                                | Strong Engineering                                         | 9,944                              |
| Yes                            | Strong Engineering                                         | 17,651                             |
|                                | Heavy Life Sciences                                        | 44,516                             |
| Yes                            | Moderate Life Sciences and Moderate Engineering            | 34,340                             |
| Yes                            | Moderate Life Sciences and Moderate Physical Sciences      | 14,443                             |
|                                | Moderate Life Sciences and Moderate Engineering            | 27,694                             |
|                                | Strong Life Sciences                                       | 21,215                             |

| Institutional Characteristics                                           |                                                      |       |                                |                      |
|-------------------------------------------------------------------------|------------------------------------------------------|-------|--------------------------------|----------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                                      | State | Highest Degree Offered         | Has a Medical School |
| Public                                                                  | Ohio State University - Columbus                     | OH    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | Oklahoma State University - Stillwater               | OK    | Doctor's - Res/Sch & Prof Prac |                      |
| Public                                                                  | Oregon Health & Science University                   | OR    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | Oregon State University                              | OR    | Doctor's - Res/Sch & Prof Prac |                      |
| Public                                                                  | Pennsylvania State University - Hershey Medical Ctr. | PA    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | Pennsylvania State University - University Park      | PA    | Doctor's - Res/Sch & Prof Prac |                      |
| Private                                                                 | Princeton University                                 | NJ    | Doctor's - Research/Scholar    |                      |
| Public                                                                  | Purdue University - West Lafayette                   | IN    | Doctor's - Res/Sch & Prof Prac |                      |
| Private                                                                 | Rensselaer Polytechnic Institute                     | NY    | Doctor's - Research/Scholar    |                      |
| Private                                                                 | Rice University                                      | TX    | Doctor's - Research/Scholar    |                      |
| Private                                                                 | Rockefeller University                               | NY    | Doctor's - Research/Scholar    |                      |
| Private                                                                 | Rush University                                      | IL    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | Rutgers University - New Brunswick                   | NJ    | Doctor's - Res/Sch & Prof Prac |                      |
| Public                                                                  | San Diego State University                           | CA    | Doctor's - Other               |                      |
| Private                                                                 | Scripps Research Institute                           | CA    | Doctor's - Research/Scholar    |                      |
| Public                                                                  | South Dakota State University                        | SD    | Doctor's - Res/Sch & Prof Prac |                      |
| Private                                                                 | Stanford University                                  | CA    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | Stony Brook University                               | NY    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | Temple University                                    | PA    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | Texas A&M University - College Station               | TX    | Doctor's - Res/Sch & Prof Prac |                      |
| Private                                                                 | Thomas Jefferson University                          | PA    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Private                                                                 | Tufts University                                     | MA    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Private                                                                 | Tulane University                                    | LA    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | Uniformed Services University of the Health Sciences | MD    | Doctor's - Res/Sch & Prof Prac |                      |
| Public                                                                  | University at Albany                                 | NY    | Doctor's - Research/Scholar    |                      |
| Public                                                                  | University at Buffalo                                | NY    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of Alabama - Birmingham                   | AL    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of Alabama - Huntsville                   | AL    | Doctor's - Res/Sch & Prof Prac |                      |
| Public                                                                  | University of Alaska - Fairbanks                     | AK    | Doctor's - Research/Scholar    |                      |
| Public                                                                  | University of Arizona                                | AZ    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of Arkansas for Medical Sciences          | AR    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of California - Berkeley                  | CA    | Doctor's - Res/Sch & Prof Prac |                      |
| Public                                                                  | University of California - Davis                     | CA    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of California - Irvine                    | CA    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of California - Los Angeles               | CA    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of California - Riverside                 | CA    | Doctor's - Res/Sch & Prof Prac |                      |
| Public                                                                  | University of California - San Diego                 | CA    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of California - San Francisco             | CA    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of California - Santa Barbara             | CA    | Doctor's - Research/Scholar    |                      |
| Public                                                                  | University of California - Santa Cruz                | CA    | Doctor's - Research/Scholar    |                      |
| Public                                                                  | University of Central Florida                        | FL    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Private                                                                 | University of Chicago                                | IL    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of Cincinnati - Cincinnati                | OH    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of Colorado - Boulder                     | CO    | Doctor's - Res/Sch & Prof Prac |                      |
| Public                                                                  | University of Colorado - Denver                      | CO    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of Connecticut - Health Center            | CT    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of Connecticut - Storrs                   | CT    | Doctor's - Res/Sch & Prof Prac |                      |
| Private                                                                 | University of Dayton                                 | OH    | Doctor's - Res/Sch & Prof Prac |                      |
| Public                                                                  | University of Delaware                               | DE    | Doctor's - Res/Sch & Prof Prac |                      |

| Federal Land Grant Institution | Federal Research Focus                                         | Total Student Enrollment Fall 2012 |
|--------------------------------|----------------------------------------------------------------|------------------------------------|
| Yes                            | Strong Life Sciences                                           | 56,387                             |
| Yes                            | Strong Engineering                                             | 25,708                             |
|                                | Heavy Life Sciences                                            | 2,849                              |
| Yes                            | Moderate Life Sciences and Moderate Environmental Sciences     | 26,363                             |
|                                | All Life Sciences                                              | 792                                |
| Yes                            | Moderate Engineering                                           | 45,783                             |
|                                | Moderate Engineering                                           | 7,975                              |
| Yes                            | Moderate Life Sciences and Moderate Engineering                | 40,393                             |
|                                | Strong Engineering                                             | 6,658                              |
|                                | Moderate Physical Sciences and Moderate Engineering            | 6,484                              |
|                                | Heavy Life Sciences                                            | 192                                |
|                                | All Life Sciences                                              | 2,172                              |
| Yes                            | Moderate Life Sciences                                         | 40,434                             |
|                                | Strong Life Sciences                                           | 30,843                             |
|                                | All Life Sciences                                              | 0                                  |
| Yes                            | Strong Life Sciences                                           | 12,583                             |
|                                | Strong Life Sciences                                           | 18,519                             |
|                                | Moderate Life Sciences                                         | 23,946                             |
|                                | Strong Life Sciences                                           | 36,744                             |
| Yes                            | Moderate Life Sciences, Engineering and Environmental Sciences | 50,627                             |
|                                | All Life Sciences                                              | 3,673                              |
|                                | Heavy Life Sciences                                            | 10,837                             |
|                                | Heavy Life Sciences                                            | 12,958                             |
|                                | Heavy Life Sciences                                            |                                    |
|                                | Heavy Life Sciences                                            | 17,312                             |
|                                | Strong Life Sciences                                           | 28,952                             |
|                                | Heavy Life Sciences                                            | 17,999                             |
|                                | Moderate Computer Sciences and Moderate Engineering            | 7,636                              |
| Yes-System                     | Moderate Environmental Sciences                                | 9,223                              |
| Yes                            | Moderate Life Sciences and Moderate Physical Sciences          | 40,223                             |
|                                | All Life Sciences                                              | 2,809                              |
| Yes-System                     | Moderate Life Sciences                                         | 35,893                             |
| Yes-System                     | Heavy Life Sciences                                            | 32,354                             |
| No-System                      | Strong Life Sciences                                           | 27,479                             |
| No-System                      | Strong Life Sciences                                           | 39,945                             |
| Yes-System                     | Moderate Life Sciences                                         | 20,947                             |
| No-System                      | Strong Life Sciences                                           | 28,294                             |
| No-System                      | All Life Sciences                                              | 3,137                              |
| No-System                      | Moderate Engineering                                           | 21,927                             |
| No-System                      | Moderate Engineering                                           | 17,404                             |
|                                | Moderate Engineering                                           | 59,601                             |
|                                | Strong Life Sciences                                           | 15,245                             |
|                                | Heavy Life Sciences                                            | 33,347                             |
|                                | Moderate Environmental Sciences and Moderate Physical Sciences | 31,945                             |
|                                | All Life Sciences                                              | 22,396                             |
|                                | All Life Sciences                                              |                                    |
| Yes                            | Moderate Life Sciences and Moderate Engineering                | 25,483                             |
|                                | All Engineering                                                | 11,159                             |
| Yes                            | Moderate Engineering                                           | 21,856                             |

| Institutional Characteristics                                           |                                                      |       |                                |                      |
|-------------------------------------------------------------------------|------------------------------------------------------|-------|--------------------------------|----------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                                      | State | Highest Degree Offered         | Has a Medical School |
| Public                                                                  | University of Florida                                | FL    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of Georgia                                | GA    | Doctor's - Res/Sch & Prof Prac |                      |
| Public                                                                  | University of Hawaii - Manoa                         | HI    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of Houston - University Park              | TX    | Doctor's - Res/Sch & Prof Prac |                      |
| Public                                                                  | University of Idaho                                  | ID    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of Illinois - Chicago                     | IL    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of Illinois - Urbana-Champaign            | IL    | Doctor's - Res/Sch & Prof Prac |                      |
| Public                                                                  | University of Iowa                                   | IA    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of Kansas - Lawrence                      | KS    | Doctor's - Res/Sch & Prof Prac |                      |
| Public                                                                  | University of Kansas Medical Center                  | KS    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of Kentucky                               | KY    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of Louisville                             | KY    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of Maryland - Baltimore                   | MD    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of Maryland - Baltimore County            | MD    | Doctor's - Research/Scholar    |                      |
| Public                                                                  | University of Maryland - College Park                | MD    | Doctor's - Res/Sch & Prof Prac |                      |
| Public                                                                  | University of Massachusetts - Amherst                | MA    | Doctor's - Res/Sch & Prof Prac |                      |
| Public                                                                  | University of Massachusetts Medical Sch. - Worcester | MA    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of Medicine & Dentistry of New Jersey     | NJ    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Private                                                                 | University of Miami                                  | FL    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of Michigan - Ann Arbor                   | MI    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of Minnesota - Twin Cities                | MN    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of Missouri - Columbia                    | MO    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of Nebraska - Lincoln                     | NE    | Doctor's - Res/Sch & Prof Prac |                      |
| Public                                                                  | University of Nebraska Medical Center                | NE    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of Nevada - Reno                          | NV    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of New Hampshire - Durham                 | NH    | Doctor's - Res/Sch & Prof Prac |                      |
| Public                                                                  | University of New Mexico - Albuquerque               | NM    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of North Carolina - Chapel Hill           | NC    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of North Dakota                           | ND    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Private                                                                 | University of Notre Dame                             | IN    | Doctor's - Res/Sch & Prof Prac |                      |
| Public                                                                  | University of Oklahoma - Norman                      | OK    | Doctor's - Res/Sch & Prof Prac |                      |
| Public                                                                  | University of Oklahoma Health Sciences Center        | OK    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of Oregon                                 | OR    | Doctor's - Res/Sch & Prof Prac |                      |
| Private                                                                 | University of Pennsylvania                           | PA    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of Pittsburgh - Pittsburgh                | PA    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of Rhode Island                           | RI    | Doctor's - Res/Sch & Prof Prac |                      |
| Private                                                                 | University of Rochester                              | NY    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of South Carolina - Columbia              | SC    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of South Florida - Tampa                  | FL    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Private                                                                 | University of Southern California                    | CA    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of Tennessee - Knoxville                  | TN    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of Tennessee Health Science Center        | TN    | Doctor's - Res/Sch & Prof Prac |                      |
| Public                                                                  | University of Texas - Austin                         | TX    | Doctor's - Res/Sch & Prof Prac |                      |
| Public                                                                  | University of Texas Health Science Center - Houston  | TX    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of Texas Health Science Ctr - San Antonio | TX    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of Texas MD Anderson Cancer Center        | TX    | Master's                       |                      |
| Public                                                                  | University of Texas Medical Branch - Galveston       | TX    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of Texas SW Medical Center - Dallas       | TX    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of Utah                                   | UT    | Doctor's - Res/Sch & Prof Prac | Yes                  |

| Federal Land Grant Institution | Federal Research Focus                                     | Total Student Enrollment Fall 2012 |
|--------------------------------|------------------------------------------------------------|------------------------------------|
| Yes                            | Strong Life Sciences                                       | 49,913                             |
| Yes                            | Strong Life Sciences                                       | 34,519                             |
| Yes                            | Moderate Life Sciences and Moderate Environmental Sciences | 20,426                             |
|                                | Moderate Engineering                                       | 40,747                             |
| Yes                            | Strong Life Sciences                                       | 12,420                             |
|                                | Heavy Life Sciences                                        | 27,875                             |
| Yes                            | Moderate Life Sciences and Moderate Engineering            | 44,520                             |
|                                | Heavy Life Sciences                                        | 30,129                             |
|                                | Strong Life Sciences                                       | 27,135                             |
|                                | All Life Sciences                                          |                                    |
| Yes                            | Strong Life Sciences                                       | 28,034                             |
|                                | Heavy Life Sciences                                        | 21,239                             |
|                                | All Life Sciences                                          | 6,368                              |
|                                | Moderate Environmental Sciences                            | 13,637                             |
| Yes                            | Mixed                                                      | 37,248                             |
| Yes                            | Moderate Life Sciences                                     | 28,236                             |
|                                | All Life Sciences                                          | 1,160                              |
|                                | All Life Sciences                                          | 6,972                              |
|                                | Strong Life Sciences                                       | 16,172                             |
|                                | Strong Life Sciences                                       | 43,426                             |
| Yes                            | Strong Life Sciences                                       | 51,853                             |
| Yes-System                     | Strong Life Sciences                                       | 34,704                             |
| Yes-System                     | Moderate Life Sciences                                     | 24,207                             |
| No-System                      | All Life Sciences                                          | 3,655                              |
| Yes                            | Moderate Life Sciences                                     | 18,227                             |
| Yes                            | Strong Environmental Sciences and Moderate Engineering     | 15,267                             |
|                                | Strong Life Sciences                                       | 29,033                             |
|                                | Strong Life Sciences                                       | 29,278                             |
|                                | Moderate Life Sciences and Strong Engineering              | 15,250                             |
|                                | Moderate Physical Sciences and Moderate Engineering        | 12,126                             |
|                                | Moderate Environmental Sciences                            | 27,507                             |
|                                | Strong Life Sciences                                       | 3,605                              |
|                                | Moderate Life Sciences                                     | 24,518                             |
|                                | Heavy Life Sciences                                        | 24,725                             |
|                                | Heavy Life Sciences                                        | 28,769                             |
| Yes                            | Moderate Environmental Sciences                            | 16,451                             |
|                                | Strong Life Sciences and Moderate Engineering              | 10,510                             |
|                                | Moderate Life Sciences                                     | 31,288                             |
|                                | Heavy Life Sciences                                        | 41,116                             |
|                                | Strong Life Sciences                                       | 39,958                             |
| Yes                            | Moderate Engineering                                       | 29,833                             |
|                                | All Life Sciences                                          |                                    |
|                                | Moderate Engineering                                       | 52,186                             |
|                                | All Life Sciences                                          | 4,489                              |
|                                | All Life Sciences                                          | 3,249                              |
|                                | Heavy Life Sciences                                        | 290                                |
|                                | All Life Sciences                                          | 3,012                              |
|                                | All Life Sciences                                          | 2,424                              |
|                                | Strong Life Sciences                                       | 32,388                             |

| Institutional Characteristics                                           |                                                     |       |                                |                      |
|-------------------------------------------------------------------------|-----------------------------------------------------|-------|--------------------------------|----------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                                     | State | Highest Degree Offered         | Has a Medical School |
| Public                                                                  | University of Vermont                               | VT    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of Virginia                              | VA    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of Washington - Seattle                  | WA    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of Wisconsin - Madison                   | WI    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | University of Wyoming                               | WY    | Doctor's - Res/Sch & Prof Prac |                      |
| Public                                                                  | Utah State University                               | UT    | Doctor's - Res/Sch & Prof Prac |                      |
| Private                                                                 | Vanderbilt University                               | TN    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | Virginia Commonwealth University                    | VA    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | Virginia Polytechnic Institute and State University | VA    | Doctor's - Res/Sch & Prof Prac |                      |
| Private                                                                 | Wake Forest University                              | NC    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | Washington State University - Pullman               | WA    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Private                                                                 | Washington University in St. Louis                  | MO    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | Wayne State University                              | MI    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Private                                                                 | Weill Cornell Medical College                       | NY    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Public                                                                  | West Virginia University                            | WV    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Private                                                                 | Woods Hole Oceanographic Institution                | MA    | Non-Degree Granting            |                      |
| Private                                                                 | Yale University                                     | CT    | Doctor's - Res/Sch & Prof Prac | Yes                  |
| Private                                                                 | Yeshiva University                                  | NY    | Doctor's - Res/Sch & Prof Prac | Yes                  |

| Federal Land Grant Institution | Federal Research Focus                                     | Total Student Enrollment Fall 2012 |
|--------------------------------|------------------------------------------------------------|------------------------------------|
| Yes                            | Heavy Life Sciences                                        | 13,098                             |
|                                | Strong Life Sciences                                       | 23,907                             |
|                                | Strong Life Sciences                                       | 43,485                             |
| Yes                            | Strong Life Sciences                                       | 42,269                             |
| Yes                            | Moderate Life Sciences and Moderate Environmental Sciences | 12,903                             |
| Yes                            | Strong Engineering                                         | 28,786                             |
|                                | Heavy Life Sciences                                        | 12,710                             |
|                                | Heavy Life Sciences                                        | 31,445                             |
| Yes                            | Moderate Life Sciences and Moderate Engineering            | 31,087                             |
|                                | All Life Sciences                                          | 7,432                              |
| Yes                            | Strong Life Sciences                                       | 27,679                             |
|                                | Heavy Life Sciences                                        | 13,952                             |
|                                | Heavy Life Sciences                                        | 28,938                             |
|                                | Strong Life Sciences                                       | 1,027                              |
| Yes                            | Strong Life Sciences and Moderate Engineering              | 29,707                             |
|                                | Strong Environmental Sciences and Moderate Engineering     | 0                                  |
|                                | Heavy Life Sciences                                        | 11,906                             |
|                                | All Life Sciences                                          | 6,740                              |

## The Top American Research Universities

| Student Characteristics                                                 |                                       | Fall 2012 Headcount Enrollment |                              |       |                         |        |                                |                             |
|-------------------------------------------------------------------------|---------------------------------------|--------------------------------|------------------------------|-------|-------------------------|--------|--------------------------------|-----------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                       | Total Student Enrollment       | Total Undergraduate Students | %     | Total Graduate Students | %      | First-time, Full-time Students | Full-time Transfer Students |
| Public                                                                  | Arizona State University - Tempe      | 73,378                         | 59,382                       | 80.9% | 13,996                  | 19.1%  | 8,393                          | 5,414                       |
| Public                                                                  | Auburn University                     | 25,134                         | 20,175                       | 80.3% | 4,959                   | 19.7%  | 3,815                          | 1,024                       |
| Private                                                                 | Baylor College of Medicine            | 1,525                          | 0                            | 0.0%  | 1,525                   | 100.0% | 0                              | 0                           |
| Private                                                                 | Boston University                     | 32,603                         | 18,306                       | 56.1% | 14,297                  | 43.9%  | 3,877                          | 331                         |
| Private                                                                 | Brandeis University                   | 5,808                          | 3,588                        | 61.8% | 2,220                   | 38.2%  | 820                            | 58                          |
| Private                                                                 | Brown University                      | 8,885                          | 6,435                        | 72.4% | 2,450                   | 27.6%  | 1,536                          | 67                          |
| Private                                                                 | California Institute of Technology    | 2,243                          | 997                          | 44.4% | 1,246                   | 55.6%  | 264                            | 5                           |
| Private                                                                 | Carnegie Mellon University            | 11,978                         | 5,921                        | 49.4% | 6,057                   | 50.6%  | 1,408                          | 68                          |
| Private                                                                 | Case Western Reserve University       | 10,026                         | 4,386                        | 43.7% | 5,640                   | 56.3%  | 1,371                          | 55                          |
| Public                                                                  | Clemson University                    | 20,768                         | 16,562                       | 79.7% | 4,206                   | 20.3%  | 3,435                          | 1,089                       |
| Public                                                                  | Cleveland State University            | 17,278                         | 11,808                       | 68.3% | 5,470                   | 31.7%  | 1,531                          | 1,246                       |
| Private                                                                 | Cold Springs Harbor Laboratory        | 54                             | 0                            | 0.0%  | 54                      | 100.0% | 0                              | 0                           |
| Public                                                                  | Colorado State Univ. - Fort Collins   | 30,659                         | 23,252                       | 75.8% | 7,407                   | 24.2%  | 4,401                          | 1,181                       |
| Private                                                                 | Columbia University                   | 26,471                         | 7,814                        | 29.5% | 18,657                  | 70.5%  | 1,431                          | 492                         |
| Private                                                                 | Cornell University                    | 21,424                         | 14,261                       | 66.6% | 7,163                   | 33.4%  | 3,217                          | 543                         |
| Private                                                                 | Dartmouth College                     | 6,277                          | 4,193                        | 66.8% | 2,084                   | 33.2%  | 1,095                          | 3                           |
| Private                                                                 | Drexel University                     | 25,500                         | 15,876                       | 62.3% | 9,624                   | 37.7%  | 3,027                          | 895                         |
| Private                                                                 | Duke University                       | 15,386                         | 6,655                        | 43.3% | 8,731                   | 56.7%  | 1,714                          | 16                          |
| Private                                                                 | Emory University                      | 14,236                         | 7,656                        | 53.8% | 6,580                   | 46.2%  | 1,823                          | 236                         |
| Public                                                                  | Florida International University      | 46,171                         | 37,475                       | 81.2% | 8,696                   | 18.8%  | 4,124                          | 3,113                       |
| Public                                                                  | Florida State University              | 40,695                         | 32,171                       | 79.1% | 8,524                   | 20.9%  | 5,683                          | 1,912                       |
| Public                                                                  | George Mason University               | 32,961                         | 20,653                       | 62.7% | 12,308                  | 37.3%  | 2,681                          | 1,686                       |
| Private                                                                 | George Washington University          | 25,653                         | 10,464                       | 40.8% | 15,189                  | 59.2%  | 2,376                          | 306                         |
| Private                                                                 | Georgetown University                 | 17,357                         | 7,552                        | 43.5% | 9,805                   | 56.5%  | 1,568                          | 167                         |
| Public                                                                  | Georgia Health Sciences University    | 2,506                          | 422                          | 16.8% | 2,084                   | 83.2%  | 0                              | 0                           |
| Public                                                                  | Georgia Institute of Technology       | 21,557                         | 14,527                       | 67.4% | 7,030                   | 32.6%  | 3,039                          | 568                         |
| Private                                                                 | Harvard University                    | 28,147                         | 10,564                       | 37.5% | 17,583                  | 62.5%  | 1,665                          | 12                          |
| Private                                                                 | Icahn School of Med. at Mount Sinai   | 1,064                          | 0                            | 0.0%  | 1,064                   | 100.0% | 0                              | 0                           |
| Public                                                                  | Indiana University - Bloomington      | 42,133                         | 32,371                       | 76.8% | 9,762                   | 23.2%  | 7,579                          | 902                         |
| Public                                                                  | Indiana U. - Purdue U. - Indianapolis | 30,451                         | 22,271                       | 73.1% | 8,180                   | 26.9%  | 3,049                          | 1,319                       |
| Public                                                                  | Iowa State University                 | 30,748                         | 25,553                       | 83.1% | 5,195                   | 16.9%  | 5,354                          | 1,750                       |
| Private                                                                 | Johns Hopkins University              | 20,871                         | 6,023                        | 28.9% | 14,848                  | 71.1%  | 1,391                          | 244                         |
| Public                                                                  | Kansas State University               | 24,378                         | 19,853                       | 81.4% | 4,525                   | 18.6%  | 3,786                          | 1,360                       |
| Public                                                                  | Louisiana State Univ. - Baton Rouge   | 30,225                         | 24,626                       | 81.5% | 5,599                   | 18.5%  | 5,717                          | 844                         |
| Public                                                                  | Louisiana St. U. HSC - New Orleans    | 2,788                          | 902                          | 32.4% | 1,886                   | 67.6%  | 0                              | 100                         |
| Private                                                                 | Massachusetts Inst. of Technology     | 11,189                         | 4,503                        | 40.2% | 6,686                   | 59.8%  | 1,135                          | 22                          |
| Private                                                                 | Medical College of Wisconsin          | 1,209                          | 0                            | 0.0%  | 1,209                   | 100.0% | 0                              | 0                           |
| Public                                                                  | Medical University of South Carolina  | 2,731                          | 204                          | 7.5%  | 2,527                   | 92.5%  | 0                              | 71                          |
| Public                                                                  | Michigan State University             | 48,783                         | 37,354                       | 76.6% | 11,429                  | 23.4%  | 8,218                          | 1,310                       |
| Public                                                                  | Mississippi State University          | 20,365                         | 16,390                       | 80.5% | 3,975                   | 19.5%  | 2,887                          | 1,489                       |
| Public                                                                  | Montana State University - Bozeman    | 14,269                         | 12,679                       | 88.9% | 1,590                   | 11.1%  | 2,199                          | 723                         |
| Public                                                                  | Naval Postgraduate School             | 3,090                          | 0                            | 0.0%  | 3,090                   | 100.0% | 0                              | 0                           |
| Public                                                                  | New Jersey Institute of Technology    | 9,944                          | 7,111                        | 71.5% | 2,833                   | 28.5%  | 939                            | 531                         |
| Public                                                                  | New Mexico State Univ. - Las Cruces   | 17,651                         | 14,276                       | 80.9% | 3,375                   | 19.1%  | 2,034                          | 577                         |
| Private                                                                 | New York University                   | 44,516                         | 22,498                       | 50.5% | 22,018                  | 49.5%  | 5,124                          | 662                         |
| Public                                                                  | North Carolina State University       | 34,340                         | 24,833                       | 72.3% | 9,507                   | 27.7%  | 4,389                          | 1,120                       |
| Public                                                                  | North Dakota State University         | 14,443                         | 11,988                       | 83.0% | 2,455                   | 17.0%  | 2,408                          | 664                         |
| Private                                                                 | Northeastern University               | 27,694                         | 16,640                       | 60.1% | 11,054                  | 39.9%  | 2,664                          | 683                         |
| Private                                                                 | Northwestern University               | 21,215                         | 9,376                        | 44.2% | 11,839                  | 55.8%  | 2,037                          | 108                         |

| Fall 2012 Part-Time Enrollment                  |                                                 |                                            | 2012-2013 Degrees Awarded |                    |                  |                   |                      |
|-------------------------------------------------|-------------------------------------------------|--------------------------------------------|---------------------------|--------------------|------------------|-------------------|----------------------|
| Percentage of Total Students Enrolled Part Time | Percentage of Undergraduates Enrolled Part Time | Percentage of Graduates Enrolled Part Time | Associate's Degrees       | Bachelor's Degrees | Master's Degrees | Doctorate Degrees | Professional Degrees |
| 19.5%                                           | 15.9%                                           | 34.9%                                      | 0                         | 9,299              | 2,795            | 519               | 204                  |
| 16.1%                                           | 8.6%                                            | 46.7%                                      | 0                         | 4,401              | 1,086            | 237               | 246                  |
| 0.0%                                            |                                                 | 0.0%                                       | 0                         | 0                  | 59               | 85                | 191                  |
| 20.1%                                           | 9.1%                                            | 34.1%                                      | 0                         | 4,071              | 4,197            | 488               | 687                  |
| 8.1%                                            | 0.7%                                            | 20.0%                                      | 0                         | 1,285              | 815              | 93                | 0                    |
| 5.2%                                            | 4.9%                                            | 6.0%                                       | 0                         | 1,916              | 491              | 205               | 113                  |
| 0.0%                                            | 0.0%                                            | 0.0%                                       | 0                         | 256                | 96               | 236               | 0                    |
| 9.0%                                            | 3.1%                                            | 14.8%                                      | 0                         | 1,660              | 2,408            | 295               | 0                    |
| 11.5%                                           | 2.9%                                            | 18.2%                                      | 0                         | 1,064              | 1,118            | 168               | 537                  |
| 11.3%                                           | 5.5%                                            | 34.1%                                      | 0                         | 3,747              | 1,152            | 187               | 0                    |
| 39.5%                                           | 27.3%                                           | 65.7%                                      | 0                         | 2,229              | 1,426            | 44                | 178                  |
| 0.0%                                            |                                                 | 0.0%                                       | 0                         | 0                  | 1                | 8                 | 0                    |
| 24.3%                                           | 12.5%                                           | 61.1%                                      | 0                         | 5,034              | 1,587            | 232               | 140                  |
| 16.5%                                           | 7.4%                                            | 20.3%                                      | 0                         | 2,583              | 6,958            | 627               | 755                  |
| 0.4%                                            | 0.1%                                            | 0.9%                                       | 0                         | 3,932              | 2,289            | 490               | 281                  |
| 2.3%                                            | 1.3%                                            | 4.5%                                       | 0                         | 1,244              | 643              | 91                | 103                  |
| 29.4%                                           | 17.7%                                           | 48.7%                                      | 26                        | 2,986              | 2,446            | 207               | 464                  |
| 3.0%                                            | 0.4%                                            | 5.0%                                       | 0                         | 2,162              | 2,006            | 495               | 635                  |
| 8.3%                                            | 1.2%                                            | 16.5%                                      | 427                       | 2,170              | 1,342            | 227               | 490                  |
| 35.1%                                           | 35.9%                                           | 31.9%                                      | 89                        | 8,460              | 3,014            | 156               | 251                  |
| 14.8%                                           | 10.7%                                           | 30.3%                                      | 133                       | 9,080              | 2,316            | 370               | 366                  |
| 38.4%                                           | 21.2%                                           | 67.2%                                      | 0                         | 5,015              | 2,980            | 249               | 261                  |
| 32.2%                                           | 6.7%                                            | 49.7%                                      | 192                       | 2,795              | 4,210            | 228               | 843                  |
| 18.2%                                           | 4.0%                                            | 29.2%                                      | 0                         | 2,214              | 3,052            | 131               | 844                  |
| 7.5%                                            | 7.1%                                            | 7.6%                                       | 0                         | 0                  | 0                | 0                 | 0                    |
| 12.6%                                           | 8.6%                                            | 20.7%                                      | 0                         | 3,122              | 1,961            | 488               | 0                    |
| 27.5%                                           | 31.5%                                           | 25.1%                                      | 9                         | 1,861              | 4,041            | 686               | 778                  |
| 0.0%                                            |                                                 | 0.0%                                       | 0                         | 0                  | 61               | 35                | 142                  |
| 11.6%                                           | 4.4%                                            | 35.3%                                      | 20                        | 7,866              | 2,607            | 479               | 308                  |
| 33.6%                                           | 27.6%                                           | 49.9%                                      | 160                       | 3,810              | 1,567            | 48                | 707                  |
| 11.2%                                           | 5.3%                                            | 40.6%                                      | 0                         | 5,426              | 812              | 363               | 142                  |
| 37.1%                                           | 2.6%                                            | 51.1%                                      | 0                         | 1,973              | 4,439            | 530               | 132                  |
| 16.8%                                           | 10.4%                                           | 45.3%                                      | 49                        | 3,677              | 990              | 158               | 105                  |
| 10.1%                                           | 7.9%                                            | 19.8%                                      | 0                         | 4,574              | 1,167            | 305               | 300                  |
| 19.5%                                           | 38.8%                                           | 10.3%                                      | 4                         | 337                | 201              | 21                | 296                  |
| 1.5%                                            | 0.5%                                            | 2.2%                                       | 0                         | 1,206              | 1,760            | 587               | 0                    |
| 16.2%                                           |                                                 | 16.2%                                      | 0                         | 0                  | 48               | 40                | 191                  |
| 6.0%                                            | 1.0%                                            | 6.4%                                       | 0                         | 124                | 328              | 137               | 286                  |
| 12.7%                                           | 8.5%                                            | 26.8%                                      | 0                         | 7,909              | 2,042            | 499               | 494                  |
| 16.5%                                           | 8.5%                                            | 49.5%                                      | 0                         | 3,215              | 811              | 131               | 77                   |
| 21.7%                                           | 16.4%                                           | 64.2%                                      | 28                        | 1,924              | 505              | 49                | 0                    |
| 40.6%                                           |                                                 | 40.6%                                      | 0                         | 0                  | 1,333            | 19                | 0                    |
| 28.9%                                           | 22.2%                                           | 45.4%                                      | 0                         | 1,142              | 940              | 67                | 0                    |
| 24.1%                                           | 18.2%                                           | 48.7%                                      | 25                        | 2,599              | 810              | 132               | 0                    |
| 21.5%                                           | 5.6%                                            | 37.7%                                      | 96                        | 6,310              | 6,965            | 405               | 1,046                |
| 21.1%                                           | 12.1%                                           | 44.4%                                      | 129                       | 5,446              | 2,327            | 488               | 72                   |
| 18.8%                                           | 10.6%                                           | 58.7%                                      | 0                         | 2,308              | 426              | 81                | 90                   |
| 31.3%                                           | 15.1%                                           | 55.7%                                      | 22                        | 3,964              | 3,449            | 177               | 517                  |
| 19.0%                                           | 8.9%                                            | 27.0%                                      | 0                         | 2,796              | 4,922            | 481               | 528                  |

| Student Characteristics                                                 |                                        | Fall 2012 Headcount Enrollment |                              |       |                         |        |                                |                             |
|-------------------------------------------------------------------------|----------------------------------------|--------------------------------|------------------------------|-------|-------------------------|--------|--------------------------------|-----------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                        | Total Student Enrollment       | Total Undergraduate Students | %     | Total Graduate Students | %      | First-time, Full-time Students | Full-time Transfer Students |
| Public                                                                  | Ohio State University - Columbus       | 56,387                         | 43,058                       | 76.4% | 13,329                  | 23.6%  | 7,204                          | 2,209                       |
| Public                                                                  | Oklahoma State Univ. - Stillwater      | 25,708                         | 20,323                       | 79.1% | 5,385                   | 20.9%  | 3,980                          | 1,391                       |
| Public                                                                  | Oregon Health & Science University     | 2,849                          | 825                          | 29.0% | 2,024                   | 71.0%  | 0                              | 102                         |
| Public                                                                  | Oregon State University                | 26,363                         | 21,808                       | 82.7% | 4,555                   | 17.3%  | 3,324                          | 1,475                       |
| Public                                                                  | Penn. St. Univ. - Hershey Med. Ctr.    | 792                            | 0                            | 0.0%  | 792                     | 100.0% | 0                              | 0                           |
| Public                                                                  | Pennsylvania State Univ. - Univ. Park  | 45,783                         | 39,192                       | 85.6% | 6,591                   | 14.4%  | 7,605                          | 420                         |
| Private                                                                 | Princeton University                   | 7,975                          | 5,327                        | 66.8% | 2,648                   | 33.2%  | 1,357                          | 0                           |
| Public                                                                  | Purdue University - West Lafayette     | 40,393                         | 31,284                       | 77.4% | 9,109                   | 22.6%  | 6,443                          | 1,032                       |
| Private                                                                 | Rensselaer Polytechnic Institute       | 6,658                          | 5,391                        | 81.0% | 1,267                   | 19.0%  | 1,326                          | 138                         |
| Private                                                                 | Rice University                        | 6,484                          | 3,848                        | 59.3% | 2,636                   | 40.7%  | 931                            | 53                          |
| Private                                                                 | Rockefeller University                 | 192                            | 0                            | 0.0%  | 192                     | 100.0% | 0                              | 0                           |
| Private                                                                 | Rush University                        | 2,172                          | 108                          | 5.0%  | 2,064                   | 95.0%  | 0                              | 36                          |
| Public                                                                  | Rutgers University - New Brunswick     | 40,434                         | 31,593                       | 78.1% | 8,841                   | 21.9%  | 6,166                          | 1,964                       |
| Public                                                                  | San Diego State University             | 30,843                         | 25,990                       | 84.3% | 4,853                   | 15.7%  | 3,829                          | 2,993                       |
| Private                                                                 | Scripps Research Institute             |                                |                              |       |                         |        |                                |                             |
| Public                                                                  | South Dakota State University          | 12,583                         | 11,118                       | 88.4% | 1,465                   | 11.6%  | 2,116                          | 390                         |
| Private                                                                 | Stanford University                    | 18,519                         | 7,063                        | 38.1% | 11,456                  | 61.9%  | 1,762                          | 31                          |
| Public                                                                  | Stony Brook University                 | 23,946                         | 15,837                       | 66.1% | 8,109                   | 33.9%  | 2,674                          | 1,363                       |
| Public                                                                  | Temple University                      | 36,744                         | 27,567                       | 75.0% | 9,177                   | 25.0%  | 4,109                          | 2,392                       |
| Public                                                                  | Texas A&M Univ. - College Station      | 50,627                         | 40,103                       | 79.2% | 10,524                  | 20.8%  | 7,174                          | 1,793                       |
| Private                                                                 | Thomas Jefferson University            | 3,673                          | 886                          | 24.1% | 2,787                   | 75.9%  | 0                              | 433                         |
| Private                                                                 | Tufts University                       | 10,837                         | 5,255                        | 48.5% | 5,582                   | 51.5%  | 1,306                          | 89                          |
| Private                                                                 | Tulane University                      | 12,958                         | 8,357                        | 64.5% | 4,601                   | 35.5%  | 1,641                          | 72                          |
| Public                                                                  | Uniformed Services Univ. of the HS     |                                |                              |       |                         |        |                                |                             |
| Public                                                                  | University at Albany                   | 17,312                         | 12,878                       | 74.4% | 4,434                   | 25.6%  | 2,562                          | 1,288                       |
| Public                                                                  | University at Buffalo                  | 28,952                         | 19,514                       | 67.4% | 9,438                   | 32.6%  | 3,611                          | 1,750                       |
| Public                                                                  | University of Alabama - Birmingham     | 17,999                         | 11,291                       | 62.7% | 6,708                   | 37.3%  | 1,654                          | 848                         |
| Public                                                                  | University of Alabama - Huntsville     | 7,636                          | 5,882                        | 77.0% | 1,754                   | 23.0%  | 615                            | 526                         |
| Public                                                                  | University of Alaska - Fairbanks       | 9,223                          | 8,046                        | 87.2% | 1,177                   | 12.8%  | 761                            | 310                         |
| Public                                                                  | University of Arizona                  | 40,223                         | 31,565                       | 78.5% | 8,658                   | 21.5%  | 6,955                          | 1,501                       |
| Public                                                                  | Univ. of Arkansas for Med. Sciences    | 2,809                          | 821                          | 29.2% | 1,988                   | 70.8%  | 0                              | 196                         |
| Public                                                                  | University of California - Berkeley    | 35,893                         | 25,774                       | 71.8% | 10,119                  | 28.2%  | 4,127                          | 2,131                       |
| Public                                                                  | University of California - Davis       | 32,354                         | 25,666                       | 79.3% | 6,688                   | 20.7%  | 5,172                          | 2,819                       |
| Public                                                                  | University of California - Irvine      | 27,479                         | 22,216                       | 80.8% | 5,263                   | 19.2%  | 5,067                          | 1,665                       |
| Public                                                                  | University of California - Los Angeles | 39,945                         | 27,941                       | 69.9% | 12,004                  | 30.1%  | 5,608                          | 3,132                       |
| Public                                                                  | University of California - Riverside   | 20,947                         | 18,539                       | 88.5% | 2,408                   | 11.5%  | 4,001                          | 1,201                       |
| Public                                                                  | University of California - San Diego   | 28,294                         | 22,676                       | 80.1% | 5,618                   | 19.9%  | 4,570                          | 2,161                       |
| Public                                                                  | Univ. of California - San Francisco    | 3,137                          | 0                            | 0.0%  | 3,137                   | 100.0% | 0                              | 0                           |
| Public                                                                  | Univ. of California - Santa Barbara    | 21,927                         | 18,977                       | 86.5% | 2,950                   | 13.5%  | 4,722                          | 1,608                       |
| Public                                                                  | University of California - Santa Cruz  | 17,404                         | 15,978                       | 91.8% | 1,426                   | 8.2%   | 3,817                          | 1,182                       |
| Public                                                                  | University of Central Florida          | 59,601                         | 51,010                       | 85.6% | 8,591                   | 14.4%  | 5,934                          | 4,266                       |
| Private                                                                 | University of Chicago                  | 15,245                         | 5,618                        | 36.9% | 9,627                   | 63.1%  | 1,527                          | 15                          |
| Public                                                                  | University of Cincinnati - Cincinnati  | 33,347                         | 23,096                       | 69.3% | 10,251                  | 30.7%  | 4,106                          | 889                         |
| Public                                                                  | University of Colorado - Boulder       | 31,945                         | 25,941                       | 81.2% | 6,004                   | 18.8%  | 5,437                          | 1,104                       |
| Public                                                                  | University of Colorado - Denver        | 22,396                         | 13,103                       | 58.5% | 9,293                   | 41.5%  | 963                            | 1,422                       |
| Public                                                                  | Univ. of Connecticut - Health Center   | 528                            | 0                            | 0.0%  | 528                     | 100.0% | 0                              | 0                           |
| Public                                                                  | University of Connecticut - Storrs     | 24,955                         | 17,528                       | 70.2% | 7,427                   | 29.8%  | 3,107                          | 831                         |
| Private                                                                 | University of Dayton                   | 11,159                         | 8,042                        | 72.1% | 3,117                   | 27.9%  | 2,050                          | 133                         |
| Public                                                                  | University of Delaware                 | 21,856                         | 18,202                       | 83.3% | 3,654                   | 16.7%  | 4,211                          | 435                         |

| Fall 2012 Part-Time Enrollment                  |                                                 |                                            | 2012-2013 Degrees Awarded |                    |                  |                   |                      |
|-------------------------------------------------|-------------------------------------------------|--------------------------------------------|---------------------------|--------------------|------------------|-------------------|----------------------|
| Percentage of Total Students Enrolled Part Time | Percentage of Undergraduates Enrolled Part Time | Percentage of Graduates Enrolled Part Time | Associate's Degrees       | Bachelor's Degrees | Master's Degrees | Doctorate Degrees | Professional Degrees |
| 13.1%                                           | 9.7%                                            | 24.1%                                      | 0                         | 9,823              | 2,759            | 807               | 857                  |
| 23.8%                                           | 13.8%                                           | 61.4%                                      | 0                         | 3,652              | 1,099            | 238               | 89                   |
| 47.5%                                           | 82.9%                                           | 33.1%                                      | 0                         | 404                | 238              | 41                | 209                  |
| 20.0%                                           | 18.4%                                           | 27.8%                                      | 0                         | 4,207              | 750              | 215               | 140                  |
| 4.7%                                            |                                                 | 4.7%                                       | 0                         | 0                  | 23               | 20                | 138                  |
| 4.6%                                            | 3.3%                                            | 12.4%                                      | 26                        | 10,573             | 1,291            | 662               | 138                  |
| 0.0%                                            | 0.0%                                            | 0.0%                                       | 0                         | 1,271              | 573              | 319               | 0                    |
| 12.0%                                           | 6.2%                                            | 32.0%                                      | 93                        | 7,135              | 1,545            | 684               | 242                  |
| 1.8%                                            | 0.4%                                            | 7.9%                                       | 0                         | 1,294              | 390              | 150               | 0                    |
| 3.5%                                            | 1.2%                                            | 6.9%                                       | 0                         | 1,170              | 659              | 178               | 0                    |
| 0.0%                                            |                                                 | 0.0%                                       | 0                         | 0                  | 5                | 17                | 0                    |
| 35.5%                                           | 29.6%                                           | 35.8%                                      | 0                         | 39                 | 526              | 12                | 181                  |
| 12.6%                                           | 4.9%                                            | 40.1%                                      | 0                         | 6,924              | 2,054            | 417               | 221                  |
| 16.5%                                           | 11.4%                                           | 44.1%                                      | 0                         | 6,094              | 1,777            | 82                | 25                   |
|                                                 |                                                 |                                            |                           |                    |                  |                   |                      |
| 28.4%                                           | 23.0%                                           | 69.1%                                      | 21                        | 2,063              | 324              | 45                | 73                   |
| 16.4%                                           | 0.8%                                            | 26.0%                                      | 0                         | 1,734              | 2,310            | 764               | 288                  |
| 17.3%                                           | 8.0%                                            | 35.4%                                      | 0                         | 4,290              | 1,801            | 309               | 244                  |
| 15.4%                                           | 11.6%                                           | 26.9%                                      | 2                         | 5,914              | 1,433            | 208               | 983                  |
| 12.6%                                           | 9.7%                                            | 23.9%                                      | 0                         | 9,818              | 2,238            | 693               | 131                  |
| 31.1%                                           | 25.3%                                           | 33.0%                                      | 27                        | 457                | 297              | 24                | 379                  |
| 7.9%                                            | 1.7%                                            | 13.7%                                      | 0                         | 1,818              | 1,201            | 121               | 480                  |
| 19.9%                                           | 22.9%                                           | 14.6%                                      | 62                        | 2,129              | 1,569            | 130               | 422                  |
|                                                 |                                                 |                                            |                           |                    |                  |                   |                      |
| 17.7%                                           | 6.3%                                            | 50.9%                                      | 0                         | 3,409              | 1,149            | 154               | 0                    |
| 17.0%                                           | 9.0%                                            | 33.6%                                      | 0                         | 4,728              | 2,039            | 335               | 657                  |
| 33.5%                                           | 26.8%                                           | 44.9%                                      | 0                         | 2,327              | 1,540            | 147               | 387                  |
| 34.4%                                           | 24.3%                                           | 68.1%                                      | 0                         | 1,145              | 444              | 28                | 10                   |
| 52.6%                                           | 53.7%                                           | 44.9%                                      | 283                       | 550                | 213              | 52                | 0                    |
| 13.7%                                           | 10.6%                                           | 24.9%                                      | 0                         | 6,991              | 1,663            | 441               | 413                  |
| 27.8%                                           | 30.0%                                           | 26.9%                                      | 80                        | 284                | 170              | 29                | 275                  |
| 4.2%                                            | 2.9%                                            | 7.3%                                       | 0                         | 8,626              | 2,199            | 937               | 367                  |
| 3.8%                                            | 2.4%                                            | 9.5%                                       | 0                         | 7,767              | 1,056            | 580               | 430                  |
| 3.0%                                            | 1.5%                                            | 9.3%                                       | 0                         | 6,259              | 1,255            | 435               | 187                  |
| 2.5%                                            | 2.1%                                            | 3.5%                                       | 0                         | 7,681              | 2,978            | 784               | 609                  |
| 2.9%                                            | 2.6%                                            | 4.7%                                       | 0                         | 4,585              | 435              | 255               | 0                    |
| 3.4%                                            | 3.1%                                            | 4.6%                                       | 0                         | 6,579              | 1,198            | 489               | 195                  |
| 0.0%                                            |                                                 | 0.0%                                       | 0                         | 0                  | 273              | 136               | 435                  |
| 1.9%                                            | 1.4%                                            | 5.6%                                       | 0                         | 5,769              | 585              | 387               | 0                    |
| 2.7%                                            | 2.6%                                            | 4.2%                                       | 0                         | 4,348              | 271              | 160               | 0                    |
| 31.9%                                           | 27.9%                                           | 55.4%                                      | 439                       | 12,525             | 2,285            | 238               | 42                   |
| 16.6%                                           | 1.1%                                            | 25.6%                                      | 0                         | 1,586              | 2,717            | 413               | 297                  |
| 24.2%                                           | 14.8%                                           | 45.2%                                      | 93                        | 4,803              | 2,649            | 230               | 515                  |
| 18.3%                                           | 8.8%                                            | 59.4%                                      | 0                         | 6,411              | 1,281            | 386               | 181                  |
| 47.7%                                           | 40.9%                                           | 57.2%                                      | 0                         | 2,184              | 2,008            | 122               | 549                  |
| 10.0%                                           |                                                 | 10.0%                                      | 0                         | 0                  | 47               | 23                | 110                  |
| 14.0%                                           | 4.5%                                            | 36.4%                                      | 24                        | 4,867              | 1,432            | 272               | 280                  |
| 15.0%                                           | 7.2%                                            | 35.2%                                      | 0                         | 1,851              | 833              | 30                | 179                  |
| 11.0%                                           | 8.6%                                            | 22.9%                                      | 258                       | 4,171              | 732              | 202               | 29                   |

| Student Characteristics                                                 |                                       | Fall 2012 Headcount Enrollment |                              |        |                         |        |                                |                             |
|-------------------------------------------------------------------------|---------------------------------------|--------------------------------|------------------------------|--------|-------------------------|--------|--------------------------------|-----------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                       | Total Student Enrollment       | Total Undergraduate Students | %      | Total Graduate Students | %      | First-time, Full-time Students | Full-time Transfer Students |
| Public                                                                  | University of Florida                 | 49,913                         | 32,776                       | 65.7%  | 17,137                  | 34.3%  | 6,273                          | 1,634                       |
| Public                                                                  | University of Georgia                 | 34,519                         | 26,259                       | 76.1%  | 8,260                   | 23.9%  | 4,922                          | 1,226                       |
| Public                                                                  | University of Hawaii - Manoa          | 20,426                         | 14,655                       | 71.7%  | 5,771                   | 28.3%  | 1,912                          | 1,414                       |
| Public                                                                  | University of Houston - Univ. Park    | 40,747                         | 32,760                       | 80.4%  | 7,987                   | 19.6%  | 3,350                          | 2,789                       |
| Public                                                                  | University of Idaho                   | 12,420                         | 9,929                        | 79.9%  | 2,491                   | 20.1%  | 1,580                          | 565                         |
| Public                                                                  | University of Illinois - Chicago      | 27,875                         | 16,678                       | 59.8%  | 11,197                  | 40.2%  | 3,101                          | 1,299                       |
| Public                                                                  | Univ. of Illinois - Urbana-Champaign  | 44,520                         | 32,281                       | 72.5%  | 12,239                  | 27.5%  | 6,914                          | 1,336                       |
| Public                                                                  | University of Iowa                    | 30,129                         | 21,999                       | 73.0%  | 8,130                   | 27.0%  | 4,293                          | 1,034                       |
| Public                                                                  | University of Kansas - Lawrence       | 24,575                         | 18,756                       | 76.3%  | 5,819                   | 23.7%  | 3,653                          | 1,281                       |
| Public                                                                  | University of Kansas Medical Center   | 2,560                          | 413                          | 16.1%  | 2,147                   | 83.9%  | 0                              | 0                           |
| Public                                                                  | University of Kentucky                | 28,034                         | 20,827                       | 74.3%  | 7,207                   | 25.7%  | 4,588                          | 964                         |
| Public                                                                  | University of Louisville              | 21,239                         | 15,724                       | 74.0%  | 5,515                   | 26.0%  | 2,647                          | 889                         |
| Public                                                                  | University of Maryland - Baltimore    | 6,368                          | 728                          | 11.4%  | 5,640                   | 88.6%  | 0                              | 186                         |
| Public                                                                  | Univ. of Maryland - Baltimore County  | 13,637                         | 10,953                       | 80.3%  | 2,684                   | 19.7%  | 1,547                          | 1,134                       |
| Public                                                                  | University of Maryland - College Park | 37,248                         | 26,538                       | 71.2%  | 10,710                  | 28.8%  | 3,893                          | 1,702                       |
| Public                                                                  | Univ. of Massachusetts - Amherst      | 28,236                         | 21,928                       | 77.7%  | 6,308                   | 22.3%  | 4,671                          | 1,111                       |
| Public                                                                  | Univ. of Mass. Med. Sch. - Worcester  | 1,160                          | 0                            | 0.0%   | 1,160                   | 100.0% | 0                              | 0                           |
| Public                                                                  | Univ. of Medicine & Dentistry of NJ   | 6,972                          | 995                          | 14.3%  | 5,977                   | 85.7%  | 0                              | 0                           |
| Private                                                                 | University of Miami                   | 16,172                         | 10,590                       | 65.5%  | 5,582                   | 34.5%  | 1,987                          | 538                         |
| Public                                                                  | University of Michigan - Ann Arbor    | 43,426                         | 27,979                       | 64.4%  | 15,447                  | 35.6%  | 6,124                          | 879                         |
| Public                                                                  | University of Minnesota - Twin Cities | 51,853                         | 34,469                       | 66.5%  | 17,384                  | 33.5%  | 5,501                          | 2,205                       |
| Public                                                                  | University of Missouri - Columbia     | 34,704                         | 26,960                       | 77.7%  | 7,744                   | 22.3%  | 6,378                          | 1,120                       |
| Public                                                                  | University of Nebraska - Lincoln      | 24,207                         | 19,103                       | 78.9%  | 5,104                   | 21.1%  | 3,918                          | 946                         |
| Public                                                                  | University of Nebraska Medical Ctr.   | 3,655                          | 853                          | 23.3%  | 2,802                   | 76.7%  | 0                              | 361                         |
| Public                                                                  | University of Nevada - Reno           | 18,227                         | 15,082                       | 82.7%  | 3,145                   | 17.3%  | 2,840                          | 816                         |
| Public                                                                  | Univ. of New Hampshire - Durham       | 15,267                         | 12,804                       | 83.9%  | 2,463                   | 16.1%  | 2,999                          | 505                         |
| Public                                                                  | Univ. of New Mexico - Albuquerque     | 29,033                         | 22,773                       | 78.4%  | 6,260                   | 21.6%  | 3,372                          | 858                         |
| Public                                                                  | Univ. of North Carolina - Chapel Hill | 29,278                         | 18,503                       | 63.2%  | 10,775                  | 36.8%  | 3,914                          | 829                         |
| Public                                                                  | University of North Dakota            | 15,250                         | 11,953                       | 78.4%  | 3,297                   | 21.6%  | 2,334                          | 586                         |
| Private                                                                 | University of Notre Dame              | 12,126                         | 8,475                        | 69.9%  | 3,651                   | 30.1%  | 2,014                          | 137                         |
| Public                                                                  | University of Oklahoma - Norman       | 27,507                         | 21,109                       | 76.7%  | 6,398                   | 23.3%  | 4,096                          | 1,047                       |
| Public                                                                  | University of Oklahoma HSC            | 3,605                          | 875                          | 24.3%  | 2,730                   | 75.7%  | 0                              | 439                         |
| Public                                                                  | University of Oregon                  | 24,518                         | 20,809                       | 84.9%  | 3,709                   | 15.1%  | 3,962                          | 1,397                       |
| Private                                                                 | University of Pennsylvania            | 24,725                         | 11,678                       | 47.2%  | 13,047                  | 52.8%  | 2,397                          | 200                         |
| Public                                                                  | University of Pittsburgh - Pittsburgh | 28,769                         | 18,429                       | 64.1%  | 10,340                  | 35.9%  | 3,638                          | 826                         |
| Public                                                                  | University of Rhode Island            | 16,451                         | 13,376                       | 81.3%  | 3,075                   | 18.7%  | 2,980                          | 462                         |
| Private                                                                 | University of Rochester               | 10,510                         | 5,785                        | 55.0%  | 4,725                   | 45.0%  | 1,343                          | 132                         |
| Public                                                                  | Univ. of South Carolina - Columbia    | 31,288                         | 23,363                       | 74.7%  | 7,925                   | 25.3%  | 4,580                          | 1,583                       |
| Public                                                                  | University of South Florida - Tampa   | 41,116                         | 31,125                       | 75.7%  | 9,991                   | 24.3%  | 3,715                          | 2,490                       |
| Private                                                                 | University of Southern California     | 39,958                         | 18,316                       | 45.8%  | 21,642                  | 54.2%  | 3,016                          | 1,646                       |
| Public                                                                  | University of Tennessee - Knoxville   | 29,833                         | 20,916                       | 70.1%  | 8,917                   | 29.9%  | 4,197                          | 1,103                       |
| Public                                                                  | University of Tennessee HSC           |                                |                              |        |                         |        |                                |                             |
| Public                                                                  | University of Texas - Austin          | 52,186                         | 39,955                       | 76.6%  | 12,231                  | 23.4%  | 8,036                          | 2,426                       |
| Public                                                                  | University of Texas HSC - Houston     | 4,489                          | 563                          | 12.5%  | 3,926                   | 87.5%  | 0                              | 160                         |
| Public                                                                  | Univ. of Texas HSC - San Antonio      | 3,249                          | 881                          | 27.1%  | 2,368                   | 72.9%  | 0                              | 279                         |
| Public                                                                  | U. of Texas MD Anderson Cancer Ctr.   | 290                            | 290                          | 100.0% | 0                       | 0.0%   | 0                              | 154                         |
| Public                                                                  | U. of Texas Med. Branch - Galveston   | 3,012                          | 676                          | 22.4%  | 2,336                   | 77.6%  | 0                              | 224                         |
| Public                                                                  | U. of Texas SW Medical Ctr. - Dallas  | 2,424                          | 33                           | 1.4%   | 2,391                   | 98.6%  | 0                              | 7                           |
| Public                                                                  | University of Utah                    | 32,388                         | 24,840                       | 76.7%  | 7,548                   | 23.3%  | 3,079                          | 1,361                       |

| Fall 2012 Part-Time Enrollment                  |                                                 |                                            | 2012-2013 Degrees Awarded |                    |                  |                   |                      |
|-------------------------------------------------|-------------------------------------------------|--------------------------------------------|---------------------------|--------------------|------------------|-------------------|----------------------|
| Percentage of Total Students Enrolled Part Time | Percentage of Undergraduates Enrolled Part Time | Percentage of Graduates Enrolled Part Time | Associate's Degrees       | Bachelor's Degrees | Master's Degrees | Doctorate Degrees | Professional Degrees |
| 14.1%                                           | 7.7%                                            | 26.3%                                      | 840                       | 8,499              | 3,929            | 742               | 1,222                |
| 9.9%                                            | 6.7%                                            | 20.1%                                      | 0                         | 7,339              | 1,662            | 440               | 461                  |
| 26.9%                                           | 18.3%                                           | 48.8%                                      | 0                         | 3,202              | 1,049            | 229               | 192                  |
| 28.4%                                           | 28.0%                                           | 29.9%                                      | 0                         | 5,730              | 2,052            | 317               | 479                  |
| 23.6%                                           | 18.0%                                           | 45.8%                                      | 0                         | 2,120              | 612              | 95                | 130                  |
| 17.2%                                           | 7.8%                                            | 31.3%                                      | 0                         | 3,941              | 2,170            | 352               | 622                  |
| 8.6%                                            | 3.6%                                            | 21.7%                                      | 0                         | 8,137              | 3,222            | 809               | 350                  |
| 18.4%                                           | 10.7%                                           | 39.3%                                      | 0                         | 5,193              | 1,415            | 538               | 507                  |
| 15.0%                                           | 10.6%                                           | 25.6%                                      | 0                         | 4,265              | 1,325            | 325               | 275                  |
| 15.0%                                           | 10.7%                                           | 25.6%                                      | 0                         | 214                | 215              | 37                | 226                  |
| 10.6%                                           | 7.9%                                            | 18.2%                                      | 0                         | 4,307              | 1,299            | 305               | 559                  |
| 24.0%                                           | 22.5%                                           | 28.5%                                      | 28                        | 2,837              | 1,327            | 138               | 375                  |
| 19.9%                                           | 23.2%                                           | 19.4%                                      | 0                         | 337                | 795              | 81                | 808                  |
| 23.0%                                           | 14.4%                                           | 57.7%                                      | 0                         | 2,230              | 528              | 95                | 0                    |
| 13.4%                                           | 7.7%                                            | 27.3%                                      | 0                         | 7,778              | 2,686            | 696               | 30                   |
| 19.8%                                           | 7.4%                                            | 63.1%                                      | 73                        | 5,737              | 1,338            | 295               | 39                   |
| 9.0%                                            |                                                 | 9.0%                                       | 0                         | 0                  | 55               | 52                | 124                  |
| 33.7%                                           | 41.7%                                           | 32.4%                                      | 73                        | 349                | 765              | 272               | 585                  |
| 7.3%                                            | 5.8%                                            | 10.3%                                      | 0                         | 3,057              | 912              | 163               | 711                  |
| 5.7%                                            | 3.3%                                            | 9.9%                                       | 0                         | 7,765              | 4,281            | 885               | 765                  |
| 24.9%                                           | 15.5%                                           | 43.6%                                      | 0                         | 8,233              | 3,228            | 772               | 1,054                |
| 12.7%                                           | 6.6%                                            | 33.8%                                      | 0                         | 5,692              | 1,515            | 411               | 332                  |
| 15.0%                                           | 7.0%                                            | 44.9%                                      | 6                         | 4,029              | 860              | 325               | 139                  |
| 14.5%                                           | 17.0%                                           | 13.7%                                      | 0                         | 452                | 306              | 42                | 245                  |
| 24.7%                                           | 17.7%                                           | 58.0%                                      | 0                         | 2,759              | 665              | 125               | 63                   |
| 10.8%                                           | 3.6%                                            | 48.4%                                      | 164                       | 3,272              | 738              | 64                | 0                    |
| 28.8%                                           | 25.0%                                           | 42.9%                                      | 0                         | 3,830              | 1,231            | 202               | 285                  |
| 16.3%                                           | 5.1%                                            | 35.6%                                      | 0                         | 5,850              | 2,043            | 530               | 673                  |
| 25.4%                                           | 19.2%                                           | 47.6%                                      | 0                         | 1,815              | 646              | 72                | 186                  |
| 1.5%                                            | 0.2%                                            | 4.7%                                       | 0                         | 2,754              | 940              | 214               | 183                  |
| 22.7%                                           | 14.2%                                           | 50.6%                                      | 0                         | 4,242              | 1,712            | 206               | 186                  |
| 16.5%                                           | 5.5%                                            | 20.0%                                      | 0                         | 509                | 331              | 24                | 384                  |
| 10.6%                                           | 9.4%                                            | 17.3%                                      | 0                         | 5,075              | 949              | 169               | 149                  |
| 13.4%                                           | 11.6%                                           | 15.0%                                      | 1                         | 3,430              | 4,136            | 527               | 680                  |
| 13.2%                                           | 6.4%                                            | 25.5%                                      | 0                         | 5,010              | 2,315            | 435               | 651                  |
| 16.2%                                           | 10.9%                                           | 39.6%                                      | 0                         | 3,089              | 589              | 97                | 123                  |
| 16.4%                                           | 4.7%                                            | 30.8%                                      | 0                         | 1,629              | 1,186            | 290               | 106                  |
| 14.6%                                           | 7.3%                                            | 36.0%                                      | 4                         | 5,287              | 1,735            | 334               | 414                  |
| 29.0%                                           | 23.6%                                           | 45.6%                                      | 153                       | 7,790              | 2,545            | 295               | 153                  |
| 12.8%                                           | 3.8%                                            | 20.5%                                      | 0                         | 5,003              | 6,332            | 663               | 877                  |
| 11.9%                                           | 6.3%                                            | 25.1%                                      | 0                         | 4,654              | 1,826            | 484               | 628                  |
|                                                 |                                                 |                                            |                           |                    |                  |                   |                      |
| 8.0%                                            | 7.2%                                            | 10.8%                                      | 0                         | 9,154              | 3,058            | 849               | 502                  |
| 25.6%                                           | 14.2%                                           | 27.2%                                      | 0                         | 414                | 553              | 117               | 342                  |
| 12.2%                                           | 9.6%                                            | 13.1%                                      | 0                         | 515                | 192              | 51                | 385                  |
| 11.0%                                           | 11.0%                                           |                                            | 0                         | 141                | 0                | 0                 | 0                    |
| 25.8%                                           | 23.5%                                           | 26.4%                                      | 0                         | 432                | 228              | 52                | 318                  |
| 25.5%                                           | 0.0%                                            | 25.8%                                      | 0                         | 5                  | 89               | 89                | 221                  |
| 28.2%                                           | 29.5%                                           | 23.9%                                      | 0                         | 5,139              | 1,921            | 324               | 402                  |

| Student Characteristics                                                 |                                       | Fall 2012 Headcount Enrollment |                              |       |                         |        |                                |                             |
|-------------------------------------------------------------------------|---------------------------------------|--------------------------------|------------------------------|-------|-------------------------|--------|--------------------------------|-----------------------------|
| Institutions with Over \$40 Million in Federal Research, Alphabetically |                                       | Total Student Enrollment       | Total Undergraduate Students | %     | Total Graduate Students | %      | First-time, Full-time Students | Full-time Transfer Students |
| Public                                                                  | University of Vermont                 | 13,098                         | 11,211                       | 85.6% | 1,887                   | 14.4%  | 2,354                          | 393                         |
| Public                                                                  | University of Virginia                | 23,907                         | 15,822                       | 66.2% | 8,085                   | 33.8%  | 3,395                          | 513                         |
| Public                                                                  | University of Washington - Seattle    | 43,485                         | 29,475                       | 67.8% | 14,010                  | 32.2%  | 5,929                          | 1,625                       |
| Public                                                                  | University of Wisconsin - Madison     | 42,269                         | 30,301                       | 71.7% | 11,968                  | 28.3%  | 6,275                          | 1,177                       |
| Public                                                                  | University of Wyoming                 | 12,903                         | 10,194                       | 79.0% | 2,709                   | 21.0%  | 1,578                          | 795                         |
| Public                                                                  | Utah State University                 | 28,786                         | 25,445                       | 88.4% | 3,341                   | 11.6%  | 3,384                          | 1,190                       |
| Private                                                                 | Vanderbilt University                 | 12,710                         | 6,796                        | 53.5% | 5,914                   | 46.5%  | 1,608                          | 194                         |
| Public                                                                  | Virginia Commonwealth University      | 31,445                         | 23,661                       | 75.2% | 7,784                   | 24.8%  | 3,544                          | 1,709                       |
| Public                                                                  | Virginia Polytechnic Inst. and St. U. | 31,087                         | 23,859                       | 76.7% | 7,228                   | 23.3%  | 5,481                          | 986                         |
| Private                                                                 | Wake Forest University                | 7,432                          | 4,815                        | 64.8% | 2,617                   | 35.2%  | 1,234                          | 32                          |
| Public                                                                  | Washington State Univ. - Pullman      | 27,679                         | 23,135                       | 83.6% | 4,544                   | 16.4%  | 4,279                          | 1,887                       |
| Private                                                                 | Washington University in St. Louis    | 13,952                         | 7,259                        | 52.0% | 6,693                   | 48.0%  | 1,622                          | 81                          |
| Public                                                                  | Wayne State University                | 28,938                         | 19,342                       | 66.8% | 9,596                   | 33.2%  | 2,172                          | 1,365                       |
| Private                                                                 | Weill Cornell Medical College         | 1,027                          | 0                            | 0.0%  | 1,027                   | 100.0% | 0                              | 0                           |
| Public                                                                  | West Virginia University              | 29,707                         | 22,827                       | 76.8% | 6,880                   | 23.2%  | 5,106                          | 1,066                       |
| Private                                                                 | Woods Hole Oceanographic Inst.        |                                |                              |       |                         |        |                                |                             |
| Private                                                                 | Yale University                       | 11,906                         | 5,405                        | 45.4% | 6,501                   | 54.6%  | 1,355                          | 21                          |
| Private                                                                 | Yeshiva University                    | 6,740                          | 2,862                        | 42.5% | 3,878                   | 57.5%  | 906                            | 19                          |

| Fall 2012 Part-Time Enrollment                  |                                                  |                                            | 2012-2013 Degrees Awarded |                    |                  |                   |                      |
|-------------------------------------------------|--------------------------------------------------|--------------------------------------------|---------------------------|--------------------|------------------|-------------------|----------------------|
| Percentage of Total Students Enrolled Part Time | Percentage of Under-graduates Enrolled Part Time | Percentage of Graduates Enrolled Part Time | Associate's Degrees       | Bachelor's Degrees | Master's Degrees | Doctorate Degrees | Professional Degrees |
| 14.1%                                           | 11.2%                                            | 31.4%                                      | 0                         | 2,753              | 440              | 84                | 144                  |
| 12.2%                                           | 5.7%                                             | 25.1%                                      | 0                         | 4,624              | 1,635            | 399               | 509                  |
| 14.5%                                           | 11.0%                                            | 21.8%                                      | 0                         | 8,525              | 3,438            | 763               | 566                  |
| 10.0%                                           | 7.0%                                             | 17.6%                                      | 0                         | 8,538              | 2,160            | 772               | 672                  |
| 23.3%                                           | 18.5%                                            | 41.6%                                      | 0                         | 2,230              | 509              | 81                | 118                  |
| 42.5%                                           | 39.2%                                            | 67.2%                                      | 851                       | 3,557              | 895              | 105               | 4                    |
| 6.4%                                            | 1.0%                                             | 12.6%                                      | 0                         | 2,213              | 1,547            | 310               | 355                  |
| 20.7%                                           | 16.4%                                            | 34.0%                                      | 0                         | 4,826              | 1,652            | 324               | 434                  |
| 9.1%                                            | 2.1%                                             | 32.2%                                      | 56                        | 5,848              | 1,469            | 479               | 93                   |
| 2.1%                                            | 1.4%                                             | 3.4%                                       | 0                         | 1,290              | 680              | 50                | 286                  |
| 15.5%                                           | 13.2%                                            | 27.5%                                      | 0                         | 5,275              | 800              | 268               | 189                  |
| 14.2%                                           | 11.1%                                            | 17.7%                                      | 3                         | 2,072              | 1,543            | 255               | 551                  |
| 36.7%                                           | 35.5%                                            | 39.1%                                      | 0                         | 2,713              | 1,958            | 223               | 554                  |
| 3.7%                                            |                                                  | 3.7%                                       | 0                         | 0                  | 58               | 73                | 94                   |
| 12.8%                                           | 7.5%                                             | 30.6%                                      | 0                         | 4,078              | 1,607            | 158               | 424                  |
|                                                 |                                                  |                                            |                           |                    |                  |                   |                      |
| 1.4%                                            | 0.2%                                             | 2.4%                                       | 0                         | 1,486              | 1,618            | 398               | 360                  |
| 15.8%                                           | 3.6%                                             | 24.8%                                      | 291                       | 585                | 458              | 131               | 595                  |

### The Center Measures - National Rankings

| Institutions with Over \$40 Million<br>in Federal Research, Alphabetically |                                             | 2014<br>No. of Measures<br>in Top 25<br>Nationally | 2014<br>No. of Measures<br>in Top 26-50<br>Nationally | 2013<br>No. of Measures<br>in Top 25<br>Nationally | 2013<br>No. of Measures<br>in Top 26-50<br>Nationally |
|----------------------------------------------------------------------------|---------------------------------------------|----------------------------------------------------|-------------------------------------------------------|----------------------------------------------------|-------------------------------------------------------|
| Public                                                                     | Arizona State University - Tempe            | 0                                                  | 1                                                     | 1                                                  | 1                                                     |
| Public                                                                     | Auburn University                           | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Private                                                                    | Baylor College of Medicine                  | 0                                                  | 3                                                     | 0                                                  | 3                                                     |
| Private                                                                    | Boston University                           | 1                                                  | 3                                                     | 2                                                  | 2                                                     |
| Private                                                                    | Brandeis University                         | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Private                                                                    | Brown University                            | 1                                                  | 3                                                     | 0                                                  | 3                                                     |
| Private                                                                    | California Institute of Technology          | 3                                                  | 2                                                     | 2                                                  | 4                                                     |
| Private                                                                    | Carnegie Mellon University                  | 0                                                  | 2                                                     | 0                                                  | 3                                                     |
| Private                                                                    | Case Western Reserve University             | 0                                                  | 4                                                     | 0                                                  | 3                                                     |
| Public                                                                     | Clemson University                          | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | Cleveland State University                  | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Private                                                                    | CCold Springs Harbor Laboratory             | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | Colorado State University - Fort Collins    | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Private                                                                    | Columbia University                         | 9                                                  | 0                                                     | 9                                                  | 0                                                     |
| Private                                                                    | Cornell University                          | 3                                                  | 6                                                     | 4                                                  | 5                                                     |
| Private                                                                    | Dartmouth College                           | 2                                                  | 1                                                     | 2                                                  | 1                                                     |
| Private                                                                    | Drexel University                           | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Private                                                                    | Duke University                             | 8                                                  | 1                                                     | 8                                                  | 1                                                     |
| Private                                                                    | Emory University                            | 3                                                  | 5                                                     | 4                                                  | 4                                                     |
| Public                                                                     | Florida International University            | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | Florida State University                    | 0                                                  | 0                                                     | 0                                                  | 1                                                     |
| Public                                                                     | George Mason University                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Private                                                                    | George Washington University                | 0                                                  | 0                                                     | 0                                                  | 1                                                     |
| Private                                                                    | Georgetown University                       | 0                                                  | 1                                                     | 0                                                  | 1                                                     |
| Public                                                                     | Georgia Health Sciences University          | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | Georgia Institute of Technology             | 2                                                  | 4                                                     | 3                                                  | 4                                                     |
| Private                                                                    | Harvard University                          | 9                                                  | 0                                                     | 8                                                  | 1                                                     |
| Private                                                                    | Icahn School of Medicine at Mount Sinai     | 0                                                  | 2                                                     | 0                                                  | 2                                                     |
| Public                                                                     | Indiana University - Bloomington            | 0                                                  | 3                                                     | 0                                                  | 3                                                     |
| Public                                                                     | Indiana Univ. - Purdue Univ. - Indianapolis | 0                                                  | 0                                                     | 0                                                  | 1                                                     |
| Public                                                                     | Iowa State University                       | 0                                                  | 0                                                     | 0                                                  | 1                                                     |
| Private                                                                    | Johns Hopkins University                    | 8                                                  | 1                                                     | 7                                                  | 2                                                     |
| Public                                                                     | Kansas State University                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | Louisiana State University - Baton Rouge    | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | Louisiana State Univ. HSC - New Orleans     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Private                                                                    | Massachusetts Institute of Technology       | 9                                                  | 0                                                     | 9                                                  | 0                                                     |
| Private                                                                    | Medical College of Wisconsin                | 1                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | Medical University of South Carolina        | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | Michigan State University                   | 0                                                  | 5                                                     | 0                                                  | 6                                                     |
| Public                                                                     | Mississippi State University                | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | Montana State University - Bozeman          | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | Naval Postgraduate School                   | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | New Jersey Institute of Technology          | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | New Mexico State University - Las Cruces    | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Private                                                                    | New York University                         | 4                                                  | 4                                                     | 4                                                  | 5                                                     |
| Public                                                                     | North Carolina State University             | 0                                                  | 3                                                     | 0                                                  | 2                                                     |
| Public                                                                     | North Dakota State University               | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Private                                                                    | Northeastern University                     | 0                                                  | 1                                                     | 0                                                  | 0                                                     |
| Private                                                                    | Northwestern University                     | 6                                                  | 3                                                     | 6                                                  | 3                                                     |

| 2012<br>No. of Measures<br>in Top 25<br>Nationally | 2012<br>No. of Measures<br>in Top 26-50<br>Nationally | 2011<br>No. of Measures<br>in Top 25<br>Nationally | 2011<br>No. of Measures<br>in Top 26-50<br>Nationally | 2010<br>No. of Measures<br>in Top 25<br>Nationally | 2010<br>No. of Measures<br>in Top 26-50<br>Nationally | 2009<br>No. of Measures<br>in Top 25<br>Nationally | 2009<br>No. of Measures<br>in Top 26-50<br>Nationally |
|----------------------------------------------------|-------------------------------------------------------|----------------------------------------------------|-------------------------------------------------------|----------------------------------------------------|-------------------------------------------------------|----------------------------------------------------|-------------------------------------------------------|
| 1                                                  | 0                                                     | 1                                                  | 0                                                     | 1                                                  | 2                                                     | 0                                                  | 1                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 3                                                     | 0                                                  | 3                                                     | 0                                                  | 3                                                     | 0                                                  | 3                                                     |
| 1                                                  | 3                                                     | 0                                                  | 3                                                     | 1                                                  | 1                                                     | 1                                                  | 2                                                     |
| 0                                                  | 1                                                     | 0                                                  | 1                                                     | 0                                                  | 1                                                     | 0                                                  | 1                                                     |
| 1                                                  | 3                                                     | 1                                                  | 2                                                     | 1                                                  | 2                                                     | 2                                                  | 2                                                     |
| 2                                                  | 4                                                     | 3                                                  | 4                                                     | 3                                                  | 3                                                     | 3                                                  | 3                                                     |
| 0                                                  | 3                                                     | 0                                                  | 2                                                     | 0                                                  | 2                                                     | 0                                                  | 2                                                     |
| 0                                                  | 4                                                     | 1                                                  | 3                                                     | 1                                                  | 3                                                     | 1                                                  | 2                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 1                                                     | 0                                                  | 1                                                     | 0                                                  | 1                                                     |
| 9                                                  | 0                                                     | 9                                                  | 0                                                     | 9                                                  | 0                                                     | 9                                                  | 0                                                     |
| 5                                                  | 4                                                     | 3                                                  | 5                                                     | 3                                                  | 6                                                     | 3                                                  | 6                                                     |
| 2                                                  | 1                                                     | 2                                                  | 1                                                     | 2                                                  | 1                                                     | 2                                                  | 1                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 8                                                  | 0                                                     | 8                                                  | 0                                                     | 7                                                  | 1                                                     | 8                                                  | 0                                                     |
| 3                                                  | 5                                                     | 2                                                  | 5                                                     | 2                                                  | 6                                                     | 2                                                  | 6                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 1                                                     | 0                                                  | 1                                                     | 0                                                  | 0                                                     | 0                                                  | 1                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 1                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 2                                                     | 0                                                  | 1                                                     | 0                                                  | 2                                                     | 0                                                  | 2                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 3                                                  | 4                                                     | 1                                                  | 5                                                     | 1                                                  | 6                                                     | 0                                                  | 5                                                     |
| 8                                                  | 1                                                     | 8                                                  | 1                                                     | 8                                                  | 1                                                     | 8                                                  | 1                                                     |
| 1                                                  | 2                                                     | 1                                                  | 2                                                     | 1                                                  | 2                                                     | 1                                                  | 2                                                     |
| 0                                                  | 2                                                     | 0                                                  | 1                                                     | 0                                                  | 2                                                     | 0                                                  | 2                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 1                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 6                                                  | 3                                                     | 7                                                  | 2                                                     | 6                                                  | 3                                                     | 6                                                  | 3                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 9                                                  | 0                                                     | 9                                                  | 0                                                     | 9                                                  | 0                                                     | 9                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 5                                                     | 1                                                  | 5                                                     | 0                                                  | 6                                                     | 0                                                  | 4                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 3                                                  | 4                                                     | 3                                                  | 3                                                     | 4                                                  | 3                                                     | 1                                                  | 5                                                     |
| 0                                                  | 2                                                     | 0                                                  | 2                                                     | 0                                                  | 2                                                     | 0                                                  | 2                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 6                                                  | 3                                                     | 5                                                  | 4                                                     | 4                                                  | 5                                                     | 3                                                  | 6                                                     |

### The Center Measures - National Rankings

| Institutions with Over \$40 Million<br>in Federal Research, Alphabetically |                                             | 2014<br>No. of Measures<br>in Top 25<br>Nationally | 2014<br>No. of Measures<br>in Top 26-50<br>Nationally | 2013<br>No. of Measures<br>in Top 25<br>Nationally | 2013<br>No. of Measures<br>in Top 26-50<br>Nationally |
|----------------------------------------------------------------------------|---------------------------------------------|----------------------------------------------------|-------------------------------------------------------|----------------------------------------------------|-------------------------------------------------------|
| Public                                                                     | Ohio State University - Columbus            | 6                                                  | 2                                                     | 4                                                  | 3                                                     |
| Public                                                                     | Oklahoma State University - Stillwater      | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | Oregon Health & Science University          | 0                                                  | 0                                                     | 0                                                  | 1                                                     |
| Public                                                                     | Oregon State University                     | 0                                                  | 0                                                     | 0                                                  | 1                                                     |
| Public                                                                     | Pennsylvania St. Univ. - Hershey Med. Ctr.  | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | Pennsylvania State University - Univ. Park  | 4                                                  | 3                                                     | 3                                                  | 4                                                     |
| Private                                                                    | Princeton University                        | 3                                                  | 3                                                     | 4                                                  | 2                                                     |
| Public                                                                     | Purdue University - West Lafayette          | 1                                                  | 4                                                     | 2                                                  | 4                                                     |
| Private                                                                    | Rensselaer Polytechnic Institute            | 0                                                  | 1                                                     | 0                                                  | 1                                                     |
| Private                                                                    | Rice University                             | 2                                                  | 1                                                     | 2                                                  | 1                                                     |
| Private                                                                    | Rockefeller University                      | 1                                                  | 2                                                     | 1                                                  | 1                                                     |
| Private                                                                    | Rush University                             | 1                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | Rutgers University - New Brunswick          | 1                                                  | 4                                                     | 0                                                  | 4                                                     |
| Public                                                                     | San Diego State University                  | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Private                                                                    | Scripps Research Institute                  | 0                                                  | 2                                                     | 0                                                  | 2                                                     |
| Public                                                                     | South Dakota State University               | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Private                                                                    | Stanford University                         | 9                                                  | 0                                                     | 9                                                  | 0                                                     |
| Public                                                                     | Stony Brook University                      | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | Temple University                           | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | Texas A&M University - College Station      | 3                                                  | 3                                                     | 4                                                  | 3                                                     |
| Private                                                                    | Thomas Jefferson University                 | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Private                                                                    | Tufts University                            | 1                                                  | 0                                                     | 1                                                  | 0                                                     |
| Private                                                                    | Tulane University                           | 0                                                  | 1                                                     | 0                                                  | 0                                                     |
| Public                                                                     | Uniformed Services University of the HS     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | University at Albany                        | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | University at Buffalo                       | 0                                                  | 1                                                     | 0                                                  | 0                                                     |
| Public                                                                     | University of Alabama - Birmingham          | 0                                                  | 2                                                     | 0                                                  | 2                                                     |
| Public                                                                     | University of Alabama - Huntsville          | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | University of Alaska - Fairbanks            | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | University of Arizona                       | 0                                                  | 5                                                     | 0                                                  | 6                                                     |
| Public                                                                     | University of Arkansas for Medical Sciences | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | University of California - Berkeley         | 7                                                  | 2                                                     | 7                                                  | 2                                                     |
| Public                                                                     | University of California - Davis            | 3                                                  | 3                                                     | 3                                                  | 3                                                     |
| Public                                                                     | University of California - Irvine           | 0                                                  | 4                                                     | 0                                                  | 4                                                     |
| Public                                                                     | University of California - Los Angeles      | 7                                                  | 1                                                     | 7                                                  | 1                                                     |
| Public                                                                     | University of California - Riverside        | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | University of California - San Diego        | 5                                                  | 2                                                     | 6                                                  | 1                                                     |
| Public                                                                     | University of California - San Francisco    | 6                                                  | 1                                                     | 6                                                  | 1                                                     |
| Public                                                                     | University of California - Santa Barbara    | 1                                                  | 1                                                     | 1                                                  | 0                                                     |
| Public                                                                     | University of California - Santa Cruz       | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | University of Central Florida               | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Private                                                                    | University of Chicago                       | 5                                                  | 4                                                     | 5                                                  | 4                                                     |
| Public                                                                     | University of Cincinnati - Cincinnati       | 0                                                  | 3                                                     | 0                                                  | 3                                                     |
| Public                                                                     | University of Colorado - Boulder            | 1                                                  | 3                                                     | 1                                                  | 3                                                     |
| Public                                                                     | University of Colorado - Denver             | 0                                                  | 2                                                     | 0                                                  | 3                                                     |
| Public                                                                     | University of Connecticut - Health Center   | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | University of Connecticut - Storrs          | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Private                                                                    | University of Dayton                        | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | University of Delaware                      | 0                                                  | 0                                                     | 0                                                  | 0                                                     |

| 2012<br>No. of Measures<br>in Top 25<br>Nationally | 2012<br>No. of Measures<br>in Top 26-50<br>Nationally | 2011<br>No. of Measures<br>in Top 25<br>Nationally | 2011<br>No. of Measures<br>in Top 26-50<br>Nationally | 2010<br>No. of Measures<br>in Top 25<br>Nationally | 2010<br>No. of Measures<br>in Top 26-50<br>Nationally | 2009<br>No. of Measures<br>in Top 25<br>Nationally | 2009<br>No. of Measures<br>in Top 26-50<br>Nationally |
|----------------------------------------------------|-------------------------------------------------------|----------------------------------------------------|-------------------------------------------------------|----------------------------------------------------|-------------------------------------------------------|----------------------------------------------------|-------------------------------------------------------|
| 5                                                  | 3                                                     | 4                                                  | 4                                                     | 4                                                  | 4                                                     | 5                                                  | 3                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 1                                                     | 0                                                  | 1                                                     | 0                                                  | 2                                                     | 0                                                  | 1                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 5                                                  | 2                                                     | 3                                                  | 4                                                     | 4                                                  | 3                                                     | 4                                                  | 3                                                     |
| 4                                                  | 2                                                     | 4                                                  | 2                                                     | 5                                                  | 1                                                     | 5                                                  | 1                                                     |
| 2                                                  | 4                                                     | 1                                                  | 6                                                     | 1                                                  | 5                                                     | 1                                                  | 5                                                     |
| 0                                                  | 1                                                     | 0                                                  | 1                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 2                                                  | 0                                                     | 2                                                  | 0                                                     | 2                                                  | 0                                                     | 2                                                  | 0                                                     |
| 1                                                  | 1                                                     | 1                                                  | 1                                                     | 1                                                  | 2                                                     | 1                                                  | 2                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 5                                                     | 0                                                  | 4                                                     | 1                                                  | 3                                                     | 0                                                  | 4                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 3                                                     | 0                                                  | 4                                                     | 0                                                  | 3                                                     | 0                                                  | 4                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 9                                                  | 0                                                     | 9                                                  | 0                                                     | 9                                                  | 0                                                     | 9                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 1                                                     | 0                                                  | 1                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 1                                                     | 0                                                  | 1                                                     |
| 3                                                  | 4                                                     | 4                                                  | 3                                                     | 3                                                  | 4                                                     | 3                                                  | 4                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 1                                                  | 0                                                     | 1                                                  | 0                                                     | 1                                                  | 1                                                     | 1                                                  | 2                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 1                                                     | 0                                                  | 2                                                     | 0                                                  | 2                                                     |
| 0                                                  | 2                                                     | 0                                                  | 2                                                     | 1                                                  | 1                                                     | 0                                                  | 2                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 1                                                     | 0                                                  | 1                                                     | 0                                                  | 0                                                     | 0                                                  | 1                                                     |
| 0                                                  | 6                                                     | 1                                                  | 4                                                     | 1                                                  | 6                                                     | 1                                                  | 6                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 1                                                     | 0                                                  | 0                                                     |
| 7                                                  | 1                                                     | 7                                                  | 1                                                     | 7                                                  | 1                                                     | 7                                                  | 1                                                     |
| 3                                                  | 3                                                     | 2                                                  | 4                                                     | 3                                                  | 3                                                     | 3                                                  | 3                                                     |
| 0                                                  | 4                                                     | 1                                                  | 3                                                     | 1                                                  | 3                                                     | 1                                                  | 2                                                     |
| 8                                                  | 0                                                     | 7                                                  | 1                                                     | 7                                                  | 1                                                     | 7                                                  | 1                                                     |
| 0                                                  | 1                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 5                                                  | 2                                                     | 5                                                  | 1                                                     | 5                                                  | 1                                                     | 6                                                  | 0                                                     |
| 6                                                  | 1                                                     | 6                                                  | 1                                                     | 6                                                  | 1                                                     | 6                                                  | 0                                                     |
| 1                                                  | 1                                                     | 1                                                  | 1                                                     | 1                                                  | 0                                                     | 1                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 1                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 5                                                  | 4                                                     | 4                                                  | 5                                                     | 4                                                  | 5                                                     | 5                                                  | 2                                                     |
| 0                                                  | 2                                                     | 0                                                  | 2                                                     | 0                                                  | 2                                                     | 0                                                  | 3                                                     |
| 1                                                  | 2                                                     | 0                                                  | 5                                                     | 1                                                  | 3                                                     | 0                                                  | 3                                                     |
| 0                                                  | 2                                                     | 0                                                  | 2                                                     | 0                                                  | 1                                                     | 0                                                  | 1                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 1                                                     | 0                                                  | 0                                                     | 0                                                  | 1                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |

### The Center Measures - National Rankings

| Institutions with Over \$40 Million<br>in Federal Research, Alphabetically |                                            | 2014<br>No. of Measures<br>in Top 25<br>Nationally | 2014<br>No. of Measures<br>in Top 26-50<br>Nationally | 2013<br>No. of Measures<br>in Top 25<br>Nationally | 2013<br>No. of Measures<br>in Top 26-50<br>Nationally |
|----------------------------------------------------------------------------|--------------------------------------------|----------------------------------------------------|-------------------------------------------------------|----------------------------------------------------|-------------------------------------------------------|
| Public                                                                     | University of Florida                      | 2                                                  | 5                                                     | 2                                                  | 5                                                     |
| Public                                                                     | University of Georgia                      | 0                                                  | 1                                                     | 0                                                  | 2                                                     |
| Public                                                                     | University of Hawaii - Manoa               | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | University of Houston - University Park    | 0                                                  | 0                                                     | 0                                                  | 1                                                     |
| Public                                                                     | University of Idaho                        | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | University of Illinois - Chicago           | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | University of Illinois - Urbana-Champaign  | 3                                                  | 4                                                     | 3                                                  | 4                                                     |
| Public                                                                     | University of Iowa                         | 1                                                  | 3                                                     | 0                                                  | 5                                                     |
| Public                                                                     | University of Kansas - Lawrence            | 0                                                  | 1                                                     | 0                                                  | 1                                                     |
| Public                                                                     | University of Kansas Medical Center        | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | University of Kentucky                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | University of Louisville                   | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | University of Maryland - Baltimore         | 0                                                  | 2                                                     | 0                                                  | 0                                                     |
| Public                                                                     | University of Maryland - Baltimore County  | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | University of Maryland - College Park      | 1                                                  | 4                                                     | 1                                                  | 5                                                     |
| Public                                                                     | University of Massachusetts - Amherst      | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | University of Mass. Med. Sch. - Worcester  | 0                                                  | 1                                                     | 0                                                  | 2                                                     |
| Public                                                                     | University of Medicine & Dentistry of NJ   | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Private                                                                    | University of Miami                        | 0                                                  | 1                                                     | 0                                                  | 1                                                     |
| Public                                                                     | University of Michigan - Ann Arbor         | 8                                                  | 0                                                     | 8                                                  | 1                                                     |
| Public                                                                     | University of Minnesota - Twin Cities      | 4                                                  | 4                                                     | 6                                                  | 2                                                     |
| Public                                                                     | University of Missouri - Columbia          | 0                                                  | 1                                                     | 0                                                  | 1                                                     |
| Public                                                                     | University of Nebraska - Lincoln           | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | University of Nebraska Medical Center      | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | University of Nevada - Reno                | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | University of New Hampshire - Durham       | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | University of New Mexico - Albuquerque     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | University of North Carolina - Chapel Hill | 5                                                  | 3                                                     | 5                                                  | 3                                                     |
| Public                                                                     | University of North Dakota                 | 0                                                  | 1                                                     | 0                                                  | 0                                                     |
| Private                                                                    | University of Notre Dame                   | 2                                                  | 2                                                     | 2                                                  | 1                                                     |
| Public                                                                     | University of Oklahoma - Norman            | 0                                                  | 1                                                     | 0                                                  | 0                                                     |
| Public                                                                     | University of Oklahoma HSC                 | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | University of Oregon                       | 0                                                  | 1                                                     | 0                                                  | 0                                                     |
| Private                                                                    | University of Pennsylvania                 | 9                                                  | 0                                                     | 9                                                  | 0                                                     |
| Public                                                                     | University of Pittsburgh - Pittsburgh      | 4                                                  | 3                                                     | 4                                                  | 4                                                     |
| Public                                                                     | University of Rhode Island                 | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Private                                                                    | University of Rochester                    | 0                                                  | 3                                                     | 0                                                  | 5                                                     |
| Public                                                                     | University of South Carolina - Columbia    | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | University of South Florida - Tampa        | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Private                                                                    | University of Southern California          | 5                                                  | 4                                                     | 6                                                  | 3                                                     |
| Public                                                                     | University of Tennessee - Knoxville        | 0                                                  | 1                                                     | 0                                                  | 2                                                     |
| Public                                                                     | University of Tennessee HSC                | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | University of Texas - Austin               | 4                                                  | 4                                                     | 5                                                  | 3                                                     |
| Public                                                                     | University of Texas HSC - Houston          | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | University of Texas HSC - San Antonio      | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | Univ. of Texas MD Anderson Cancer Center   | 1                                                  | 2                                                     | 1                                                  | 2                                                     |
| Public                                                                     | Univ. of Texas Medical Branch - Galveston  | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | Univ. of Texas SW Medical Center - Dallas  | 0                                                  | 4                                                     | 0                                                  | 6                                                     |
| Public                                                                     | University of Utah                         | 0                                                  | 5                                                     | 1                                                  | 4                                                     |

| 2012<br>No. of Measures<br>in Top 25<br>Nationally | 2012<br>No. of Measures<br>in Top 26-50<br>Nationally | 2011<br>No. of Measures<br>in Top 25<br>Nationally | 2011<br>No. of Measures<br>in Top 26-50<br>Nationally | 2010<br>No. of Measures<br>in Top 25<br>Nationally | 2010<br>No. of Measures<br>in Top 26-50<br>Nationally | 2009<br>No. of Measures<br>in Top 25<br>Nationally | 2009<br>No. of Measures<br>in Top 26-50<br>Nationally |
|----------------------------------------------------|-------------------------------------------------------|----------------------------------------------------|-------------------------------------------------------|----------------------------------------------------|-------------------------------------------------------|----------------------------------------------------|-------------------------------------------------------|
| 3                                                  | 4                                                     | 3                                                  | 4                                                     | 4                                                  | 3                                                     | 3                                                  | 4                                                     |
| 0                                                  | 1                                                     | 0                                                  | 1                                                     | 0                                                  | 2                                                     | 0                                                  | 2                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 2                                                     |
| 3                                                  | 4                                                     | 4                                                  | 3                                                     | 3                                                  | 4                                                     | 3                                                  | 4                                                     |
| 0                                                  | 7                                                     | 0                                                  | 6                                                     | 0                                                  | 5                                                     | 0                                                  | 7                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 1                                                     | 0                                                  | 1                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 1                                                     | 0                                                  | 1                                                     | 0                                                  | 1                                                     | 0                                                  | 1                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 1                                                  | 5                                                     | 1                                                  | 4                                                     | 1                                                  | 4                                                     | 1                                                  | 4                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 1                                                     |
| 0                                                  | 2                                                     | 0                                                  | 2                                                     | 1                                                  | 1                                                     | 1                                                  | 1                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 1                                                     | 0                                                  | 1                                                     | 0                                                  | 1                                                     | 0                                                  | 1                                                     |
| 8                                                  | 0                                                     | 8                                                  | 0                                                     | 7                                                  | 1                                                     | 8                                                  | 0                                                     |
| 6                                                  | 2                                                     | 6                                                  | 2                                                     | 6                                                  | 2                                                     | 6                                                  | 2                                                     |
| 0                                                  | 1                                                     | 0                                                  | 1                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 1                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 6                                                  | 2                                                     | 6                                                  | 2                                                     | 5                                                  | 3                                                     | 6                                                  | 2                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 2                                                  | 1                                                     | 3                                                  | 0                                                     | 2                                                  | 1                                                     | 3                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 1                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 9                                                  | 0                                                     | 9                                                  | 0                                                     | 9                                                  | 0                                                     | 8                                                  | 1                                                     |
| 4                                                  | 4                                                     | 4                                                  | 4                                                     | 4                                                  | 4                                                     | 4                                                  | 4                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 5                                                     | 0                                                  | 5                                                     | 0                                                  | 5                                                     | 1                                                  | 4                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 1                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 6                                                  | 3                                                     | 5                                                  | 4                                                     | 5                                                  | 4                                                     | 6                                                  | 3                                                     |
| 0                                                  | 1                                                     | 0                                                  | 1                                                     | 0                                                  | 1                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 5                                                  | 2                                                     | 6                                                  | 1                                                     | 6                                                  | 1                                                     | 6                                                  | 1                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 1                                                  | 2                                                     | 1                                                  | 2                                                     | 2                                                  | 0                                                     | 2                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 1                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 7                                                     | 0                                                  | 6                                                     | 0                                                  | 6                                                     | 0                                                  | 6                                                     |
| 0                                                  | 3                                                     | 0                                                  | 3                                                     | 0                                                  | 2                                                     | 0                                                  | 3                                                     |

### The Center Measures - National Rankings

| Institutions with Over \$40 Million<br>in Federal Research, Alphabetically |                                            | 2014<br>No. of Measures<br>in Top 25<br>Nationally | 2014<br>No. of Measures<br>in Top 26-50<br>Nationally | 2013<br>No. of Measures<br>in Top 25<br>Nationally | 2013<br>No. of Measures<br>in Top 26-50<br>Nationally |
|----------------------------------------------------------------------------|--------------------------------------------|----------------------------------------------------|-------------------------------------------------------|----------------------------------------------------|-------------------------------------------------------|
| Public                                                                     | University of Vermont                      | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | University of Virginia                     | 2                                                  | 4                                                     | 3                                                  | 2                                                     |
| Public                                                                     | University of Washington - Seattle         | 7                                                  | 1                                                     | 7                                                  | 1                                                     |
| Public                                                                     | University of Wisconsin - Madison          | 7                                                  | 1                                                     | 7                                                  | 1                                                     |
| Public                                                                     | University of Wyoming                      | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | Utah State University                      | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Private                                                                    | Vanderbilt University                      | 4                                                  | 4                                                     | 4                                                  | 4                                                     |
| Public                                                                     | Virginia Commonwealth University           | 0                                                  | 1                                                     | 0                                                  | 0                                                     |
| Public                                                                     | Virginia Polytechnic Inst. and State Univ. | 0                                                  | 2                                                     | 0                                                  | 2                                                     |
| Private                                                                    | Wake Forest University                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Public                                                                     | Washington State University - Pullman      | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Private                                                                    | Washington University in St. Louis         | 6                                                  | 2                                                     | 4                                                  | 4                                                     |
| Public                                                                     | Wayne State University                     | 1                                                  | 0                                                     | 0                                                  | 0                                                     |
| Private                                                                    | Weill Cornell Medical College              | 0                                                  | 2                                                     | 0                                                  | 0                                                     |
| Public                                                                     | West Virginia University                   | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Private                                                                    | Woods Hole Oceanographic Institution       | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| Private                                                                    | Yale University                            | 8                                                  | 1                                                     | 8                                                  | 1                                                     |
| Private                                                                    | Yeshiva University                         | 0                                                  | 0                                                     | 0                                                  | 0                                                     |

| 2012<br>No. of Measures<br>in Top 25<br>Nationally | 2012<br>No. of Measures<br>in Top 26-50<br>Nationally | 2011<br>No. of Measures<br>in Top 25<br>Nationally | 2011<br>No. of Measures<br>in Top 26-50<br>Nationally | 2010<br>No. of Measures<br>in Top 25<br>Nationally | 2010<br>No. of Measures<br>in Top 26-50<br>Nationally | 2009<br>No. of Measures<br>in Top 25<br>Nationally | 2009<br>No. of Measures<br>in Top 26-50<br>Nationally |
|----------------------------------------------------|-------------------------------------------------------|----------------------------------------------------|-------------------------------------------------------|----------------------------------------------------|-------------------------------------------------------|----------------------------------------------------|-------------------------------------------------------|
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 1                                                  | 5                                                     | 1                                                  | 5                                                     | 2                                                  | 5                                                     | 2                                                  | 4                                                     |
| 6                                                  | 1                                                     | 6                                                  | 1                                                     | 6                                                  | 1                                                     | 6                                                  | 1                                                     |
| 7                                                  | 1                                                     | 7                                                  | 1                                                     | 7                                                  | 1                                                     | 7                                                  | 1                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 4                                                  | 4                                                     | 4                                                  | 4                                                     | 4                                                  | 4                                                     | 3                                                  | 5                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 2                                                     | 0                                                  | 2                                                     | 0                                                  | 2                                                     | 0                                                  | 2                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 5                                                  | 3                                                     | 8                                                  | 0                                                     | 5                                                  | 3                                                     | 6                                                  | 2                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 1                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     | 0                                                  | 0                                                     |
| 0                                                  | 1                                                     | 0                                                  | 1                                                     | 0                                                  | 1                                                     | 0                                                  | 1                                                     |
| 8                                                  | 0                                                     | 7                                                  | 2                                                     | 7                                                  | 2                                                     | 7                                                  | 2                                                     |
| 0                                                  | 1                                                     | 0                                                  | 1                                                     | 0                                                  | 1                                                     | 0                                                  | 2                                                     |

### The Center Measures - Control Rankings

| Institutions with Over \$40 Million<br>in Federal Research, Alphabetically |                                             | 2014<br>No. of Measures<br>in Top 25<br>Among<br>Privates/Publics | 2014<br>No. of Measures<br>in Top 26-50<br>Among<br>Privates/Publics | 2013<br>No. of Measures<br>in Top 25<br>Among<br>Privates/Publics | 2013<br>No. of Measures<br>in Top 26-50<br>Among<br>Privates/Publics |
|----------------------------------------------------------------------------|---------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------|
| Public                                                                     | Arizona State University - Tempe            | 1                                                                 | 6                                                                    | 1                                                                 | 6                                                                    |
| Public                                                                     | Auburn University                           | 0                                                                 | 1                                                                    | 0                                                                 | 1                                                                    |
| Private                                                                    | Baylor College of Medicine                  | 4                                                                 | 2                                                                    | 4                                                                 | 2                                                                    |
| Private                                                                    | Boston University                           | 5                                                                 | 3                                                                    | 5                                                                 | 3                                                                    |
| Private                                                                    | Brandeis University                         | 1                                                                 | 5                                                                    | 0                                                                 | 6                                                                    |
| Private                                                                    | Brown University                            | 4                                                                 | 5                                                                    | 4                                                                 | 5                                                                    |
| Private                                                                    | California Institute of Technology          | 8                                                                 | 1                                                                    | 8                                                                 | 1                                                                    |
| Private                                                                    | Carnegie Mellon University                  | 4                                                                 | 5                                                                    | 4                                                                 | 5                                                                    |
| Private                                                                    | Case Western Reserve University             | 3                                                                 | 6                                                                    | 2                                                                 | 6                                                                    |
| Public                                                                     | Clemson University                          | 0                                                                 | 1                                                                    | 0                                                                 | 1                                                                    |
| Public                                                                     | Cleveland State University                  | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| Private                                                                    | Cold Springs Harbor Laboratory              | 0                                                                 | 3                                                                    | 0                                                                 | 3                                                                    |
| Public                                                                     | Colorado State University - Fort Collins    | 0                                                                 | 5                                                                    | 0                                                                 | 3                                                                    |
| Private                                                                    | Columbia University                         | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    |
| Private                                                                    | Cornell University                          | 8                                                                 | 1                                                                    | 8                                                                 | 1                                                                    |
| Private                                                                    | Dartmouth College                           | 4                                                                 | 4                                                                    | 3                                                                 | 5                                                                    |
| Private                                                                    | Drexel University                           | 0                                                                 | 7                                                                    | 0                                                                 | 7                                                                    |
| Private                                                                    | Duke University                             | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    |
| Private                                                                    | Emory University                            | 8                                                                 | 1                                                                    | 8                                                                 | 1                                                                    |
| Public                                                                     | Florida International University            | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| Public                                                                     | Florida State University                    | 0                                                                 | 3                                                                    | 0                                                                 | 4                                                                    |
| Public                                                                     | George Mason University                     | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| Private                                                                    | George Washington University                | 2                                                                 | 6                                                                    | 2                                                                 | 6                                                                    |
| Private                                                                    | Georgetown University                       | 1                                                                 | 8                                                                    | 1                                                                 | 8                                                                    |
| Public                                                                     | Georgia Health Sciences University          | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| Public                                                                     | Georgia Institute of Technology             | 7                                                                 | 2                                                                    | 7                                                                 | 2                                                                    |
| Private                                                                    | Harvard University                          | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    |
| Private                                                                    | Icahn School of Medicine at Mount Sinai     | 4                                                                 | 2                                                                    | 4                                                                 | 2                                                                    |
| Public                                                                     | Indiana University - Bloomington            | 3                                                                 | 3                                                                    | 2                                                                 | 3                                                                    |
| Public                                                                     | Indiana Univ. - Purdue Univ. - Indianapolis | 0                                                                 | 4                                                                    | 1                                                                 | 4                                                                    |
| Public                                                                     | Iowa State University                       | 0                                                                 | 3                                                                    | 0                                                                 | 5                                                                    |
| Private                                                                    | Johns Hopkins University                    | 8                                                                 | 1                                                                    | 8                                                                 | 1                                                                    |
| Public                                                                     | Kansas State University                     | 0                                                                 | 1                                                                    | 0                                                                 | 0                                                                    |
| Public                                                                     | Louisiana State University - Baton Rouge    | 0                                                                 | 3                                                                    | 0                                                                 | 3                                                                    |
| Public                                                                     | Louisiana State Univ. HSC - New Orleans     | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| Private                                                                    | Massachusetts Institute of Technology       | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    |
| Private                                                                    | Medical College of Wisconsin                | 0                                                                 | 4                                                                    | 0                                                                 | 4                                                                    |
| Public                                                                     | Medical University of South Carolina        | 0                                                                 | 1                                                                    | 0                                                                 | 1                                                                    |
| Public                                                                     | Michigan State University                   | 6                                                                 | 2                                                                    | 4                                                                 | 4                                                                    |
| Public                                                                     | Mississippi State University                | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| Public                                                                     | Montana State University - Bozeman          | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| Public                                                                     | Naval Postgraduate School                   | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| Public                                                                     | New Jersey Institute of Technology          | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| Public                                                                     | New Mexico State University - Las Cruces    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| Private                                                                    | New York University                         | 8                                                                 | 0                                                                    | 8                                                                 | 1                                                                    |
| Public                                                                     | North Carolina State University             | 3                                                                 | 5                                                                    | 0                                                                 | 8                                                                    |
| Public                                                                     | North Dakota State University               | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| Private                                                                    | Northeastern University                     | 0                                                                 | 7                                                                    | 0                                                                 | 6                                                                    |
| Private                                                                    | Northwestern University                     | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    |

| 2012<br>No. of Measures<br>in Top 25<br>Among<br>Privates/Publics | 2012<br>No. of Measures<br>in Top 26-50<br>Among<br>Privates/Publics | 2011<br>No. of Measures<br>in Top 25<br>Among<br>Privates/Publics | 2011<br>No. of Measures<br>in Top 26-50<br>Among<br>Privates/Publics | 2010<br>No. of Measures<br>in Top 25<br>Among<br>Privates/Publics | 2010<br>No. of Measures<br>in Top 26-50<br>Among<br>Privates/Publics | 2009<br>No. of Measures<br>in Top 25<br>Among<br>Privates/Publics | 2009<br>No. of Measures<br>in Top 26-50<br>Among<br>Privates/Publics |
|-------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------|
| 1                                                                 | 6                                                                    | 1                                                                 | 5                                                                    | 2                                                                 | 5                                                                    | 1                                                                 | 4                                                                    |
| 0                                                                 | 1                                                                    | 0                                                                 | 1                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| 4                                                                 | 2                                                                    | 4                                                                 | 2                                                                    | 3                                                                 | 3                                                                    | 3                                                                 | 4                                                                    |
| 6                                                                 | 2                                                                    | 5                                                                 | 3                                                                    | 5                                                                 | 3                                                                    | 5                                                                 | 3                                                                    |
| 1                                                                 | 6                                                                    | 0                                                                 | 7                                                                    | 0                                                                 | 7                                                                    | 0                                                                 | 7                                                                    |
| 5                                                                 | 4                                                                    | 4                                                                 | 5                                                                    | 5                                                                 | 4                                                                    | 5                                                                 | 4                                                                    |
| 8                                                                 | 1                                                                    | 8                                                                 | 1                                                                    | 7                                                                 | 2                                                                    | 7                                                                 | 2                                                                    |
| 4                                                                 | 5                                                                    | 4                                                                 | 4                                                                    | 3                                                                 | 5                                                                    | 3                                                                 | 6                                                                    |
| 4                                                                 | 5                                                                    | 3                                                                 | 5                                                                    | 6                                                                 | 2                                                                    | 5                                                                 | 3                                                                    |
| 0                                                                 | 1                                                                    | 0                                                                 | 1                                                                    | 0                                                                 | 1                                                                    | 0                                                                 | 2                                                                    |
| 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| 0                                                                 | 1                                                                    | 0                                                                 | 1                                                                    | 0                                                                 | 1                                                                    | 0                                                                 | 1                                                                    |
| 0                                                                 | 3                                                                    | 0                                                                 | 3                                                                    | 0                                                                 | 4                                                                    | 0                                                                 | 3                                                                    |
| 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    |
| 8                                                                 | 1                                                                    | 7                                                                 | 2                                                                    | 8                                                                 | 1                                                                    | 8                                                                 | 1                                                                    |
| 3                                                                 | 5                                                                    | 3                                                                 | 5                                                                    | 3                                                                 | 5                                                                    | 4                                                                 | 4                                                                    |
| 0                                                                 | 6                                                                    | 0                                                                 | 7                                                                    | 0                                                                 | 7                                                                    | 0                                                                 | 5                                                                    |
| 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    |
| 8                                                                 | 1                                                                    | 8                                                                 | 1                                                                    | 7                                                                 | 2                                                                    | 7                                                                 | 2                                                                    |
| 0                                                                 | 0                                                                    | 0                                                                 | 1                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 1                                                                    |
| 0                                                                 | 6                                                                    | 0                                                                 | 6                                                                    | 0                                                                 | 5                                                                    | 0                                                                 | 5                                                                    |
| 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| 1                                                                 | 7                                                                    | 2                                                                 | 5                                                                    | 1                                                                 | 6                                                                    | 1                                                                 | 6                                                                    |
| 1                                                                 | 8                                                                    | 0                                                                 | 9                                                                    | 1                                                                 | 7                                                                    | 1                                                                 | 7                                                                    |
| 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| 8                                                                 | 1                                                                    | 7                                                                 | 2                                                                    | 8                                                                 | 1                                                                    | 6                                                                 | 3                                                                    |
| 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    |
| 4                                                                 | 1                                                                    | 4                                                                 | 2                                                                    | 4                                                                 | 2                                                                    | 4                                                                 | 2                                                                    |
| 1                                                                 | 3                                                                    | 1                                                                 | 2                                                                    | 2                                                                 | 2                                                                    | 3                                                                 | 2                                                                    |
| 0                                                                 | 4                                                                    | 0                                                                 | 4                                                                    | 0                                                                 | 3                                                                    | 0                                                                 | 3                                                                    |
| 0                                                                 | 5                                                                    | 0                                                                 | 5                                                                    | 0                                                                 | 4                                                                    | 0                                                                 | 4                                                                    |
| 8                                                                 | 1                                                                    | 8                                                                 | 1                                                                    | 8                                                                 | 1                                                                    | 8                                                                 | 1                                                                    |
| 0                                                                 | 0                                                                    | 0                                                                 | 1                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| 0                                                                 | 2                                                                    | 0                                                                 | 3                                                                    | 0                                                                 | 2                                                                    | 0                                                                 | 2                                                                    |
| 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    |
| 0                                                                 | 4                                                                    | 0                                                                 | 3                                                                    | 0                                                                 | 3                                                                    | 0                                                                 | 5                                                                    |
| 0                                                                 | 1                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 1                                                                    | 0                                                                 | 1                                                                    |
| 4                                                                 | 4                                                                    | 4                                                                 | 4                                                                    | 5                                                                 | 3                                                                    | 5                                                                 | 3                                                                    |
| 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| 8                                                                 | 0                                                                    | 8                                                                 | 0                                                                    | 8                                                                 | 1                                                                    | 8                                                                 | 0                                                                    |
| 0                                                                 | 8                                                                    | 1                                                                 | 7                                                                    | 1                                                                 | 7                                                                    | 1                                                                 | 8                                                                    |
| 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| 0                                                                 | 6                                                                    | 0                                                                 | 5                                                                    | 1                                                                 | 4                                                                    | 0                                                                 | 5                                                                    |
| 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    |

### The Center Measures - Control Rankings

| Institutions with Over \$40 Million<br>in Federal Research, Alphabetically |                                             | 2014<br>No. of Measures<br>in Top 25<br>Among<br>Privates/Publics | 2014<br>No. of Measures<br>in Top 26-50<br>Among<br>Privates/Publics | 2013<br>No. of Measures<br>in Top 25<br>Among<br>Privates/Publics | 2013<br>No. of Measures<br>in Top 26-50<br>Among<br>Privates/Publics |
|----------------------------------------------------------------------------|---------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------|
| Public                                                                     | Ohio State University - Columbus            | 9                                                                 | 0                                                                    | 8                                                                 | 1                                                                    |
| Public                                                                     | Oklahoma State University - Stillwater      | 0                                                                 | 1                                                                    | 0                                                                 | 1                                                                    |
| Public                                                                     | Oregon Health & Science University          | 0                                                                 | 5                                                                    | 0                                                                 | 6                                                                    |
| Public                                                                     | Oregon State University                     | 0                                                                 | 2                                                                    | 1                                                                 | 2                                                                    |
| Public                                                                     | Pennsylvania St. Univ. - Hershey Med. Ctr.  | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| Public                                                                     | Pennsylvania State University - Univ. Park  | 8                                                                 | 1                                                                    | 8                                                                 | 0                                                                    |
| Private                                                                    | Princeton University                        | 7                                                                 | 2                                                                    | 7                                                                 | 2                                                                    |
| Public                                                                     | Purdue University - West Lafayette          | 5                                                                 | 3                                                                    | 6                                                                 | 2                                                                    |
| Private                                                                    | Rensselaer Polytechnic Institute            | 0                                                                 | 7                                                                    | 0                                                                 | 7                                                                    |
| Private                                                                    | Rice University                             | 4                                                                 | 5                                                                    | 3                                                                 | 6                                                                    |
| Private                                                                    | Rockefeller University                      | 3                                                                 | 3                                                                    | 3                                                                 | 3                                                                    |
| Private                                                                    | Rush University                             | 0                                                                 | 2                                                                    | 0                                                                 | 3                                                                    |
| Public                                                                     | Rutgers University - New Brunswick          | 3                                                                 | 6                                                                    | 2                                                                 | 5                                                                    |
| Public                                                                     | San Diego State University                  | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| Private                                                                    | Scripps Research Institute                  | 4                                                                 | 0                                                                    | 4                                                                 | 0                                                                    |
| Public                                                                     | South Dakota State University               | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| Private                                                                    | Stanford University                         | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    |
| Public                                                                     | Stony Brook University                      | 0                                                                 | 6                                                                    | 0                                                                 | 3                                                                    |
| Public                                                                     | Temple University                           | 0                                                                 | 1                                                                    | 0                                                                 | 0                                                                    |
| Public                                                                     | Texas A&M University - College Station      | 5                                                                 | 4                                                                    | 6                                                                 | 3                                                                    |
| Private                                                                    | Thomas Jefferson University                 | 0                                                                 | 4                                                                    | 0                                                                 | 4                                                                    |
| Private                                                                    | Tufts University                            | 1                                                                 | 8                                                                    | 1                                                                 | 8                                                                    |
| Private                                                                    | Tulane University                           | 0                                                                 | 7                                                                    | 0                                                                 | 7                                                                    |
| Public                                                                     | Uniformed Services University of the HS     | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| Public                                                                     | University at Albany                        | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| Public                                                                     | University at Buffalo                       | 0                                                                 | 6                                                                    | 0                                                                 | 6                                                                    |
| Public                                                                     | University of Alabama - Birmingham          | 2                                                                 | 1                                                                    | 2                                                                 | 2                                                                    |
| Public                                                                     | University of Alabama - Huntsville          | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| Public                                                                     | University of Alaska - Fairbanks            | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| Public                                                                     | University of Arizona                       | 4                                                                 | 4                                                                    | 5                                                                 | 3                                                                    |
| Public                                                                     | University of Arkansas for Medical Sciences | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| Public                                                                     | University of California - Berkeley         | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    |
| Public                                                                     | University of California - Davis            | 6                                                                 | 3                                                                    | 5                                                                 | 4                                                                    |
| Public                                                                     | University of California - Irvine           | 3                                                                 | 3                                                                    | 2                                                                 | 4                                                                    |
| Public                                                                     | University of California - Los Angeles      | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    |
| Public                                                                     | University of California - Riverside        | 0                                                                 | 2                                                                    | 0                                                                 | 3                                                                    |
| Public                                                                     | University of California - San Diego        | 7                                                                 | 2                                                                    | 8                                                                 | 1                                                                    |
| Public                                                                     | University of California - San Francisco    | 7                                                                 | 0                                                                    | 7                                                                 | 0                                                                    |
| Public                                                                     | University of California - Santa Barbara    | 1                                                                 | 4                                                                    | 1                                                                 | 5                                                                    |
| Public                                                                     | University of California - Santa Cruz       | 0                                                                 | 1                                                                    | 0                                                                 | 1                                                                    |
| Public                                                                     | University of Central Florida               | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| Private                                                                    | University of Chicago                       | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    |
| Public                                                                     | University of Cincinnati - Cincinnati       | 3                                                                 | 4                                                                    | 3                                                                 | 4                                                                    |
| Public                                                                     | University of Colorado - Boulder            | 4                                                                 | 2                                                                    | 3                                                                 | 4                                                                    |
| Public                                                                     | University of Colorado - Denver             | 1                                                                 | 3                                                                    | 2                                                                 | 4                                                                    |
| Public                                                                     | University of Connecticut - Health Center   | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| Public                                                                     | University of Connecticut - Storrs          | 0                                                                 | 2                                                                    | 0                                                                 | 2                                                                    |
| Private                                                                    | University of Dayton                        | 0                                                                 | 2                                                                    | 0                                                                 | 2                                                                    |
| Public                                                                     | University of Delaware                      | 1                                                                 | 0                                                                    | 1                                                                 | 3                                                                    |

| 2012<br>No. of Measures<br>in Top 25<br>Among<br>Privates/Publics | 2012<br>No. of Measures<br>in Top 26-50<br>Among<br>Privates/Publics | 2011<br>No. of Measures<br>in Top 25<br>Among<br>Privates/Publics | 2011<br>No. of Measures<br>in Top 26-50<br>Among<br>Privates/Publics | 2010<br>No. of Measures<br>in Top 25<br>Among<br>Privates/Publics | 2010<br>No. of Measures<br>in Top 26-50<br>Among<br>Privates/Publics | 2009<br>No. of Measures<br>in Top 25<br>Among<br>Privates/Publics | 2009<br>No. of Measures<br>in Top 26-50<br>Among<br>Privates/Publics |
|-------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------|
| 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    | 8                                                                 | 1                                                                    | 8                                                                 | 1                                                                    |
| 0                                                                 | 1                                                                    | 0                                                                 | 2                                                                    | 0                                                                 | 1                                                                    | 0                                                                 | 1                                                                    |
| 0                                                                 | 6                                                                    | 1                                                                 | 5                                                                    | 2                                                                 | 3                                                                    | 1                                                                 | 4                                                                    |
| 0                                                                 | 2                                                                    | 0                                                                 | 1                                                                    | 0                                                                 | 1                                                                    | 0                                                                 | 1                                                                    |
| 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| 7                                                                 | 2                                                                    | 7                                                                 | 2                                                                    | 8                                                                 | 1                                                                    | 8                                                                 | 1                                                                    |
| 7                                                                 | 2                                                                    | 7                                                                 | 2                                                                    | 7                                                                 | 2                                                                    | 7                                                                 | 2                                                                    |
| 6                                                                 | 2                                                                    | 5                                                                 | 3                                                                    | 5                                                                 | 3                                                                    | 6                                                                 | 2                                                                    |
| 0                                                                 | 8                                                                    | 0                                                                 | 7                                                                    | 0                                                                 | 6                                                                    | 0                                                                 | 5                                                                    |
| 4                                                                 | 5                                                                    | 2                                                                 | 7                                                                    | 4                                                                 | 5                                                                    | 3                                                                 | 6                                                                    |
| 2                                                                 | 4                                                                    | 4                                                                 | 2                                                                    | 4                                                                 | 3                                                                    | 4                                                                 | 3                                                                    |
| 0                                                                 | 3                                                                    | 0                                                                 | 4                                                                    | 0                                                                 | 3                                                                    | 0                                                                 | 3                                                                    |
| 2                                                                 | 7                                                                    | 4                                                                 | 4                                                                    | 3                                                                 | 6                                                                    | 4                                                                 | 5                                                                    |
| 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| 4                                                                 | 0                                                                    | 4                                                                 | 1                                                                    | 4                                                                 | 1                                                                    | 4                                                                 | 0                                                                    |
| 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    |
| 0                                                                 | 4                                                                    | 0                                                                 | 4                                                                    | 0                                                                 | 4                                                                    | 0                                                                 | 4                                                                    |
| 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 1                                                                    | 0                                                                 | 1                                                                    |
| 6                                                                 | 3                                                                    | 6                                                                 | 3                                                                    | 6                                                                 | 3                                                                    | 7                                                                 | 2                                                                    |
| 0                                                                 | 4                                                                    | 0                                                                 | 4                                                                    | 0                                                                 | 4                                                                    | 0                                                                 | 4                                                                    |
| 1                                                                 | 8                                                                    | 1                                                                 | 8                                                                    | 1                                                                 | 8                                                                    | 3                                                                 | 6                                                                    |
| 0                                                                 | 6                                                                    | 0                                                                 | 7                                                                    | 0                                                                 | 7                                                                    | 0                                                                 | 6                                                                    |
| 0                                                                 | 0                                                                    | 0                                                                 | 1                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| 0                                                                 | 1                                                                    | 0                                                                 | 1                                                                    | 0                                                                 | 1                                                                    | 0                                                                 | 1                                                                    |
| 0                                                                 | 6                                                                    | 1                                                                 | 5                                                                    | 1                                                                 | 5                                                                    | 1                                                                 | 5                                                                    |
| 2                                                                 | 2                                                                    | 2                                                                 | 1                                                                    | 2                                                                 | 2                                                                    | 1                                                                 | 3                                                                    |
| 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| 1                                                                 | 0                                                                    | 1                                                                 | 0                                                                    | 0                                                                 | 1                                                                    | 1                                                                 | 0                                                                    |
| 6                                                                 | 2                                                                    | 5                                                                 | 3                                                                    | 7                                                                 | 1                                                                    | 7                                                                 | 0                                                                    |
| 0                                                                 | 0                                                                    | 0                                                                 | 1                                                                    | 1                                                                 | 0                                                                    | 0                                                                 | 1                                                                    |
| 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    |
| 6                                                                 | 3                                                                    | 6                                                                 | 2                                                                    | 6                                                                 | 2                                                                    | 6                                                                 | 2                                                                    |
| 2                                                                 | 5                                                                    | 3                                                                 | 4                                                                    | 2                                                                 | 5                                                                    | 2                                                                 | 6                                                                    |
| 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    |
| 0                                                                 | 2                                                                    | 0                                                                 | 2                                                                    | 0                                                                 | 2                                                                    | 0                                                                 | 1                                                                    |
| 8                                                                 | 1                                                                    | 7                                                                 | 2                                                                    | 7                                                                 | 2                                                                    | 7                                                                 | 2                                                                    |
| 7                                                                 | 0                                                                    | 7                                                                 | 0                                                                    | 7                                                                 | 0                                                                    | 7                                                                 | 0                                                                    |
| 1                                                                 | 4                                                                    | 2                                                                 | 1                                                                    | 1                                                                 | 2                                                                    | 1                                                                 | 3                                                                    |
| 0                                                                 | 1                                                                    | 0                                                                 | 2                                                                    | 0                                                                 | 2                                                                    | 0                                                                 | 1                                                                    |
| 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 1                                                                    |
| 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    |
| 2                                                                 | 5                                                                    | 1                                                                 | 5                                                                    | 2                                                                 | 6                                                                    | 3                                                                 | 4                                                                    |
| 3                                                                 | 3                                                                    | 4                                                                 | 3                                                                    | 4                                                                 | 3                                                                    | 3                                                                 | 3                                                                    |
| 1                                                                 | 4                                                                    | 1                                                                 | 3                                                                    | 0                                                                 | 3                                                                    | 0                                                                 | 4                                                                    |
| 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| 0                                                                 | 2                                                                    | 1                                                                 | 2                                                                    | 0                                                                 | 3                                                                    | 1                                                                 | 3                                                                    |
| 0                                                                 | 2                                                                    | 0                                                                 | 2                                                                    | 0                                                                 | 2                                                                    | 0                                                                 | 2                                                                    |
| 1                                                                 | 1                                                                    | 1                                                                 | 2                                                                    | 1                                                                 | 4                                                                    | 1                                                                 | 1                                                                    |

### The Center Measures - Control Rankings

| Institutions with Over \$40 Million<br>in Federal Research, Alphabetically |                                            | 2014<br>No. of Measures<br>in Top 25<br>Among<br>Privates/Publics | 2014<br>No. of Measures<br>in Top 26-50<br>Among<br>Privates/Publics | 2013<br>No. of Measures<br>in Top 25<br>Among<br>Privates/Publics | 2013<br>No. of Measures<br>in Top 26-50<br>Among<br>Privates/Publics |
|----------------------------------------------------------------------------|--------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------|
| Public                                                                     | University of Florida                      | 8                                                                 | 1                                                                    | 9                                                                 | 0                                                                    |
| Public                                                                     | University of Georgia                      | 0                                                                 | 6                                                                    | 1                                                                 | 4                                                                    |
| Public                                                                     | University of Hawaii - Manoa               | 0                                                                 | 5                                                                    | 0                                                                 | 4                                                                    |
| Public                                                                     | University of Houston - University Park    | 0                                                                 | 3                                                                    | 1                                                                 | 4                                                                    |
| Public                                                                     | University of Idaho                        | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| Public                                                                     | University of Illinois - Chicago           | 0                                                                 | 6                                                                    | 0                                                                 | 6                                                                    |
| Public                                                                     | University of Illinois - Urbana-Champaign  | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    |
| Public                                                                     | University of Iowa                         | 2                                                                 | 6                                                                    | 4                                                                 | 4                                                                    |
| Public                                                                     | University of Kansas - Lawrence            | 2                                                                 | 2                                                                    | 1                                                                 | 3                                                                    |
| Public                                                                     | University of Kansas Medical Center        | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| Public                                                                     | University of Kentucky                     | 0                                                                 | 6                                                                    | 0                                                                 | 5                                                                    |
| Public                                                                     | University of Louisville                   | 0                                                                 | 2                                                                    | 0                                                                 | 2                                                                    |
| Public                                                                     | University of Maryland - Baltimore         | 0                                                                 | 5                                                                    | 0                                                                 | 4                                                                    |
| Public                                                                     | University of Maryland - Baltimore County  | 0                                                                 | 1                                                                    | 0                                                                 | 1                                                                    |
| Public                                                                     | University of Maryland - College Park      | 6                                                                 | 1                                                                    | 7                                                                 | 1                                                                    |
| Public                                                                     | University of Massachusetts - Amherst      | 0                                                                 | 3                                                                    | 0                                                                 | 2                                                                    |
| Public                                                                     | University of Mass. Med. Sch. - Worcester  | 0                                                                 | 4                                                                    | 2                                                                 | 2                                                                    |
| Public                                                                     | University of Medicine & Dentistry of NJ   | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| Private                                                                    | University of Miami                        | 3                                                                 | 4                                                                    | 3                                                                 | 4                                                                    |
| Public                                                                     | University of Michigan - Ann Arbor         | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    |
| Public                                                                     | University of Minnesota - Twin Cities      | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    |
| Public                                                                     | University of Missouri - Columbia          | 0                                                                 | 4                                                                    | 0                                                                 | 6                                                                    |
| Public                                                                     | University of Nebraska - Lincoln           | 0                                                                 | 4                                                                    | 0                                                                 | 2                                                                    |
| Public                                                                     | University of Nebraska Medical Center      | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| Public                                                                     | University of Nevada - Reno                | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| Public                                                                     | University of New Hampshire - Durham       | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| Public                                                                     | University of New Mexico - Albuquerque     | 0                                                                 | 1                                                                    | 0                                                                 | 1                                                                    |
| Public                                                                     | University of North Carolina - Chapel Hill | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    |
| Public                                                                     | University of North Dakota                 | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| Private                                                                    | University of Notre Dame                   | 4                                                                 | 5                                                                    | 3                                                                 | 6                                                                    |
| Public                                                                     | University of Oklahoma - Norman            | 1                                                                 | 1                                                                    | 0                                                                 | 2                                                                    |
| Public                                                                     | University of Oklahoma HSC                 | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| Public                                                                     | University of Oregon                       | 1                                                                 | 1                                                                    | 0                                                                 | 3                                                                    |
| Private                                                                    | University of Pennsylvania                 | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    |
| Public                                                                     | University of Pittsburgh - Pittsburgh      | 7                                                                 | 2                                                                    | 8                                                                 | 1                                                                    |
| Public                                                                     | University of Rhode Island                 | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| Private                                                                    | University of Rochester                    | 4                                                                 | 4                                                                    | 5                                                                 | 3                                                                    |
| Public                                                                     | University of South Carolina - Columbia    | 0                                                                 | 4                                                                    | 0                                                                 | 4                                                                    |
| Public                                                                     | University of South Florida - Tampa        | 0                                                                 | 4                                                                    | 0                                                                 | 4                                                                    |
| Private                                                                    | University of Southern California          | 8                                                                 | 1                                                                    | 8                                                                 | 1                                                                    |
| Public                                                                     | University of Tennessee - Knoxville        | 1                                                                 | 4                                                                    | 2                                                                 | 3                                                                    |
| Public                                                                     | University of Tennessee HSC                | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| Public                                                                     | University of Texas - Austin               | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    |
| Public                                                                     | University of Texas HSC - Houston          | 0                                                                 | 2                                                                    | 0                                                                 | 2                                                                    |
| Public                                                                     | University of Texas HSC - San Antonio      | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| Public                                                                     | Univ. of Texas MD Anderson Cancer Center   | 4                                                                 | 2                                                                    | 4                                                                 | 1                                                                    |
| Public                                                                     | Univ. of Texas Medical Branch - Galveston  | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| Public                                                                     | Univ. of Texas SW Medical Center - Dallas  | 4                                                                 | 3                                                                    | 4                                                                 | 3                                                                    |
| Public                                                                     | University of Utah                         | 3                                                                 | 5                                                                    | 2                                                                 | 6                                                                    |

# The Top American Research Universities

| 2012<br>No. of Measures<br>in Top 25<br>Among<br>Privates/Publics | 2012<br>No. of Measures<br>in Top 26-50<br>Among<br>Privates/Publics | 2011<br>No. of Measures<br>in Top 25<br>Among<br>Privates/Publics | 2011<br>No. of Measures<br>in Top 26-50<br>Among<br>Privates/Publics | 2010<br>No. of Measures<br>in Top 25<br>Among<br>Privates/Publics | 2010<br>No. of Measures<br>in Top 26-50<br>Among<br>Privates/Publics | 2009<br>No. of Measures<br>in Top 25<br>Among<br>Privates/Publics | 2009<br>No. of Measures<br>in Top 26-50<br>Among<br>Privates/Publics |
|-------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------|
| 9                                                                 | 0                                                                    | 8                                                                 | 1                                                                    | 9                                                                 | 0                                                                    | 8                                                                 | 1                                                                    |
| 1                                                                 | 2                                                                    | 1                                                                 | 7                                                                    | 1                                                                 | 4                                                                    | 1                                                                 | 6                                                                    |
| 0                                                                 | 3                                                                    | 0                                                                 | 3                                                                    | 0                                                                 | 4                                                                    | 0                                                                 | 4                                                                    |
| 0                                                                 | 3                                                                    | 0                                                                 | 3                                                                    | 0                                                                 | 3                                                                    | 0                                                                 | 3                                                                    |
| 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| 0                                                                 | 5                                                                    | 0                                                                 | 5                                                                    | 0                                                                 | 5                                                                    | 0                                                                 | 5                                                                    |
| 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    |
| 6                                                                 | 2                                                                    | 5                                                                 | 3                                                                    | 3                                                                 | 5                                                                    | 6                                                                 | 2                                                                    |
| 1                                                                 | 2                                                                    | 1                                                                 | 2                                                                    | 1                                                                 | 0                                                                    | 1                                                                 | 1                                                                    |
| 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| 0                                                                 | 6                                                                    | 0                                                                 | 5                                                                    | 1                                                                 | 4                                                                    | 0                                                                 | 5                                                                    |
| 0                                                                 | 2                                                                    | 0                                                                 | 2                                                                    | 0                                                                 | 1                                                                    | 0                                                                 | 1                                                                    |
| 1                                                                 | 4                                                                    | 0                                                                 | 4                                                                    | 1                                                                 | 3                                                                    | 0                                                                 | 3                                                                    |
| 0                                                                 | 1                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 1                                                                    | 0                                                                 | 1                                                                    |
| 7                                                                 | 1                                                                    | 6                                                                 | 2                                                                    | 6                                                                 | 2                                                                    | 5                                                                 | 3                                                                    |
| 0                                                                 | 2                                                                    | 0                                                                 | 2                                                                    | 0                                                                 | 4                                                                    | 0                                                                 | 3                                                                    |
| 2                                                                 | 1                                                                    | 2                                                                 | 1                                                                    | 1                                                                 | 2                                                                    | 2                                                                 | 1                                                                    |
| 0                                                                 | 1                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 1                                                                    | 0                                                                 | 2                                                                    |
| 3                                                                 | 4                                                                    | 3                                                                 | 4                                                                    | 3                                                                 | 4                                                                    | 2                                                                 | 5                                                                    |
| 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    |
| 8                                                                 | 1                                                                    | 8                                                                 | 1                                                                    | 8                                                                 | 1                                                                    | 8                                                                 | 1                                                                    |
| 0                                                                 | 5                                                                    | 0                                                                 | 4                                                                    | 0                                                                 | 5                                                                    | 0                                                                 | 4                                                                    |
| 0                                                                 | 2                                                                    | 0                                                                 | 3                                                                    | 0                                                                 | 2                                                                    | 0                                                                 | 2                                                                    |
| 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| 0                                                                 | 2                                                                    | 1                                                                 | 1                                                                    | 0                                                                 | 1                                                                    | 0                                                                 | 3                                                                    |
| 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    |
| 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| 3                                                                 | 6                                                                    | 4                                                                 | 5                                                                    | 4                                                                 | 5                                                                    | 3                                                                 | 6                                                                    |
| 0                                                                 | 2                                                                    | 0                                                                 | 2                                                                    | 0                                                                 | 1                                                                    | 0                                                                 | 1                                                                    |
| 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| 0                                                                 | 3                                                                    | 1                                                                 | 1                                                                    | 0                                                                 | 3                                                                    | 0                                                                 | 3                                                                    |
| 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    |
| 9                                                                 | 0                                                                    | 8                                                                 | 1                                                                    | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    |
| 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| 6                                                                 | 2                                                                    | 6                                                                 | 2                                                                    | 6                                                                 | 2                                                                    | 6                                                                 | 2                                                                    |
| 0                                                                 | 3                                                                    | 0                                                                 | 2                                                                    | 0                                                                 | 3                                                                    | 0                                                                 | 2                                                                    |
| 0                                                                 | 5                                                                    | 0                                                                 | 4                                                                    | 0                                                                 | 5                                                                    | 0                                                                 | 5                                                                    |
| 8                                                                 | 1                                                                    | 8                                                                 | 1                                                                    | 8                                                                 | 1                                                                    | 8                                                                 | 1                                                                    |
| 0                                                                 | 5                                                                    | 0                                                                 | 5                                                                    | 0                                                                 | 4                                                                    | 0                                                                 | 4                                                                    |
| 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| 7                                                                 | 2                                                                    | 7                                                                 | 2                                                                    | 7                                                                 | 2                                                                    | 7                                                                 | 2                                                                    |
| 0                                                                 | 1                                                                    | 0                                                                 | 2                                                                    | 0                                                                 | 2                                                                    | 0                                                                 | 2                                                                    |
| 0                                                                 | 0                                                                    | 0                                                                 | 1                                                                    | 0                                                                 | 1                                                                    | 0                                                                 | 1                                                                    |
| 4                                                                 | 1                                                                    | 4                                                                 | 1                                                                    | 2                                                                 | 3                                                                    | 2                                                                 | 3                                                                    |
| 0                                                                 | 0                                                                    | 0                                                                 | 2                                                                    | 0                                                                 | 2                                                                    | 0                                                                 | 2                                                                    |
| 6                                                                 | 1                                                                    | 5                                                                 | 2                                                                    | 5                                                                 | 2                                                                    | 5                                                                 | 2                                                                    |
| 2                                                                 | 6                                                                    | 3                                                                 | 5                                                                    | 1                                                                 | 7                                                                    | 1                                                                 | 7                                                                    |

### The Center Measures - Control Rankings

| Institutions with Over \$40 Million<br>in Federal Research, Alphabetically |                                                | 2014<br>No. of Measures<br>in Top 25<br>Among<br>Privates/Publics | 2014<br>No. of Measures<br>in Top 26-50<br>Among<br>Privates/Publics | 2013<br>No. of Measures<br>in Top 25<br>Among<br>Privates/Publics | 2013<br>No. of Measures<br>in Top 26-50<br>Among<br>Privates/Publics |
|----------------------------------------------------------------------------|------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------|
| Public                                                                     | University of Vermont                          | 0                                                                 | 0                                                                    | 0                                                                 | 1                                                                    |
| Public                                                                     | University of Virginia                         | 5                                                                 | 4                                                                    | 5                                                                 | 3                                                                    |
| Public                                                                     | University of Washington - Seattle             | 8                                                                 | 1                                                                    | 8                                                                 | 1                                                                    |
| Public                                                                     | University of Wisconsin - Madison              | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    |
| Public                                                                     | University of Wyoming                          | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| Public                                                                     | Utah State University                          | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| Private                                                                    | Vanderbilt University                          | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    |
| Public                                                                     | Virginia Commonwealth University               | 0                                                                 | 3                                                                    | 0                                                                 | 4                                                                    |
| Public                                                                     | Virginia Polytechnic Institute and State Univ. | 2                                                                 | 5                                                                    | 2                                                                 | 4                                                                    |
| Private                                                                    | Wake Forest University                         | 0                                                                 | 7                                                                    | 0                                                                 | 7                                                                    |
| Public                                                                     | Washington State University - Pullman          | 0                                                                 | 4                                                                    | 0                                                                 | 5                                                                    |
| Private                                                                    | Washington University in St. Louis             | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    |
| Public                                                                     | Wayne State University                         | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| Private                                                                    | Weill Cornell Medical College                  | 3                                                                 | 4                                                                    | 1                                                                 | 6                                                                    |
| Public                                                                     | West Virginia University                       | 0                                                                 | 2                                                                    | 0                                                                 | 0                                                                    |
| Private                                                                    | Woods Hole Oceanographic Institution           | 0                                                                 | 4                                                                    | 0                                                                 | 4                                                                    |
| Private                                                                    | Yale University                                | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    |
| Private                                                                    | Yeshiva University                             | 1                                                                 | 7                                                                    | 2                                                                 | 6                                                                    |

| 2012<br>No. of Measures<br>in Top 25<br>Among<br>Privates/Publics | 2012<br>No. of Measures<br>in Top 26-50<br>Among<br>Privates/Publics | 2011<br>No. of Measures<br>in Top 25<br>Among<br>Privates/Publics | 2011<br>No. of Measures<br>in Top 26-50<br>Among<br>Privates/Publics | 2010<br>No. of Measures<br>in Top 25<br>Among<br>Privates/Publics | 2010<br>No. of Measures<br>in Top 26-50<br>Among<br>Privates/Publics | 2009<br>No. of Measures<br>in Top 25<br>Among<br>Privates/Publics | 2009<br>No. of Measures<br>in Top 26-50<br>Among<br>Privates/Publics |
|-------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------|
| 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 1                                                                    | 0                                                                 | 0                                                                    |
| 6                                                                 | 3                                                                    | 5                                                                 | 4                                                                    | 6                                                                 | 3                                                                    | 6                                                                 | 3                                                                    |
| 7                                                                 | 2                                                                    | 7                                                                 | 2                                                                    | 7                                                                 | 2                                                                    | 7                                                                 | 2                                                                    |
| 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    |
| 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| 0                                                                 | 1                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    | 8                                                                 | 1                                                                    |
| 0                                                                 | 3                                                                    | 0                                                                 | 3                                                                    | 0                                                                 | 1                                                                    | 0                                                                 | 3                                                                    |
| 0                                                                 | 8                                                                    | 1                                                                 | 7                                                                    | 0                                                                 | 8                                                                    | 2                                                                 | 6                                                                    |
| 0                                                                 | 7                                                                    | 0                                                                 | 7                                                                    | 0                                                                 | 7                                                                    | 0                                                                 | 7                                                                    |
| 0                                                                 | 3                                                                    | 0                                                                 | 4                                                                    | 0                                                                 | 4                                                                    | 0                                                                 | 3                                                                    |
| 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    |
| 0                                                                 | 1                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 1                                                                    | 0                                                                 | 3                                                                    |
| 2                                                                 | 5                                                                    | 2                                                                 | 5                                                                    | 1                                                                 | 6                                                                    | 0                                                                 | 6                                                                    |
| 0                                                                 | 1                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    | 0                                                                 | 0                                                                    |
| 1                                                                 | 4                                                                    | 1                                                                 | 4                                                                    | 1                                                                 | 4                                                                    | 1                                                                 | 4                                                                    |
| 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    | 9                                                                 | 0                                                                    |
| 2                                                                 | 6                                                                    | 1                                                                 | 7                                                                    | 1                                                                 | 7                                                                    | 3                                                                 | 5                                                                    |

# Federal Research with and without Medical School Research

| Institutions with Over \$40 Million<br>in Federal Research excluding Stand-Alone<br>Medical Schools, Alphabetically |                                             | AAMC<br>Med School | 2012<br>Federal<br>(x1000) | 2012<br>AAMC<br>Fed<br>(x1000) | 2012<br>Rank<br>Incl<br>AAMC | 2012<br>Rank<br>Excl<br>AAMC | 2011<br>Federal<br>(x1000) | 2011<br>AAMC<br>Fed<br>(x1000) | 2011<br>Rank<br>Incl<br>AAMC | 2011<br>Rank<br>Excl<br>AAMC |
|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------|--------------------|----------------------------|--------------------------------|------------------------------|------------------------------|----------------------------|--------------------------------|------------------------------|------------------------------|
| Public                                                                                                              | Arizona State University - Tempe            |                    | 182,188                    | 0                              | 68                           | 38                           | 178,153                    | 0                              | 68                           | 40                           |
| Public                                                                                                              | Auburn University                           |                    | 55,118                     | 0                              | 149                          | 124                          | 59,061                     | 0                              | 146                          | 119                          |
| Private                                                                                                             | Boston University                           | Yes                | 273,204                    | 131,422                        | 44                           | 53                           | 300,923                    | 140,561                        | 40                           | 48                           |
| Private                                                                                                             | Brandeis University                         |                    | 44,061                     | 0                              | 162                          | 137                          | 47,793                     | 0                              | 162                          | 133                          |
| Private                                                                                                             | Brown University                            | Yes                | 127,665                    | 76,219                         | 85                           | 129                          | 123,649                    | 72,951                         | 92                           | 129                          |
| Private                                                                                                             | California Institute of Technology          |                    | 322,295                    | 0                              | 34                           | 18                           | 340,131                    | 0                              | 30                           | 12                           |
| Private                                                                                                             | Carnegie Mellon University                  |                    | 209,307                    | 0                              | 60                           | 35                           | 200,878                    | 0                              | 65                           | 35                           |
| Private                                                                                                             | Case Western Reserve University             | Yes                | 358,722                    | 298,298                        | 26                           | 116                          | 352,938                    | 303,849                        | 28                           | 132                          |
| Public                                                                                                              | Clemson University                          |                    | 48,182                     | 0                              | 157                          | 130                          | 49,365                     | 0                              | 161                          | 131                          |
| Public                                                                                                              | Cleveland State University                  |                    | 46,205                     | 0                              | 159                          | 133                          | 42,292                     | 0                              | 168                          | 141                          |
| Private                                                                                                             | Cold Springs Harbor Laboratory              |                    | 43,874                     | 0                              | 163                          | 138                          | 55,450                     | 0                              | 152                          | 124                          |
| Public                                                                                                              | Colorado State University - Fort Collins    |                    | 245,573                    | 0                              | 53                           | 29                           | 230,661                    | 0                              | 56                           | 32                           |
| Private                                                                                                             | Columbia University                         | Yes                | 631,961                    | 287,097                        | 6                            | 14                           | 634,973                    | 289,566                        | 7                            | 10                           |
| Private                                                                                                             | Cornell University                          |                    | 298,596                    | 0                              | 41                           | 21                           | 314,371                    | 0                              | 37                           | 17                           |
| Private                                                                                                             | Dartmouth College                           | Yes                | 147,218                    | 102,648                        | 79                           | 136                          | 131,518                    | 105,446                        | 87                           | 177                          |
| Private                                                                                                             | Drexel University                           | Yes                | 85,584                     | 14,341                         | 119                          | 106                          | 81,424                     | 15,854                         | 123                          | 108                          |
| Private                                                                                                             | Duke University                             | Yes                | 585,636                    | 360,461                        | 10                           | 34                           | 584,161                    | 390,912                        | 9                            | 37                           |
| Private                                                                                                             | Emory University                            | Yes                | 360,934                    | 282,397                        | 25                           | 95                           | 369,945                    | 323,209                        | 25                           | 135                          |
| Public                                                                                                              | Florida International University            | Yes                | 54,204                     | 2,640                          | 153                          | 128                          | 61,687                     | 3,427                          | 139                          | 122                          |
| Public                                                                                                              | Florida State University                    | Yes                | 131,998                    | 6,630                          | 84                           | 60                           | 136,332                    | 7,008                          | 81                           | 61                           |
| Public                                                                                                              | George Mason University                     |                    | 57,504                     | 0                              | 145                          | 119                          | 61,016                     | 0                              | 141                          | 111                          |
| Private                                                                                                             | George Washington University                | Yes                | 111,068                    | 16,483                         | 96                           | 78                           | 115,463                    | 18,712                         | 99                           | 79                           |
| Private                                                                                                             | Georgetown University                       | Yes                | 113,229                    | 95,331                         | 94                           | 206                          | 122,802                    | 105,877                        | 93                           | 212                          |
| Public                                                                                                              | Georgia Institute of Technology             |                    | 482,349                    | 0                              | 16                           | 3                            | 426,088                    | 0                              | 22                           | 6                            |
| Private                                                                                                             | Harvard University                          | Yes                | 574,346                    | 198,722                        | 11                           | 8                            | 530,908                    | 231,453                        | 14                           | 21                           |
| Public                                                                                                              | Indiana University - Bloomington            |                    | 72,501                     | 0                              | 133                          | 104                          | 69,298                     | 0                              | 136                          | 105                          |
| Public                                                                                                              | Indiana Univ. - Purdue Univ. - Indianapolis | Yes                | 165,374                    | 127,238                        | 73                           | 144                          | 154,966                    | 132,579                        | 77                           | 187                          |
| Public                                                                                                              | Iowa State University                       |                    | 117,144                    | 0                              | 93                           | 63                           | 116,109                    | 0                              | 97                           | 63                           |
| Private                                                                                                             | Johns Hopkins University                    | Yes                | 1,845,845                  | 477,549                        | 1                            | 1                            | 1,875,410                  | 500,765                        | 1                            | 1                            |
| Public                                                                                                              | Kansas State University                     |                    | 73,247                     | 0                              | 131                          | 103                          | 74,414                     | 0                              | 131                          | 101                          |
| Public                                                                                                              | Louisiana State University - Baton Rouge    |                    | 91,238                     | 0                              | 114                          | 85                           | 96,050                     | 0                              | 113                          | 81                           |
| Private                                                                                                             | Massachusetts Institute of Technology       |                    | 478,955                    | 0                              | 18                           | 4                            | 482,544                    | 0                              | 17                           | 3                            |
| Public                                                                                                              | Michigan State University                   | Yes                | 250,416                    | 20,123                         | 52                           | 32                           | 222,937                    | 15,390                         | 60                           | 34                           |
| Public                                                                                                              | Mississippi State University                |                    | 96,132                     | 0                              | 111                          | 77                           | 97,987                     | 0                              | 110                          | 76                           |
| Public                                                                                                              | Montana State University - Bozeman          |                    | 78,409                     | 0                              | 125                          | 96                           | 78,431                     | 0                              | 127                          | 97                           |
| Public                                                                                                              | Naval Postgraduate School                   |                    | 120,209                    | 0                              | 90                           | 61                           | 88,950                     | 0                              | 116                          | 86                           |
| Public                                                                                                              | New Jersey Institute of Technology          |                    | 57,513                     | 0                              | 143                          | 118                          | 52,873                     | 0                              | 157                          | 125                          |
| Public                                                                                                              | New Mexico State University - Las Cruces    |                    | 90,338                     | 0                              | 115                          | 86                           | 90,283                     | 0                              | 115                          | 85                           |
| Private                                                                                                             | New York University                         | Yes                | 300,271                    | 208,694                        | 40                           | 83                           | 289,172                    | 196,162                        | 45                           | 83                           |
| Public                                                                                                              | North Carolina State University             |                    | 171,464                    | 0                              | 72                           | 41                           | 152,790                    | 0                              | 78                           | 50                           |
| Public                                                                                                              | North Dakota State University               |                    | 45,326                     | 0                              | 160                          | 134                          | 52,543                     | 0                              | 159                          | 128                          |
| Private                                                                                                             | Northeastern University                     |                    | 75,733                     | 0                              | 129                          | 100                          | 65,757                     | 0                              | 138                          | 107                          |
| Private                                                                                                             | Northwestern University                     | Yes                | 385,377                    | 228,518                        | 24                           | 50                           | 393,449                    | 230,504                        | 24                           | 46                           |
| Public                                                                                                              | Ohio State University - Columbus            | Yes                | 416,304                    | 53,404                         | 23                           | 10                           | 471,331                    | 63,239                         | 18                           | 7                            |
| Public                                                                                                              | Oklahoma State University - Stillwater      |                    | 85,876                     | 0                              | 118                          | 88                           | 81,855                     | 0                              | 122                          | 92                           |
| Public                                                                                                              | Oregon State University                     |                    | 155,667                    | 0                              | 78                           | 51                           | 146,069                    | 0                              | 79                           | 54                           |
| Public                                                                                                              | Pennsylvania State University - Univ. Park  |                    | 469,597                    | 0                              | 19                           | 5                            | 400,294                    | 0                              | 23                           | 8                            |
| Private                                                                                                             | Princeton University                        |                    | 160,985                    | 0                              | 75                           | 46                           | 162,491                    | 0                              | 73                           | 47                           |
| Public                                                                                                              | Purdue University - West Lafayette          |                    | 255,691                    | 0                              | 51                           | 27                           | 246,116                    | 0                              | 51                           | 26                           |

# The Top American Research Universities

| 2010<br>Federal<br>(x1000) | 2010<br>AAMC<br>Fed<br>(x1000) | 2010<br>Rank<br>Incl<br>AAMC | 2010<br>Rank<br>Excl<br>AAMC | 2009<br>Federal<br>(x1000) | 2009<br>AAMC<br>Fed<br>(x1000) | 2009<br>Rank<br>Incl<br>AAMC | 2009<br>Rank<br>Excl<br>AAMC | 2008<br>Federal<br>(x1000) | 2008<br>AAMC<br>Fed<br>(x1000) | 2008<br>Rank<br>Incl<br>AAMC | 2008<br>Rank<br>Excl<br>AAMC |
|----------------------------|--------------------------------|------------------------------|------------------------------|----------------------------|--------------------------------|------------------------------|------------------------------|----------------------------|--------------------------------|------------------------------|------------------------------|
| 164,890                    | 0                              | 67                           | 39                           | 134,598                    | 0                              | 73                           | 43                           | 125,558                    | 0                              | 75                           | 42                           |
| 53,648                     | 0                              | 147                          | 122                          | 52,911                     | 0                              | 147                          | 114                          | 54,748                     | 0                              | 137                          | 104                          |
| 298,467                    | 134,153                        | 37                           | 40                           | 255,178                    | 105,401                        | 41                           | 37                           | 235,153                    | 105,937                        | 41                           | 41                           |
| 43,282                     | 0                              | 164                          | 136                          | 40,532                     | 0                              | 162                          | 130                          | 38,204                     | 0                              | 167                          | 134                          |
| 120,749                    | 63,118                         | 91                           | 116                          | 93,753                     | 50,890                         | 103                          | 124                          | 95,145                     | 51,140                         | 103                          | 121                          |
| 325,751                    | 0                              | 30                           | 11                           | 305,682                    | 0                              | 26                           | 8                            | 243,624                    | 0                              | 39                           | 15                           |
| 179,136                    | 0                              | 64                           | 35                           | 170,260                    | 0                              | 61                           | 32                           | 170,978                    | 0                              | 59                           | 30                           |
| 333,438                    | 278,053                        | 27                           | 119                          | 313,044                    | 266,866                        | 24                           | 121                          | 305,483                    | 257,483                        | 24                           | 116                          |
| 59,374                     | 0                              | 137                          | 111                          | 55,108                     | 0                              | 139                          | 108                          | 56,535                     | 0                              | 132                          | 98                           |
| 24,894                     | 0                              | 206                          | 175                          | 4,081                      | 0                              | 333                          | 311                          | 5,027                      | 0                              | 311                          | 289                          |
|                            |                                |                              |                              |                            |                                |                              |                              |                            |                                |                              |                              |
| 205,890                    | 0                              | 59                           | 33                           | 211,890                    | 0                              | 50                           | 23                           | 208,925                    | 0                              | 50                           | 24                           |
| 561,531                    | 260,061                        | 8                            | 15                           | 483,111                    | 197,560                        | 9                            | 11                           | 461,029                    | 204,959                        | 11                           | 11                           |
| 290,640                    | 0                              | 40                           | 19                           | 238,022                    | 0                              | 45                           | 19                           | 232,235                    | 0                              | 42                           | 18                           |
| 117,909                    | 89,066                         | 95                           | 158                          | 134,113                    | 80,813                         | 74                           | 112                          | 121,306                    | 82,967                         | 80                           | 133                          |
| 75,339                     | 10,903                         | 122                          | 105                          | 67,620                     | 2,994                          | 124                          | 93                           | 65,198                     | 4,449                          | 125                          | 96                           |
| 513,469                    | 369,411                        | 13                           | 47                           | 438,767                    | 342,178                        | 13                           | 65                           | 451,317                    | 356,804                        | 13                           | 64                           |
| 336,948                    | 293,224                        | 26                           | 135                          | 295,831                    | 256,671                        | 32                           | 133                          | 291,126                    | 238,858                        | 26                           | 109                          |
| 52,784                     | 2,894                          | 149                          | 127                          | 53,647                     | 745                            | 145                          | 115                          | 52,838                     | 0                              | 140                          | 107                          |
| 127,571                    | 5,289                          | 84                           | 61                           | 117,294                    | 3,159                          | 87                           | 53                           | 110,618                    | 1,998                          | 89                           | 54                           |
| 59,591                     | 0                              | 136                          | 110                          | 55,678                     | 0                              | 138                          | 107                          | 50,392                     | 0                              | 144                          | 112                          |
| 120,844                    | 20,309                         | 90                           | 70                           | 88,949                     | 17,830                         | 106                          | 89                           | 119,100                    | 18,167                         | 81                           | 60                           |
| 119,509                    | 99,740                         | 94                           | 190                          | 119,925                    | 102,050                        | 82                           | 181                          | 111,590                    | 94,980                         | 88                           | 185                          |
| 370,532                    | 0                              | 23                           | 7                            | 322,452                    | 0                              | 23                           | 6                            | 281,184                    | 0                              | 28                           | 8                            |
| 467,237                    | 191,087                        | 15                           | 22                           | 385,704                    | 168,954                        | 18                           | 22                           | 383,330                    | 166,674                        | 15                           | 21                           |
| 67,483                     | 0                              | 131                          | 101                          | 78,498                     | 0                              | 114                          | 79                           | 68,345                     | 0                              | 119                          | 86                           |
| 147,375                    | 126,780                        | 76                           | 187                          | 119,060                    | 119,060                        | 83                           | 704                          | 118,366                    | 112,750                        | 82                           | 278                          |
| 108,181                    | 0                              | 99                           | 66                           | 96,483                     | 0                              | 101                          | 66                           | 102,771                    | 0                              | 97                           | 59                           |
| 1,731,818                  | 458,418                        | 1                            | 1                            | 1,587,547                  | 435,127                        | 1                            | 1                            | 1,454,426                  | 407,810                        | 1                            | 1                            |
| 66,400                     | 0                              | 133                          | 103                          | 57,743                     | 0                              | 134                          | 102                          | 52,984                     | 0                              | 139                          | 106                          |
| 94,611                     | 0                              | 110                          | 78                           | 86,546                     | 0                              | 109                          | 73                           | 78,695                     | 0                              | 113                          | 80                           |
| 451,050                    | 0                              | 17                           | 3                            | 532,618                    | 0                              | 4                            | 2                            | 495,008                    | 0                              | 5                            | 2                            |
| 198,735                    | 9,065                          | 60                           | 34                           | 164,198                    | 8,604                          | 63                           | 35                           | 152,907                    | 9,737                          | 65                           | 37                           |
| 105,224                    | 0                              | 102                          | 68                           | 102,903                    | 0                              | 97                           | 59                           | 105,327                    | 0                              | 95                           | 57                           |
| 84,735                     | 0                              | 114                          | 84                           | 71,620                     | 0                              | 121                          | 87                           | 70,386                     | 0                              | 116                          | 83                           |
| 86,765                     | 0                              | 113                          | 83                           | 75,825                     | 0                              | 116                          | 81                           | 82,302                     | 0                              | 109                          | 74                           |
| 47,832                     | 0                              | 158                          | 130                          | 42,656                     | 0                              | 157                          | 126                          | 40,087                     | 0                              | 165                          | 132                          |
| 98,050                     | 0                              | 105                          | 71                           | 88,707                     | 0                              | 107                          | 70                           | 86,636                     | 0                              | 106                          | 69                           |
| 250,006                    | 178,694                        | 48                           | 98                           | 202,535                    | 139,231                        | 53                           | 94                           | 199,363                    | 137,762                        | 52                           | 95                           |
| 137,124                    | 0                              | 78                           | 50                           | 135,318                    | 0                              | 71                           | 42                           | 131,412                    | 0                              | 71                           | 39                           |
| 51,198                     | 0                              | 155                          | 125                          | 43,614                     | 0                              | 154                          | 122                          | 50,038                     | 0                              | 146                          | 114                          |
| 56,727                     | 0                              | 142                          | 118                          | 38,178                     | 0                              | 167                          | 137                          | 36,497                     | 0                              | 168                          | 137                          |
| 356,193                    | 204,824                        | 24                           | 45                           | 300,619                    | 160,176                        | 28                           | 41                           | 264,984                    | 149,359                        | 34                           | 50                           |
| 384,633                    | 48,115                         | 21                           | 8                            | 339,820                    | 53,699                         | 21                           | 10                           | 335,121                    | 50,679                         | 21                           | 7                            |
| 56,998                     | 0                              | 141                          | 117                          | 39,517                     | 0                              | 164                          | 132                          | 41,051                     | 0                              | 161                          | 128                          |
| 135,081                    | 0                              | 79                           | 52                           | 118,252                    | 0                              | 85                           | 50                           | 113,614                    | 0                              | 85                           | 51                           |
| 410,238                    | 0                              | 19                           | 4                            | 386,635                    | 0                              | 17                           | 3                            | 359,738                    | 0                              | 19                           | 3                            |
| 149,164                    | 0                              | 75                           | 46                           | 128,876                    | 0                              | 77                           | 44                           | 125,102                    | 0                              | 76                           | 43                           |
| 221,679                    | 0                              | 54                           | 28                           | 175,302                    | 0                              | 59                           | 31                           | 176,592                    | 0                              | 57                           | 29                           |

### Federal Research with and without Medical School Research

| Institutions with Over \$40 Million<br>in Federal Research excluding Stand Alone<br>Medical Schools, Alphabetically |                                           | AAMC<br>Med School | 2012<br>Federal<br>(x1000) | 2012<br>AAMC<br>Fed<br>(x1000) | 2012<br>Rank<br>Incl<br>AAMC | 2012<br>Rank<br>Excl<br>AAMC | 2011<br>Federal<br>(x1000) | 2011<br>AAMC<br>Fed<br>(x1000) | 2011<br>Rank<br>Incl<br>AAMC | 2011<br>Rank<br>Excl<br>AAMC |
|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------|----------------------------|--------------------------------|------------------------------|------------------------------|----------------------------|--------------------------------|------------------------------|------------------------------|
| Private                                                                                                             | Rensselaer Polytechnic Institute          |                    | 62,063                     | 0                              | 139                          | 114                          | 58,951                     | 0                              | 148                          | 120                          |
| Private                                                                                                             | Rice University                           |                    | 76,431                     | 0                              | 128                          | 99                           | 78,249                     | 0                              | 128                          | 98                           |
| Private                                                                                                             | Rockefeller University                    |                    | 84,616                     | 0                              | 121                          | 90                           | 97,710                     | 0                              | 111                          | 77                           |
| Public                                                                                                              | Rutgers University - New Brunswick        |                    | 273,498                    | 0                              | 43                           | 23                           | 235,178                    | 0                              | 54                           | 31                           |
| Public                                                                                                              | San Diego State University                |                    | 51,690                     | 0                              | 155                          | 127                          | 59,769                     | 0                              | 143                          | 114                          |
| Private                                                                                                             | Scripps Research Institute                |                    | 309,471                    | 0                              | 36                           | 20                           | 317,201                    | 0                              | 36                           | 16                           |
| Public                                                                                                              | South Dakota State University             |                    | 41,941                     | 0                              | 164                          | 140                          | 41,876                     | 0                              | 170                          | 142                          |
| Private                                                                                                             | Stanford University                       | Yes                | 607,578                    | 366,588                        | 8                            | 30                           | 633,287                    | 392,135                        | 8                            | 28                           |
| Public                                                                                                              | Stony Brook University                    | Yes                | 123,198                    | 54,141                         | 89                           | 109                          | 124,938                    | 49,688                         | 89                           | 100                          |
| Public                                                                                                              | Temple University                         | Yes                | 85,062                     | 38,434                         | 120                          | 132                          | 84,581                     | 37,870                         | 119                          | 136                          |
| Public                                                                                                              | Texas A&M University - College Station    |                    | 259,506                    | 0                              | 50                           | 26                           | 281,063                    | 0                              | 47                           | 22                           |
| Private                                                                                                             | Tufts University                          | Yes                | 120,042                    | 38,601                         | 92                           | 94                           | 120,864                    | 41,388                         | 95                           | 94                           |
| Private                                                                                                             | Tulane University                         | Yes                | 101,130                    | 25,972                         | 108                          | 102                          | 110,222                    | 26,242                         | 103                          | 91                           |
| Public                                                                                                              | University at Albany                      |                    | 112,161                    | 0                              | 95                           | 65                           | 124,848                    | 0                              | 90                           | 62                           |
| Public                                                                                                              | University at Buffalo                     | Yes                | 186,747                    | 28,225                         | 67                           | 49                           | 176,923                    | 30,378                         | 69                           | 52                           |
| Public                                                                                                              | University of Alabama - Birmingham        | Yes                | 303,677                    | 194,865                        | 39                           | 69                           | 340,342                    | 224,432                        | 29                           | 64                           |
| Public                                                                                                              | University of Alabama - Huntsville        |                    | 75,715                     | 0                              | 130                          | 101                          | 70,197                     | 0                              | 134                          | 103                          |
| Public                                                                                                              | University of Alaska - Fairbanks          |                    | 97,472                     | 0                              | 110                          | 76                           | 100,638                    | 0                              | 107                          | 72                           |
| Public                                                                                                              | University of Arizona                     | Yes                | 328,369                    | 54,346                         | 33                           | 22                           | 324,751                    | 53,239                         | 35                           | 23                           |
| Public                                                                                                              | University of California - Berkeley       |                    | 333,179                    | 0                              | 30                           | 16                           | 326,120                    | 0                              | 34                           | 15                           |
| Public                                                                                                              | University of California - Davis          | Yes                | 356,540                    | 89,309                         | 27                           | 24                           | 359,704                    | 93,294                         | 27                           | 24                           |
| Public                                                                                                              | University of California - Irvine         | Yes                | 204,062                    | 65,708                         | 62                           | 55                           | 204,134                    | 65,322                         | 63                           | 56                           |
| Public                                                                                                              | University of California - Los Angeles    | Yes                | 527,899                    | 292,433                        | 14                           | 31                           | 545,882                    | 304,724                        | 13                           | 27                           |
| Public                                                                                                              | University of California - Riverside      |                    | 61,304                     | 0                              | 141                          | 115                          | 59,351                     | 0                              | 145                          | 117                          |
| Public                                                                                                              | University of California - San Diego      | Yes                | 653,549                    | 281,874                        | 5                            | 9                            | 635,223                    | 278,345                        | 6                            | 9                            |
| Public                                                                                                              | University of California - Santa Barbara  |                    | 134,984                    | 0                              | 82                           | 57                           | 132,490                    | 0                              | 86                           | 59                           |
| Public                                                                                                              | University of California - Santa Cruz     |                    | 91,409                     | 0                              | 113                          | 84                           | 95,015                     | 0                              | 114                          | 82                           |
| Public                                                                                                              | University of Central Florida             | Yes                | 72,620                     | 7,555                          | 132                          | 110                          | 66,736                     | 8,220                          | 137                          | 121                          |
| Private                                                                                                             | University of Chicago                     | Yes                | 329,119                    | 195,640                        | 31                           | 59                           | 365,824                    | 217,273                        | 26                           | 51                           |
| Public                                                                                                              | University of Cincinnati - Cincinnati     | Yes                | 266,507                    | 105,764                        | 48                           | 47                           | 286,003                    | 119,635                        | 46                           | 43                           |
| Public                                                                                                              | University of Colorado - Boulder          |                    | 319,019                    | 0                              | 35                           | 19                           | 313,531                    | 0                              | 38                           | 18                           |
| Public                                                                                                              | University of Colorado - Denver           | Yes                | 308,023                    | 172,565                        | 37                           | 56                           | 299,230                    | 166,799                        | 41                           | 60                           |
| Public                                                                                                              | University of Connecticut - Storrs        |                    | 88,834                     | 0                              | 116                          | 87                           | 84,901                     | 0                              | 118                          | 90                           |
| Private                                                                                                             | University of Dayton                      |                    | 64,369                     | 0                              | 138                          | 112                          | 69,847                     | 0                              | 135                          | 104                          |
| Public                                                                                                              | University of Delaware                    |                    | 110,760                    | 0                              | 97                           | 66                           | 112,523                    | 0                              | 102                          | 68                           |
| Public                                                                                                              | University of Florida                     | Yes                | 295,745                    | 104,207                        | 42                           | 37                           | 296,950                    | 103,316                        | 42                           | 36                           |
| Public                                                                                                              | University of Georgia                     |                    | 133,525                    | 0                              | 83                           | 58                           | 134,273                    | 0                              | 83                           | 58                           |
| Public                                                                                                              | University of Hawaii - Manoa              | Yes                | 193,722                    | 31,645                         | 66                           | 44                           | 201,700                    | 29,341                         | 64                           | 41                           |
| Public                                                                                                              | University of Houston - University Park   |                    | 54,657                     | 0                              | 151                          | 125                          | 57,090                     | 0                              | 150                          | 123                          |
| Public                                                                                                              | University of Idaho                       |                    | 53,765                     | 0                              | 154                          | 126                          | 52,812                     | 0                              | 158                          | 127                          |
| Public                                                                                                              | University of Illinois - Chicago          | Yes                | 243,622                    | 103,123                        | 54                           | 54                           | 245,323                    | 99,175                         | 52                           | 53                           |
| Public                                                                                                              | University of Illinois - Urbana-Champaign |                    | 348,536                    | 0                              | 28                           | 12                           | 312,796                    | 0                              | 39                           | 19                           |
| Public                                                                                                              | University of Iowa                        | Yes                | 265,780                    | 98,803                         | 49                           | 43                           | 280,989                    | 111,828                        | 48                           | 42                           |
| Public                                                                                                              | University of Kansas - Lawrence           |                    | 99,034                     | 0                              | 109                          | 75                           | 78,884                     | 0                              | 126                          | 96                           |
| Public                                                                                                              | University of Kentucky                    | Yes                | 157,813                    | 64,628                         | 77                           | 82                           | 175,801                    | 72,873                         | 70                           | 71                           |
| Public                                                                                                              | University of Louisville                  | Yes                | 79,252                     | 44,775                         | 124                          | 151                          | 84,557                     | 47,398                         | 120                          | 150                          |
| Public                                                                                                              | University of Maryland - Baltimore County |                    | 44,669                     | 0                              | 161                          | 135                          | 61,110                     | 0                              | 140                          | 110                          |
| Public                                                                                                              | University of Maryland - College Park     |                    | 340,180                    | 0                              | 29                           | 15                           | 333,879                    | 0                              | 33                           | 14                           |
| Public                                                                                                              | University of Massachusetts - Amherst     |                    | 106,470                    | 0                              | 104                          | 71                           | 106,315                    | 0                              | 104                          | 69                           |

## The Top American Research Universities

| 2010<br>Federal<br>(x1000) | 2010<br>AAMC<br>Fed<br>(x1000) | 2010<br>Rank<br>Incl<br>AAMC | 2010<br>Rank<br>Excl<br>AAMC | 2009<br>Federal<br>(x1000) | 2009<br>AAMC<br>Fed<br>(x1000) | 2009<br>Rank<br>Incl<br>AAMC | 2009<br>Rank<br>Excl<br>AAMC | 2008<br>Federal<br>(x1000) | 2008<br>AAMC<br>Fed<br>(x1000) | 2008<br>Rank<br>Incl<br>AAMC | 2008<br>Rank<br>Excl<br>AAMC |
|----------------------------|--------------------------------|------------------------------|------------------------------|----------------------------|--------------------------------|------------------------------|------------------------------|----------------------------|--------------------------------|------------------------------|------------------------------|
| 54,559                     | 0                              | 145                          | 120                          | 48,216                     | 0                              | 151                          | 118                          | 47,109                     | 0                              | 148                          | 117                          |
| 69,176                     | 0                              | 129                          | 100                          | 56,270                     | 0                              | 137                          | 106                          | 54,959                     | 0                              | 136                          | 102                          |
| 88,705                     | 0                              | 112                          | 81                           | 73,906                     | 0                              | 117                          | 84                           | 81,557                     | 0                              | 111                          | 77                           |
| 218,910                    | 0                              | 56                           | 30                           | 151,122                    | 0                              | 65                           | 36                           | 130,932                    | 0                              | 72                           | 40                           |
| 53,746                     | 0                              | 146                          | 121                          | 42,736                     | 0                              | 156                          | 125                          | 36,267                     | 0                              | 169                          | 138                          |
| 313,746                    | 0                              | 33                           | 12                           | 288,388                    | 0                              | 33                           | 9                            | 265,657                    | 0                              | 33                           | 9                            |
| 38,309                     | 0                              | 168                          | 142                          | 24,303                     | 0                              | 187                          | 156                          | 20,912                     | 0                              | 205                          | 167                          |
| 576,553                    | 341,664                        | 7                            | 27                           | 477,507                    | 273,540                        | 10                           | 24                           | 509,477                    | 288,014                        | 4                            | 19                           |
| 120,090                    | 46,875                         | 92                           | 95                           | 107,396                    | 49,773                         | 94                           | 103                          | 106,419                    | 60,203                         | 93                           | 119                          |
| 76,170                     | 37,164                         | 121                          | 141                          | 65,126                     | 39,479                         | 125                          | 152                          | 58,686                     | 33,736                         | 130                          | 152                          |
| 276,977                    | 0                              | 44                           | 21                           | 261,491                    | 0                              | 39                           | 15                           | 245,607                    | 0                              | 38                           | 14                           |
| 115,159                    | 39,698                         | 97                           | 93                           | 102,330                    | 37,133                         | 98                           | 92                           | 95,620                     | 32,701                         | 101                          | 93                           |
| 106,021                    | 23,775                         | 100                          | 85                           | 109,269                    | 21,823                         | 92                           | 71                           | 109,152                    | 26,307                         | 90                           | 73                           |
| 123,404                    | 0                              | 86                           | 60                           | 96,910                     | 0                              | 100                          | 64                           | 108,747                    | 0                              | 91                           | 53                           |
| 164,477                    | 27,032                         | 68                           | 49                           | 152,146                    | 36,185                         | 64                           | 51                           | 155,340                    | 34,989                         | 63                           | 45                           |
| 320,704                    | 206,317                        | 32                           | 63                           | 300,130                    | 208,814                        | 29                           | 69                           | 303,084                    | 208,884                        | 25                           | 65                           |
| 71,461                     | 0                              | 128                          | 97                           | 53,893                     | 0                              | 143                          | 110                          | 47,068                     | 0                              | 149                          | 118                          |
| 97,889                     | 0                              | 106                          | 73                           | 105,885                    | 0                              | 96                           | 57                           | 105,914                    | 0                              | 94                           | 56                           |
| 307,038                    | 48,792                         | 34                           | 23                           | 287,889                    | 63,834                         | 35                           | 21                           | 277,897                    | 65,089                         | 29                           | 23                           |
| 303,201                    | 0                              | 35                           | 14                           | 262,069                    | 0                              | 38                           | 14                           | 249,163                    | 0                              | 37                           | 12                           |
| 329,041                    | 87,440                         | 29                           | 25                           | 295,924                    | 102,664                        | 31                           | 27                           | 268,957                    | 88,605                         | 31                           | 28                           |
| 189,343                    | 59,931                         | 63                           | 57                           | 177,098                    | 79,166                         | 58                           | 62                           | 178,299                    | 80,828                         | 56                           | 63                           |
| 522,423                    | 271,582                        | 11                           | 24                           | 467,505                    | 289,328                        | 11                           | 30                           | 471,932                    | 285,132                        | 10                           | 27                           |
| 58,159                     | 0                              | 139                          | 114                          | 53,971                     | 0                              | 141                          | 109                          | 53,780                     | 0                              | 138                          | 105                          |
| 578,889                    | 244,303                        | 6                            | 9                            | 511,428                    | 269,074                        | 5                            | 17                           | 490,963                    | 257,731                        | 6                            | 17                           |
| 127,696                    | 0                              | 83                           | 58                           | 113,837                    | 0                              | 90                           | 54                           | 111,601                    | 0                              | 87                           | 52                           |
| 81,598                     | 0                              | 116                          | 86                           | 76,085                     | 0                              | 115                          | 80                           | 69,742                     | 0                              | 118                          | 85                           |
| 67,795                     | 6,653                          | 130                          | 107                          | 65,042                     | 6,473                          | 126                          | 101                          | 55,771                     | 0                              | 133                          | 100                          |
| 348,537                    | 211,861                        | 25                           | 51                           | 301,159                    | 185,507                        | 27                           | 52                           | 284,616                    | 178,666                        | 27                           | 55                           |
| 261,982                    | 118,420                        | 47                           | 48                           | 229,324                    | 109,009                        | 48                           | 48                           | 221,186                    | 101,749                        | 46                           | 46                           |
| 282,008                    | 0                              | 42                           | 20                           | 239,687                    | 0                              | 44                           | 18                           | 219,556                    | 0                              | 47                           | 20                           |
| 275,573                    | 150,302                        | 45                           | 59                           | 256,007                    | 196,493                        | 40                           | 100                          | 213,761                    | 193,664                        | 49                           | 170                          |
| 73,359                     | 0                              | 124                          | 94                           | 51,887                     | 0                              | 149                          | 116                          | 58,460                     | 0                              | 131                          | 97                           |
| 72,567                     | 0                              | 125                          | 96                           | 70,469                     | 0                              | 122                          | 90                           | 64,515                     | 0                              | 126                          | 90                           |
| 102,637                    | 0                              | 103                          | 69                           | 87,090                     | 0                              | 108                          | 72                           | 84,628                     | 0                              | 107                          | 71                           |
| 269,765                    | 92,345                         | 46                           | 36                           | 232,737                    | 83,936                         | 47                           | 38                           | 230,999                    | 82,683                         | 44                           | 36                           |
| 116,625                    | 0                              | 96                           | 62                           | 106,932                    | 0                              | 95                           | 56                           | 102,817                    | 0                              | 96                           | 58                           |
| 196,275                    | 30,377                         | 62                           | 38                           | 203,453                    | 34,740                         | 52                           | 33                           | 194,508                    | 29,104                         | 55                           | 32                           |
| 50,148                     | 0                              | 156                          | 126                          | 40,020                     | 0                              | 163                          | 131                          | 43,162                     | 0                              | 158                          | 125                          |
| 45,082                     | 0                              | 161                          | 132                          | 42,207                     | 0                              | 159                          | 127                          | 45,301                     | 0                              | 153                          | 120                          |
| 229,131                    | 96,887                         | 51                           | 54                           | 196,702                    | 0                              | 54                           | 25                           | 196,520                    | 0                              | 53                           | 25                           |
| 294,236                    | 0                              | 38                           | 16                           | 288,013                    | 95,530                         | 34                           | 28                           | 266,912                    | 97,456                         | 32                           | 31                           |
| 280,089                    | 112,563                        | 43                           | 37                           | 252,336                    | 132,337                        | 42                           | 49                           | 229,903                    | 130,109                        | 45                           | 61                           |
| 81,211                     | 0                              | 117                          | 87                           | 73,139                     | 0                              | 119                          | 85                           | 67,379                     | 0                              | 121                          | 88                           |
| 167,192                    | 70,615                         | 66                           | 75                           | 145,483                    | 72,429                         | 68                           | 86                           | 154,811                    | 72,897                         | 64                           | 75                           |
| 83,593                     | 45,444                         | 115                          | 143                          | 72,770                     | 48,576                         | 120                          | 159                          | 72,711                     | 50,727                         | 115                          | 161                          |
| 58,597                     | 0                              | 138                          | 113                          | 53,867                     | 0                              | 144                          | 111                          | 50,561                     | 0                              | 143                          | 111                          |
| 293,835                    | 0                              | 39                           | 17                           | 246,985                    | 0                              | 43                           | 16                           | 236,417                    | 0                              | 40                           | 16                           |
| 97,131                     | 0                              | 107                          | 74                           | 80,163                     | 0                              | 112                          | 77                           | 79,736                     | 0                              | 112                          | 79                           |

### Federal Research with and without Medical School Research

| Institutions with Over \$40 Million<br>in Federal Research excluding Stand Alone<br>Medical Schools, Alphabetically |                                              | AAMC<br>Med School | 2012<br>Federal<br>(x1000) | 2012<br>AAMC<br>Fed<br>(x1000) | 2012<br>Rank<br>Incl<br>AAMC | 2012<br>Rank<br>Excl<br>AAMC | 2011<br>Federal<br>(x1000) | 2011<br>AAMC<br>Fed<br>(x1000) | 2011<br>Rank<br>Incl<br>AAMC | 2011<br>Rank<br>Excl<br>AAMC |
|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------------------|----------------------------|--------------------------------|------------------------------|------------------------------|----------------------------|--------------------------------|------------------------------|------------------------------|
| Private                                                                                                             | University of Miami                          | Yes                | 222,535                    | 137,831                        | 58                           | 89                           | 223,870                    | 136,436                        | 59                           | 89                           |
| Public                                                                                                              | University of Michigan - Ann Arbor           | Yes                | 773,766                    | 346,182                        | 3                            | 6                            | 801,194                    | 370,081                        | 3                            | 5                            |
| Public                                                                                                              | University of Minnesota - Twin Cities        | Yes                | 480,531                    | 133,996                        | 17                           | 13                           | 482,639                    | 139,542                        | 16                           | 11                           |
| Public                                                                                                              | University of Missouri - Columbia            | Yes                | 110,446                    | 17,060                         | 99                           | 81                           | 113,072                    | 15,628                         | 100                          | 78                           |
| Public                                                                                                              | University of Nebraska - Lincoln             |                    | 103,294                    | 0                              | 106                          | 72                           | 104,240                    | 0                              | 105                          | 70                           |
| Public                                                                                                              | University of Nevada - Reno                  | Yes                | 55,150                     | 12,733                         | 148                          | 139                          | 55,374                     | 11,776                         | 153                          | 139                          |
| Public                                                                                                              | University of New Hampshire - Durham         |                    | 109,728                    | 0                              | 102                          | 68                           | 96,552                     | 0                              | 112                          | 80                           |
| Public                                                                                                              | University of New Mexico - Albuquerque       | Yes                | 159,302                    | 58,742                         | 76                           | 74                           | 161,950                    | 62,738                         | 74                           | 75                           |
| Public                                                                                                              | University of North Carolina - Chapel Hill   | Yes                | 597,629                    | 245,751                        | 9                            | 11                           | 559,620                    | 251,344                        | 12                           | 20                           |
| Public                                                                                                              | University of North Dakota                   | Yes                | 54,411                     | 7,075                          | 152                          | 131                          | 53,913                     | 10,399                         | 156                          | 140                          |
| Private                                                                                                             | University of Notre Dame                     |                    | 82,244                     | 0                              | 123                          | 93                           | 79,003                     | 0                              | 125                          | 95                           |
| Public                                                                                                              | University of Oklahoma - Norman              |                    | 64,427                     | 0                              | 137                          | 111                          | 46,027                     | 0                              | 164                          | 137                          |
| Public                                                                                                              | University of Oregon                         |                    | 71,157                     | 0                              | 134                          | 107                          | 71,344                     | 0                              | 133                          | 102                          |
| Private                                                                                                             | University of Pennsylvania                   | Yes                | 656,425                    | 409,124                        | 4                            | 28                           | 689,571                    | 452,788                        | 4                            | 29                           |
| Public                                                                                                              | University of Pittsburgh - Pittsburgh        | Yes                | 620,070                    | 394,640                        | 7                            | 33                           | 647,060                    | 418,674                        | 5                            | 33                           |
| Public                                                                                                              | University of Rhode Island                   |                    | 78,194                     | 0                              | 126                          | 97                           | 77,668                     | 0                              | 129                          | 99                           |
| Private                                                                                                             | University of Rochester                      | Yes                | 307,390                    | 163,923                        | 38                           | 52                           | 337,312                    | 199,475                        | 31                           | 57                           |
| Public                                                                                                              | University of South Carolina - Columbia      | Yes                | 93,237                     | 9,631                          | 112                          | 91                           | 100,045                    | 8,926                          | 108                          | 84                           |
| Public                                                                                                              | University of South Florida - Tampa          | Yes                | 218,772                    | 58,598                         | 59                           | 48                           | 220,931                    | 57,717                         | 61                           | 45                           |
| Private                                                                                                             | University of Southern California            | Yes                | 433,136                    | 172,842                        | 20                           | 25                           | 443,458                    | 184,567                        | 20                           | 25                           |
| Public                                                                                                              | University of Tennessee - Knoxville          |                    | 103,147                    | 0                              | 107                          | 73                           | 99,712                     | 0                              | 109                          | 74                           |
| Public                                                                                                              | University of Texas - Austin                 |                    | 328,560                    | 0                              | 32                           | 17                           | 334,240                    | 0                              | 32                           | 13                           |
| Public                                                                                                              | University of Utah                           | Yes                | 271,629                    | 94,348                         | 46                           | 40                           | 263,623                    | 107,253                        | 50                           | 49                           |
| Public                                                                                                              | University of Vermont                        | Yes                | 87,843                     | 58,658                         | 117                          | 164                          | 101,465                    | 71,374                         | 106                          | 165                          |
| Public                                                                                                              | University of Virginia                       | Yes                | 225,558                    | 114,932                        | 57                           | 67                           | 227,937                    | 139,376                        | 58                           | 87                           |
| Public                                                                                                              | University of Washington - Seattle           | Yes                | 876,941                    | 374,242                        | 2                            | 2                            | 921,399                    | 382,358                        | 2                            | 2                            |
| Public                                                                                                              | University of Wisconsin - Madison            | Yes                | 557,688                    | 136,066                        | 13                           | 7                            | 568,389                    | 135,216                        | 11                           | 4                            |
| Public                                                                                                              | University of Wyoming                        |                    | 55,663                     | 0                              | 147                          | 123                          | 47,782                     | 0                              | 163                          | 134                          |
| Public                                                                                                              | Utah State University                        |                    | 107,054                    | 0                              | 103                          | 70                           | 112,611                    | 0                              | 101                          | 67                           |
| Private                                                                                                             | Vanderbilt University                        | Yes                | 430,445                    | 336,334                        | 22                           | 80                           | 434,213                    | 346,139                        | 21                           | 88                           |
| Public                                                                                                              | Virginia Commonwealth University             | Yes                | 124,836                    | 53,683                         | 88                           | 108                          | 134,431                    | 71,425                         | 82                           | 109                          |
| Public                                                                                                              | Virginia Polytechnic Institute and St. Univ. |                    | 181,371                    | 0                              | 69                           | 39                           | 187,269                    | 0                              | 67                           | 38                           |
| Private                                                                                                             | Wake Forest University                       | Yes                | 172,779                    | 165,233                        | 70                           | 278                          | 173,004                    | 165,910                        | 71                           | 283                          |
| Public                                                                                                              | Washington State University - Pullman        |                    | 120,146                    | 0                              | 91                           | 62                           | 115,775                    | 0                              | 98                           | 65                           |
| Private                                                                                                             | Washington University in St. Louis           | Yes                | 432,434                    | 361,056                        | 21                           | 105                          | 460,282                    | 410,839                        | 19                           | 130                          |
| Public                                                                                                              | Wayne State University                       | Yes                | 125,965                    | 69,446                         | 86                           | 122                          | 133,925                    | 74,667                         | 85                           | 118                          |
| Public                                                                                                              | West Virginia University                     | Yes                | 77,981                     | 13,679                         | 127                          | 113                          | 84,061                     | 17,455                         | 121                          | 106                          |
| Private                                                                                                             | Woods Hole Oceanographic Institution         |                    | 161,115                    | 0                              | 74                           | 45                           | 165,819                    | 0                              | 72                           | 44                           |
| Private                                                                                                             | Yale University                              | Yes                | 517,072                    | 400,686                        | 15                           | 64                           | 518,195                    | 404,222                        | 15                           | 66                           |
| Private                                                                                                             | Yeshiva University                           | Yes                | 201,397                    | 192,659                        | 64                           | 266                          | 192,241                    | 181,071                        | 66                           | 248                          |

## The Top American Research Universities

| 2010<br>Federal<br>(x1000) | 2010<br>AAMC<br>Fed<br>(x1000) | 2010<br>Rank<br>Incl<br>AAMC | 2010<br>Rank<br>Excl<br>AAMC | 2009<br>Federal<br>(x1000) | 2009<br>AAMC<br>Fed<br>(x1000) | 2009<br>Rank<br>Incl<br>AAMC | 2009<br>Rank<br>Excl<br>AAMC | 2008<br>Federal<br>(x1000) | 2008<br>AAMC<br>Fed<br>(x1000) | 2008<br>Rank<br>Incl<br>AAMC | 2008<br>Rank<br>Excl<br>AAMC |
|----------------------------|--------------------------------|------------------------------|------------------------------|----------------------------|--------------------------------|------------------------------|------------------------------|----------------------------|--------------------------------|------------------------------|------------------------------|
| 196,435                    | 115,323                        | 61                           | 88                           | 172,000                    | 103,252                        | 60                           | 91                           | 165,986                    | 98,129                         | 62                           | 87                           |
| 729,779                    | 345,361                        | 3                            | 6                            | 636,216                    | 286,426                        | 2                            | 5                            | 592,768                    | 266,389                        | 3                            | 5                            |
| 420,102                    | 128,154                        | 18                           | 18                           | 390,602                    | 115,760                        | 16                           | 12                           | 364,137                    | 117,457                        | 18                           | 13                           |
| 113,362                    | 15,333                         | 98                           | 72                           | 118,998                    | 18,229                         | 84                           | 60                           | 108,131                    | 20,453                         | 92                           | 68                           |
| 95,190                     | 0                              | 109                          | 77                           | 83,702                     | 0                              | 111                          | 75                           | 81,884                     | 0                              | 110                          | 76                           |
| 58,115                     | 12,524                         | 140                          | 131                          | 63,709                     | 16,937                         | 128                          | 120                          | 66,165                     | 18,013                         | 124                          | 115                          |
| 76,191                     | 0                              | 120                          | 92                           | 78,633                     | 0                              | 113                          | 78                           | 83,769                     | 0                              | 108                          | 72                           |
| 147,003                    | 60,070                         | 77                           | 82                           | 133,334                    | 57,740                         | 75                           | 82                           | 134,783                    | 58,510                         | 70                           | 81                           |
| 541,910                    | 233,896                        | 9                            | 13                           | 431,837                    | 250,398                        | 14                           | 29                           | 373,098                    | 211,901                        | 17                           | 34                           |
| 52,381                     | 9,268                          | 151                          | 137                          | 49,215                     | 10,188                         | 150                          | 134                          | 46,620                     | 9,760                          | 152                          | 136                          |
| 61,645                     | 0                              | 134                          | 106                          | 57,425                     | 0                              | 135                          | 104                          | 66,812                     | 0                              | 123                          | 89                           |
| 52,332                     | 0                              | 152                          | 123                          | 41,900                     | 0                              | 160                          | 128                          | 40,294                     | 0                              | 164                          | 131                          |
| 66,809                     | 0                              | 132                          | 102                          | 61,464                     | 0                              | 129                          | 96                           | 55,190                     | 0                              | 134                          | 101                          |
| 626,816                    | 405,900                        | 4                            | 29                           | 499,498                    | 370,813                        | 7                            | 45                           | 482,321                    | 359,544                        | 7                            | 44                           |
| 581,148                    | 372,591                        | 5                            | 31                           | 463,192                    | 307,440                        | 12                           | 34                           | 456,172                    | 296,464                        | 12                           | 35                           |
| 60,963                     | 0                              | 135                          | 109                          | 57,148                     | 0                              | 136                          | 105                          | 50,377                     | 0                              | 145                          | 113                          |
| 321,258                    | 187,134                        | 31                           | 53                           | 295,963                    | 169,245                        | 30                           | 47                           | 276,268                    | 159,069                        | 30                           | 48                           |
| 119,890                    | 9,742                          | 93                           | 64                           | 107,504                    | 9,601                          | 93                           | 63                           | 98,576                     | 7,492                          | 99                           | 66                           |
| 219,634                    | 68,057                         | 55                           | 44                           | 190,949                    | 45,526                         | 57                           | 40                           | 169,911                    | 5,408                          | 60                           | 33                           |
| 402,372                    | 164,025                        | 20                           | 26                           | 375,024                    | 148,793                        | 20                           | 20                           | 348,713                    | 133,029                        | 20                           | 22                           |
| 96,018                     | 0                              | 108                          | 76                           | 91,706                     | 0                              | 105                          | 68                           | 70,034                     | 0                              | 117                          | 84                           |
| 331,439                    | 0                              | 28                           | 10                           | 309,125                    | 0                              | 25                           | 7                            | 324,287                    | 0                              | 23                           | 6                            |
| 226,489                    | 95,623                         | 52                           | 56                           | 192,354                    | 91,997                         | 56                           | 61                           | 171,737                    | 85,579                         | 58                           | 70                           |
| 98,588                     | 67,419                         | 104                          | 154                          | 92,555                     | 63,612                         | 104                          | 147                          | 89,717                     | 64,306                         | 104                          | 150                          |
| 224,607                    | 135,823                        | 53                           | 80                           | 218,499                    | 144,401                        | 49                           | 83                           | 219,429                    | 155,074                        | 48                           | 91                           |
| 809,433                    | 342,230                        | 2                            | 2                            | 619,353                    | 354,394                        | 3                            | 13                           | 614,069                    | 356,840                        | 2                            | 10                           |
| 522,473                    | 124,616                        | 10                           | 5                            | 507,898                    | 146,691                        | 6                            | 4                            | 474,440                    | 140,657                        | 8                            | 4                            |
| 44,026                     | 0                              | 162                          | 133                          | 29,479                     | 0                              | 175                          | 145                          | 28,372                     | 0                              | 181                          | 145                          |
| 89,750                     | 0                              | 111                          | 79                           | 84,082                     | 0                              | 110                          | 74                           | 88,884                     | 0                              | 105                          | 67                           |
| 377,185                    | 300,343                        | 22                           | 91                           | 336,405                    | 265,123                        | 22                           | 88                           | 331,296                    | 256,003                        | 22                           | 82                           |
| 125,713                    | 60,067                         | 85                           | 104                          | 97,433                     | 63,783                         | 99                           | 141                          | 95,369                     | 60,606                         | 102                          | 140                          |
| 161,636                    | 0                              | 70                           | 41                           | 148,411                    | 0                              | 66                           | 39                           | 135,578                    | 0                              | 69                           | 38                           |
| 159,084                    | 152,724                        | 71                           | 285                          | 144,454                    | 133,091                        | 69                           | 222                          | 146,298                    | 135,735                        | 66                           | 221                          |
| 105,333                    | 0                              | 101                          | 67                           | 95,824                     | 0                              | 102                          | 67                           | 97,668                     | 0                              | 100                          | 62                           |
| 466,993                    | 389,516                        | 16                           | 90                           | 414,045                    | 350,933                        | 15                           | 95                           | 393,918                    | 353,411                        | 14                           | 130                          |
| 131,418                    | 70,308                         | 81                           | 108                          | 116,682                    | 81,875                         | 88                           | 140                          | 115,904                    | 78,889                         | 84                           | 135                          |
| 74,465                     | 15,861                         | 123                          | 112                          | 64,388                     | 14,806                         | 127                          | 117                          | 68,147                     | 16,989                         | 120                          | 110                          |
| 153,066                    | 0                              | 73                           | 43                           | 127,378                    | 0                              | 78                           | 46                           | 117,587                    | 0                              | 83                           | 47                           |
| 475,010                    | 364,874                        | 14                           | 65                           | 378,914                    | 335,610                        | 19                           | 123                          | 374,551                    | 319,669                        | 16                           | 103                          |
| 163,399                    | 150,498                        | 69                           | 224                          | 137,108                    | 140,794                        | 70                           | 704                          | 143,866                    | 143,866                        | 68                           | 687                          |



## Part III – The Top 200 Institutions

The following tables list the top 200 universities and colleges on each of the nine performance measures, along with National Merit and Achievement Scholars. (The Source Notes section provides detailed information on each of the 10 data elements.) Unlike the previous tables in Parts I and II, this section includes data for all academic institutions regardless of their federal research activity level.

*The Center for Measuring University Performance* provides each institution's rank nationally among all universities as well as its rank by institutional control (i.e., rank among private or public peers). In cases where several institutions tie for last place, we use a different cutoff point. For National Academy members, we list all institutions with at least one National Academy member among their faculty. Tables in this section include:

- **2012 Total Research Expenditures**
- **2012 Federal Research Expenditures**
- **2013 Endowment Assets**
- **2013 Annual Giving**
- **2013 National Academy Membership**
- **2013 Faculty Awards**
- **2013 Doctorates Awarded**
- **2012 Postdoctoral Appointees**
- **2012 SAT Scores**
- **2013 National Merit and Achievement Scholars**

Data found in these tables may not always match the figures published by the original source. *The Center for Measuring University Performance* makes adjustments, when necessary, to ensure that the data reflect the activity at a single campus rather than that of a multiple-campus institution or state university system. When data are missing from the original source, *The Center for Measuring University Performance* may substitute another figure if available. A full discussion of this subject, and the various adjustments or substitutions made to the original data, is in the Data Notes section of this report.

*The Center for Measuring University Performance* presents these tables, along with the prior years' top 200, as Microsoft Excel spreadsheets online at [<http://mup.asu.edu>].

## The Top 200 Institutions – Total Research Expenditures (2012)

| Top 1-50 Institutions in<br>Total Research Expenditures | Total<br>Research<br>x \$1000 | National<br>Rank | Control<br>Rank | Institutional<br>Control |
|---------------------------------------------------------|-------------------------------|------------------|-----------------|--------------------------|
| Johns Hopkins University                                | 2,092,999                     | 1                | 1               | Private                  |
| University of Michigan - Ann Arbor                      | 1,247,680                     | 2                | 1               | Public                   |
| University of Washington - Seattle                      | 1,065,414                     | 3                | 2               | Public                   |
| University of California - San Diego                    | 1,065,306                     | 4                | 3               | Public                   |
| University of California - San Francisco                | 1,032,673                     | 5                | 4               | Public                   |
| University of Wisconsin - Madison                       | 1,030,605                     | 6                | 5               | Public                   |
| Duke University                                         | 1,004,759                     | 7                | 2               | Private                  |
| University of California - Los Angeles                  | 969,682                       | 8                | 6               | Public                   |
| University of North Carolina - Chapel Hill              | 864,748                       | 9                | 7               | Public                   |
| Stanford University                                     | 854,580                       | 10               | 3               | Private                  |
| Columbia University                                     | 847,809                       | 11               | 4               | Private                  |
| University of Pittsburgh - Pittsburgh                   | 839,793                       | 12               | 8               | Public                   |
| University of Pennsylvania                              | 813,210                       | 13               | 5               | Private                  |
| University of Minnesota - Twin Cities                   | 806,832                       | 14               | 9               | Public                   |
| Massachusetts Institute of Technology                   | 770,367                       | 15               | 6               | Private                  |
| Harvard University                                      | 753,973                       | 16               | 7               | Private                  |
| Ohio State University - Columbus                        | 720,082                       | 17               | 10              | Public                   |
| University of California - Davis                        | 704,999                       | 18               | 11              | Public                   |
| Pennsylvania State University - University Park         | 699,556                       | 19               | 12              | Public                   |
| University of California - Berkeley                     | 696,904                       | 20               | 13              | Public                   |
| Washington University in St. Louis                      | 689,035                       | 21               | 8               | Private                  |
| University of Texas MD Anderson Cancer Center           | 685,814                       | 22               | 14              | Public                   |
| Georgia Institute of Technology                         | 683,894                       | 23               | 15              | Public                   |
| Texas A&M University - College Station                  | 669,968                       | 24               | 16              | Public                   |
| Yale University                                         | 654,824                       | 25               | 9               | Private                  |
| University of Florida                                   | 649,988                       | 26               | 17              | Public                   |
| University of Arizona                                   | 615,434                       | 27               | 18              | Public                   |
| Northwestern University                                 | 602,451                       | 28               | 10              | Private                  |
| University of Southern California                       | 593,003                       | 29               | 11              | Private                  |
| University of Illinois - Urbana-Champaign               | 558,022                       | 30               | 19              | Public                   |
| University of Texas - Austin                            | 549,312                       | 31               | 20              | Public                   |
| Vanderbilt University                                   | 533,878                       | 32               | 12              | Private                  |
| Purdue University - West Lafayette                      | 528,140                       | 33               | 21              | Public                   |
| Cornell University                                      | 507,012                       | 34               | 13              | Private                  |
| University of Maryland - College Park                   | 498,417                       | 35               | 22              | Public                   |
| Baylor College of Medicine                              | 474,700                       | 36               | 14              | Private                  |
| Emory University                                        | 474,537                       | 37               | 15              | Private                  |
| Michigan State University                               | 471,620                       | 38               | 23              | Public                   |
| University of Alabama - Birmingham                      | 449,108                       | 39               | 24              | Public                   |
| Virginia Polytechnic Institute and State University     | 448,054                       | 40               | 25              | Public                   |
| University of Texas SW Medical Center - Dallas          | 435,085                       | 41               | 26              | Public                   |
| University of Iowa                                      | 432,980                       | 42               | 27              | Public                   |
| Case Western Reserve University                         | 430,246                       | 43               | 16              | Private                  |
| University of Utah                                      | 425,558                       | 44               | 28              | Public                   |
| New York University                                     | 425,043                       | 45               | 17              | Private                  |
| University of Colorado - Denver                         | 422,844                       | 46               | 29              | Public                   |
| Rutgers University - New Brunswick                      | 420,737                       | 47               | 30              | Public                   |
| University of Maryland - Baltimore                      | 414,754                       | 48               | 31              | Public                   |
| University of Chicago                                   | 411,864                       | 49               | 18              | Private                  |
| University of Cincinnati - Cincinnati                   | 408,294                       | 50               | 32              | Public                   |

## The Top 200 Institutions – Total Research Expenditures (2012)

| Top 51-100 Institutions in<br>Total Research Expenditures | Total<br>Research<br>x \$1000 | National<br>Rank | Control<br>Rank | Institutional<br>Control |
|-----------------------------------------------------------|-------------------------------|------------------|-----------------|--------------------------|
| Icahn School of Medicine at Mount Sinai                   | 400,680                       | 51               | 19              | Private                  |
| North Carolina State University                           | 400,046                       | 52               | 33              | Public                   |
| Scripps Research Institute                                | 398,673                       | 53               | 20              | Private                  |
| University of South Florida - Tampa                       | 394,694                       | 54               | 34              | Public                   |
| University of Rochester                                   | 388,401                       | 55               | 21              | Private                  |
| University of Illinois - Chicago                          | 381,918                       | 56               | 35              | Public                   |
| California Institute of Technology                        | 374,075                       | 57               | 22              | Private                  |
| University of Colorado - Boulder                          | 373,512                       | 58               | 36              | Public                   |
| University of Virginia                                    | 363,569                       | 59               | 37              | Public                   |
| University of Miami                                       | 361,772                       | 60               | 23              | Private                  |
| University of Kentucky                                    | 354,132                       | 61               | 38              | Public                   |
| Arizona State University - Tempe                          | 344,611                       | 62               | 39              | Public                   |
| University at Buffalo                                     | 340,930                       | 63               | 40              | Public                   |
| University of California - Irvine                         | 335,874                       | 64               | 41              | Public                   |
| Colorado State University - Fort Collins                  | 335,336                       | 65               | 42              | Public                   |
| Boston University                                         | 330,247                       | 66               | 24              | Private                  |
| University of Hawaii - Manoa                              | 312,311                       | 67               | 43              | Public                   |
| University of Georgia                                     | 311,498                       | 68               | 44              | Public                   |
| Indiana University - Purdue University - Indianapolis     | 308,101                       | 69               | 45              | Public                   |
| Oregon Health & Science University                        | 305,360                       | 70               | 46              | Public                   |
| Rockefeller University                                    | 292,896                       | 71               | 25              | Private                  |
| Weill Cornell Medical College                             | 292,782                       | 72               | 26              | Private                  |
| Yeshiva University                                        | 289,027                       | 73               | 27              | Private                  |
| Washington State University - Pullman                     | 288,693                       | 74               | 47              | Public                   |
| Louisiana State University - Baton Rouge                  | 279,019                       | 75               | 48              | Public                   |
| Coll of Nanoscale Sci and Eng-U Albany SUNY               | 265,473                       | 76               | 49              | Public                   |
| Princeton University                                      | 264,980                       | 77               | 28              | Private                  |
| University of Massachusetts Med. Sch. - Worcester         | 256,090                       | 78               | 50              | Public                   |
| Carnegie Mellon University                                | 254,992                       | 79               | 29              | Private                  |
| Iowa State University                                     | 252,675                       | 80               | 51              | Public                   |
| Oregon State University                                   | 239,571                       | 81               | 52              | Public                   |
| University of Nebraska - Lincoln                          | 238,471                       | 82               | 53              | Public                   |
| Medical University of South Carolina                      | 236,586                       | 83               | 54              | Public                   |
| University of Texas Health Science Center - Houston       | 236,250                       | 84               | 55              | Public                   |
| University of Missouri - Columbia                         | 234,975                       | 85               | 56              | Public                   |
| Brown University                                          | 234,906                       | 86               | 30              | Private                  |
| University of California - Santa Barbara                  | 222,916                       | 87               | 57              | Public                   |
| Mississippi State University                              | 222,320                       | 88               | 58              | Public                   |
| Wayne State University                                    | 221,666                       | 89               | 59              | Public                   |
| Stony Brook University                                    | 218,209                       | 90               | 60              | Public                   |
| University of New Mexico - Albuquerque                    | 216,218                       | 91               | 61              | Public                   |
| Medical College of Wisconsin                              | 209,040                       | 92               | 31              | Private                  |
| Florida State University                                  | 208,005                       | 93               | 62              | Public                   |
| University of Medicine & Dentistry of New Jersey          | 206,504                       | 94               | 63              | Public                   |
| Woods Hole Oceanographic Institution                      | 204,352                       | 95               | 32              | Private                  |
| Wake Forest University                                    | 203,730                       | 96               | 33              | Private                  |
| Dartmouth College                                         | 195,251                       | 97               | 34              | Private                  |
| George Washington University                              | 187,652                       | 98               | 35              | Private                  |
| University of South Carolina - Columbia                   | 186,559                       | 99               | 64              | Public                   |
| University of Texas Health Science Ctr - San Antonio      | 184,298                       | 100              | 65              | Public                   |

## The Top 200 Institutions – Total Research Expenditures (2012)

| Top 101-150 Institutions in<br>Total Research Expenditures | Total<br>Research<br>x \$1000 | National<br>Rank | Control<br>Rank | Institutional<br>Control |
|------------------------------------------------------------|-------------------------------|------------------|-----------------|--------------------------|
| University of Texas Medical Branch - Galveston             | 180,888                       | 101              | 66              | Public                   |
| Virginia Commonwealth University                           | 179,310                       | 102              | 67              | Public                   |
| University of Massachusetts - Amherst                      | 178,207                       | 103              | 68              | Public                   |
| University of Kansas - Lawrence                            | 172,615                       | 104              | 69              | Public                   |
| Georgetown University                                      | 171,829                       | 105              | 36              | Private                  |
| Kansas State University                                    | 169,863                       | 106              | 70              | Public                   |
| Oklahoma State University - Stillwater                     | 166,523                       | 107              | 71              | Public                   |
| University of Tennessee - Knoxville                        | 165,708                       | 108              | 72              | Public                   |
| University of Louisville                                   | 165,319                       | 109              | 73              | Public                   |
| West Virginia University                                   | 161,961                       | 110              | 74              | Public                   |
| University of Delaware                                     | 161,327                       | 111              | 75              | Public                   |
| Tufts University                                           | 159,140                       | 112              | 37              | Private                  |
| Utah State University                                      | 155,305                       | 113              | 76              | Public                   |
| Tulane University                                          | 154,196                       | 114              | 38              | Private                  |
| University of New Hampshire - Durham                       | 152,276                       | 115              | 77              | Public                   |
| Uniformed Services Univ. of the Health Sciences            | 151,392                       | 116              | 78              | Public                   |
| Indiana University - Bloomington                           | 151,240                       | 117              | 79              | Public                   |
| University of California - Santa Cruz                      | 149,824                       | 118              | 80              | Public                   |
| University of Connecticut - Storrs                         | 147,938                       | 119              | 81              | Public                   |
| University of Notre Dame                                   | 143,328                       | 120              | 39              | Private                  |
| University of Nebraska Medical Center                      | 141,619                       | 121              | 82              | Public                   |
| University at Albany                                       | 135,673                       | 122              | 83              | Public                   |
| New Mexico State University - Las Cruces                   | 135,214                       | 123              | 84              | Public                   |
| North Dakota State University                              | 133,874                       | 124              | 85              | Public                   |
| Auburn University                                          | 130,222                       | 125              | 86              | Public                   |
| University of California - Riverside                       | 129,609                       | 126              | 87              | Public                   |
| University of Arkansas for Medical Sciences                | 129,056                       | 127              | 88              | Public                   |
| Temple University                                          | 126,288                       | 128              | 89              | Public                   |
| Naval Postgraduate School                                  | 124,531                       | 129              | 90              | Public                   |
| University of Alaska - Fairbanks                           | 121,640                       | 130              | 91              | Public                   |
| University of Vermont                                      | 115,569                       | 131              | 92              | Public                   |
| University of Oklahoma - Norman                            | 115,529                       | 132              | 93              | Public                   |
| Rice University                                            | 115,235                       | 133              | 40              | Private                  |
| Montana State University - Bozeman                         | 113,235                       | 134              | 94              | Public                   |
| Drexel University                                          | 112,390                       | 135              | 41              | Private                  |
| University of Arkansas - Fayetteville                      | 111,502                       | 136              | 95              | Public                   |
| Clemson University                                         | 110,493                       | 137              | 96              | Public                   |
| University of Houston - University Park                    | 105,844                       | 138              | 97              | Public                   |
| Texas Tech University                                      | 105,147                       | 139              | 98              | Public                   |
| Northeastern University                                    | 102,911                       | 140              | 42              | Private                  |
| University of Central Florida                              | 102,562                       | 141              | 99              | Public                   |
| University of Connecticut - Health Center                  | 102,530                       | 142              | 100             | Public                   |
| University of Oklahoma Health Sciences Center              | 101,648                       | 143              | 101             | Public                   |
| Thomas Jefferson University                                | 100,506                       | 144              | 43              | Private                  |
| University of Rhode Island                                 | 97,845                        | 145              | 102             | Public                   |
| University of Idaho                                        | 95,327                        | 146              | 103             | Public                   |
| Rensselaer Polytechnic Institute                           | 92,348                        | 147              | 44              | Private                  |
| University of Maine - Orono                                | 91,673                        | 148              | 104             | Public                   |
| New Jersey Institute of Technology                         | 91,407                        | 149              | 105             | Public                   |
| University of Oregon                                       | 87,656                        | 150              | 106             | Public                   |

## The Top 200 Institutions – Total Research Expenditures (2012)

| Top 151-200 Institutions in<br>Total Research Expenditures | Total<br>Research<br>x \$1000 | National<br>Rank | Control<br>Rank | Institutional<br>Control |
|------------------------------------------------------------|-------------------------------|------------------|-----------------|--------------------------|
| Pennsylvania State University - Hershey Medical Ctr.       | 84,338                        | 151              | 107             | Public                   |
| Cold Spring Harbor Lab. - Watson Sch. of Bio. Sci.         | 84,072                        | 152              | 45              | Private                  |
| University of Kansas Medical Center                        | 83,695                        | 153              | 108             | Public                   |
| Florida International University                           | 83,639                        | 154              | 109             | Public                   |
| University of Nevada - Reno                                | 83,137                        | 155              | 110             | Public                   |
| University of Texas - Dallas                               | 83,124                        | 156              | 111             | Public                   |
| University of Alabama - Huntsville                         | 83,076                        | 157              | 112             | Public                   |
| Texas A&M Health Science Center                            | 82,807                        | 158              | 113             | Public                   |
| Rush University                                            | 80,300                        | 159              | 46              | Private                  |
| George Mason University                                    | 79,913                        | 160              | 114             | Public                   |
| University of Dayton                                       | 79,877                        | 161              | 47              | Private                  |
| University of North Dakota                                 | 79,792                        | 162              | 115             | Public                   |
| Old Dominion University                                    | 79,305                        | 163              | 116             | Public                   |
| University of Tennessee Health Science Center              | 77,749                        | 164              | 117             | Public                   |
| San Diego State University                                 | 75,670                        | 165              | 118             | Public                   |
| Binghamton University                                      | 73,098                        | 166              | 119             | Public                   |
| University of Texas - El Paso                              | 72,033                        | 167              | 120             | Public                   |
| Southern Illinois University - Carbondale                  | 71,097                        | 168              | 121             | Public                   |
| Georgia Health Sciences University                         | 70,526                        | 169              | 122             | Public                   |
| Brandeis University                                        | 69,489                        | 170              | 48              | Private                  |
| South Dakota State University                              | 68,554                        | 171              | 123             | Public                   |
| University of Tennessee - Institute of Agriculture         | 68,480                        | 172              | 124             | Public                   |
| Michigan Technological University                          | 67,977                        | 173              | 125             | Public                   |
| University of Maryland - Baltimore County                  | 65,628                        | 174              | 126             | Public                   |
| University of California System Admin Central Office       | 65,627                        | 175              | 127             | Public                   |
| University of Texas - Arlington                            | 64,684                        | 176              | 128             | Public                   |
| University of Wyoming                                      | 63,812                        | 177              | 129             | Public                   |
| University of Toledo                                       | 63,348                        | 178              | 130             | Public                   |
| Georgia State University                                   | 62,188                        | 179              | 131             | Public                   |
| University of Mississippi Medical Center                   | 62,113                        | 180              | 132             | Public                   |
| Texas Tech University Health Sciences Center               | 61,219                        | 181              | 133             | Public                   |
| Cleveland State University                                 | 60,481                        | 182              | 134             | Public                   |
| University of Akron - Akron                                | 59,765                        | 183              | 135             | Public                   |
| University of Montana - Missoula                           | 58,735                        | 184              | 136             | Public                   |
| City University of NY - City College                       | 56,618                        | 185              | 137             | Public                   |
| Syracuse University                                        | 56,192                        | 186              | 49              | Private                  |
| Colorado School of Mines                                   | 55,925                        | 187              | 138             | Public                   |
| University of Southern Mississippi                         | 54,151                        | 188              | 139             | Public                   |
| University of Massachusetts - Lowell                       | 53,980                        | 189              | 140             | Public                   |
| Louisiana State University HSC - New Orleans               | 53,712                        | 190              | 141             | Public                   |
| University of Wisconsin - Milwaukee                        | 52,271                        | 191              | 142             | Public                   |
| University of Alabama - Tuscaloosa                         | 52,021                        | 192              | 143             | Public                   |
| University of Louisiana - Lafayette                        | 51,873                        | 193              | 144             | Public                   |
| Wichita State University                                   | 50,108                        | 194              | 145             | Public                   |
| University of Texas - San Antonio                          | 48,700                        | 195              | 146             | Public                   |
| Saint Louis University - St. Louis                         | 48,303                        | 196              | 50              | Private                  |
| Univ. of Maryland Center for Environmental Science         | 48,224                        | 197              | 147             | Public                   |
| University of Mississippi - Oxford                         | 47,784                        | 198              | 148             | Public                   |
| University of North Texas Health Science Center            | 46,865                        | 199              | 149             | Public                   |
| Florida Atlantic University                                | 46,782                        | 200              | 150             | Public                   |

## The Top 200 Institutions – Federal Research Expenditures (2012)

| Top 1-50 Institutions in<br>Federal Research Expenditures | Federal<br>Research<br>x \$1000 | National<br>Rank | Control<br>Rank | Institutional<br>Control |
|-----------------------------------------------------------|---------------------------------|------------------|-----------------|--------------------------|
| Johns Hopkins University                                  | 1,845,845                       | 1                | 1               | Private                  |
| University of Washington - Seattle                        | 876,941                         | 2                | 1               | Public                   |
| University of Michigan - Ann Arbor                        | 773,766                         | 3                | 2               | Public                   |
| University of Pennsylvania                                | 656,425                         | 4                | 2               | Private                  |
| University of California - San Diego                      | 653,549                         | 5                | 3               | Public                   |
| Columbia University                                       | 631,961                         | 6                | 3               | Private                  |
| University of Pittsburgh - Pittsburgh                     | 620,070                         | 7                | 4               | Public                   |
| Stanford University                                       | 607,578                         | 8                | 4               | Private                  |
| University of North Carolina - Chapel Hill                | 597,629                         | 9                | 5               | Public                   |
| Duke University                                           | 585,636                         | 10               | 5               | Private                  |
| Harvard University                                        | 574,346                         | 11               | 6               | Private                  |
| University of California - San Francisco                  | 559,329                         | 12               | 6               | Public                   |
| University of Wisconsin - Madison                         | 557,688                         | 13               | 7               | Public                   |
| University of California - Los Angeles                    | 527,899                         | 14               | 8               | Public                   |
| Yale University                                           | 517,072                         | 15               | 7               | Private                  |
| Georgia Institute of Technology                           | 482,349                         | 16               | 9               | Public                   |
| University of Minnesota - Twin Cities                     | 480,531                         | 17               | 10              | Public                   |
| Massachusetts Institute of Technology                     | 478,955                         | 18               | 8               | Private                  |
| Pennsylvania State University - University Park           | 469,597                         | 19               | 11              | Public                   |
| University of Southern California                         | 433,136                         | 20               | 9               | Private                  |
| Washington University in St. Louis                        | 432,434                         | 21               | 10              | Private                  |
| Vanderbilt University                                     | 430,445                         | 22               | 11              | Private                  |
| Ohio State University - Columbus                          | 416,304                         | 23               | 12              | Public                   |
| Northwestern University                                   | 385,377                         | 24               | 12              | Private                  |
| Emory University                                          | 360,934                         | 25               | 13              | Private                  |
| Case Western Reserve University                           | 358,722                         | 26               | 14              | Private                  |
| University of California - Davis                          | 356,540                         | 27               | 13              | Public                   |
| University of Illinois - Urbana-Champaign                 | 348,536                         | 28               | 14              | Public                   |
| University of Maryland - College Park                     | 340,180                         | 29               | 15              | Public                   |
| University of California - Berkeley                       | 333,179                         | 30               | 16              | Public                   |
| University of Chicago                                     | 329,119                         | 31               | 15              | Private                  |
| University of Texas - Austin                              | 328,560                         | 32               | 17              | Public                   |
| University of Arizona                                     | 328,369                         | 33               | 18              | Public                   |
| California Institute of Technology                        | 322,295                         | 34               | 16              | Private                  |
| University of Colorado - Boulder                          | 319,019                         | 35               | 19              | Public                   |
| Scripps Research Institute                                | 309,471                         | 36               | 17              | Private                  |
| University of Colorado - Denver                           | 308,023                         | 37               | 20              | Public                   |
| University of Rochester                                   | 307,390                         | 38               | 18              | Private                  |
| University of Alabama - Birmingham                        | 303,677                         | 39               | 21              | Public                   |
| New York University                                       | 300,271                         | 40               | 19              | Private                  |
| Cornell University                                        | 298,596                         | 41               | 20              | Private                  |
| University of Florida                                     | 295,745                         | 42               | 22              | Public                   |
| Rutgers University - New Brunswick                        | 273,498                         | 43               | 23              | Public                   |
| Boston University                                         | 273,204                         | 44               | 21              | Private                  |
| Icahn School of Medicine at Mount Sinai                   | 271,722                         | 45               | 22              | Private                  |
| University of Utah                                        | 271,629                         | 46               | 24              | Public                   |
| Baylor College of Medicine                                | 268,753                         | 47               | 23              | Private                  |
| University of Cincinnati - Cincinnati                     | 266,507                         | 48               | 25              | Public                   |
| University of Iowa                                        | 265,780                         | 49               | 26              | Public                   |
| Texas A&M University - College Station                    | 259,506                         | 50               | 27              | Public                   |

## The Top 200 Institutions – Federal Research Expenditures (2012)

| Top 51-100 Institutions in<br>Federal Research Expenditures | Federal<br>Research<br>x \$1000 | National<br>Rank | Control<br>Rank | Institutional<br>Control |
|-------------------------------------------------------------|---------------------------------|------------------|-----------------|--------------------------|
| Purdue University - West Lafayette                          | 255,691                         | 51               | 28              | Public                   |
| Michigan State University                                   | 250,416                         | 52               | 29              | Public                   |
| Colorado State University - Fort Collins                    | 245,573                         | 53               | 30              | Public                   |
| University of Illinois - Chicago                            | 243,622                         | 54               | 31              | Public                   |
| Oregon Health & Science University                          | 242,219                         | 55               | 32              | Public                   |
| University of Maryland - Baltimore                          | 229,858                         | 56               | 33              | Public                   |
| University of Virginia                                      | 225,558                         | 57               | 34              | Public                   |
| University of Miami                                         | 222,535                         | 58               | 24              | Private                  |
| University of South Florida - Tampa                         | 218,772                         | 59               | 35              | Public                   |
| Carnegie Mellon University                                  | 209,307                         | 60               | 25              | Private                  |
| University of Texas SW Medical Center - Dallas              | 207,513                         | 61               | 36              | Public                   |
| University of California - Irvine                           | 204,062                         | 62               | 37              | Public                   |
| University of Massachusetts Med. Sch. - Worcester           | 202,149                         | 63               | 38              | Public                   |
| Yeshiva University                                          | 201,397                         | 64               | 26              | Private                  |
| University of Texas MD Anderson Cancer Center               | 196,753                         | 65               | 39              | Public                   |
| University of Hawaii - Manoa                                | 193,722                         | 66               | 40              | Public                   |
| University at Buffalo                                       | 186,747                         | 67               | 41              | Public                   |
| Arizona State University - Tempe                            | 182,188                         | 68               | 42              | Public                   |
| Virginia Polytechnic Institute and State University         | 181,371                         | 69               | 43              | Public                   |
| Wake Forest University                                      | 172,779                         | 70               | 27              | Private                  |
| Weill Cornell Medical College                               | 172,428                         | 71               | 28              | Private                  |
| North Carolina State University                             | 171,464                         | 72               | 44              | Public                   |
| Indiana University - Purdue University - Indianapolis       | 165,374                         | 73               | 45              | Public                   |
| Woods Hole Oceanographic Institution                        | 161,115                         | 74               | 29              | Private                  |
| Princeton University                                        | 160,985                         | 75               | 30              | Private                  |
| University of New Mexico - Albuquerque                      | 159,302                         | 76               | 46              | Public                   |
| University of Kentucky                                      | 157,813                         | 77               | 47              | Public                   |
| Oregon State University                                     | 155,667                         | 78               | 48              | Public                   |
| Dartmouth College                                           | 147,218                         | 79               | 31              | Private                  |
| University of Texas Health Science Center - Houston         | 146,424                         | 80               | 49              | Public                   |
| Medical University of South Carolina                        | 136,907                         | 81               | 50              | Public                   |
| University of California - Santa Barbara                    | 134,984                         | 82               | 51              | Public                   |
| University of Georgia                                       | 133,525                         | 83               | 52              | Public                   |
| Florida State University                                    | 131,998                         | 84               | 53              | Public                   |
| Brown University                                            | 127,665                         | 85               | 32              | Private                  |
| Wayne State University                                      | 125,965                         | 86               | 54              | Public                   |
| Medical College of Wisconsin                                | 125,325                         | 87               | 33              | Private                  |
| Virginia Commonwealth University                            | 124,836                         | 88               | 55              | Public                   |
| Stony Brook University                                      | 123,198                         | 89               | 56              | Public                   |
| Naval Postgraduate School                                   | 120,209                         | 90               | 57              | Public                   |
| Washington State University - Pullman                       | 120,146                         | 91               | 58              | Public                   |
| Tufts University                                            | 120,042                         | 92               | 34              | Private                  |
| Iowa State University                                       | 117,144                         | 93               | 59              | Public                   |
| Georgetown University                                       | 113,229                         | 94               | 35              | Private                  |
| University at Albany                                        | 112,161                         | 95               | 60              | Public                   |
| George Washington University                                | 111,068                         | 96               | 36              | Private                  |
| University of Delaware                                      | 110,760                         | 97               | 61              | Public                   |
| University of Medicine & Dentistry of New Jersey            | 110,595                         | 98               | 62              | Public                   |
| University of Missouri - Columbia                           | 110,446                         | 99               | 63              | Public                   |
| Uniformed Services Univ. of the Health Sciences             | 110,276                         | 100              | 64              | Public                   |

## The Top 200 Institutions – Federal Research Expenditures (2012)

| Top 101-150 Institutions in Federal Research Expenditures | Federal Research<br>x \$1000 | National Rank | Control Rank | Institutional Control |
|-----------------------------------------------------------|------------------------------|---------------|--------------|-----------------------|
| University of Texas Medical Branch - Galveston            | 109,867                      | 101           | 65           | Public                |
| University of New Hampshire - Durham                      | 109,728                      | 102           | 66           | Public                |
| Utah State University                                     | 107,054                      | 103           | 67           | Public                |
| University of Massachusetts - Amherst                     | 106,470                      | 104           | 68           | Public                |
| University of Texas Health Science Ctr - San Antonio      | 106,177                      | 105           | 69           | Public                |
| University of Nebraska - Lincoln                          | 103,294                      | 106           | 70           | Public                |
| University of Tennessee - Knoxville                       | 103,147                      | 107           | 71           | Public                |
| Tulane University                                         | 101,130                      | 108           | 37           | Private               |
| University of Kansas - Lawrence                           | 99,034                       | 109           | 72           | Public                |
| University of Alaska - Fairbanks                          | 97,472                       | 110           | 73           | Public                |
| Mississippi State University                              | 96,132                       | 111           | 74           | Public                |
| University of South Carolina - Columbia                   | 93,237                       | 112           | 75           | Public                |
| University of California - Santa Cruz                     | 91,409                       | 113           | 76           | Public                |
| Louisiana State University - Baton Rouge                  | 91,238                       | 114           | 77           | Public                |
| New Mexico State University - Las Cruces                  | 90,338                       | 115           | 78           | Public                |
| University of Connecticut - Storrs                        | 88,834                       | 116           | 79           | Public                |
| University of Vermont                                     | 87,843                       | 117           | 80           | Public                |
| Oklahoma State University - Stillwater                    | 85,876                       | 118           | 81           | Public                |
| Drexel University                                         | 85,584                       | 119           | 38           | Private               |
| Temple University                                         | 85,062                       | 120           | 82           | Public                |
| Rockefeller University                                    | 84,616                       | 121           | 39           | Private               |
| University of Nebraska Medical Center                     | 84,196                       | 122           | 83           | Public                |
| University of Notre Dame                                  | 82,244                       | 123           | 40           | Private               |
| University of Louisville                                  | 79,252                       | 124           | 84           | Public                |
| Montana State University - Bozeman                        | 78,409                       | 125           | 85           | Public                |
| University of Rhode Island                                | 78,194                       | 126           | 86           | Public                |
| West Virginia University                                  | 77,981                       | 127           | 87           | Public                |
| Rice University                                           | 76,431                       | 128           | 41           | Private               |
| Northeastern University                                   | 75,733                       | 129           | 42           | Private               |
| University of Alabama - Huntsville                        | 75,715                       | 130           | 88           | Public                |
| Kansas State University                                   | 73,247                       | 131           | 89           | Public                |
| University of Central Florida                             | 72,620                       | 132           | 90           | Public                |
| Indiana University - Bloomington                          | 72,501                       | 133           | 91           | Public                |
| University of Oregon                                      | 71,157                       | 134           | 92           | Public                |
| University of Arkansas for Medical Sciences               | 69,883                       | 135           | 93           | Public                |
| Thomas Jefferson University                               | 68,976                       | 136           | 43           | Private               |
| University of Oklahoma - Norman                           | 64,427                       | 137           | 94           | Public                |
| University of Dayton                                      | 64,369                       | 138           | 44           | Private               |
| Rensselaer Polytechnic Institute                          | 62,063                       | 139           | 45           | Private               |
| University of Connecticut - Health Center                 | 61,568                       | 140           | 95           | Public                |
| University of California - Riverside                      | 61,304                       | 141           | 96           | Public                |
| University of Oklahoma Health Sciences Center             | 59,704                       | 142           | 97           | Public                |
| New Jersey Institute of Technology                        | 57,513                       | 143           | 98           | Public                |
| Rush University                                           | 57,512                       | 144           | 46           | Private               |
| George Mason University                                   | 57,504                       | 145           | 99           | Public                |
| Pennsylvania State University - Hershey Medical Ctr.      | 56,615                       | 146           | 100          | Public                |
| University of Wyoming                                     | 55,663                       | 147           | 101          | Public                |
| University of Nevada - Reno                               | 55,150                       | 148           | 102          | Public                |
| Auburn University                                         | 55,118                       | 149           | 103          | Public                |
| Georgia Health Sciences University                        | 55,106                       | 150           | 104          | Public                |

## The Top 200 Institutions – Federal Research Expenditures (2012)

| Top 151-200 Institutions in<br>Federal Research Expenditures | Federal<br>Research<br>x \$1000 | National<br>Rank | Control<br>Rank | Institutional<br>Control |
|--------------------------------------------------------------|---------------------------------|------------------|-----------------|--------------------------|
| University of Houston - University Park                      | 54,657                          | 151              | 105             | Public                   |
| University of North Dakota                                   | 54,411                          | 152              | 106             | Public                   |
| Florida International University                             | 54,204                          | 153              | 107             | Public                   |
| University of Idaho                                          | 53,765                          | 154              | 108             | Public                   |
| San Diego State University                                   | 51,690                          | 155              | 109             | Public                   |
| University of Tennessee Health Science Center                | 48,473                          | 156              | 110             | Public                   |
| Clemson University                                           | 48,182                          | 157              | 111             | Public                   |
| University of Kansas Medical Center                          | 48,018                          | 158              | 112             | Public                   |
| Cleveland State University                                   | 46,205                          | 159              | 113             | Public                   |
| North Dakota State University                                | 45,326                          | 160              | 114             | Public                   |
| University of Maryland - Baltimore County                    | 44,669                          | 161              | 115             | Public                   |
| Brandeis University                                          | 44,061                          | 162              | 47              | Private                  |
| Cold Spring Harbor Lab. - Watson Sch. of Bio. Sci.           | 43,874                          | 163              | 48              | Private                  |
| South Dakota State University                                | 41,941                          | 164              | 116             | Public                   |
| Louisiana State University HSC - New Orleans                 | 40,637                          | 165              | 117             | Public                   |
| University of Maine - Orono                                  | 39,428                          | 166              | 118             | Public                   |
| University of Texas - El Paso                                | 39,274                          | 167              | 119             | Public                   |
| City University of NY - City College                         | 39,063                          | 168              | 120             | Public                   |
| University of Toledo                                         | 38,563                          | 169              | 121             | Public                   |
| University of Mississippi Medical Center                     | 37,597                          | 170              | 122             | Public                   |
| Howard University                                            | 37,336                          | 171              | 49              | Private                  |
| U.S. Air Force Academy                                       | 36,316                          | 172              | 123             | Public                   |
| Saint Louis University - St. Louis                           | 35,841                          | 173              | 50              | Private                  |
| University of Montana - Missoula                             | 35,590                          | 174              | 124             | Public                   |
| University of Mississippi - Oxford                           | 35,258                          | 175              | 125             | Public                   |
| University of Puerto Rico - Medical Sciences                 | 35,173                          | 176              | 126             | Public                   |
| State Univ. of New York - Downstate Medical Center           | 34,884                          | 177              | 127             | Public                   |
| University of Southern Mississippi                           | 34,487                          | 178              | 128             | Public                   |
| University of Arkansas - Fayetteville                        | 34,123                          | 179              | 129             | Public                   |
| University of Texas - Dallas                                 | 34,088                          | 180              | 130             | Public                   |
| Jackson State University                                     | 33,342                          | 181              | 131             | Public                   |
| Michigan Technological University                            | 32,835                          | 182              | 132             | Public                   |
| University of Alabama - Tuscaloosa                           | 32,515                          | 183              | 133             | Public                   |
| Old Dominion University                                      | 31,877                          | 184              | 134             | Public                   |
| Morehouse School of Medicine                                 | 31,786                          | 185              | 51              | Private                  |
| Colorado School of Mines                                     | 31,399                          | 186              | 135             | Public                   |
| Texas A&M Health Science Center                              | 30,739                          | 187              | 136             | Public                   |
| University of Texas - Arlington                              | 30,473                          | 188              | 137             | Public                   |
| Portland State University                                    | 30,090                          | 189              | 138             | Public                   |
| New Mexico Institute of Mining and Technology                | 29,894                          | 190              | 139             | Public                   |
| University of Texas - San Antonio                            | 29,168                          | 191              | 140             | Public                   |
| Florida A&M University                                       | 27,951                          | 192              | 141             | Public                   |
| Loyola University Chicago                                    | 27,786                          | 193              | 52              | Private                  |
| Texas Tech University                                        | 27,698                          | 194              | 142             | Public                   |
| Illinois Institute of Technology                             | 27,515                          | 195              | 53              | Private                  |
| Desert Research Institute                                    | 27,294                          | 196              | 143             | Public                   |
| Georgia State University                                     | 27,251                          | 197              | 144             | Public                   |
| State Univ. of New York - Upstate Medical University         | 27,013                          | 198              | 145             | Public                   |
| University of North Texas Health Science Center              | 26,627                          | 199              | 146             | Public                   |
| University of Wisconsin - Milwaukee                          | 26,424                          | 200              | 147             | Public                   |

## The Top 200 Institutions – Endowment Assets (2013)

| Top 1-50 Institutions<br>in Endowment Assets | Endowment<br>Assets<br>x \$1000 | National<br>Rank | Control<br>Rank | Institutional<br>Control |
|----------------------------------------------|---------------------------------|------------------|-----------------|--------------------------|
| Harvard University                           | 32,334,293                      | 1                | 1               | Private                  |
| Yale University                              | 20,780,000                      | 2                | 2               | Private                  |
| Stanford University                          | 18,688,868                      | 3                | 3               | Private                  |
| Princeton University                         | 18,200,433                      | 4                | 4               | Private                  |
| Massachusetts Institute of Technology        | 11,005,932                      | 5                | 5               | Private                  |
| University of Texas - Austin                 | 9,145,142                       | 6                | 1               | Public                   |
| University of Michigan - Ann Arbor           | 8,382,311                       | 7                | 2               | Public                   |
| Columbia University                          | 8,197,880                       | 8                | 6               | Private                  |
| Texas A&M University - College Station       | 8,072,055                       | 9                | 3               | Public                   |
| Northwestern University                      | 7,883,323                       | 10               | 7               | Private                  |
| University of Pennsylvania                   | 7,741,396                       | 11               | 8               | Private                  |
| University of Notre Dame                     | 6,856,301                       | 12               | 9               | Private                  |
| University of Chicago                        | 6,668,974                       | 13               | 10              | Private                  |
| Duke University                              | 6,040,973                       | 14               | 11              | Private                  |
| Emory University                             | 5,816,046                       | 15               | 12              | Private                  |
| Washington University in St. Louis           | 5,651,860                       | 16               | 13              | Private                  |
| University of Virginia                       | 5,166,660                       | 17               | 4               | Public                   |
| Rice University                              | 4,836,728                       | 18               | 14              | Private                  |
| Cornell University                           | 4,133,842                       | 19               | 15              | Private                  |
| University of Southern California            | 3,868,355                       | 20               | 16              | Private                  |
| Dartmouth College                            | 3,733,596                       | 21               | 17              | Private                  |
| Vanderbilt University                        | 3,673,434                       | 22               | 18              | Private                  |
| University of California - Berkeley          | 3,330,553                       | 23               | 5               | Public                   |
| Ohio State University - Columbus             | 3,149,169                       | 24               | 6               | Public                   |
| Johns Hopkins University                     | 2,987,298                       | 25               | 19              | Private                  |
| University of Pittsburgh - Pittsburgh        | 2,975,896                       | 26               | 7               | Public                   |
| New York University                          | 2,949,000                       | 27               | 20              | Private                  |
| University of Minnesota - Twin Cities        | 2,757,476                       | 28               | 8               | Public                   |
| Brown University                             | 2,669,948                       | 29               | 21              | Private                  |
| University of California - Los Angeles       | 2,626,965                       | 30               | 9               | Public                   |
| University of North Carolina - Chapel Hill   | 2,381,151                       | 31               | 10              | Public                   |
| University of Washington - Seattle           | 2,346,693                       | 32               | 11              | Public                   |
| University of Wisconsin - Madison            | 2,334,560                       | 33               | 12              | Public                   |
| Purdue University - West Lafayette           | 2,182,171                       | 34               | 13              | Public                   |
| University of Richmond                       | 2,023,357                       | 35               | 22              | Private                  |
| Williams College                             | 1,996,681                       | 36               | 23              | Private                  |
| Michigan State University                    | 1,958,350                       | 37               | 14              | Public                   |
| California Institute of Technology           | 1,849,880                       | 38               | 24              | Private                  |
| Amherst College                              | 1,823,748                       | 39               | 25              | Private                  |
| Pomona College                               | 1,823,441                       | 40               | 26              | Private                  |
| Boston College                               | 1,809,200                       | 41               | 27              | Private                  |
| Rockefeller University                       | 1,772,394                       | 42               | 28              | Private                  |
| University of Rochester                      | 1,730,829                       | 43               | 29              | Private                  |
| University of California - San Francisco     | 1,716,203                       | 44               | 15              | Public                   |
| Georgia Institute of Technology              | 1,714,876                       | 45               | 16              | Public                   |
| Case Western Reserve University              | 1,678,563                       | 46               | 30              | Private                  |
| Swarthmore College                           | 1,634,685                       | 47               | 31              | Private                  |
| Smith College                                | 1,557,426                       | 48               | 32              | Private                  |
| Grinnell College                             | 1,553,629                       | 49               | 33              | Private                  |
| Wellesley College                            | 1,550,054                       | 50               | 34              | Private                  |

## The Top 200 Institutions – Endowment Assets (2013)

| Top 51-100 Institutions<br>in Endowment Assets  | Endowment<br>Assets<br>x \$1000 | National<br>Rank | Control<br>Rank | Institutional<br>Control |
|-------------------------------------------------|---------------------------------|------------------|-----------------|--------------------------|
| University of Texas SW Medical Center - Dallas  | 1,450,655                       | 51               | 17              | Public                   |
| Tufts University                                | 1,440,527                       | 52               | 35              | Private                  |
| Pennsylvania State University - University Park | 1,411,236                       | 53               | 18              | Public                   |
| George Washington University                    | 1,375,202                       | 54               | 36              | Private                  |
| Carnegie Mellon University                      | 1,371,365                       | 55               | 37              | Private                  |
| Boston University                               | 1,369,581                       | 56               | 38              | Private                  |
| University of Florida                           | 1,359,643                       | 57               | 19              | Public                   |
| Washington and Lee University                   | 1,345,356                       | 58               | 39              | Private                  |
| University of Illinois - Urbana-Champaign       | 1,310,300                       | 59               | 20              | Public                   |
| Georgetown University                           | 1,286,323                       | 60               | 40              | Private                  |
| Southern Methodist University                   | 1,268,079                       | 61               | 41              | Private                  |
| Texas Christian University                      | 1,256,030                       | 62               | 42              | Private                  |
| Yeshiva University                              | 1,183,499                       | 63               | 43              | Private                  |
| University of Delaware                          | 1,171,166                       | 64               | 21              | Public                   |
| Weill Cornell Medical College                   | 1,138,386                       | 65               | 44              | Private                  |
| University of Texas MD Anderson Cancer Center   | 1,111,653                       | 66               | 22              | Public                   |
| Lehigh University                               | 1,103,449                       | 67               | 45              | Private                  |
| University of Iowa                              | 1,094,803                       | 68               | 23              | Public                   |
| Wake Forest University                          | 1,061,639                       | 69               | 46              | Private                  |
| Baylor University                               | 1,061,157                       | 70               | 47              | Private                  |
| Syracuse University                             | 1,053,214                       | 71               | 48              | Private                  |
| Tulane University                               | 1,047,813                       | 72               | 49              | Private                  |
| University of Cincinnati - Cincinnati           | 1,045,606                       | 73               | 24              | Public                   |
| Bowdoin College                                 | 1,038,640                       | 74               | 50              | Private                  |
| Berea College                                   | 1,012,401                       | 75               | 51              | Private                  |
| Trinity University                              | 1,005,691                       | 76               | 52              | Private                  |
| University of Kansas - Lawrence                 | 1,005,416                       | 77               | 25              | Public                   |
| University of Kentucky                          | 992,427                         | 78               | 26              | Public                   |
| Middlebury College                              | 972,992                         | 79               | 53              | Private                  |
| Saint Louis University - St. Louis              | 956,014                         | 80               | 54              | Private                  |
| Princeton Theological Seminary                  | 930,720                         | 81               | 55              | Private                  |
| University of Oklahoma - Norman                 | 927,019                         | 82               | 27              | Public                   |
| University of Tulsa                             | 885,458                         | 83               | 56              | Private                  |
| Baylor College of Medicine                      | 873,721                         | 84               | 57              | Private                  |
| University of Nebraska - Lincoln                | 870,173                         | 85               | 28              | Public                   |
| Vassar College                                  | 868,741                         | 86               | 58              | Private                  |
| Berry College                                   | 853,059                         | 87               | 59              | Private                  |
| Indiana University - Bloomington                | 835,123                         | 88               | 29              | Public                   |
| University of Arkansas - Fayetteville           | 819,814                         | 89               | 30              | Public                   |
| University of California - Davis                | 790,060                         | 90               | 31              | Public                   |
| University of Louisville                        | 788,529                         | 91               | 32              | Public                   |
| University of Georgia                           | 786,171                         | 92               | 33              | Public                   |
| Rutgers University - New Brunswick              | 783,492                         | 93               | 34              | Public                   |
| University of Miami                             | 777,947                         | 94               | 60              | Private                  |
| Washington State University - Pullman           | 777,628                         | 95               | 35              | Public                   |
| University of Alabama - Tuscaloosa              | 776,241                         | 96               | 36              | Public                   |
| North Carolina State University                 | 769,404                         | 97               | 37              | Public                   |
| Brandeis University                             | 766,205                         | 98               | 61              | Private                  |
| Colgate University                              | 760,579                         | 99               | 62              | Private                  |
| Santa Clara University                          | 760,218                         | 100              | 63              | Private                  |

## The Top 200 Institutions – Endowment Assets (2013)

| Top 101-150 Institutions<br>in Endowment Assets       | Endowment<br>Assets<br>x \$1000 | National<br>Rank | Control<br>Rank | Institutional<br>Control |
|-------------------------------------------------------|---------------------------------|------------------|-----------------|--------------------------|
| University of Utah                                    | 745,553                         | 101              | 38              | Public                   |
| Oberlin College                                       | 727,683                         | 102              | 64              | Private                  |
| University of Tennessee - Knoxville                   | 726,483                         | 103              | 39              | Public                   |
| Lafayette College                                     | 719,600                         | 104              | 65              | Private                  |
| Pepperdine University                                 | 712,163                         | 105              | 66              | Private                  |
| Bryn Mawr College                                     | 710,704                         | 106              | 67              | Private                  |
| Hamilton College (NY)                                 | 710,428                         | 107              | 68              | Private                  |
| Indiana University - Purdue University - Indianapolis | 709,877                         | 108              | 40              | Public                   |
| Carleton College                                      | 700,540                         | 109              | 69              | Private                  |
| College of William and Mary                           | 697,724                         | 110              | 41              | Public                   |
| University of Missouri - Columbia                     | 692,853                         | 111              | 42              | Public                   |
| Macalester College                                    | 686,508                         | 112              | 70              | Private                  |
| Denison University                                    | 682,557                         | 113              | 71              | Private                  |
| Iowa State University                                 | 673,515                         | 114              | 43              | Public                   |
| Wesleyan University                                   | 669,593                         | 115              | 72              | Private                  |
| Cooper Union for the Advancement of Science & Art     | 668,408                         | 116              | 73              | Private                  |
| Rochester Institute of Technology                     | 668,406                         | 117              | 74              | Private                  |
| Bucknell University                                   | 666,562                         | 118              | 75              | Private                  |
| Virginia Polytechnic Institute and State University   | 660,340                         | 119              | 44              | Public                   |
| Colby College                                         | 649,992                         | 120              | 76              | Private                  |
| Loma Linda University                                 | 648,490                         | 121              | 77              | Private                  |
| University of California - San Diego                  | 642,605                         | 122              | 45              | Public                   |
| Principia College                                     | 638,419                         | 123              | 78              | Private                  |
| University of Houston - University Park               | 637,475                         | 124              | 46              | Public                   |
| College of the Holy Cross                             | 634,912                         | 125              | 79              | Private                  |
| Mount Holyoke College                                 | 631,950                         | 126              | 80              | Private                  |
| Icahn School of Medicine at Mount Sinai               | 630,518                         | 127              | 81              | Private                  |
| Rensselaer Polytechnic Institute                      | 616,836                         | 128              | 82              | Private                  |
| Northeastern University                               | 616,618                         | 129              | 83              | Private                  |
| University of Arizona                                 | 611,746                         | 130              | 47              | Public                   |
| Claremont McKenna College                             | 599,147                         | 131              | 84              | Private                  |
| Medical College of Wisconsin                          | 597,865                         | 132              | 85              | Private                  |
| Colorado College                                      | 593,488                         | 133              | 86              | Private                  |
| Furman University                                     | 592,997                         | 134              | 87              | Private                  |
| Fordham University                                    | 592,538                         | 135              | 88              | Private                  |
| Drexel University                                     | 586,938                         | 136              | 89              | Private                  |
| Davidson College                                      | 564,637                         | 137              | 90              | Private                  |
| Virginia Commonwealth University                      | 562,215                         | 138              | 48              | Public                   |
| University at Buffalo                                 | 554,392                         | 139              | 49              | Public                   |
| Arizona State University - Tempe                      | 552,789                         | 140              | 50              | Public                   |
| University of Oregon                                  | 552,285                         | 141              | 51              | Public                   |
| DePauw University                                     | 549,015                         | 142              | 91              | Private                  |
| Florida State University                              | 548,095                         | 143              | 52              | Public                   |
| Texas Tech University                                 | 546,229                         | 144              | 53              | Public                   |
| University of South Carolina - Columbia               | 544,939                         | 145              | 54              | Public                   |
| Clemson University                                    | 528,697                         | 146              | 55              | Public                   |
| Auburn University                                     | 522,145                         | 147              | 56              | Public                   |
| University of Mississippi - Oxford                    | 520,216                         | 148              | 57              | Public                   |
| Howard University                                     | 513,663                         | 149              | 92              | Private                  |
| Rush University                                       | 500,797                         | 150              | 93              | Private                  |

## The Top 200 Institutions – Endowment Assets (2013)

| Top 151-200 Institutions<br>in Endowment Assets       | Endowment<br>Assets<br>x \$1000 | National<br>Rank | Control<br>Rank | Institutional<br>Control |
|-------------------------------------------------------|---------------------------------|------------------|-----------------|--------------------------|
| University of Texas Medical Branch - Galveston        | 495,887                         | 151              | 58              | Public                   |
| University of Colorado - Boulder                      | 495,815                         | 152              | 59              | Public                   |
| Reed College                                          | 484,741                         | 153              | 94              | Private                  |
| American University                                   | 478,163                         | 154              | 95              | Private                  |
| Trinity College (CT)                                  | 473,447                         | 155              | 96              | Private                  |
| Oregon Health & Science University                    | 463,969                         | 156              | 60              | Public                   |
| Loyola University Chicago                             | 463,860                         | 157              | 97              | Private                  |
| West Virginia University                              | 460,640                         | 158              | 61              | Public                   |
| University of South Alabama - Mobile                  | 458,536                         | 159              | 62              | Public                   |
| Marquette University                                  | 457,799                         | 160              | 98              | Private                  |
| National University                                   | 456,760                         | 161              | 99              | Private                  |
| Ohio University - Athens                              | 446,748                         | 162              | 63              | Public                   |
| Whitman College                                       | 444,603                         | 163              | 100             | Private                  |
| Oregon State University                               | 443,826                         | 164              | 64              | Public                   |
| University of Dayton                                  | 442,252                         | 165              | 101             | Private                  |
| Haverford College                                     | 434,234                         | 166              | 102             | Private                  |
| University of Maryland - College Park                 | 433,821                         | 167              | 65              | Public                   |
| University of Texas Health Science Ctr. - San Antonio | 432,031                         | 168              | 66              | Public                   |
| Villanova University                                  | 419,249                         | 169              | 103             | Private                  |
| Miami University - Oxford                             | 416,658                         | 170              | 67              | Public                   |
| St. John's University (NY)                            | 416,231                         | 171              | 104             | Private                  |
| University of Wyoming                                 | 404,074                         | 172              | 68              | Public                   |
| University of Denver                                  | 403,467                         | 173              | 105             | Private                  |
| University of Oklahoma Health Sciences Center         | 397,294                         | 174              | 69              | Public                   |
| University of St. Thomas (MN)                         | 396,553                         | 175              | 106             | Private                  |
| University of San Diego                               | 395,589                         | 176              | 107             | Private                  |
| Loyola Marymount University                           | 395,462                         | 177              | 108             | Private                  |
| Mississippi State University                          | 394,925                         | 178              | 70              | Public                   |
| University of Colorado - Denver                       | 389,569                         | 179              | 71              | Public                   |
| Oklahoma State University - Stillwater                | 389,522                         | 180              | 72              | Public                   |
| Worcester Polytechnic Institute                       | 389,310                         | 181              | 109             | Private                  |
| DePaul University                                     | 384,740                         | 182              | 110             | Private                  |
| Louisiana State University - Baton Rouge              | 383,443                         | 183              | 73              | Public                   |
| Miami Dade College                                    | 382,446                         | 184              | 74              | Public                   |
| College of the Ozarks                                 | 376,038                         | 185              | 111             | Private                  |
| St. Olaf College                                      | 375,914                         | 186              | 112             | Private                  |
| University of Vermont                                 | 374,316                         | 187              | 75              | Public                   |
| University of Alabama - Birmingham                    | 374,260                         | 188              | 76              | Public                   |
| University of New Mexico - Albuquerque                | 371,302                         | 189              | 77              | Public                   |
| Clark University (MA)                                 | 364,907                         | 190              | 113             | Private                  |
| Kansas State University                               | 364,675                         | 191              | 78              | Public                   |
| University of South Florida - Tampa                   | 363,924                         | 192              | 79              | Public                   |
| Occidental College                                    | 356,767                         | 193              | 114             | Private                  |
| Dickinson College                                     | 356,739                         | 194              | 115             | Private                  |
| University of Toledo                                  | 355,943                         | 195              | 80              | Public                   |
| Creighton University                                  | 355,802                         | 196              | 116             | Private                  |
| Union College (NY)                                    | 353,410                         | 197              | 117             | Private                  |
| Wheaton College (IL)                                  | 352,506                         | 198              | 118             | Private                  |
| Earlham College                                       | 350,566                         | 199              | 119             | Private                  |
| Franklin W. Olin College of Engineering               | 349,371                         | 200              | 120             | Private                  |

## The Top 200 Institutions – Annual Giving (2013)

| Top 1-50 Institutions in Annual Giving                | Annual Giving<br>x \$1000 | National Rank | Control Rank | Institutional Control |
|-------------------------------------------------------|---------------------------|---------------|--------------|-----------------------|
| Stanford University                                   | 931,569                   | 1             | 1            | Private               |
| Harvard University                                    | 792,256                   | 2             | 2            | Private               |
| University of Southern California                     | 674,512                   | 3             | 3            | Private               |
| Columbia University                                   | 646,663                   | 4             | 4            | Private               |
| Johns Hopkins University                              | 518,571                   | 5             | 5            | Private               |
| University of Pennsylvania                            | 506,607                   | 6             | 6            | Private               |
| New York University                                   | 449,344                   | 7             | 7            | Private               |
| Yale University                                       | 444,171                   | 8             | 8            | Private               |
| Duke University                                       | 423,658                   | 9             | 9            | Private               |
| University of California - Los Angeles                | 419,647                   | 10            | 1            | Public                |
| Massachusetts Institute of Technology                 | 403,539                   | 11            | 10           | Private               |
| University of California - San Francisco              | 385,745                   | 12            | 2            | Public                |
| University of Wisconsin - Madison                     | 360,689                   | 13            | 3            | Public                |
| University of Michigan - Ann Arbor                    | 351,552                   | 14            | 4            | Public                |
| University of California - Berkeley                   | 340,919                   | 15            | 5            | Public                |
| Cornell University                                    | 326,497                   | 16            | 11           | Private               |
| University of Washington - Seattle                    | 322,231                   | 17            | 6            | Public                |
| Northwestern University                               | 295,601                   | 18            | 12           | Private               |
| University of Texas - Austin                          | 290,987                   | 19            | 7            | Public                |
| Ohio State University - Columbus                      | 290,595                   | 20            | 8            | Public                |
| University of Chicago                                 | 289,447                   | 21            | 13           | Private               |
| University of North Carolina - Chapel Hill            | 272,767                   | 22            | 9            | Public                |
| Texas A&M University - College Station                | 254,628                   | 23            | 10           | Public                |
| University of Notre Dame                              | 247,928                   | 24            | 14           | Private               |
| Princeton University                                  | 242,551                   | 25            | 15           | Private               |
| Washington University in St. Louis                    | 233,019                   | 26            | 16           | Private               |
| University of Virginia                                | 224,541                   | 27            | 11           | Public                |
| University of Minnesota - Twin Cities                 | 219,905                   | 28            | 12           | Public                |
| University of Utah                                    | 213,984                   | 29            | 13           | Public                |
| University of Texas MD Anderson Cancer Center         | 212,506                   | 30            | 14           | Public                |
| University of Florida                                 | 210,951                   | 31            | 15           | Public                |
| Emory University                                      | 204,171                   | 32            | 17           | Private               |
| University of Oregon                                  | 185,648                   | 33            | 16           | Public                |
| University of Miami                                   | 180,538                   | 34            | 18           | Private               |
| Brown University                                      | 176,416                   | 35            | 19           | Private               |
| Pennsylvania State University - University Park       | 174,105                   | 36            | 17           | Public                |
| University of Illinois - Urbana-Champaign             | 169,548                   | 37            | 18           | Public                |
| University of California - San Diego                  | 167,404                   | 38            | 19           | Public                |
| University of Oklahoma - Norman                       | 162,048                   | 39            | 20           | Public                |
| Indiana University - Bloomington                      | 160,548                   | 40            | 21           | Public                |
| Dartmouth College                                     | 160,165                   | 41            | 20           | Private               |
| University of Arizona                                 | 151,363                   | 42            | 22           | Public                |
| Weill Cornell Medical College                         | 148,460                   | 43            | 21           | Private               |
| Vanderbilt University                                 | 145,433                   | 44            | 22           | Private               |
| University of Kansas - Lawrence                       | 135,754                   | 45            | 23           | Public                |
| North Carolina State University                       | 131,378                   | 46            | 24           | Public                |
| Georgetown University                                 | 131,044                   | 47            | 23           | Private               |
| Michigan State University                             | 130,964                   | 48            | 25           | Public                |
| University of Pittsburgh - Pittsburgh                 | 127,859                   | 49            | 26           | Public                |
| Indiana University - Purdue University - Indianapolis | 127,341                   | 50            | 27           | Public                |

## The Top 200 Institutions – Annual Giving (2013)

| Top 51-100 Institutions in Annual Giving            | Annual Giving<br>x \$1000 | National Rank | Control Rank | Institutional Control |
|-----------------------------------------------------|---------------------------|---------------|--------------|-----------------------|
| Icahn School of Medicine at Mount Sinai             | 127,027                   | 51            | 24           | Private               |
| University of Louisville                            | 123,415                   | 52            | 28           | Public                |
| Rice University                                     | 122,673                   | 53            | 25           | Private               |
| University of Iowa                                  | 122,102                   | 54            | 29           | Public                |
| Purdue University - West Lafayette                  | 121,592                   | 55            | 30           | Public                |
| Oregon Health & Science University                  | 121,027                   | 56            | 31           | Public                |
| University of Nebraska - Lincoln                    | 120,093                   | 57            | 32           | Public                |
| Boston University                                   | 116,562                   | 58            | 26           | Private               |
| Colorado State University - Fort Collins            | 112,473                   | 59            | 33           | Public                |
| Carnegie Mellon University                          | 112,164                   | 60            | 27           | Private               |
| Oklahoma State University - Stillwater              | 110,186                   | 61            | 34           | Public                |
| University of Arkansas - Fayetteville               | 109,818                   | 62            | 35           | Public                |
| University of Maryland - Baltimore                  | 109,647                   | 63            | 36           | Public                |
| Kansas State University                             | 108,060                   | 64            | 37           | Public                |
| Arizona State University - Tempe                    | 108,011                   | 65            | 38           | Public                |
| University of South Carolina - Columbia             | 107,008                   | 66            | 39           | Public                |
| University of Cincinnati - Cincinnati               | 105,037                   | 67            | 40           | Public                |
| University of Texas SW Medical Center - Dallas      | 104,866                   | 68            | 41           | Public                |
| University of California - Davis                    | 104,743                   | 69            | 42           | Public                |
| University of Tennessee - Knoxville                 | 104,164                   | 70            | 43           | Public                |
| University of Missouri - Columbia                   | 103,979                   | 71            | 44           | Public                |
| California Institute of Technology                  | 103,446                   | 72            | 28           | Private               |
| Georgia Institute of Technology                     | 102,717                   | 73            | 45           | Public                |
| Baylor College of Medicine                          | 100,540                   | 74            | 29           | Private               |
| Boston College                                      | 100,014                   | 75            | 30           | Private               |
| West Virginia University                            | 99,034                    | 76            | 46           | Public                |
| Stony Brook University                              | 97,892                    | 77            | 47           | Public                |
| Louisiana State University - Baton Rouge            | 96,895                    | 78            | 48           | Public                |
| Case Western Reserve University                     | 94,238                    | 79            | 31           | Private               |
| Rutgers University - New Brunswick                  | 90,313                    | 80            | 49           | Public                |
| University of Rochester                             | 90,023                    | 81            | 32           | Private               |
| Hillsdale College                                   | 89,660                    | 82            | 33           | Private               |
| Virginia Polytechnic Institute and State University | 86,970                    | 83            | 50           | Public                |
| University of Georgia                               | 85,814                    | 84            | 51           | Public                |
| George Washington University                        | 84,436                    | 85            | 34           | Private               |
| University of Houston - University Park             | 84,201                    | 86            | 52           | Public                |
| University of Alabama - Tuscaloosa                  | 81,090                    | 87            | 53           | Public                |
| Oregon State University                             | 81,027                    | 88            | 54           | Public                |
| University of Mississippi - Oxford                  | 79,877                    | 89            | 55           | Public                |
| Wake Forest University                              | 79,631                    | 90            | 35           | Private               |
| Texas Christian University                          | 79,242                    | 91            | 36           | Private               |
| University of Maryland - College Park               | 79,118                    | 92            | 56           | Public                |
| University of Kentucky                              | 78,903                    | 93            | 57           | Public                |
| Texas Tech University                               | 78,771                    | 94            | 58           | Public                |
| Tulane University                                   | 77,824                    | 95            | 37           | Private               |
| Baylor University                                   | 77,259                    | 96            | 38           | Private               |
| University of California - Irvine                   | 77,210                    | 97            | 59           | Public                |
| Clemson University                                  | 75,666                    | 98            | 60           | Public                |
| Yeshiva University                                  | 75,591                    | 99            | 39           | Private               |
| Syracuse University                                 | 74,656                    | 100           | 40           | Private               |

## The Top 200 Institutions – Annual Giving (2013)

| Top 101-150 Institutions<br>in Annual Giving         | Annual<br>Giving<br>x \$1000 | National<br>Rank | Control<br>Rank | Institutional<br>Control |
|------------------------------------------------------|------------------------------|------------------|-----------------|--------------------------|
| Washington and Lee University                        | 74,522                       | 101              | 41              | Private                  |
| San Diego State University                           | 72,452                       | 102              | 61              | Public                   |
| University of Nebraska Medical Center                | 70,505                       | 103              | 62              | Public                   |
| College of William and Mary                          | 69,028                       | 104              | 63              | Public                   |
| Auburn University                                    | 67,911                       | 105              | 64              | Public                   |
| Mississippi State University                         | 65,925                       | 106              | 65              | Public                   |
| University of New Mexico - Albuquerque               | 65,919                       | 107              | 66              | Public                   |
| Drexel University                                    | 64,953                       | 108              | 42              | Private                  |
| Amherst College                                      | 64,506                       | 109              | 43              | Private                  |
| University of Alabama - Birmingham                   | 63,762                       | 110              | 67              | Public                   |
| University of Colorado - Boulder                     | 63,377                       | 111              | 68              | Public                   |
| Temple University                                    | 63,014                       | 112              | 69              | Public                   |
| University of Hawaii - Manoa                         | 62,465                       | 113              | 70              | Public                   |
| Iowa State University                                | 62,288                       | 114              | 71              | Public                   |
| Florida State University                             | 61,270                       | 115              | 72              | Public                   |
| University of California - Santa Barbara             | 60,999                       | 116              | 73              | Public                   |
| Virginia Commonwealth University                     | 59,238                       | 117              | 74              | Public                   |
| Marquette University                                 | 58,607                       | 118              | 44              | Private                  |
| University of Denver                                 | 57,798                       | 119              | 45              | Private                  |
| Vassar College                                       | 56,560                       | 120              | 46              | Private                  |
| University of Illinois - Chicago                     | 55,700                       | 121              | 75              | Public                   |
| University of Tulsa                                  | 55,437                       | 122              | 47              | Private                  |
| Brandeis University                                  | 54,556                       | 123              | 48              | Private                  |
| Tufts University                                     | 52,260                       | 124              | 49              | Private                  |
| University of Colorado - Denver                      | 51,596                       | 125              | 76              | Public                   |
| Swarthmore College                                   | 50,335                       | 126              | 50              | Private                  |
| Fordham University                                   | 49,894                       | 127              | 51              | Private                  |
| Villanova University                                 | 47,511                       | 128              | 52              | Private                  |
| University of Delaware                               | 46,844                       | 129              | 77              | Public                   |
| Northeastern University                              | 46,828                       | 130              | 53              | Private                  |
| Bowdoin College                                      | 45,415                       | 131              | 54              | Private                  |
| Washington State University - Pullman                | 45,336                       | 132              | 78              | Public                   |
| University of Akron - Akron                          | 45,304                       | 133              | 79              | Public                   |
| George Mason University                              | 44,617                       | 134              | 80              | Public                   |
| Lehigh University                                    | 44,614                       | 135              | 55              | Private                  |
| University of Evansville                             | 44,126                       | 136              | 56              | Private                  |
| University of Wyoming                                | 43,884                       | 137              | 81              | Public                   |
| Medical University of South Carolina                 | 43,841                       | 138              | 82              | Public                   |
| Loyola University Chicago                            | 43,488                       | 139              | 57              | Private                  |
| Chapman University                                   | 42,884                       | 140              | 58              | Private                  |
| Wesleyan University                                  | 42,079                       | 141              | 59              | Private                  |
| Williams College                                     | 41,922                       | 142              | 60              | Private                  |
| Rensselaer Polytechnic Institute                     | 41,814                       | 143              | 61              | Private                  |
| Creighton University                                 | 41,520                       | 144              | 62              | Private                  |
| Middlebury College                                   | 41,078                       | 145              | 63              | Private                  |
| Wellesley College                                    | 40,835                       | 146              | 64              | Private                  |
| Harvey Mudd College                                  | 40,622                       | 147              | 65              | Private                  |
| Santa Clara University                               | 39,800                       | 148              | 66              | Private                  |
| University of Texas Health Science Center - Houston  | 39,323                       | 149              | 83              | Public                   |
| Pennsylvania State University - Hershey Medical Ctr. | 39,174                       | 150              | 84              | Public                   |

## The Top 200 Institutions – Annual Giving (2013)

| Top 151-200 Institutions<br>in Annual Giving          | Annual<br>Giving<br>x \$1000 | National<br>Rank | Control<br>Rank | Institutional<br>Control |
|-------------------------------------------------------|------------------------------|------------------|-----------------|--------------------------|
| University of Connecticut - Storrs                    | 38,982                       | 151              | 85              | Public                   |
| University of Central Florida                         | 38,839                       | 152              | 86              | Public                   |
| U.S. Military Academy                                 | 38,294                       | 153              | 87              | Public                   |
| Smith College                                         | 37,932                       | 154              | 67              | Private                  |
| University of Texas Health Science Ctr. - San Antonio | 37,617                       | 155              | 88              | Public                   |
| Rockefeller University                                | 37,562                       | 156              | 68              | Private                  |
| University of Vermont                                 | 37,003                       | 157              | 89              | Public                   |
| University of South Florida - Tampa                   | 36,520                       | 158              | 90              | Public                   |
| Western Michigan University                           | 36,309                       | 159              | 91              | Public                   |
| City University of NY - Hunter College                | 36,284                       | 160              | 92              | Public                   |
| City University of NY - City College                  | 35,653                       | 161              | 93              | Public                   |
| Davidson College                                      | 35,469                       | 162              | 69              | Private                  |
| University of Kansas Medical Center                   | 33,938                       | 163              | 94              | Public                   |
| Saint Louis University - St. Louis                    | 33,936                       | 164              | 70              | Private                  |
| Georgia Health Sciences University                    | 33,894                       | 165              | 95              | Public                   |
| Illinois Institute of Technology                      | 33,389                       | 166              | 71              | Private                  |
| University of Wisconsin - Milwaukee                   | 33,019                       | 167              | 96              | Public                   |
| Mount Holyoke College                                 | 32,736                       | 168              | 72              | Private                  |
| Claremont McKenna College                             | 32,665                       | 169              | 73              | Private                  |
| Utah State University                                 | 32,488                       | 170              | 97              | Public                   |
| Miami University - Oxford                             | 32,487                       | 171              | 98              | Public                   |
| University of Oklahoma Health Sciences Center         | 32,210                       | 172              | 99              | Public                   |
| DePauw University                                     | 31,948                       | 173              | 74              | Private                  |
| University of Massachusetts - Amherst                 | 31,914                       | 174              | 100             | Public                   |
| University of Texas - Dallas                          | 31,666                       | 175              | 101             | Public                   |
| Thomas Jefferson University                           | 31,469                       | 176              | 75              | Private                  |
| Colorado School of Mines                              | 31,152                       | 177              | 102             | Public                   |
| Wheaton College (IL)                                  | 30,263                       | 178              | 76              | Private                  |
| Boise State University                                | 30,239                       | 179              | 103             | Public                   |
| University of Texas Medical Branch - Galveston        | 29,682                       | 180              | 104             | Public                   |
| San Jose State University                             | 29,511                       | 181              | 105             | Public                   |
| Oberlin College                                       | 29,068                       | 182              | 77              | Private                  |
| Colgate University                                    | 28,993                       | 183              | 78              | Private                  |
| American University                                   | 28,839                       | 184              | 79              | Private                  |
| University at Buffalo                                 | 28,700                       | 185              | 106             | Public                   |
| University of Nevada - Reno                           | 28,426                       | 186              | 107             | Public                   |
| Bucknell University                                   | 27,891                       | 187              | 80              | Private                  |
| Carleton College                                      | 27,800                       | 188              | 81              | Private                  |
| University of Texas - El Paso                         | 27,502                       | 189              | 108             | Public                   |
| University of Arkansas for Medical Sciences           | 27,370                       | 190              | 109             | Public                   |
| College of the Holy Cross                             | 25,806                       | 191              | 82              | Private                  |
| University of Richmond                                | 25,548                       | 192              | 83              | Private                  |
| University of California - Riverside                  | 25,450                       | 193              | 110             | Public                   |
| Pepperdine University                                 | 25,379                       | 194              | 84              | Private                  |
| University of San Diego                               | 25,310                       | 195              | 85              | Private                  |
| Hamilton College (NY)                                 | 25,145                       | 196              | 86              | Private                  |
| Florida International University                      | 24,706                       | 197              | 111             | Public                   |
| City University of NY - Bernard M. Baruch College     | 24,535                       | 198              | 112             | Public                   |
| U.S. Naval Academy                                    | 24,131                       | 199              | 113             | Public                   |
| Saint Edward's University                             | 24,125                       | 200              | 87              | Private                  |

## The Top 200 Institutions – National Academy Membership (2013)

| Top 1-54 Institutions in National Academy Membership | Number of Members | National Rank | Control Rank | Institutional Control |
|------------------------------------------------------|-------------------|---------------|--------------|-----------------------|
| Harvard University                                   | 356               | 1             | 1            | Private               |
| Stanford University                                  | 310               | 2             | 2            | Private               |
| Massachusetts Institute of Technology                | 270               | 3             | 3            | Private               |
| University of California - Berkeley                  | 227               | 4             | 1            | Public                |
| University of California - San Francisco             | 129               | 5             | 2            | Public                |
| Columbia University                                  | 125               | 6             | 4            | Private               |
| Princeton University                                 | 120               | 7             | 5            | Private               |
| University of California - San Diego                 | 117               | 8             | 3            | Public                |
| University of Pennsylvania                           | 114               | 9             | 6            | Private               |
| California Institute of Technology                   | 111               | 10            | 7            | Private               |
| Yale University                                      | 111               | 10            | 7            | Private               |
| University of Washington - Seattle                   | 110               | 12            | 4            | Public                |
| University of Michigan - Ann Arbor                   | 100               | 13            | 5            | Public                |
| University of California - Los Angeles               | 95                | 14            | 6            | Public                |
| Johns Hopkins University                             | 91                | 15            | 9            | Private               |
| University of Wisconsin - Madison                    | 70                | 16            | 7            | Public                |
| University of Texas - Austin                         | 69                | 17            | 8            | Public                |
| Duke University                                      | 63                | 18            | 10           | Private               |
| University of Chicago                                | 63                | 18            | 10           | Private               |
| Cornell University                                   | 61                | 20            | 12           | Private               |
| University of California - Santa Barbara             | 57                | 21            | 9            | Public                |
| University of Illinois - Urbana-Champaign            | 57                | 21            | 9            | Public                |
| New York University                                  | 52                | 23            | 13           | Private               |
| University of Southern California                    | 50                | 24            | 14           | Private               |
| Washington University in St. Louis                   | 48                | 25            | 15           | Private               |
| Rockefeller University                               | 46                | 26            | 16           | Private               |
| University of California - Davis                     | 44                | 27            | 11           | Public                |
| Northwestern University                              | 43                | 28            | 17           | Private               |
| University of Minnesota - Twin Cities                | 39                | 29            | 12           | Public                |
| University of Texas SW Medical Center - Dallas       | 38                | 30            | 13           | Public                |
| Carnegie Mellon University                           | 37                | 31            | 18           | Private               |
| Rutgers University - New Brunswick                   | 37                | 31            | 14           | Public                |
| University of North Carolina - Chapel Hill           | 34                | 33            | 15           | Public                |
| Ohio State University - Columbus                     | 32                | 34            | 16           | Public                |
| University of Pittsburgh - Pittsburgh                | 32                | 34            | 16           | Public                |
| University of Maryland - College Park                | 31                | 36            | 18           | Public                |
| Vanderbilt University                                | 31                | 36            | 19           | Private               |
| University of California - Irvine                    | 30                | 38            | 19           | Public                |
| University of Colorado - Boulder                     | 30                | 38            | 19           | Public                |
| University of Arizona                                | 28                | 40            | 21           | Public                |
| Emory University                                     | 27                | 41            | 20           | Private               |
| University of Rochester                              | 27                | 41            | 20           | Private               |
| Georgia Institute of Technology                      | 26                | 43            | 22           | Public                |
| Pennsylvania State University - University Park      | 26                | 43            | 22           | Public                |
| Scripps Research Institute                           | 26                | 43            | 22           | Private               |
| University of Virginia                               | 26                | 43            | 22           | Public                |
| Purdue University - West Lafayette                   | 25                | 47            | 25           | Public                |
| Rice University                                      | 25                | 47            | 23           | Private               |
| University of Florida                                | 24                | 49            | 26           | Public                |
| Weill Cornell Medical College                        | 24                | 49            | 24           | Private               |
| Baylor College of Medicine                           | 22                | 51            | 25           | Private               |
| Texas A&M University - College Station               | 22                | 51            | 27           | Public                |
| University of Iowa                                   | 22                | 51            | 27           | Public                |
| Arizona State University - Tempe                     | 21                | 54            | 29           | Public                |
| Gerstner Sloan-Kettering Graduate Sch. of Bio. Sci.  | 21                | 54            | 26           | Private               |

## The Top 200 Institutions – National Academy Membership (2013)

| Top 56-105 Institutions in National Academy Membership | Number of Members | National Rank | Control Rank | Institutional Control |
|--------------------------------------------------------|-------------------|---------------|--------------|-----------------------|
| Boston University                                      | 20                | 56            | 27           | Private               |
| Case Western Reserve University                        | 19                | 57            | 28           | Private               |
| Brown University                                       | 18                | 58            | 29           | Private               |
| North Carolina State University                        | 18                | 58            | 30           | Public                |
| University of Utah                                     | 17                | 60            | 31           | Public                |
| Icahn School of Medicine at Mount Sinai                | 16                | 61            | 30           | Private               |
| University of Colorado - Denver                        | 15                | 62            | 32           | Public                |
| Virginia Polytechnic Institute and State University    | 15                | 62            | 32           | Public                |
| Dartmouth College                                      | 14                | 64            | 31           | Private               |
| Stony Brook University                                 | 14                | 64            | 34           | Public                |
| Yeshiva University                                     | 13                | 66            | 32           | Private               |
| Brandeis University                                    | 12                | 67            | 33           | Private               |
| Tufts University                                       | 11                | 68            | 34           | Private               |
| City University of NY - City College                   | 10                | 69            | 35           | Public                |
| George Washington University                           | 10                | 69            | 35           | Private               |
| Georgetown University                                  | 10                | 69            | 35           | Private               |
| Michigan State University                              | 10                | 69            | 35           | Public                |
| University of Miami                                    | 10                | 69            | 35           | Private               |
| Oregon Health & Science University                     | 9                 | 74            | 37           | Public                |
| University of California - Santa Cruz                  | 9                 | 74            | 37           | Public                |
| University of Cincinnati - Cincinnati                  | 9                 | 74            | 37           | Public                |
| University of Hawaii - Manoa                           | 9                 | 74            | 37           | Public                |
| University of Houston - University Park                | 9                 | 74            | 37           | Public                |
| University of Maryland - Baltimore                     | 9                 | 74            | 37           | Public                |
| University of Oregon                                   | 9                 | 74            | 37           | Public                |
| University of Texas MD Anderson Cancer Center          | 9                 | 74            | 37           | Public                |
| Washington State University - Pullman                  | 9                 | 74            | 37           | Public                |
| Indiana University - Bloomington                       | 8                 | 83            | 46           | Public                |
| Lehigh University                                      | 8                 | 83            | 38           | Private               |
| Rensselaer Polytechnic Institute                       | 8                 | 83            | 38           | Private               |
| University of California - Riverside                   | 8                 | 83            | 46           | Public                |
| University of Illinois - Chicago                       | 8                 | 83            | 46           | Public                |
| University of Massachusetts - Amherst                  | 8                 | 83            | 46           | Public                |
| University of Missouri - Columbia                      | 8                 | 83            | 46           | Public                |
| Howard University                                      | 7                 | 90            | 40           | Private               |
| Iowa State University                                  | 7                 | 90            | 51           | Public                |
| University at Buffalo                                  | 7                 | 90            | 51           | Public                |
| University of Alabama - Birmingham                     | 7                 | 90            | 51           | Public                |
| University of Delaware                                 | 7                 | 90            | 51           | Public                |
| Drexel University                                      | 6                 | 95            | 41           | Private               |
| Florida State University                               | 6                 | 95            | 55           | Public                |
| Indiana University-Purdue University - Indianapolis    | 6                 | 95            | 55           | Public                |
| Polytechnic Institute of New York University           | 6                 | 95            | 41           | Private               |
| University of Georgia                                  | 6                 | 95            | 55           | Public                |
| Virginia Commonwealth University                       | 6                 | 95            | 55           | Public                |
| Colorado State University - Fort Collins               | 5                 | 101           | 59           | Public                |
| University of Kansas - Lawrence                        | 5                 | 101           | 59           | Public                |
| University of Massachusetts Med. Sch. - Worcester      | 5                 | 101           | 59           | Public                |
| Wake Forest University                                 | 5                 | 101           | 43           | Private               |
| Cold Spring Harbor Lab. - Watson Sch. of Bio. Sci.     | 4                 | 105           | 44           | Private               |
| Colorado School of Mines                               | 4                 | 105           | 62           | Public                |
| Oregon State University                                | 4                 | 105           | 62           | Public                |
| Syracuse University                                    | 4                 | 105           | 44           | Private               |
| Uniformed Services Univ. of the Health Sciences        | 4                 | 105           | 62           | Public                |
| University of Connecticut - Health Center              | 4                 | 105           | 62           | Public                |

## The Top 200 Institutions – National Academy Membership (2013)

| Top 105-137 Institutions in National Academy Membership | Number of Members | National Rank | Control Rank | Institutional Control |
|---------------------------------------------------------|-------------------|---------------|--------------|-----------------------|
| University of Notre Dame                                | 4                 | 105           | 44           | Private               |
| University of Tennessee - Knoxville                     | 4                 | 105           | 62           | Public                |
| University of Texas - Dallas                            | 4                 | 105           | 62           | Public                |
| University of Texas Health Science Ctr. - San Antonio   | 4                 | 105           | 62           | Public                |
| Boston College                                          | 3                 | 115           | 47           | Private               |
| Clark University (MA)                                   | 3                 | 115           | 47           | Private               |
| Illinois Institute of Technology                        | 3                 | 115           | 47           | Private               |
| Louisiana State University - Baton Rouge                | 3                 | 115           | 69           | Public                |
| Medical College of Wisconsin                            | 3                 | 115           | 47           | Private               |
| Medical University of South Carolina                    | 3                 | 115           | 69           | Public                |
| Morehouse School of Medicine                            | 3                 | 115           | 47           | Private               |
| Naval Postgraduate School                               | 3                 | 115           | 69           | Public                |
| Northeastern University                                 | 3                 | 115           | 47           | Private               |
| Oklahoma State University - Stillwater                  | 3                 | 115           | 69           | Public                |
| Southern Methodist University                           | 3                 | 115           | 47           | Private               |
| Temple University                                       | 3                 | 115           | 69           | Public                |
| Texas A&M Health Science Center                         | 3                 | 115           | 69           | Public                |
| Texas Tech University                                   | 3                 | 115           | 69           | Public                |
| Thomas Jefferson University                             | 3                 | 115           | 47           | Private               |
| University of Arkansas - Fayetteville                   | 3                 | 115           | 69           | Public                |
| University of Kentucky                                  | 3                 | 115           | 69           | Public                |
| University of New Mexico - Albuquerque                  | 3                 | 115           | 69           | Public                |
| University of South Florida - Tampa                     | 3                 | 115           | 69           | Public                |
| University of Texas Health Science Center - Houston     | 3                 | 115           | 69           | Public                |
| University of Texas Medical Branch - Galveston          | 3                 | 115           | 69           | Public                |
| Woods Hole Oceanographic Institution                    | 3                 | 115           | 47           | Private               |
| Chapman University                                      | 2                 | 137           | 56           | Private               |
| Clemson University                                      | 2                 | 137           | 82           | Public                |
| Drew University                                         | 2                 | 137           | 56           | Private               |
| Florida Atlantic University                             | 2                 | 137           | 82           | Public                |
| Florida Institute of Technology                         | 2                 | 137           | 56           | Private               |
| George Mason University                                 | 2                 | 137           | 82           | Public                |
| Mayo Medical School                                     | 2                 | 137           | 56           | Private               |
| Meharry Medical College                                 | 2                 | 137           | 56           | Private               |
| Mississippi State University                            | 2                 | 137           | 82           | Public                |
| New Jersey Institute of Technology                      | 2                 | 137           | 82           | Public                |
| Pardee RAND Graduate School                             | 2                 | 137           | 56           | Private               |
| Pennsylvania State University - Hershey Medical Ctr.    | 2                 | 137           | 82           | Public                |
| Rush University                                         | 2                 | 137           | 56           | Private               |
| Stevens Institute of Technology                         | 2                 | 137           | 56           | Private               |
| University at Albany                                    | 2                 | 137           | 82           | Public                |
| University of Kansas Medical Center                     | 2                 | 137           | 82           | Public                |
| University of Louisville                                | 2                 | 137           | 82           | Public                |
| University of Medicine & Dentistry of New Jersey        | 2                 | 137           | 82           | Public                |
| University of Nebraska - Lincoln                        | 2                 | 137           | 82           | Public                |
| University of Nevada - Reno                             | 2                 | 137           | 82           | Public                |
| University of North Texas                               | 2                 | 137           | 82           | Public                |
| University of Rhode Island                              | 2                 | 137           | 82           | Public                |
| University of South Carolina - Columbia                 | 2                 | 137           | 82           | Public                |
| University of Texas System Office                       | 2                 | 137           | 82           | Public                |
| University of Tulsa                                     | 2                 | 137           | 56           | Private               |
| University of Vermont                                   | 2                 | 137           | 82           | Public                |
| University of Wyoming                                   | 2                 | 137           | 82           | Public                |
| Wayne State University                                  | 2                 | 137           | 82           | Public                |

## The Top 200 Institutions – National Academy Membership (2013)

| Institutions with at Least 1 Member<br>in National Academy Membership | Number<br>of Members | National<br>Rank | Control<br>Rank | Institutional<br>Control |
|-----------------------------------------------------------------------|----------------------|------------------|-----------------|--------------------------|
| Auburn University                                                     | 1                    | 165              | 101             | Public                   |
| Barnard College                                                       | 1                    | 165              | 65              | Private                  |
| Binghamton University                                                 | 1                    | 165              | 101             | Public                   |
| Brigham Young University - Provo                                      | 1                    | 165              | 65              | Private                  |
| Butler University                                                     | 1                    | 165              | 65              | Private                  |
| California State University - Fullerton                               | 1                    | 165              | 101             | Public                   |
| Charles R. Drew University of Medicine and Science                    | 1                    | 165              | 65              | Private                  |
| City University of NY - Graduate Sch. and Univ. Ctr.                  | 1                    | 165              | 101             | Public                   |
| Duquesne University                                                   | 1                    | 165              | 65              | Private                  |
| Florida International University                                      | 1                    | 165              | 101             | Public                   |
| Fordham University                                                    | 1                    | 165              | 65              | Private                  |
| Franklin W. Olin College of Engineering                               | 1                    | 165              | 65              | Private                  |
| Grinnell College                                                      | 1                    | 165              | 65              | Private                  |
| Haverford College                                                     | 1                    | 165              | 65              | Private                  |
| Kansas State University                                               | 1                    | 165              | 101             | Public                   |
| Kent State University at Kent                                         | 1                    | 165              | 101             | Public                   |
| Kentucky State University                                             | 1                    | 165              | 101             | Public                   |
| Manhattan College                                                     | 1                    | 165              | 65              | Private                  |
| Marshall University                                                   | 1                    | 165              | 101             | Public                   |
| Michigan Technological University                                     | 1                    | 165              | 101             | Public                   |
| Missouri University of Science and Technology                         | 1                    | 165              | 101             | Public                   |
| Monmouth University                                                   | 1                    | 165              | 65              | Private                  |
| New Mexico Institute of Mining and Technology                         | 1                    | 165              | 101             | Public                   |
| Portland State University                                             | 1                    | 165              | 101             | Public                   |
| Rutgers University - Newark                                           | 1                    | 165              | 101             | Public                   |
| Sage Colleges System Office                                           | 1                    | 165              | 65              | Private                  |
| Saint Louis University - St. Louis                                    | 1                    | 165              | 65              | Private                  |
| South Dakota School of Mines and Technology                           | 1                    | 165              | 101             | Public                   |
| Teachers College at Columbia University                               | 1                    | 165              | 65              | Private                  |
| Tulane University                                                     | 1                    | 165              | 65              | Private                  |
| U.S. Military Academy                                                 | 1                    | 165              | 101             | Public                   |
| University of Akron - Akron                                           | 1                    | 165              | 101             | Public                   |
| University of Alaska - Fairbanks                                      | 1                    | 165              | 101             | Public                   |
| University of Arkansas - Little Rock                                  | 1                    | 165              | 101             | Public                   |
| University of Arkansas for Medical Sciences                           | 1                    | 165              | 101             | Public                   |
| University of California System Admin Central Office                  | 1                    | 165              | 101             | Public                   |
| University of Central Florida                                         | 1                    | 165              | 101             | Public                   |
| University of Connecticut - Storrs                                    | 1                    | 165              | 101             | Public                   |
| University of Hawaii - Hilo                                           | 1                    | 165              | 101             | Public                   |
| University of Hawaii System Office                                    | 1                    | 165              | 101             | Public                   |
| University of Maine - Orono                                           | 1                    | 165              | 101             | Public                   |
| University of Massachusetts - Boston                                  | 1                    | 165              | 101             | Public                   |
| University of Missouri - St. Louis                                    | 1                    | 165              | 101             | Public                   |
| University of Nebraska Medical Center                                 | 1                    | 165              | 101             | Public                   |
| University of Oklahoma - Norman                                       | 1                    | 165              | 101             | Public                   |
| University of Oklahoma Health Sciences Center                         | 1                    | 165              | 101             | Public                   |
| University of Tennessee - Chattanooga                                 | 1                    | 165              | 101             | Public                   |
| University of Texas - Arlington                                       | 1                    | 165              | 101             | Public                   |
| University of Wisconsin - Milwaukee                                   | 1                    | 165              | 101             | Public                   |
| Villanova University                                                  | 1                    | 165              | 65              | Private                  |
| Washington and Lee University                                         | 1                    | 165              | 65              | Private                  |
| West Virginia University                                              | 1                    | 165              | 101             | Public                   |
| Worcester Polytechnic Institute                                       | 1                    | 165              | 65              | Private                  |
| Wright State University - Dayton                                      | 1                    | 165              | 101             | Public                   |
| Xavier University of Louisiana                                        | 1                    | 165              | 65              | Private                  |

## The Top 200 Institutions – Faculty Awards (2013)

| Top 1-47 Institutions<br>in Faculty Awards        | Number<br>of Awards | National<br>Rank | Control<br>Rank | Institutional<br>Control |
|---------------------------------------------------|---------------------|------------------|-----------------|--------------------------|
| Harvard University                                | 87                  | 1                | 1               | Private                  |
| University of Michigan - Ann Arbor                | 50                  | 2                | 1               | Public                   |
| Stanford University                               | 48                  | 3                | 2               | Private                  |
| University of California - San Francisco          | 40                  | 4                | 2               | Public                   |
| University of Washington - Seattle                | 39                  | 5                | 3               | Public                   |
| Yale University                                   | 37                  | 6                | 3               | Private                  |
| University of California - San Diego              | 35                  | 7                | 4               | Public                   |
| University of California - Los Angeles            | 33                  | 8                | 5               | Public                   |
| Columbia University                               | 32                  | 9                | 4               | Private                  |
| University of California - Berkeley               | 32                  | 9                | 6               | Public                   |
| University of Minnesota - Twin Cities             | 32                  | 9                | 6               | Public                   |
| Massachusetts Institute of Technology             | 29                  | 12               | 5               | Private                  |
| Ohio State University - Columbus                  | 29                  | 12               | 8               | Public                   |
| University of Illinois - Urbana-Champaign         | 29                  | 12               | 8               | Public                   |
| University of Pennsylvania                        | 29                  | 12               | 5               | Private                  |
| University of Pittsburgh - Pittsburgh             | 28                  | 16               | 10              | Public                   |
| University of Wisconsin - Madison                 | 26                  | 17               | 11              | Public                   |
| New York University                               | 25                  | 18               | 7               | Private                  |
| Johns Hopkins University                          | 24                  | 19               | 8               | Private                  |
| University of Chicago                             | 24                  | 19               | 8               | Private                  |
| Northwestern University                           | 22                  | 21               | 10              | Private                  |
| Boston University                                 | 21                  | 22               | 11              | Private                  |
| Pennsylvania State University - University Park   | 21                  | 22               | 12              | Public                   |
| University of North Carolina - Chapel Hill        | 21                  | 22               | 12              | Public                   |
| Duke University                                   | 20                  | 25               | 12              | Private                  |
| Rutgers University - New Brunswick                | 20                  | 25               | 14              | Public                   |
| Washington University in St. Louis                | 20                  | 25               | 12              | Private                  |
| Cornell University                                | 19                  | 28               | 14              | Private                  |
| University of Colorado - Boulder                  | 19                  | 28               | 15              | Public                   |
| University of Southern California                 | 19                  | 28               | 14              | Private                  |
| Emory University                                  | 18                  | 31               | 16              | Private                  |
| Texas A&M University - College Station            | 18                  | 31               | 16              | Public                   |
| Indiana University - Bloomington                  | 17                  | 33               | 17              | Public                   |
| Princeton University                              | 17                  | 33               | 17              | Private                  |
| University of Texas - Austin                      | 17                  | 33               | 17              | Public                   |
| Brown University                                  | 16                  | 36               | 18              | Private                  |
| Michigan State University                         | 16                  | 36               | 19              | Public                   |
| Vanderbilt University                             | 16                  | 36               | 18              | Private                  |
| Georgia Institute of Technology                   | 15                  | 39               | 20              | Public                   |
| University of California - Irvine                 | 15                  | 39               | 20              | Public                   |
| University of Florida                             | 15                  | 39               | 20              | Public                   |
| University of Notre Dame                          | 15                  | 39               | 20              | Private                  |
| University of Texas SW Medical Center - Dallas    | 15                  | 39               | 20              | Public                   |
| North Carolina State University                   | 14                  | 44               | 24              | Public                   |
| Purdue University - West Lafayette                | 14                  | 44               | 24              | Public                   |
| University of California - Davis                  | 14                  | 44               | 24              | Public                   |
| University at Buffalo                             | 13                  | 47               | 27              | Public                   |
| University of Massachusetts Med. Sch. - Worcester | 13                  | 47               | 27              | Public                   |
| University of Utah                                | 13                  | 47               | 27              | Public                   |
| Virginia Commonwealth University                  | 13                  | 47               | 27              | Public                   |

## The Top 200 Institutions – Faculty Awards (2013)

| Top 51-88 Institutions<br>in Faculty Awards         | Number<br>of Awards | National<br>Rank | Control<br>Rank | Institutional<br>Control |
|-----------------------------------------------------|---------------------|------------------|-----------------|--------------------------|
| Dartmouth College                                   | 12                  | 51               | 21              | Private                  |
| George Washington University                        | 12                  | 51               | 21              | Private                  |
| Texas Tech University                               | 12                  | 51               | 31              | Public                   |
| University of Arizona                               | 12                  | 51               | 31              | Public                   |
| University of Iowa                                  | 12                  | 51               | 31              | Public                   |
| University of Kentucky                              | 12                  | 51               | 31              | Public                   |
| University of Massachusetts - Amherst               | 12                  | 51               | 31              | Public                   |
| Brandeis University                                 | 11                  | 58               | 23              | Private                  |
| Case Western Reserve University                     | 11                  | 58               | 23              | Private                  |
| Stony Brook University                              | 11                  | 58               | 36              | Public                   |
| University of California - Santa Barbara            | 11                  | 58               | 36              | Public                   |
| University of Cincinnati - Cincinnati               | 11                  | 58               | 36              | Public                   |
| University of Hawaii - Manoa                        | 11                  | 58               | 36              | Public                   |
| University of Maryland - College Park               | 11                  | 58               | 36              | Public                   |
| University of Tennessee - Knoxville                 | 11                  | 58               | 36              | Public                   |
| University of Virginia                              | 11                  | 58               | 36              | Public                   |
| Boston College                                      | 10                  | 67               | 25              | Private                  |
| California Institute of Technology                  | 10                  | 67               | 25              | Private                  |
| Carnegie Mellon University                          | 10                  | 67               | 25              | Private                  |
| Iowa State University                               | 10                  | 67               | 43              | Public                   |
| Scripps Research Institute                          | 10                  | 67               | 25              | Private                  |
| University of California - Riverside                | 9                   | 72               | 44              | Public                   |
| University of Nebraska - Lincoln                    | 9                   | 72               | 44              | Public                   |
| Weill Cornell Medical College                       | 9                   | 72               | 29              | Private                  |
| College of William and Mary                         | 8                   | 75               | 46              | Public                   |
| Colorado State University - Fort Collins            | 8                   | 75               | 46              | Public                   |
| Northeastern University                             | 8                   | 75               | 30              | Private                  |
| Oregon State University                             | 8                   | 75               | 46              | Public                   |
| Temple University                                   | 8                   | 75               | 46              | Public                   |
| Tufts University                                    | 8                   | 75               | 30              | Private                  |
| University of Connecticut - Storrs                  | 8                   | 75               | 46              | Public                   |
| University of Georgia                               | 8                   | 75               | 46              | Public                   |
| University of Illinois - Chicago                    | 8                   | 75               | 46              | Public                   |
| University of Kansas - Lawrence                     | 8                   | 75               | 46              | Public                   |
| University of South Carolina - Columbia             | 8                   | 75               | 46              | Public                   |
| Washington State University - Pullman               | 8                   | 75               | 46              | Public                   |
| West Virginia University                            | 8                   | 75               | 46              | Public                   |
| City University of NY - Brooklyn College            | 7                   | 88               | 57              | Public                   |
| Drexel University                                   | 7                   | 88               | 32              | Private                  |
| Icahn School of Medicine at Mount Sinai             | 7                   | 88               | 32              | Private                  |
| Oregon Health & Science University                  | 7                   | 88               | 57              | Public                   |
| Rensselaer Polytechnic Institute                    | 7                   | 88               | 32              | Private                  |
| Rockefeller University                              | 7                   | 88               | 32              | Private                  |
| University of Miami                                 | 7                   | 88               | 32              | Private                  |
| University of New Mexico - Albuquerque              | 7                   | 88               | 57              | Public                   |
| University of Oregon                                | 7                   | 88               | 57              | Public                   |
| University of South Florida - Tampa                 | 7                   | 88               | 57              | Public                   |
| Utah State University                               | 7                   | 88               | 57              | Public                   |
| Virginia Polytechnic Institute and State University | 7                   | 88               | 57              | Public                   |
| Wake Forest University                              | 7                   | 88               | 32              | Private                  |
| Yeshiva University                                  | 7                   | 88               | 32              | Private                  |

## The Top 200 Institutions – Faculty Awards (2013)

| Top 102-135 Institutions<br>in Faculty Awards         | Number<br>of Awards | National<br>Rank | Control<br>Rank | Institutional<br>Control |
|-------------------------------------------------------|---------------------|------------------|-----------------|--------------------------|
| Brigham Young University - Provo                      | 6                   | 102              | 39              | Private                  |
| City University of NY - City College                  | 6                   | 102              | 64              | Public                   |
| Georgia State University                              | 6                   | 102              | 64              | Public                   |
| New School                                            | 6                   | 102              | 39              | Private                  |
| Rice University                                       | 6                   | 102              | 39              | Private                  |
| Saint Louis University - St. Louis                    | 6                   | 102              | 39              | Private                  |
| University of Central Florida                         | 6                   | 102              | 64              | Public                   |
| University of Colorado - Denver                       | 6                   | 102              | 64              | Public                   |
| University of Delaware                                | 6                   | 102              | 64              | Public                   |
| University of Maryland - Baltimore                    | 6                   | 102              | 64              | Public                   |
| University of Missouri - Columbia                     | 6                   | 102              | 64              | Public                   |
| University of Nevada - Reno                           | 6                   | 102              | 64              | Public                   |
| University of North Carolina - Charlotte              | 6                   | 102              | 64              | Public                   |
| University of Rochester                               | 6                   | 102              | 39              | Private                  |
| University of Vermont                                 | 6                   | 102              | 64              | Public                   |
| University of Wisconsin - Milwaukee                   | 6                   | 102              | 64              | Public                   |
| Wayne State University                                | 6                   | 102              | 64              | Public                   |
| American University                                   | 5                   | 119              | 44              | Private                  |
| Arizona State University - Tempe                      | 5                   | 119              | 76              | Public                   |
| Baylor College of Medicine                            | 5                   | 119              | 44              | Private                  |
| Bowdoin College                                       | 5                   | 119              | 44              | Private                  |
| Fordham University                                    | 5                   | 119              | 44              | Private                  |
| Kent State University at Kent                         | 5                   | 119              | 76              | Public                   |
| Louisiana State University - Baton Rouge              | 5                   | 119              | 76              | Public                   |
| Michigan Technological University                     | 5                   | 119              | 76              | Public                   |
| North Dakota State University                         | 5                   | 119              | 76              | Public                   |
| Ohio University - Athens                              | 5                   | 119              | 76              | Public                   |
| San Diego State University                            | 5                   | 119              | 76              | Public                   |
| Syracuse University                                   | 5                   | 119              | 44              | Private                  |
| University of Arkansas - Fayetteville                 | 5                   | 119              | 76              | Public                   |
| University of Houston - University Park               | 5                   | 119              | 76              | Public                   |
| University of Louisville                              | 5                   | 119              | 76              | Public                   |
| University of Richmond                                | 5                   | 119              | 44              | Private                  |
| Amherst College                                       | 4                   | 135              | 50              | Private                  |
| Binghamton University                                 | 4                   | 135              | 86              | Public                   |
| Bucknell University                                   | 4                   | 135              | 50              | Private                  |
| California Polytechnic State Univ. - San Luis Obispo  | 4                   | 135              | 86              | Public                   |
| Clemson University                                    | 4                   | 135              | 86              | Public                   |
| DePaul University                                     | 4                   | 135              | 50              | Private                  |
| Florida International University                      | 4                   | 135              | 86              | Public                   |
| Georgetown University                                 | 4                   | 135              | 50              | Private                  |
| Indiana University - Purdue University - Indianapolis | 4                   | 135              | 86              | Public                   |
| Marquette University                                  | 4                   | 135              | 50              | Private                  |
| Montana State University - Bozeman                    | 4                   | 135              | 86              | Public                   |
| New Jersey Institute of Technology                    | 4                   | 135              | 86              | Public                   |
| School of Visual Arts                                 | 4                   | 135              | 50              | Private For-Profit       |

## The Top 200 Institutions – Faculty Awards (2013)

| Top 135-156 Institutions<br>in Faculty Awards  | Number<br>of Awards | National<br>Rank | Control<br>Rank | Institutional<br>Control |
|------------------------------------------------|---------------------|------------------|-----------------|--------------------------|
| Seton Hall University                          | 4                   | 135              | 50              | Private                  |
| University of Alabama - Tuscaloosa             | 4                   | 135              | 86              | Public                   |
| University of California - Santa Cruz          | 4                   | 135              | 86              | Public                   |
| University of Idaho                            | 4                   | 135              | 86              | Public                   |
| University of Massachusetts - Boston           | 4                   | 135              | 86              | Public                   |
| University of North Texas                      | 4                   | 135              | 86              | Public                   |
| University of Rhode Island                     | 4                   | 135              | 86              | Public                   |
| University of South Alabama - Mobile           | 4                   | 135              | 86              | Public                   |
| Ball State University                          | 3                   | 156              | 100             | Public                   |
| Boise State University                         | 3                   | 156              | 100             | Public                   |
| Bowling Green State University - Bowling Green | 3                   | 156              | 100             | Public                   |
| California State University - Northridge       | 3                   | 156              | 100             | Public                   |
| College of Charleston                          | 3                   | 156              | 100             | Public                   |
| Columbia College - Chicago                     | 3                   | 156              | 57              | Private                  |
| Ferris State University                        | 3                   | 156              | 100             | Public                   |
| Florida Atlantic University                    | 3                   | 156              | 100             | Public                   |
| George Mason University                        | 3                   | 156              | 100             | Public                   |
| Grand Valley State University                  | 3                   | 156              | 100             | Public                   |
| Humboldt State University                      | 3                   | 156              | 100             | Public                   |
| Illinois State University                      | 3                   | 156              | 100             | Public                   |
| Kansas State University                        | 3                   | 156              | 100             | Public                   |
| Long Island University - CW Post Campus        | 3                   | 156              | 57              | Private                  |
| Loyola University Maryland                     | 3                   | 156              | 57              | Private                  |
| Mayo Graduate School                           | 3                   | 156              | 57              | Private                  |
| Metropolitan State University                  | 3                   | 156              | 100             | Public                   |
| Missouri State University - Springfield        | 3                   | 156              | 100             | Public                   |
| Northern Illinois University                   | 3                   | 156              | 100             | Public                   |
| Oklahoma State University - Stillwater         | 3                   | 156              | 100             | Public                   |
| Pomona College                                 | 3                   | 156              | 57              | Private                  |
| Reed College                                   | 3                   | 156              | 57              | Private                  |
| Saint Michael's College                        | 3                   | 156              | 57              | Private                  |
| Smith College                                  | 3                   | 156              | 57              | Private                  |
| State Univ. of New York - New Paltz            | 3                   | 156              | 100             | Public                   |
| Texas State University - San Marcos            | 3                   | 156              | 100             | Public                   |
| Tulane University                              | 3                   | 156              | 57              | Private                  |
| University of Alaska - Fairbanks               | 3                   | 156              | 100             | Public                   |
| University of Connecticut - Health Center      | 3                   | 156              | 100             | Public                   |
| University of Maryland - Baltimore County      | 3                   | 156              | 100             | Public                   |
| University of North Carolina - Wilmington      | 3                   | 156              | 100             | Public                   |
| University of Oklahoma - Norman                | 3                   | 156              | 100             | Public                   |
| University of Tennessee Health Science Center  | 3                   | 156              | 100             | Public                   |
| University of Wyoming                          | 3                   | 156              | 100             | Public                   |
| Vassar College                                 | 3                   | 156              | 57              | Private                  |
| Western Illinois University                    | 3                   | 156              | 100             | Public                   |
| Western Washington University                  | 3                   | 156              | 100             | Public                   |
| William Paterson University of New Jersey      | 3                   | 156              | 100             | Public                   |

## The Top 200 Institutions – Doctorates Awarded (2013)

| Top 1-50 Institutions<br>in Doctorates Awarded       | Number<br>of Degrees | National<br>Rank | Control<br>Rank | Institutional<br>Control |
|------------------------------------------------------|----------------------|------------------|-----------------|--------------------------|
| University of California - Berkeley                  | 937                  | 1                | 1               | Public                   |
| University of Michigan - Ann Arbor                   | 885                  | 2                | 2               | Public                   |
| University of Texas - Austin                         | 849                  | 3                | 3               | Public                   |
| University of Illinois - Urbana-Champaign            | 809                  | 4                | 4               | Public                   |
| Ohio State University - Columbus                     | 807                  | 5                | 5               | Public                   |
| University of California - Los Angeles               | 784                  | 6                | 6               | Public                   |
| University of Minnesota - Twin Cities                | 772                  | 7                | 7               | Public                   |
| University of Wisconsin - Madison                    | 772                  | 7                | 7               | Public                   |
| Stanford University                                  | 764                  | 9                | 1               | Private                  |
| University of Washington - Seattle                   | 763                  | 10               | 9               | Public                   |
| University of Florida                                | 742                  | 11               | 10              | Public                   |
| University of Maryland - College Park                | 696                  | 12               | 11              | Public                   |
| Texas A&M University - College Station               | 693                  | 13               | 12              | Public                   |
| Harvard University                                   | 686                  | 14               | 2               | Private                  |
| Purdue University - West Lafayette                   | 684                  | 15               | 13              | Public                   |
| University of Southern California                    | 663                  | 16               | 3               | Private                  |
| Pennsylvania State University - University Park      | 662                  | 17               | 14              | Public                   |
| Columbia University                                  | 627                  | 18               | 4               | Private                  |
| Massachusetts Institute of Technology                | 587                  | 19               | 5               | Private                  |
| University of California - Davis                     | 580                  | 20               | 15              | Public                   |
| Nova Southeastern University                         | 560                  | 21               | 6               | Private                  |
| University of Iowa                                   | 538                  | 22               | 16              | Public                   |
| Johns Hopkins University                             | 530                  | 23               | 7               | Private                  |
| University of North Carolina - Chapel Hill           | 530                  | 23               | 17              | Public                   |
| University of Pennsylvania                           | 527                  | 25               | 8               | Private                  |
| Arizona State University - Tempe                     | 519                  | 26               | 18              | Public                   |
| Michigan State University                            | 499                  | 27               | 19              | Public                   |
| Duke University                                      | 495                  | 28               | 9               | Private                  |
| Cornell University                                   | 490                  | 29               | 10              | Private                  |
| University of California - San Diego                 | 489                  | 30               | 20              | Public                   |
| Boston University                                    | 488                  | 31               | 11              | Private                  |
| Georgia Institute of Technology                      | 488                  | 31               | 21              | Public                   |
| North Carolina State University                      | 488                  | 31               | 21              | Public                   |
| University of Tennessee - Knoxville                  | 484                  | 34               | 23              | Public                   |
| Northwestern University                              | 481                  | 35               | 12              | Private                  |
| Indiana University - Bloomington                     | 479                  | 36               | 24              | Public                   |
| Virginia Polytechnic Institute and State University  | 479                  | 36               | 24              | Public                   |
| City University of NY - Graduate Sch. and Univ. Ctr. | 454                  | 38               | 26              | Public                   |
| University of Arizona                                | 441                  | 39               | 27              | Public                   |
| University of Georgia                                | 440                  | 40               | 28              | Public                   |
| University of California - Irvine                    | 435                  | 41               | 29              | Public                   |
| University of Pittsburgh - Pittsburgh                | 435                  | 41               | 29              | Public                   |
| Alliant International University - San Diego         | 429                  | 43               | 13              | Private                  |
| Rutgers University - New Brunswick                   | 417                  | 44               | 31              | Public                   |
| University of Chicago                                | 413                  | 45               | 14              | Private                  |
| University of Missouri - Columbia                    | 411                  | 46               | 32              | Public                   |
| New York University                                  | 405                  | 47               | 15              | Private                  |
| University of Virginia                               | 399                  | 48               | 33              | Public                   |
| Yale University                                      | 398                  | 49               | 16              | Private                  |
| University of California - Santa Barbara             | 387                  | 50               | 34              | Public                   |

## The Top 200 Institutions – Doctorates Awarded (2013)

| Top 51-100 Institutions<br>in Doctorates Awarded | Number<br>of Degrees | National<br>Rank | Control<br>Rank | Institutional<br>Control |
|--------------------------------------------------|----------------------|------------------|-----------------|--------------------------|
| University of Colorado - Boulder                 | 386                  | 51               | 35              | Public                   |
| Florida State University                         | 370                  | 52               | 36              | Public                   |
| Iowa State University                            | 363                  | 53               | 37              | Public                   |
| University of Illinois - Chicago                 | 352                  | 54               | 38              | Public                   |
| University at Buffalo                            | 335                  | 55               | 39              | Public                   |
| University of South Carolina - Columbia          | 334                  | 56               | 40              | Public                   |
| University of Kansas - Lawrence                  | 325                  | 57               | 41              | Public                   |
| University of Nebraska - Lincoln                 | 325                  | 57               | 41              | Public                   |
| University of Utah                               | 324                  | 59               | 43              | Public                   |
| Virginia Commonwealth University                 | 324                  | 59               | 43              | Public                   |
| Princeton University                             | 319                  | 61               | 17              | Private                  |
| University of Houston - University Park          | 317                  | 62               | 45              | Public                   |
| Vanderbilt University                            | 310                  | 63               | 18              | Private                  |
| Stony Brook University                           | 309                  | 64               | 46              | Public                   |
| Louisiana State University - Baton Rouge         | 305                  | 65               | 47              | Public                   |
| University of Kentucky                           | 305                  | 65               | 47              | Public                   |
| Carnegie Mellon University                       | 295                  | 67               | 19              | Private                  |
| University of Massachusetts - Amherst            | 295                  | 67               | 49              | Public                   |
| University of South Florida - Tampa              | 295                  | 67               | 49              | Public                   |
| University of Rochester                          | 290                  | 70               | 20              | Private                  |
| Texas Tech University                            | 283                  | 71               | 51              | Public                   |
| University of Connecticut - Storrs               | 272                  | 72               | 52              | Public                   |
| University of Medicine & Dentistry of New Jersey | 272                  | 72               | 52              | Public                   |
| Washington State University - Pullman            | 268                  | 74               | 54              | Public                   |
| University of California - Riverside             | 255                  | 75               | 55              | Public                   |
| Washington University in St. Louis               | 255                  | 75               | 21              | Private                  |
| George Mason University                          | 249                  | 77               | 56              | Public                   |
| Oklahoma State University - Stillwater           | 238                  | 78               | 57              | Public                   |
| University of Central Florida                    | 238                  | 78               | 57              | Public                   |
| Auburn University                                | 237                  | 80               | 59              | Public                   |
| California Institute of Technology               | 236                  | 81               | 22              | Private                  |
| University of Alabama - Tuscaloosa               | 234                  | 82               | 60              | Public                   |
| Colorado State University - Fort Collins         | 232                  | 83               | 61              | Public                   |
| University of Cincinnati - Cincinnati            | 230                  | 84               | 62              | Public                   |
| University of Hawaii - Manoa                     | 229                  | 85               | 63              | Public                   |
| George Washington University                     | 228                  | 86               | 23              | Private                  |
| Emory University                                 | 227                  | 87               | 24              | Private                  |
| Wayne State University                           | 223                  | 88               | 64              | Public                   |
| Teachers College at Columbia University          | 218                  | 89               | 25              | Private                  |
| Liberty University                               | 216                  | 90               | 26              | Private                  |
| Oregon State University                          | 215                  | 91               | 65              | Public                   |
| University of Notre Dame                         | 214                  | 92               | 27              | Private                  |
| Temple University                                | 208                  | 93               | 66              | Public                   |
| Drexel University                                | 207                  | 94               | 28              | Private                  |
| University of Oklahoma - Norman                  | 206                  | 95               | 67              | Public                   |
| Brown University                                 | 205                  | 96               | 29              | Private                  |
| University of New Mexico - Albuquerque           | 202                  | 97               | 68              | Public                   |
| University of North Texas                        | 202                  | 97               | 68              | Public                   |
| University of Arkansas - Fayetteville            | 200                  | 100              | 71              | Public                   |

## The Top 200 Institutions – Doctorates Awarded (2013)

| Top 101-150 Institutions<br>in Doctorates Awarded   | Number<br>of Degrees | National<br>Rank | Control<br>Rank | Institutional<br>Control |
|-----------------------------------------------------|----------------------|------------------|-----------------|--------------------------|
| Georgia State University                            | 197                  | 101              | 72              | Public                   |
| Syracuse University                                 | 191                  | 102              | 30              | Private                  |
| Clemson University                                  | 187                  | 103              | 73              | Public                   |
| Rice University                                     | 178                  | 104              | 31              | Private                  |
| Northeastern University                             | 177                  | 105              | 32              | Private                  |
| University of Texas - Dallas                        | 173                  | 106              | 74              | Public                   |
| University of Oregon                                | 169                  | 107              | 75              | Public                   |
| University of Southern Mississippi                  | 169                  | 107              | 75              | Public                   |
| Case Western Reserve University                     | 168                  | 109              | 33              | Private                  |
| University of Miami                                 | 163                  | 110              | 34              | Private                  |
| Loyola University Chicago                           | 160                  | 111              | 35              | Private                  |
| University of California - Santa Cruz               | 160                  | 111              | 77              | Public                   |
| Kansas State University                             | 158                  | 113              | 78              | Public                   |
| West Virginia University                            | 158                  | 113              | 78              | Public                   |
| Florida International University                    | 156                  | 115              | 80              | Public                   |
| University of Nevada - Las Vegas                    | 156                  | 115              | 80              | Public                   |
| University of Wisconsin - Milwaukee                 | 156                  | 115              | 80              | Public                   |
| University at Albany                                | 154                  | 118              | 83              | Public                   |
| Rensselaer Polytechnic Institute                    | 150                  | 119              | 36              | Private                  |
| Saint Louis University - St. Louis                  | 149                  | 120              | 37              | Private                  |
| Southern Illinois University - Carbondale           | 148                  | 121              | 84              | Public                   |
| University of Texas - Arlington                     | 148                  | 121              | 84              | Public                   |
| Kent State University at Kent                       | 147                  | 123              | 86              | Public                   |
| University of Alabama - Birmingham                  | 147                  | 123              | 86              | Public                   |
| Binghamton University                               | 141                  | 125              | 88              | Public                   |
| Fielding Graduate University                        | 140                  | 126              | 38              | Private                  |
| University of Louisville                            | 138                  | 127              | 89              | Public                   |
| Medical University of South Carolina                | 137                  | 128              | 90              | Public                   |
| Boston College                                      | 136                  | 129              | 39              | Private                  |
| University of California - San Francisco            | 136                  | 129              | 91              | Public                   |
| Regent University                                   | 135                  | 131              | 40              | Private                  |
| University of Memphis                               | 135                  | 131              | 92              | Public                   |
| University of North Carolina - Greensboro           | 134                  | 133              | 93              | Public                   |
| University of North Carolina - Charlotte            | 133                  | 134              | 94              | Public                   |
| New Mexico State University - Las Cruces            | 132                  | 135              | 95              | Public                   |
| Fordham University                                  | 131                  | 136              | 41              | Private                  |
| Georgetown University                               | 131                  | 136              | 41              | Private                  |
| Mississippi State University                        | 131                  | 136              | 96              | Public                   |
| Yeshiva University                                  | 131                  | 136              | 41              | Private                  |
| Tulane University                                   | 130                  | 140              | 44              | Private                  |
| University of Denver                                | 128                  | 141              | 45              | Private                  |
| Northern Illinois University                        | 126                  | 142              | 97              | Public                   |
| Claremont Graduate University                       | 125                  | 143              | 46              | Private                  |
| University of Nevada - Reno                         | 125                  | 143              | 98              | Public                   |
| University of Colorado - Denver                     | 122                  | 145              | 99              | Public                   |
| Tufts University                                    | 121                  | 146              | 47              | Private                  |
| Shenandoah University                               | 118                  | 147              | 48              | Private                  |
| University of Texas Health Science Center - Houston | 117                  | 148              | 100             | Public                   |
| Old Dominion University                             | 115                  | 149              | 101             | Public                   |
| University of Toledo                                | 112                  | 150              | 102             | Public                   |

## The Top 200 Institutions – Doctorates Awarded (2013)

| Top 151-200 Institutions<br>in Doctorates Awarded | Number<br>of Degrees | National<br>Rank | Control<br>Rank | Institutional<br>Control |
|---------------------------------------------------|----------------------|------------------|-----------------|--------------------------|
| Ohio University - Athens                          | 111                  | 151              | 103             | Public                   |
| Western Michigan University                       | 110                  | 152              | 104             | Public                   |
| Indiana University of Pennsylvania                | 108                  | 153              | 105             | Public                   |
| Baylor University                                 | 106                  | 154              | 49              | Private                  |
| Utah State University                             | 105                  | 155              | 106             | Public                   |
| University of Texas - El Paso                     | 103                  | 156              | 107             | Public                   |
| Howard University                                 | 101                  | 157              | 50              | Private                  |
| Brigham Young University - Provo                  | 100                  | 158              | 51              | Private                  |
| Lehigh University                                 | 100                  | 158              | 51              | Private                  |
| University of Akron - Akron                       | 100                  | 158              | 108             | Public                   |
| Illinois Institute of Technology                  | 98                   | 161              | 53              | Private                  |
| Catholic University of America                    | 97                   | 162              | 54              | Private                  |
| University of Rhode Island                        | 97                   | 162              | 109             | Public                   |
| Missouri University of Science and Technology     | 95                   | 164              | 110             | Public                   |
| University of Idaho                               | 95                   | 164              | 110             | Public                   |
| University of Maryland - Baltimore County         | 95                   | 164              | 110             | Public                   |
| Duquesne University                               | 94                   | 167              | 55              | Private                  |
| Brandeis University                               | 93                   | 168              | 56              | Private                  |
| University of Missouri - Kansas City              | 93                   | 168              | 113             | Public                   |
| University of Northern Colorado                   | 93                   | 168              | 113             | Public                   |
| University of Texas - San Antonio                 | 92                   | 171              | 115             | Public                   |
| Dartmouth College                                 | 91                   | 172              | 57              | Private                  |
| St. John's University (NY)                        | 91                   | 172              | 57              | Private                  |
| Florida Atlantic University                       | 90                   | 174              | 116             | Public                   |
| University of Texas SW Medical Center - Dallas    | 89                   | 175              | 117             | Public                   |
| Palo Alto University                              | 88                   | 176              | 59              | Private                  |
| University of La Verne                            | 87                   | 177              | 60              | Private                  |
| East Tennessee State University                   | 86                   | 178              | 118             | Public                   |
| Baylor College of Medicine                        | 85                   | 179              | 61              | Private                  |
| Bowling Green State University - Bowling Green    | 84                   | 180              | 119             | Public                   |
| University of Vermont                             | 84                   | 180              | 119             | Public                   |
| Carlos Albizu University - San Juan               | 83                   | 182              | 62              | Private                  |
| Colorado School of Mines                          | 83                   | 182              | 121             | Public                   |
| Rutgers University - Newark                       | 82                   | 184              | 122             | Public                   |
| San Diego State University                        | 82                   | 184              | 122             | Public                   |
| North Dakota State University                     | 81                   | 186              | 124             | Public                   |
| University of Maryland - Baltimore                | 81                   | 186              | 124             | Public                   |
| University of Wyoming                             | 81                   | 186              | 124             | Public                   |
| University of Puerto Rico - Rio Piedras           | 80                   | 189              | 127             | Public                   |
| University of Mississippi - Oxford                | 79                   | 190              | 128             | Public                   |
| Portland State University                         | 78                   | 191              | 129             | Public                   |
| Michigan Technological University                 | 75                   | 192              | 130             | Public                   |
| Immaculata University                             | 74                   | 193              | 63              | Private                  |
| Jackson State University                          | 74                   | 193              | 131             | Public                   |
| Texas Woman's University                          | 74                   | 193              | 131             | Public                   |
| Marquette University                              | 73                   | 196              | 64              | Private                  |
| Maryville University of Saint Louis               | 73                   | 196              | 64              | Private                  |
| Texas A&M University - Commerce                   | 73                   | 196              | 133             | Public                   |
| Weill Cornell Medical College                     | 73                   | 196              | 64              | Private                  |
| University of North Dakota                        | 72                   | 200              | 134             | Public                   |

## The Top 200 Institutions – Postdoctoral Appointees (2012)

| Top 1-50 Institutions in Postdoctoral Appointees | Number of Postdocs | National Rank | Control Rank | Institutional Control |
|--------------------------------------------------|--------------------|---------------|--------------|-----------------------|
| Harvard University                               | 6,019              | 1             | 1            | Private               |
| Stanford University                              | 1,887              | 2             | 2            | Private               |
| Johns Hopkins University                         | 1,775              | 3             | 3            | Private               |
| University of California - Berkeley              | 1,533              | 4             | 1            | Public                |
| Massachusetts Institute of Technology            | 1,398              | 5             | 4            | Private               |
| Columbia University                              | 1,283              | 6             | 5            | Private               |
| Yale University                                  | 1,256              | 7             | 6            | Private               |
| University of California - San Diego             | 1,219              | 8             | 2            | Public                |
| University of Washington - Seattle               | 1,190              | 9             | 3            | Public                |
| University of Michigan - Ann Arbor               | 1,080              | 10            | 4            | Public                |
| University of California - San Francisco         | 1,066              | 11            | 5            | Public                |
| University of California - Los Angeles           | 1,009              | 12            | 6            | Public                |
| University of Pennsylvania                       | 956                | 13            | 7            | Private               |
| University of North Carolina - Chapel Hill       | 850                | 14            | 7            | Public                |
| University of Pittsburgh - Pittsburgh            | 841                | 15            | 8            | Public                |
| University of Wisconsin - Madison                | 798                | 16            | 9            | Public                |
| University of Colorado - Boulder                 | 776                | 17            | 10           | Public                |
| University of California - Davis                 | 757                | 18            | 11           | Public                |
| Duke University                                  | 747                | 19            | 8            | Private               |
| Northwestern University                          | 742                | 20            | 9            | Private               |
| Vanderbilt University                            | 711                | 21            | 10           | Private               |
| Emory University                                 | 678                | 22            | 11           | Private               |
| University of Florida                            | 674                | 23            | 12           | Public                |
| University of Virginia                           | 658                | 24            | 13           | Public                |
| California Institute of Technology               | 623                | 25            | 12           | Private               |
| New York University                              | 623                | 25            | 12           | Private               |
| University of Texas MD Anderson Cancer Center    | 621                | 27            | 14           | Public                |
| Ohio State University - Columbus                 | 616                | 28            | 15           | Public                |
| Baylor College of Medicine                       | 588                | 29            | 14           | Private               |
| University of Minnesota - Twin Cities            | 580                | 30            | 16           | Public                |
| Icahn School of Medicine at Mount Sinai          | 579                | 31            | 15           | Private               |
| University of Texas SW Medical Center - Dallas   | 572                | 32            | 17           | Public                |
| University of Chicago                            | 565                | 33            | 16           | Private               |
| University of Illinois - Urbana-Champaign        | 558                | 34            | 18           | Public                |
| Boston University                                | 530                | 35            | 17           | Private               |
| University of Southern California                | 506                | 36            | 18           | Private               |
| Mayo Graduate School                             | 471                | 37            | 19           | Private               |
| University of Cincinnati - Cincinnati            | 465                | 38            | 19           | Public                |
| Princeton University                             | 457                | 39            | 20           | Private               |
| Michigan State University                        | 429                | 40            | 20           | Public                |
| Pennsylvania State University - University Park  | 401                | 41            | 21           | Public                |
| University of Maryland - College Park            | 399                | 42            | 22           | Public                |
| University of Utah                               | 389                | 43            | 23           | Public                |
| Cornell University                               | 386                | 44            | 21           | Private               |
| University of California - Irvine                | 379                | 45            | 24           | Public                |
| Washington University in St. Louis               | 374                | 46            | 22           | Private               |
| University of Texas - Austin                     | 372                | 47            | 25           | Public                |
| North Carolina State University                  | 371                | 48            | 26           | Public                |
| University of Iowa                               | 363                | 49            | 27           | Public                |
| University of Maryland - Baltimore               | 350                | 50            | 28           | Public                |

## The Top 200 Institutions – Postdoctoral Appointees (2012)

| Top 51-99 Institutions in Postdoctoral Appointees      | Number of Postdocs | National Rank | Control Rank | Institutional Control |
|--------------------------------------------------------|--------------------|---------------|--------------|-----------------------|
| Weill Cornell Medical College                          | 347                | 51            | 23           | Private               |
| University of Kentucky                                 | 344                | 52            | 29           | Public                |
| University of Hawaii - Manoa                           | 339                | 53            | 30           | Public                |
| University of Massachusetts Medical School - Worcester | 324                | 54            | 31           | Public                |
| Texas A&M University - College Station                 | 320                | 55            | 32           | Public                |
| Indiana University - Bloomington                       | 316                | 56            | 33           | Public                |
| Colorado State University - Fort Collins               | 313                | 57            | 34           | Public                |
| Rockefeller University                                 | 309                | 58            | 24           | Private               |
| University of Arizona                                  | 308                | 59            | 35           | Public                |
| Georgia Institute of Technology                        | 307                | 60            | 36           | Public                |
| Purdue University - West Lafayette                     | 306                | 61            | 37           | Public                |
| Oregon Health & Science University                     | 303                | 62            | 38           | Public                |
| University of California - Santa Barbara               | 300                | 63            | 39           | Public                |
| University of Colorado - Denver                        | 300                | 63            | 39           | Public                |
| Yeshiva University                                     | 293                | 65            | 25           | Private               |
| University of South Florida - Tampa                    | 289                | 66            | 41           | Public                |
| Brown University                                       | 274                | 67            | 26           | Private               |
| University at Buffalo                                  | 264                | 68            | 42           | Public                |
| University of Illinois - Chicago                       | 251                | 69            | 43           | Public                |
| University of Georgia                                  | 245                | 70            | 44           | Public                |
| Rutgers University - New Brunswick                     | 243                | 71            | 45           | Public                |
| Carnegie Mellon University                             | 241                | 72            | 27           | Private               |
| Florida State University                               | 235                | 73            | 46           | Public                |
| University of Alabama - Birmingham                     | 226                | 74            | 47           | Public                |
| University of Texas Health Science Center - Houston    | 224                | 75            | 48           | Public                |
| Stony Brook University                                 | 222                | 76            | 49           | Public                |
| Arizona State University - Tempe                       | 221                | 77            | 50           | Public                |
| Case Western Reserve University                        | 219                | 78            | 28           | Private               |
| University of Miami                                    | 219                | 78            | 28           | Private               |
| Virginia Commonwealth University                       | 217                | 80            | 51           | Public                |
| Oregon State University                                | 214                | 81            | 52           | Public                |
| University of Rochester                                | 214                | 81            | 30           | Private               |
| Dartmouth College                                      | 208                | 83            | 31           | Private               |
| Virginia Polytechnic Institute and State University    | 202                | 84            | 53           | Public                |
| Tufts University                                       | 201                | 85            | 32           | Private               |
| University of Missouri - Columbia                      | 199                | 86            | 54           | Public                |
| University of Houston - University Park                | 198                | 87            | 55           | Public                |
| Washington State University - Pullman                  | 190                | 88            | 56           | Public                |
| Wake Forest University                                 | 188                | 89            | 33           | Private               |
| Medical University of South Carolina                   | 186                | 90            | 57           | Public                |
| University of Kansas - Lawrence                        | 184                | 91            | 58           | Public                |
| University of Notre Dame                               | 182                | 92            | 34           | Private               |
| University of Texas Health Science Ctr - San Antonio   | 173                | 93            | 59           | Public                |
| University of Massachusetts - Amherst                  | 165                | 94            | 60           | Public                |
| Wayne State University                                 | 164                | 95            | 61           | Public                |
| University of Medicine & Dentistry of New Jersey       | 163                | 96            | 62           | Public                |
| University of Nebraska - Lincoln                       | 163                | 96            | 62           | Public                |
| Temple University                                      | 159                | 98            | 64           | Public                |
| Iowa State University                                  | 158                | 99            | 65           | Public                |
| Rice University                                        | 158                | 99            | 35           | Private               |

## The Top 200 Institutions – Postdoctoral Appointees (2012)

| Top 101-150 Institutions in Postdoctoral Appointees    | Number of Postdocs | National Rank | Control Rank | Institutional Control |
|--------------------------------------------------------|--------------------|---------------|--------------|-----------------------|
| University of Tennessee Health Science Center          | 156                | 101           | 66           | Public                |
| University of Texas Medical Branch - Galveston         | 150                | 102           | 67           | Public                |
| Texas Tech University                                  | 148                | 103           | 68           | Public                |
| Thomas Jefferson University                            | 145                | 104           | 36           | Private               |
| University of Nebraska Medical Center                  | 145                | 104           | 69           | Public                |
| University of Tennessee - Knoxville                    | 145                | 104           | 69           | Public                |
| Georgia Health Sciences University                     | 143                | 107           | 71           | Public                |
| Tulane University                                      | 143                | 107           | 37           | Private               |
| University of California - Santa Cruz                  | 141                | 109           | 72           | Public                |
| Louisiana State University - Baton Rouge               | 138                | 110           | 73           | Public                |
| University of Connecticut - Storrs                     | 134                | 111           | 74           | Public                |
| University of Kansas Medical Center                    | 134                | 111           | 74           | Public                |
| University of Oklahoma - Norman                        | 134                | 111           | 74           | Public                |
| Medical College of Wisconsin                           | 133                | 114           | 38           | Private               |
| University of California - Riverside                   | 133                | 114           | 77           | Public                |
| University of Delaware                                 | 133                | 114           | 77           | Public                |
| Georgetown University                                  | 131                | 117           | 39           | Private               |
| Brandeis University                                    | 128                | 118           | 40           | Private               |
| University of Connecticut - Health Center              | 125                | 119           | 79           | Public                |
| University of Louisville                               | 114                | 120           | 80           | Public                |
| Kansas State University                                | 112                | 121           | 81           | Public                |
| Woods Hole Oceanographic Institution                   | 107                | 122           | 41           | Private               |
| Texas Tech University Health Sciences Center           | 105                | 123           | 82           | Public                |
| Texas A&M Health Science Center                        | 102                | 124           | 83           | Public                |
| Pennsylvania State University - Hershey Medical Center | 100                | 125           | 84           | Public                |
| George Washington University                           | 98                 | 126           | 42           | Private               |
| University of South Carolina - Columbia                | 97                 | 127           | 85           | Public                |
| University of Texas - Dallas                           | 97                 | 127           | 85           | Public                |
| University of Wisconsin - Milwaukee                    | 97                 | 127           | 85           | Public                |
| Northeastern University                                | 96                 | 130           | 43           | Private               |
| University at Albany                                   | 92                 | 131           | 88           | Public                |
| University of Oklahoma Health Sciences Center          | 90                 | 132           | 89           | Public                |
| University of Oregon                                   | 90                 | 132           | 89           | Public                |
| City University of NY - City College                   | 86                 | 134           | 91           | Public                |
| University of Vermont                                  | 85                 | 135           | 92           | Public                |
| Rensselaer Polytechnic Institute                       | 80                 | 136           | 44           | Private               |
| Uniformed Services University of the Health Sciences   | 71                 | 137           | 93           | Public                |
| University of Arkansas - Fayetteville                  | 71                 | 137           | 93           | Public                |
| University of New Mexico - Albuquerque                 | 70                 | 139           | 95           | Public                |
| Loyola University Chicago                              | 65                 | 140           | 45           | Private               |
| Drexel University                                      | 63                 | 141           | 46           | Private               |
| Georgia State University                               | 62                 | 142           | 96           | Public                |
| Louisiana State University HSC - New Orleans           | 61                 | 143           | 97           | Public                |
| Oklahoma State University - Stillwater                 | 61                 | 143           | 97           | Public                |
| University of Wyoming                                  | 61                 | 143           | 97           | Public                |
| University of Texas - Arlington                        | 60                 | 146           | 100          | Public                |
| University of Mississippi Medical Center               | 59                 | 147           | 101          | Public                |
| University of Alaska - Fairbanks                       | 58                 | 148           | 102          | Public                |
| University of Toledo                                   | 56                 | 149           | 103          | Public                |
| Florida International University                       | 55                 | 150           | 104          | Public                |
| Illinois Institute of Technology                       | 55                 | 150           | 47           | Private               |
| University of Central Florida                          | 55                 | 150           | 104          | Public                |

## The Top 200 Institutions – Postdoctoral Appointees (2012)

| Top 153-197 Institutions in Postdoctoral Appointees       | Number of Postdocs | National Rank | Control Rank | Institutional Control |
|-----------------------------------------------------------|--------------------|---------------|--------------|-----------------------|
| Boston College                                            | 53                 | 153           | 48           | Private               |
| University of Nevada - Reno                               | 53                 | 153           | 106          | Public                |
| University of Alabama - Tuscaloosa                        | 52                 | 155           | 107          | Public                |
| University of Rhode Island                                | 50                 | 156           | 108          | Public                |
| Colorado School of Mines                                  | 49                 | 157           | 109          | Public                |
| Syracuse University                                       | 48                 | 158           | 49           | Private               |
| University of New Hampshire - Durham                      | 48                 | 158           | 110          | Public                |
| University of Texas - San Antonio                         | 48                 | 158           | 110          | Public                |
| West Virginia University                                  | 46                 | 161           | 112          | Public                |
| Auburn University                                         | 45                 | 162           | 113          | Public                |
| Clemson University                                        | 45                 | 162           | 113          | Public                |
| University of Maryland - Baltimore County                 | 45                 | 162           | 113          | Public                |
| University of Idaho                                       | 43                 | 165           | 116          | Public                |
| Lehigh University                                         | 42                 | 166           | 50           | Private               |
| South Dakota State University                             | 42                 | 166           | 117          | Public                |
| University of Akron - Akron                               | 42                 | 166           | 117          | Public                |
| Montana State University - Bozeman                        | 41                 | 169           | 119          | Public                |
| Saint Louis University - St. Louis                        | 41                 | 169           | 51           | Private               |
| University of Arkansas for Medical Sciences               | 41                 | 169           | 119          | Public                |
| University of North Texas                                 | 40                 | 172           | 121          | Public                |
| Louisiana State University - Shreveport                   | 39                 | 173           | 122          | Public                |
| Loma Linda University                                     | 38                 | 174           | 52           | Private               |
| Rutgers University - Newark                               | 38                 | 174           | 123          | Public                |
| Rush University                                           | 36                 | 176           | 53           | Private               |
| Brigham Young University - Provo                          | 35                 | 177           | 54           | Private               |
| Mississippi State University                              | 35                 | 177           | 124          | Public                |
| University of Michigan - Dearborn                         | 35                 | 177           | 124          | Public                |
| Albany Medical College                                    | 34                 | 180           | 55           | Private               |
| State Univ. of New York - Upstate Medical University      | 32                 | 181           | 126          | Public                |
| University of North Texas Health Science Center           | 32                 | 181           | 126          | Public                |
| George Mason University                                   | 31                 | 183           | 128          | Public                |
| San Diego State University                                | 31                 | 183           | 128          | Public                |
| Jackson State University                                  | 30                 | 185           | 130          | Public                |
| Old Dominion University                                   | 30                 | 185           | 130          | Public                |
| Rosalind Franklin University of Medicine and Science      | 30                 | 185           | 56           | Private               |
| New Mexico State University - Las Cruces                  | 29                 | 188           | 132          | Public                |
| Missouri University of Science and Technology             | 28                 | 189           | 133          | Public                |
| Boise State University                                    | 27                 | 190           | 134          | Public                |
| Mercer University                                         | 27                 | 190           | 57           | Private               |
| University of Montana - Missoula                          | 27                 | 190           | 134          | Public                |
| University of South Alabama - Mobile                      | 27                 | 190           | 134          | Public                |
| University of South Dakota                                | 26                 | 194           | 137          | Public                |
| University of Southern Mississippi                        | 26                 | 194           | 137          | Public                |
| University of Texas - El Paso                             | 26                 | 194           | 137          | Public                |
| City University of NY - Graduate Sch. and University Ctr. | 25                 | 197           | 140          | Public                |
| City University of NY - Hunter College                    | 25                 | 197           | 140          | Public                |
| City University of NY - Queens College                    | 25                 | 197           | 140          | Public                |
| Portland State University                                 | 25                 | 197           | 140          | Public                |
| State Univ. of New York - Downstate Medical Center        | 25                 | 197           | 140          | Public                |

## The Top 200 Institutions – SAT Scores (2012)

| Top 1-50 Institutions in<br>Median SAT Scores     | Median<br>SAT Score | National<br>Rank | Control<br>Rank | Institutional<br>Control |
|---------------------------------------------------|---------------------|------------------|-----------------|--------------------------|
| California Institute of Technology                | 1525                | 1                | 1               | Private                  |
| Harvard University                                | 1500                | 2                | 2               | Private                  |
| Princeton University                              | 1500                | 2                | 2               | Private                  |
| Franklin W. Olin College of Engineering           | 1495                | 4                | 4               | Private                  |
| Harvey Mudd College                               | 1495                | 4                | 4               | Private                  |
| Yale University                                   | 1495                | 4                | 4               | Private                  |
| Massachusetts Institute of Technology             | 1490                | 7                | 7               | Private                  |
| Washington University in St. Louis                | 1490                | 7                | 7               | Private                  |
| Columbia University                               | 1485                | 9                | 9               | Private                  |
| University of Chicago                             | 1485                | 9                | 9               | Private                  |
| Stanford University                               | 1475                | 11               | 11              | Private                  |
| Vanderbilt University                             | 1460                | 12               | 12              | Private                  |
| Dartmouth College                                 | 1455                | 13               | 13              | Private                  |
| Swarthmore College                                | 1450                | 14               | 14              | Private                  |
| Pomona College                                    | 1445                | 15               | 15              | Private                  |
| Rice University                                   | 1445                | 15               | 15              | Private                  |
| University of Pennsylvania                        | 1445                | 15               | 15              | Private                  |
| Duke University                                   | 1440                | 18               | 18              | Private                  |
| Northwestern University                           | 1440                | 18               | 18              | Private                  |
| University of Notre Dame                          | 1440                | 18               | 18              | Private                  |
| Tufts University                                  | 1435                | 21               | 21              | Private                  |
| Bowdoin College                                   | 1430                | 22               | 22              | Private                  |
| Carleton College                                  | 1430                | 22               | 22              | Private                  |
| Amherst College                                   | 1425                | 24               | 24              | Private                  |
| Brown University                                  | 1425                | 24               | 24              | Private                  |
| Webb Institute                                    | 1425                | 24               | 24              | Private                  |
| Carnegie Mellon University                        | 1420                | 27               | 27              | Private                  |
| Williams College                                  | 1420                | 27               | 27              | Private                  |
| Cornell University                                | 1415                | 29               | 29              | Private                  |
| Haverford College                                 | 1415                | 29               | 29              | Private                  |
| Claremont McKenna College                         | 1410                | 31               | 31              | Private                  |
| Johns Hopkins University                          | 1405                | 32               | 32              | Private                  |
| Vassar College                                    | 1400                | 33               | 33              | Private                  |
| Reed College                                      | 1395                | 34               | 34              | Private                  |
| Georgetown University                             | 1390                | 35               | 35              | Private                  |
| Grinnell College                                  | 1390                | 35               | 35              | Private                  |
| Hamilton College (NY)                             | 1390                | 35               | 35              | Private                  |
| Washington and Lee University                     | 1390                | 35               | 35              | Private                  |
| Wesleyan University                               | 1390                | 35               | 35              | Private                  |
| Middlebury College                                | 1385                | 40               | 40              | Private                  |
| Wellesley College                                 | 1385                | 40               | 40              | Private                  |
| Cooper Union for the Advancement of Science & Art | 1380                | 42               | 42              | Private                  |
| Emory University                                  | 1375                | 43               | 43              | Private                  |
| University of Southern California                 | 1375                | 43               | 43              | Private                  |
| Case Western Reserve University                   | 1370                | 45               | 45              | Private                  |
| Macalester College                                | 1370                | 45               | 45              | Private                  |
| Northeastern University                           | 1370                | 45               | 45              | Private                  |
| University of California - Berkeley               | 1370                | 45               | 1               | Public                   |
| Rensselaer Polytechnic Institute                  | 1365                | 49               | 48              | Private                  |
| Colgate University                                | 1360                | 50               | 49              | Private                  |
| Oberlin College                                   | 1360                | 50               | 49              | Private                  |
| Tulane University                                 | 1360                | 50               | 49              | Private                  |
| U.S. Air Force Academy                            | 1360                | 50               | 2               | Public                   |
| University of Virginia                            | 1360                | 50               | 2               | Public                   |

## The Top 200 Institutions – SAT Scores (2012)

| Top 55-95 Institutions<br>in Median SAT Scores | Median<br>SAT Score | National<br>Rank | Control<br>Rank | Institutional<br>Control |
|------------------------------------------------|---------------------|------------------|-----------------|--------------------------|
| Boston College                                 | 1355                | 55               | 52              | Private                  |
| College of William and Mary                    | 1355                | 55               | 4               | Public                   |
| Georgia Institute of Technology                | 1355                | 55               | 4               | Public                   |
| Jewish Theological Seminary of America         | 1355                | 55               | 52              | Private                  |
| Davidson College                               | 1350                | 59               | 54              | Private                  |
| New York University                            | 1350                | 59               | 54              | Private                  |
| Barnard College                                | 1345                | 61               | 56              | Private                  |
| Scripps College                                | 1345                | 61               | 56              | Private                  |
| Brandeis University                            | 1340                | 63               | 58              | Private                  |
| University of Michigan - Ann Arbor             | 1340                | 63               | 6               | Public                   |
| University of Rochester                        | 1340                | 63               | 58              | Private                  |
| Colby College                                  | 1335                | 66               | 60              | Private                  |
| Colorado College                               | 1335                | 66               | 60              | Private                  |
| Kenyon College                                 | 1325                | 68               | 62              | Private                  |
| University of Miami                            | 1325                | 68               | 62              | Private                  |
| Whitman College                                | 1325                | 68               | 62              | Private                  |
| Rose-Hulman Institute of Technology            | 1320                | 71               | 65              | Private                  |
| Wheaton College (IL)                           | 1320                | 71               | 65              | Private                  |
| Bryn Mawr College                              | 1310                | 73               | 67              | Private                  |
| Bucknell University                            | 1310                | 73               | 67              | Private                  |
| University of Richmond                         | 1310                | 73               | 67              | Private                  |
| Binghamton University                          | 1305                | 76               | 7               | Public                   |
| Colorado School of Mines                       | 1300                | 77               | 8               | Public                   |
| Denison University                             | 1300                | 77               | 70              | Private                  |
| Hendrix College                                | 1300                | 77               | 70              | Private                  |
| Lehigh University                              | 1300                | 77               | 70              | Private                  |
| New College of Florida                         | 1300                | 77               | 8               | Public                   |
| Occidental College                             | 1300                | 77               | 70              | Private                  |
| Stevens Institute of Technology                | 1300                | 77               | 70              | Private                  |
| University of California - Los Angeles         | 1300                | 77               | 8               | Public                   |
| University of Maryland - College Park          | 1300                | 77               | 8               | Public                   |
| University of North Carolina - Chapel Hill     | 1300                | 77               | 8               | Public                   |
| George Washington University                   | 1295                | 87               | 75              | Private                  |
| Union College (NY)                             | 1295                | 87               | 75              | Private                  |
| Villanova University                           | 1295                | 87               | 75              | Private                  |
| Lafayette College                              | 1290                | 90               | 78              | Private                  |
| Trinity College (CT)                           | 1290                | 90               | 78              | Private                  |
| Dickinson College                              | 1285                | 92               | 80              | Private                  |
| Gettysburg College                             | 1285                | 92               | 80              | Private                  |
| State Univ. of New York - College at Geneseo   | 1285                | 92               | 13              | Public                   |
| Brigham Young University - Provo               | 1280                | 95               | 82              | Private                  |
| Centre College                                 | 1280                | 95               | 82              | Private                  |
| Missouri University of Science and Technology  | 1280                | 95               | 14              | Public                   |
| Pitzer College                                 | 1280                | 95               | 82              | Private                  |
| Polytechnic Institute of New York University   | 1280                | 95               | 82              | Private                  |
| Rhodes College (TN)                            | 1280                | 95               | 82              | Private                  |
| Southern Methodist University                  | 1280                | 95               | 82              | Private                  |
| St. Olaf College                               | 1280                | 95               | 82              | Private                  |
| University of Illinois - Urbana-Champaign      | 1280                | 95               | 14              | Public                   |

## The Top 200 Institutions – SAT Scores (2012)

| Top 104-149 Institutions<br>in Median SAT Scores    | Median<br>SAT Score | National<br>Rank | Control<br>Rank | Institutional<br>Control |
|-----------------------------------------------------|---------------------|------------------|-----------------|--------------------------|
| Boston University                                   | 1275                | 104              | 89              | Private                  |
| University of Pittsburgh - Pittsburgh               | 1275                | 104              | 16              | Public                   |
| University of Texas - Dallas                        | 1275                | 104              | 16              | Public                   |
| Santa Clara University                              | 1270                | 107              | 90              | Private                  |
| Thomas Aquinas College                              | 1270                | 107              | 90              | Private                  |
| U.S. Naval Academy                                  | 1265                | 109              | 18              | Public                   |
| University of Florida                               | 1265                | 109              | 18              | Public                   |
| American University                                 | 1260                | 111              | 92              | Private                  |
| Gustavus Adolphus College                           | 1260                | 111              | 92              | Private                  |
| Kalamazoo College                                   | 1260                | 111              | 92              | Private                  |
| Ohio State University - Columbus                    | 1260                | 111              | 20              | Public                   |
| Sewanee-The University of the South                 | 1260                | 111              | 92              | Private                  |
| U.S. Military Academy                               | 1260                | 111              | 20              | Public                   |
| University of Tulsa                                 | 1260                | 111              | 92              | Private                  |
| University of Wisconsin - Madison                   | 1260                | 111              | 20              | Public                   |
| Babson College                                      | 1255                | 119              | 97              | Private                  |
| Fordham University                                  | 1255                | 119              | 97              | Private                  |
| University of Texas - Austin                        | 1255                | 119              | 23              | Public                   |
| Gonzaga University                                  | 1250                | 122              | 99              | Private                  |
| Trinity University                                  | 1250                | 122              | 99              | Private                  |
| University of Puget Sound                           | 1249                | 124              | 101             | Private                  |
| College of Wooster                                  | 1240                | 125              | 102             | Private                  |
| Emerson College                                     | 1240                | 125              | 102             | Private                  |
| Illinois Wesleyan University                        | 1240                | 125              | 102             | Private                  |
| Muhlenberg College                                  | 1240                | 125              | 102             | Private                  |
| Rhode Island School of Design                       | 1240                | 125              | 102             | Private                  |
| Saint Louis University - St. Louis                  | 1240                | 125              | 102             | Private                  |
| Taylor University                                   | 1240                | 125              | 102             | Private                  |
| Texas Christian University                          | 1240                | 125              | 102             | Private                  |
| U.S. Coast Guard Academy                            | 1240                | 125              | 24              | Public                   |
| University of Denver                                | 1240                | 125              | 102             | Private                  |
| University of Minnesota - Twin Cities               | 1240                | 125              | 24              | Public                   |
| Clemson University                                  | 1235                | 136              | 26              | Public                   |
| Stony Brook University                              | 1235                | 136              | 26              | Public                   |
| University of California - San Diego                | 1235                | 136              | 26              | Public                   |
| University of Puerto Rico - Mayaguez                | 1231                | 139              | 29              | Public                   |
| University of Puerto Rico - Rio Piedras             | 1231                | 139              | 29              | Public                   |
| Austin College                                      | 1230                | 141              | 111             | Private                  |
| California Polytechnic State Univ - San Luis Obispo | 1230                | 141              | 31              | Public                   |
| College of New Jersey                               | 1230                | 141              | 31              | Public                   |
| Grove City College                                  | 1230                | 141              | 111             | Private                  |
| Pepperdine University                               | 1230                | 141              | 111             | Private                  |
| Skidmore College                                    | 1230                | 141              | 111             | Private                  |
| University of Connecticut - Storrs                  | 1230                | 141              | 31              | Public                   |
| Willamette University                               | 1230                | 141              | 111             | Private                  |
| Baylor University                                   | 1225                | 149              | 116             | Private                  |
| Elon University                                     | 1225                | 149              | 116             | Private                  |
| University of Maryland - Baltimore County           | 1225                | 149              | 34              | Public                   |

## The Top 200 Institutions – SAT Scores (2012)

| Top 152-194 Institutions<br>in Median SAT Scores    | Median<br>SAT Score | National<br>Rank | Control<br>Rank | Institutional<br>Control |
|-----------------------------------------------------|---------------------|------------------|-----------------|--------------------------|
| Auburn University                                   | 1220                | 152              | 35              | Public                   |
| Beloit College                                      | 1220                | 152              | 118             | Private                  |
| Calvin College                                      | 1220                | 152              | 118             | Private                  |
| Cornell College                                     | 1220                | 152              | 118             | Private                  |
| DePauw University                                   | 1220                | 152              | 118             | Private                  |
| Drexel University                                   | 1220                | 152              | 118             | Private                  |
| Florida State University                            | 1220                | 152              | 35              | Public                   |
| Furman University                                   | 1220                | 152              | 118             | Private                  |
| Illinois Institute of Technology                    | 1220                | 152              | 118             | Private                  |
| Loyola University Chicago                           | 1220                | 152              | 118             | Private                  |
| Rochester Institute of Technology                   | 1220                | 152              | 118             | Private                  |
| St. Louis College of Pharmacy                       | 1220                | 152              | 118             | Private                  |
| Transylvania University                             | 1220                | 152              | 118             | Private                  |
| University of San Diego                             | 1220                | 152              | 118             | Private                  |
| Yeshiva University                                  | 1220                | 152              | 118             | Private                  |
| New Saint Andrews College                           | 1215                | 167              | 131             | Private                  |
| St. Mary's College of Maryland                      | 1215                | 167              | 37              | Public                   |
| University of California - Santa Barbara            | 1215                | 167              | 37              | Public                   |
| University of Georgia                               | 1215                | 167              | 37              | Public                   |
| University of Washington - Seattle                  | 1215                | 167              | 37              | Public                   |
| Virginia Polytechnic Institute and State University | 1215                | 167              | 37              | Public                   |
| Chapman University                                  | 1210                | 173              | 132             | Private                  |
| City University of NY - Bernard M. Baruch College   | 1210                | 173              | 42              | Public                   |
| Soka University of America                          | 1210                | 173              | 132             | Private                  |
| University of California - Davis                    | 1210                | 173              | 42              | Public                   |
| Wofford College                                     | 1210                | 173              | 132             | Private                  |
| Bentley University                                  | 1207                | 178              | 135             | Private                  |
| Belmont University                                  | 1205                | 179              | 136             | Private                  |
| Creighton University                                | 1205                | 179              | 136             | Private                  |
| Drake University                                    | 1205                | 179              | 136             | Private                  |
| Kettering University                                | 1205                | 179              | 136             | Private                  |
| Loyola Marymount University                         | 1205                | 179              | 136             | Private                  |
| Marquette University                                | 1205                | 179              | 136             | Private                  |
| Miami University - Oxford                           | 1205                | 179              | 44              | Public                   |
| Michigan Technological University                   | 1205                | 179              | 44              | Public                   |
| Milwaukee School of Engineering                     | 1205                | 179              | 136             | Private                  |
| South Dakota School of Mines and Technology         | 1205                | 179              | 44              | Public                   |
| Truman State University                             | 1205                | 179              | 44              | Public                   |
| University of Dayton                                | 1205                | 179              | 136             | Private                  |
| University of Tennessee - Knoxville                 | 1205                | 179              | 44              | Public                   |
| University of the Pacific                           | 1205                | 179              | 136             | Private                  |
| Allegheny College (PA)                              | 1200                | 193              | 145             | Private                  |
| Pennsylvania State University - University Park     | 1195                | 194              | 49              | Public                   |
| Rutgers University - New Brunswick                  | 1195                | 194              | 49              | Public                   |
| Southwestern University                             | 1195                | 194              | 146             | Private                  |
| Texas A&M University - College Station              | 1195                | 194              | 49              | Public                   |
| University of Dallas                                | 1195                | 194              | 146             | Private                  |
| University of South Carolina - Columbia             | 1195                | 194              | 49              | Public                   |
| Ursinus College                                     | 1195                | 194              | 146             | Private                  |
| Westmont College                                    | 1195                | 194              | 146             | Private                  |

## The Top 200 Institutions – National Merit and Achievement Scholars (2013)

| Top 1-50 Institutions in National Merit Scholars | Number of Scholars | National Rank | Control Rank | Institutional Control |
|--------------------------------------------------|--------------------|---------------|--------------|-----------------------|
| University of Chicago                            | 333                | 1             | 1            | Private               |
| Harvard University                               | 321                | 2             | 2            | Private               |
| Vanderbilt University                            | 285                | 3             | 3            | Private               |
| Northwestern University                          | 259                | 4             | 4            | Private               |
| University of Southern California                | 250                | 5             | 5            | Private               |
| Yale University                                  | 224                | 6             | 6            | Private               |
| Washington University in St. Louis               | 223                | 7             | 7            | Private               |
| Stanford University                              | 219                | 8             | 8            | Private               |
| Massachusetts Institute of Technology            | 212                | 9             | 9            | Private               |
| Princeton University                             | 192                | 10            | 10           | Private               |
| Georgia Institute of Technology                  | 176                | 11            | 1            | Public                |
| University of Oklahoma - Norman                  | 176                | 11            | 1            | Public                |
| Duke University                                  | 167                | 13            | 11           | Private               |
| Texas A&M University - College Station           | 158                | 14            | 3            | Public                |
| University of Pennsylvania                       | 152                | 15            | 12           | Private               |
| Northeastern University                          | 151                | 16            | 13           | Private               |
| University of Minnesota - Twin Cities            | 135                | 17            | 4            | Public                |
| University of Alabama - Tuscaloosa               | 131                | 18            | 5            | Public                |
| Arizona State University - Tempe                 | 120                | 19            | 6            | Public                |
| University of California - Berkeley              | 111                | 20            | 7            | Public                |
| Columbia University                              | 103                | 21            | 14           | Private               |
| Brown University                                 | 101                | 22            | 15           | Private               |
| University of Kentucky                           | 97                 | 23            | 8            | Public                |
| University of Texas - Dallas                     | 95                 | 24            | 9            | Public                |
| University of Illinois - Urbana-Champaign        | 88                 | 25            | 10           | Public                |
| Cornell University                               | 87                 | 26            | 16           | Private               |
| Baylor University                                | 84                 | 27            | 17           | Private               |
| Brigham Young University - Provo                 | 81                 | 28            | 18           | Private               |
| Rice University                                  | 74                 | 29            | 19           | Private               |
| University of Texas - Austin                     | 74                 | 29            | 11           | Public                |
| University of Arizona                            | 72                 | 31            | 12           | Public                |
| Carleton College                                 | 71                 | 32            | 20           | Private               |
| Auburn University                                | 70                 | 33            | 13           | Public                |
| Dartmouth College                                | 70                 | 33            | 21           | Private               |
| Tufts University                                 | 69                 | 35            | 22           | Private               |
| Indiana University - Bloomington                 | 67                 | 36            | 14           | Public                |
| Case Western Reserve University                  | 66                 | 37            | 23           | Private               |
| University of Central Florida                    | 64                 | 38            | 15           | Public                |
| University of Michigan - Ann Arbor               | 63                 | 39            | 16           | Public                |
| University of Maryland - College Park            | 62                 | 40            | 17           | Public                |
| University of Miami                              | 62                 | 40            | 24           | Private               |
| University of South Carolina - Columbia          | 62                 | 40            | 17           | Public                |
| University of Georgia                            | 61                 | 43            | 19           | Public                |
| Harvey Mudd College                              | 57                 | 44            | 25           | Private               |
| University of Notre Dame                         | 56                 | 45            | 26           | Private               |
| Fordham University                               | 54                 | 46            | 27           | Private               |
| Emory University                                 | 53                 | 47            | 28           | Private               |
| University of Nebraska - Lincoln                 | 51                 | 48            | 20           | Public                |
| University of Tulsa                              | 50                 | 49            | 29           | Private               |
| University of North Carolina - Chapel Hill       | 47                 | 50            | 21           | Public                |

## The Top 200 Institutions – National Merit and Achievement Scholars (2013)

| Top 51-100 Institutions in National Merit Scholars  | Number of Scholars | National Rank | Control Rank | Institutional Control |
|-----------------------------------------------------|--------------------|---------------|--------------|-----------------------|
| California Institute of Technology                  | 43                 | 51            | 30           | Private               |
| Louisiana State University - Baton Rouge            | 43                 | 51            | 22           | Public                |
| University of Mississippi - Oxford                  | 43                 | 51            | 22           | Public                |
| University of Tennessee - Knoxville                 | 41                 | 54            | 24           | Public                |
| Clemson University                                  | 39                 | 55            | 25           | Public                |
| Michigan State University                           | 39                 | 55            | 25           | Public                |
| University of Virginia                              | 39                 | 55            | 25           | Public                |
| Iowa State University                               | 38                 | 58            | 28           | Public                |
| Boston University                                   | 34                 | 59            | 31           | Private               |
| Southern Methodist University                       | 34                 | 59            | 31           | Private               |
| University of Arkansas - Fayetteville               | 34                 | 59            | 29           | Public                |
| Johns Hopkins University                            | 33                 | 62            | 33           | Private               |
| University of Utah                                  | 33                 | 62            | 30           | Public                |
| Carnegie Mellon University                          | 32                 | 64            | 34           | Private               |
| Mississippi State University                        | 32                 | 64            | 31           | Public                |
| Williams College                                    | 32                 | 64            | 34           | Private               |
| Oberlin College                                     | 31                 | 67            | 36           | Private               |
| Oklahoma State University - Stillwater              | 31                 | 67            | 32           | Public                |
| Tulane University                                   | 30                 | 69            | 37           | Private               |
| University of Cincinnati - Cincinnati               | 30                 | 69            | 33           | Public                |
| Rensselaer Polytechnic Institute                    | 29                 | 71            | 38           | Private               |
| St. Olaf College                                    | 29                 | 71            | 38           | Private               |
| University of Pittsburgh - Pittsburgh               | 29                 | 71            | 34           | Public                |
| Georgetown University                               | 28                 | 74            | 40           | Private               |
| Pomona College                                      | 28                 | 74            | 40           | Private               |
| University of Kansas - Lawrence                     | 28                 | 74            | 35           | Public                |
| Macalester College                                  | 27                 | 77            | 42           | Private               |
| Miami University - Oxford                           | 27                 | 77            | 36           | Public                |
| University of Alabama - Birmingham                  | 27                 | 77            | 36           | Public                |
| Grinnell College                                    | 26                 | 80            | 43           | Private               |
| New York University                                 | 26                 | 80            | 43           | Private               |
| University of Houston - University Park             | 26                 | 80            | 38           | Public                |
| University of Rochester                             | 26                 | 80            | 43           | Private               |
| University of Idaho                                 | 25                 | 84            | 39           | Public                |
| Rutgers University - New Brunswick                  | 24                 | 85            | 40           | Public                |
| University of Florida                               | 23                 | 86            | 41           | Public                |
| Ohio State University - Columbus                    | 22                 | 87            | 42           | Public                |
| Wheaton College (IL)                                | 22                 | 87            | 46           | Private               |
| Bowdoin College                                     | 21                 | 89            | 47           | Private               |
| Franklin W. Olin College of Engineering             | 21                 | 89            | 47           | Private               |
| University of New Mexico - Albuquerque              | 21                 | 89            | 43           | Public                |
| West Virginia University                            | 21                 | 89            | 43           | Public                |
| Purdue University - West Lafayette                  | 20                 | 93            | 45           | Public                |
| University of Wisconsin - Madison                   | 20                 | 93            | 45           | Public                |
| Worcester Polytechnic Institute                     | 20                 | 93            | 49           | Private               |
| University of Washington - Seattle                  | 19                 | 96            | 47           | Public                |
| Washington and Lee University                       | 19                 | 96            | 50           | Private               |
| Hillsdale College                                   | 18                 | 98            | 51           | Private               |
| University of California - Los Angeles              | 18                 | 98            | 48           | Public                |
| Brandeis University                                 | 17                 | 100           | 52           | Private               |
| George Washington University                        | 17                 | 100           | 52           | Private               |
| Rose-Hulman Institute of Technology                 | 17                 | 100           | 52           | Private               |
| University of Louisville                            | 17                 | 100           | 49           | Public                |
| Virginia Polytechnic Institute and State University | 17                 | 100           | 49           | Public                |

## The Top 200 Institutions – National Merit and Achievement Scholars (2013)

| Top 105-146 Institutions in National Merit Scholars | Number of Scholars | National Rank | Control Rank | Institutional Control |
|-----------------------------------------------------|--------------------|---------------|--------------|-----------------------|
| Florida State University                            | 16                 | 105           | 51           | Public                |
| Kenyon College                                      | 16                 | 105           | 55           | Private               |
| Pennsylvania State University - University Park     | 16                 | 105           | 51           | Public                |
| Rochester Institute of Technology                   | 16                 | 105           | 55           | Private               |
| University of Iowa                                  | 16                 | 105           | 51           | Public                |
| Claremont McKenna College                           | 15                 | 110           | 57           | Private               |
| Hendrix College                                     | 15                 | 110           | 57           | Private               |
| Liberty University                                  | 15                 | 110           | 57           | Private               |
| University of California - San Diego                | 15                 | 110           | 54           | Public                |
| Denison University                                  | 14                 | 114           | 60           | Private               |
| Furman University                                   | 14                 | 114           | 60           | Private               |
| Scripps College                                     | 14                 | 114           | 60           | Private               |
| Stony Brook University                              | 14                 | 114           | 55           | Public                |
| Amherst College                                     | 13                 | 118           | 63           | Private               |
| Rhodes College (TN)                                 | 13                 | 118           | 63           | Private               |
| Swarthmore College                                  | 13                 | 118           | 63           | Private               |
| University of Dallas                                | 13                 | 118           | 63           | Private               |
| Hope College                                        | 12                 | 122           | 67           | Private               |
| University of Missouri - Columbia                   | 12                 | 122           | 56           | Public                |
| Boston College                                      | 11                 | 124           | 68           | Private               |
| Calvin College                                      | 11                 | 124           | 68           | Private               |
| Davidson College                                    | 11                 | 124           | 68           | Private               |
| Howard University                                   | 11                 | 124           | 68           | Private               |
| Lawrence University                                 | 11                 | 124           | 68           | Private               |
| Wellesley College                                   | 11                 | 124           | 68           | Private               |
| American University                                 | 10                 | 130           | 74           | Private               |
| Lehigh University                                   | 10                 | 130           | 74           | Private               |
| Montana State University - Bozeman                  | 10                 | 130           | 57           | Public                |
| North Carolina State University                     | 10                 | 130           | 57           | Public                |
| Occidental College                                  | 10                 | 130           | 74           | Private               |
| Oklahoma Christian University                       | 10                 | 130           | 74           | Private               |
| University of Oregon                                | 10                 | 130           | 57           | Public                |
| Colorado College                                    | 9                  | 137           | 78           | Private               |
| Colorado State University - Fort Collins            | 9                  | 137           | 60           | Public                |
| Harding University                                  | 9                  | 137           | 78           | Private               |
| Ithaca College                                      | 9                  | 137           | 78           | Private               |
| Truman State University                             | 9                  | 137           | 60           | Public                |
| University of Maryland - Baltimore County           | 9                  | 137           | 60           | Public                |
| University of Vermont                               | 9                  | 137           | 60           | Public                |
| Wake Forest University                              | 9                  | 137           | 78           | Private               |
| Wesleyan University                                 | 9                  | 137           | 78           | Private               |
| College of William and Mary                         | 8                  | 146           | 64           | Public                |
| Kansas State University                             | 8                  | 146           | 64           | Public                |
| Louisiana Tech University                           | 8                  | 146           | 64           | Public                |
| North Dakota State University                       | 8                  | 146           | 64           | Public                |
| Santa Clara University                              | 8                  | 146           | 83           | Private               |
| Texas Christian University                          | 8                  | 146           | 83           | Private               |
| University of Nevada - Reno                         | 8                  | 146           | 64           | Public                |
| University of South Florida - Tampa                 | 8                  | 146           | 64           | Public                |
| Vassar College                                      | 8                  | 146           | 83           | Private               |
| Wayne State University                              | 8                  | 146           | 64           | Public                |

## The Top 200 Institutions – National Merit and Achievement Scholars (2013)

| Top 156-187 Institutions in National Merit Scholars | Number of Scholars | National Rank | Control Rank | Institutional Control |
|-----------------------------------------------------|--------------------|---------------|--------------|-----------------------|
| Bucknell University                                 | 7                  | 156           | 86           | Private               |
| College of Charleston                               | 7                  | 156           | 71           | Public                |
| Drake University                                    | 7                  | 156           | 86           | Private               |
| Marquette University                                | 7                  | 156           | 86           | Private               |
| Abilene Christian University                        | 6                  | 160           | 89           | Private               |
| Ball State University                               | 6                  | 160           | 72           | Public                |
| Gordon College (MA)                                 | 6                  | 160           | 89           | Private               |
| Loyola University Chicago                           | 6                  | 160           | 89           | Private               |
| Missouri University of Science and Technology       | 6                  | 160           | 72           | Public                |
| Samford University                                  | 6                  | 160           | 89           | Private               |
| University of Colorado - Boulder                    | 6                  | 160           | 72           | Public                |
| University of Nevada - Las Vegas                    | 6                  | 160           | 72           | Public                |
| University of North Dakota                          | 6                  | 160           | 72           | Public                |
| University of Richmond                              | 6                  | 160           | 89           | Private               |
| University of Wyoming                               | 6                  | 160           | 72           | Public                |
| Villanova University                                | 6                  | 160           | 89           | Private               |
| Wichita State University                            | 6                  | 160           | 72           | Public                |
| Barnard College                                     | 5                  | 173           | 95           | Private               |
| Butler University                                   | 5                  | 173           | 95           | Private               |
| Colby College                                       | 5                  | 173           | 95           | Private               |
| College of Wooster                                  | 5                  | 173           | 95           | Private               |
| Oregon State University                             | 5                  | 173           | 79           | Public                |
| Pepperdine University                               | 5                  | 173           | 95           | Private               |
| Saint Louis University - St. Louis                  | 5                  | 173           | 95           | Private               |
| Sewanee-The University of the South                 | 5                  | 173           | 95           | Private               |
| Smith College                                       | 5                  | 173           | 95           | Private               |
| State Univ. of New York - College at Geneseo        | 5                  | 173           | 79           | Public                |
| Texas Tech University                               | 5                  | 173           | 79           | Public                |
| University of Connecticut - Storrs                  | 5                  | 173           | 79           | Public                |
| University of Montana - Missoula                    | 5                  | 173           | 79           | Public                |
| University of Southern Mississippi                  | 5                  | 173           | 79           | Public                |
| Alma College                                        | 4                  | 187           | 103          | Private               |
| Benedictine College                                 | 4                  | 187           | 103          | Private               |
| Bryn Mawr College                                   | 4                  | 187           | 103          | Private               |
| California Polytechnic State Univ - San Luis Obispo | 4                  | 187           | 85           | Public                |
| Centre College                                      | 4                  | 187           | 103          | Private               |
| Concordia College at Moorhead                       | 4                  | 187           | 103          | Private               |
| Creighton University                                | 4                  | 187           | 103          | Private               |
| Drexel University                                   | 4                  | 187           | 103          | Private               |
| Hampshire College                                   | 4                  | 187           | 103          | Private               |
| Michigan Technological University                   | 4                  | 187           | 85           | Public                |
| New College of Florida                              | 4                  | 187           | 85           | Public                |
| Ohio University - Athens                            | 4                  | 187           | 85           | Public                |
| Ouachita Baptist University                         | 4                  | 187           | 103          | Private               |
| Trinity University                                  | 4                  | 187           | 103          | Private               |
| University of North Texas                           | 4                  | 187           | 85           | Public                |
| University of St. Thomas (MN)                       | 4                  | 187           | 103          | Private               |
| Whitman College                                     | 4                  | 187           | 103          | Private               |

## Source Notes

### Total Research Expenditures Federal Research Expenditures

Source: Higher Education Research and Development (HERD) Survey, FY 2012

Each year, the National Science Foundation (NSF) collects data from hundreds of academic institutions on expenditures for research and development in science and engineering fields and classifies them by source of funds (e.g., federal government, state and local government, industry, etc.). These data are the primary source of information on academic research and development (R&D) expenditures in the United States. Included in this survey are all activities specifically organized to produce research outcomes that are separately budgeted and accounted for. This “organized research” may be funded by an external agency or organization (“sponsored research”) or by a separately budgeted organizational unit within the institution (“university research”). This report excludes activities sponsored by external agencies that involve instruction, training (except training in research techniques, which is considered organized research), and health service, community service or extension service projects.

All Federally Funded Research Labs (FFRLs) are excluded from these academic expenditures data, including the following: Jet Propulsion Laboratory (California Institute of Technology); Los Alamos National Lab, Lawrence Livermore Lab, Lawrence Berkeley Lab (University of California); Software Engineering Institute (Carnegie Mellon); Argonne National Laboratory (University of Chicago); National Astronomy and Ionospheric Center (Cornell); Ames Laboratory (Iowa State University); Lincoln Laboratory (MIT); Plasma Physics Lab (Princeton); and SLAC National Accelerator Laboratory (Stanford). The NSF data no longer classify the Applied Physics Lab (APL) at Johns Hopkins as an FFRL, but federal funds support the vast majority of research conducted there. The APL makes up more than one-half of Johns Hopkins’ total federal R&D expenditures.

While inconsistencies in reporting (known and unknown) do exist here, as in any survey of this type, problems arise mostly when one breaks out the data by source of funds. NSF expects institutions to use year-end accounting records to complete this report, and there are nationally recognized accounting guidelines for higher education institutions. However, there are also countless variations in institutional policy that determine whether the university reports a particular expenditure as coming from one source or another, or possibly not counted at all. Take federal formula funds for agriculture (e.g., Hatch-McIntire, Smith-Lever) as an example. We conducted an informal survey of the appropriate institutions in the Association of American Universities (AAU) and found that two out of eleven land grants did not include any of these federal funds in their 1997 NSF data, while others included all or some of these monies. Because these funds make up a very small percentage of the total research expenditures in

any given year, the impact on our total research rankings is slight. The agriculture formula funds will have a somewhat greater, but still small, impact on the federal research rankings. NSF notes, “An increasing number of institutions have linkages with industry and foundations via subcontracts, thus complicating the identification of funding source. In addition, institutional policy may determine whether unrestricted state support is reported as state or as institutional funds.”<sup>1</sup>

We believe that the reporting inconsistencies in the data are relatively minor when using the total research expenditures and the federal research expenditures component. Federal and state government audits of institutional accounting make deceptive practices highly unlikely, even though these entities do not audit the NSF data directly. NSF goes to great lengths to verify the accuracy of the data, especially federal expenditure data—checking them against several other federal agencies that collect the same or similar information. In fact, all major federal agencies and their subdivisions submit data to NSF identifying research obligations to universities each year. Historically, the NSF data have tracked very closely the data reported by universities. Further, for their National Patterns of R&D Resources series, NSF prefers to use the figures reported by the performers of the work (that is, academic institutions, industry, nonprofits) because they believe that the performers are in the best position to accurately report these expenditures.

In some sections of this report, these expenditure data are deflated to constant 1983 dollars to show real change over time. While NSF uses the Gross Domestic Price (GDP) implicit price deflator in its reports on federal trends in research, we use the Higher Education Price Index (HEPI) because of its narrower focus. Originally developed by Research Associates of Washington and currently managed by Commonfund Institute, the HEPI illustrates the effect of inflation on college and university operations.<sup>2</sup> In contrast, the GDP implicit price deflator is based on change in the entire U.S. economy and, as noted by NSF itself, “[its] use more accurately reflects an ‘opportunity cost’ criterion [i.e., the value of R&D in terms of the amount of other goods and services that could have been spent with the same amount of money], rather than a measure of cost changes of doing research.”<sup>3</sup>

### Endowment Assets

Source: NACUBO Endowment Study, endowment market value as of June 30, 2013.

Institutions report the market value of their endowment assets as of June 30 to three different sources, and they quite often use three different values. For this project, we use the National Association of College and University Business Officers (NACUBO) Endowment Study because of NACUBO’s long history of reporting endowments of higher education institutions, their emphasis

on using audited financial statements, and their focus on net assets (i.e., includes returns on investments and excludes investment fees and other withdrawals). NACUBO conducts its study annually and reports the results each February in the *Chronicle of Higher Education*.

Another source for endowment assets is the Council for Aid to Education's (CAE) annual Voluntary Support of Education (VSE) survey, cosponsored by the Council for Advancement and Support of Education (CASE) and the National Association of Independent Schools. The VSE survey is useful as a secondary resource because it provides more single-campus data than the other two sources. For those institutions that report a system-wide total to NACUBO, we often use the VSE data to calculate a campus' percentage contribution to the entire system, applying that factor to the NACUBO figure. In other cases, we may substitute the VSE figure when the institution indicates that this is a good data source.

The National Center for Education Statistics (NCES) Integrated Postsecondary Education Data System (IPEDS) Finance Survey also collects information on endowment assets. IPEDS data are released later than other two sources and are used when NACUBO nor VSE figures are unavailable.

In our inaugural report of *The Top American Research Universities* in 2000, we noted the wide variation in the reporting of endowment market value between all three sources. An examination of the 1997 endowment figures showed only one university (University of North Carolina at Chapel Hill) had submitted the same figure to each of the three organizations. In a more recent study of major research universities, we found about one-third of the all institutions report identical figures but just seven universities in our over \$40 million federal research group. In the earlier study, we found that endowment assets reported to IPEDS tended to be lower than NACUBO or VSE data, but this is no longer true. In general, the greater the endowment the likelihood that the figures reported to the three sources will vary. Both studies found no consistent pattern to explain reporting variations among the institutions.

## Annual Giving

Source: Council for Aid to Education's Voluntary Support of Education (VSE) Survey, FY 2013.

The Council for Aid to Education (CAE), formerly an independent subsidiary of RAND, has produced the Voluntary Support of Education (VSE) Survey since 1957. The annual giving data include all contributions actually received during the institution's fiscal year in the form of cash, securities, company products, and other property from alumni, non-alumni individuals, corporations, foundations, religious organizations, and other

groups. Not included in the totals are public funds, earnings on investments held by the institution, and unfulfilled pledges.

CAE's VSE Data Miner service, available online, provides 11 years of data for all participating institutions. Although this is a subscription-based service and requires a user ID and password, limited access is available online at [<http://www.cae.org/vse>].

## National Academy Members

Source: National Academy of Sciences, National Academy of Engineering, and Institute of Medicine membership directories for 2013.

One of the highest honors that academic faculty can receive is membership in the National Academy of Sciences (NAS), the National Academy of Engineering (NAE), or the Institute of Medicine (IOM). All three are private, nonprofit organizations and serve as advisors to the federal government on science, technology, and medicine. Nominated and voted on by active members, newly elected members of these organizations receive life terms. Individuals elected to membership come from all sectors—academia, industry, government, and not-for-profit agencies or organizations. Member election dates are in February (NAE), April (NAS), and October (IOM).

The data collected for these rankings use active or emeritus members at their affiliated work institution, as reported in the online membership directories. In all cases, we were able to determine the specific campus for individual members. We re-check institutional affiliation annually to account for established members who have changed employers or whose membership is no longer active.

## Faculty Awards in the Arts, Humanities, Science, Engineering, and Health

Source: Directories or web-based listings for multiple agencies or organizations.

For this category, we collect data from several prominent grant and fellowship programs in the arts, humanities, science, engineering, and health fields. Included in this measure are:

- American Council of Learned Societies (ACLS) Fellows, 2012-13
- Beckman Young Investigators, 2013
- Burroughs Wellcome Fund Career Awards, 2013
- Cottrell Scholars, 2013
- Fulbright American Scholars, 2013-14
- Getty Scholars in Residence, 2013-14

- Guggenheim Fellows, 2013
- Howard Hughes Medical Institute Investigators, 2013
- Lasker Medical Research Awards, 2013
- MacArthur Foundation Fellows, 2013
- National Endowment for the Humanities (NEH) Fellows, 2014
- National Humanities Center Fellows, 2013-14
- National Institutes of Health (NIH) MERIT (R37) FY 2013
- National Medal of Science and National Medal of Technology, 2012
- NSF CAREER awards (excluding those who are also PECASE winners), 2013
- Newberry Library Long-term Fellows, 2013-14
- Pew Scholars in Biomedicine, 2013
- Presidential Early Career Awards for Scientists and Engineers (PECASE), 2013
- Robert Wood Johnson Policy Fellows, 2013-14
- Searle Scholars, 2013
- Sloan Research Fellows, 2013
- Woodrow Wilson Fellows, 2013-14

While the vast majority of these programs clearly identify a particular campus, in a few instances we used the institution's web-based phone directory to determine the correct campus.

### Doctorates Awarded

Source: NCES IPEDS Completions Survey, doctoral degrees awarded between July 1, 2012, and June 30, 2013.

Each year, universities report their degrees awarded to the NCES in the IPEDS Completions Survey. IPEDS provides straightforward instructions for reporting doctoral degrees awarded, and we do not find any inconsistencies in reporting among the universities included in our rankings. IPEDS asks each institution to identify the number of Doctor of Education, Doctor of Juridical Science, Doctor of Public Health, and Doctor of Philosophy degrees awarded between July 1 and June 30.

Most institutions in our study submit degree data by campus or offer doctoral degrees solely or primarily at the main campus.

In addition to doctorate degrees, we present degrees awarded at other levels—associate's, bachelor's, master's, and professional degrees—in the Student Characteristics table.

### Postdoctoral Appointees

Source: NSF/Division of Science Resource Statistics (SRS) Survey of Graduate Students and Postdoctorates in Science and Engineering, Fall 2012.

Each year, NSF and NIH collect data from all institutions offering graduate programs in any science, engineering, or health field. The Survey of Graduate Students and Postdoctorates in Science and Engineering (also called the Graduate Student Survey or GSS) reflects graduate enrollment and postdoctoral employment at the beginning of the academic year. Postdoctorates are defined in the GSS as "individuals with science and engineering PhD's, MD's, DDS's or DVM's and foreign degrees equivalent to U.S. doctorates who devote their primary effort to their own research training through research activities or study in the department under temporary appointments carrying no academic rank." The definition excludes clinical fellows and those in medical residency training programs unless the primary purpose of their appointment is for research training under a senior mentor.

In the methodological notes for this survey,<sup>4</sup> NSF indicates that it verifies the data with the institutional coordinator when dramatic year-to-year fluctuations are noted. In addition, in this data set, it is unclear whether an institution has actually reported zero postdocs or NSF has simply assigned a zero for non-response (rather than imputing by using prior-year or peer data, as described in NSF methodological notes). This year, in cases where we suspect it is not a true zero, we left the field blank.

Although each doctorate-granting campus submits data separately, NSF often aggregates them in its published reports. In all cases, we obtain the single-campus data for these schools directly from NSF.

### SAT Scores

Source: NCES IPEDS Survey, SAT and ACT scores for Fall 2012.

IPEDS reports the 25th and 75th percentiles for verbal and quantitative SAT I scores for most institutions in our study. For our measure, we calculated the median of that range. Some institutions report the ACT instead of the SAT to IPEDS and some report both. We selected the test which has the greatest percentage of students reporting. To convert ACT scores, we use a conversion table provided by The College Board<sup>5</sup> to generate a comparable SAT equivalent score. When an institution submits neither an SAT nor ACT score, we substitute data from other national data sources.

## Other Measures of Undergraduate Quality

### National Merit and Achievement Scholars

Source: The 2012-13 National Merit Scholarship Corporation Annual Report, which reflects the 2013 freshman class.

The National Merit Scholarship Corporation (NMSC) is an independent, nonprofit organization that awards scholarships to the nation's outstanding high school seniors based on their academic achievement, qualifying test scores, high school principal and counselor recommendations, and their activities, interests, and goals. The NMSC names approximately 16,000 National Merit Finalists each February. Of these, about one-half will receive a National Merit \$2,500 Scholarship, a corporate-sponsored scholarship, or a college-sponsored scholarship.

National Achievement Scholars are selected and funded in a similar fashion and represent the nation's outstanding African-American students. Ideally, the National Hispanic Scholars Program should also be included in this category, but it does not track the enrollment of its scholarship winners. Should it do so in the future, we will include these students in our data. In this study, Merit and Achievement scholarships are credited to the main campus if the NMSC Annual Report does not indicate a branch campus.

While the number of National Merit and National Achievement award winners in the entering class provides an indication of the attractiveness of a university's undergraduate program to outstanding students, it is also an indicator that is sensitive to institutional policies on financial aid. Because the number of Merit Scholars is small, relatively small changes in institutional aid policies can have a significant impact on the number of National Merit Scholars enrolling in institutions. The average SAT score provides a broader-based and more reliable measure of overall undergraduate quality; for those reasons, we prefer the SAT scores to the number of National Merit and Achievement Scholars as an indicator of undergraduate quality.

## Institutional Characteristics

### Medical Schools

Source: NCES IPEDS Completions Survey, MD degrees awarded between July 1, 2012, and June 30, 2013.

Although the IPEDS Institutional Characteristics Survey does have a "medical" field that indicates whether an institution grants a medical degree, we choose not to use its data because it includes medical degrees in Veterinary Medicine, Dentistry, and other professional health-related fields. For our measure, we determined whether a particular campus awarded any MD degrees during the academic year. If the institution did not submit any data to IPEDS for that year, we then looked at whether it was accredited by the American Medical Association to determine whether the institution has a medical school.

## Land Grant Institutions

Source: National Association of State Universities and Land Grant Colleges.

The first Morrill Act in 1862 appropriated federal funds for universities to provide agricultural and technical education to their citizens. A second Morrill Act in 1890 expanded eligibility to include several historically black colleges and universities, and in 1994 several Native American tribal colleges were recognized as land grant institutions. Today, there is at least one land grant institution in each state and U.S. territory and in the District of Columbia. Of the 105 institutions, most are public universities. Federal land grant institutions receive both federal and state dollars in support of their agricultural and extension activities.

While land grant status technically applies to some university systems, such as the University of California and the University of Nebraska, for our study we designate as land grant institutions only those schools that actually perform that function (e.g., UC-Berkeley, UC-Davis, UC-Riverside, Nebraska-Lincoln). In these cases, the land grant field will identify whether an institution is part of a system-wide land grant and whether the vast majority of the activity occurs on that campus. For example, UC-Davis is coded as "Yes-System" while UCLA is coded as "No-System." We consider the 1890 institutions as land grant institutions, but we identify them separately because they do not perform extension activities.

## Research Focus

NSF/SRS Survey of R&D Expenditures at Universities and Colleges, FY 2012.

In addition to reporting expenditure data by source of funds, NSF identifies in what major disciplines the money is expended. In the Research by Discipline table we provide the proportion of total and federal expenditures in each discipline for those institutions with more than \$40 million in federal research. These data are useful for developing groups of similar institutions for peer analysis.

The Institutional Characteristics table provides a summary measure of an institution's research strength and concentration based on these discipline-level expenditures. Universities with 95-100% of their federal research dollars spent in one particular discipline are coded as "all." We identify institutions with 75-94% in one area as "heavy" and label those with 50-74% of their expenditures concentrated as "strong." Other universities with 25-49% in one or more disciplines we describe as "moderate." A few institutions (but none in the more than \$40 million group) have expenditures distributed fairly evenly across the disciplines; those we code as "mixed."

In some cases, where an institution reports as a multi-campus entity, we made adjustments to break out the discipline-level expenditure data by single campus. Typically, this involved moving all or a portion of the life sciences expenditures to the health or medical center campus. IPEDS fall enrollment and graduate degrees by discipline data also were used to help in this effort.

While these data offer some insight as to the research structure of a university, their usefulness is limited. For example, we may be tempted to use the life sciences as a surrogate for medical research, but we must remember that they also include agricultural and biological sciences. Further, the growing trend toward multidisciplinary and interdisciplinary projects may make it more difficult for universities to accurately reflect expenditures by discipline or sub-discipline. We choose not to break out these sub-disciplines because the data are increasingly prone to error as further adjustments are made.

## Student Characteristics

### Fall Enrollment

Source: NCES IPEDS Fall Enrollment Survey, 2012.

Each November, institutions report their current fall headcount enrollment to the IPEDS Fall Enrollment Survey. Enrollment figures include both degree seeking and non-degree seeking students. We provide the headcount enrollment by level as presented by IPEDS, along with the percentage of those attending part-time. Graduate students include those seeking specialist degrees in engineering and education. First professional students include those seeking degrees in medical fields, such as Chiropractic, Dentistry, Medicine, Optometry, Osteopathic Medicine, Pharmacy, Podiatry, and Veterinary Medicine, as well as those seeking degrees in Law and Theology.

Each campus in our study submits enrollment data by campus, except for the few institutions identified in our Data Notes section. Because this is an informational item and not one of our nine quality measures, we did not attempt to adjust these figures.

## Federal Research with and without Medical School Research

### AAMC Federal Research

Source: Association of American Medical Colleges

The Association of American Medical Colleges collects data on federally sponsored research at medical colleges through on the Liaison Committee on Medical Education (LCME) Part I-A, Annual Financial Questionnaire. We calculate each medical school's federal R&D by summing the recorded dollars and a portion of the relative administrative costs. We exclude the not-recorded dollars.

## Footnotes

1 Academic R&D Expenditures, FY 2009: Technical Notes (Online: <http://www.nsf.gov/statistics/nsf11313/>)

2 About HEPI, Commonfund Institute (Online: <http://www.commonfund.org/CommonfundInstitute/HEPI>)

3 National Patterns of R&D Resources, 2003: Technical Notes (Online: <http://www.nsf.gov/statistics/nsf05308/appa.htm>)

4 Survey Methodology: Survey of Graduate Students and Postdoctorates in Science and Engineering (Online: <http://www.nsf.gov/statistics/srvygradpostdoc/>)

5 ACT and SAT Concordance Tables, November 6, 2009 (Online: <http://www.research.collegeboard.org/publications>)

## Data Notes

The raw data used for *The Top American Research Universities* project—obtained from federal agencies and national organizations—often contain information on single-campus institutions, multiple-campus institutions, and state university systems, without clearly identifying the distinctions. This makes national comparisons difficult and unreliable.

To increase the validity and usefulness of these data, we adjusted the original reported figures, when necessary, to ensure that all data represent the strength of a single-campus institution. MUP bases its adjustments on information gathered from the reporting agency or from the university itself. In cases where the published data represent a single campus, we do not adjust the data. When the data represent more than one campus, we first attempt to obtain a figure directly from the National Science Foundation (NSF) (for research expenditures and post-doctorates), from the institution itself, or from the university system office that submitted the data. If unavailable from those primary sources, we use an estimated or substitute figure derived from information found on the institution's website.

If the institution provides an estimate representing at least 97% of the originally published figure, we credit the full amount to the main campus. Otherwise, we use the estimate provided by the institution.

MUP does not adjust the private university data because of multi-campus or system-wide reporting. We treat all private universities in this study as single-campus institutions because, while some may have multiple campuses, they are generally in or around a single city and considered an integral part of the main campus. Furthermore, private institutions generally do not break out their data by regional, branch, or affiliated campus as often happens with public institutions.

The following tables outline the various adjustments or substitutions that we made to the original data. The tables list institutions alphabetically and include both private and public universities. For the purpose of this report, we provide notes for institutions with more than \$40 million in fiscal year 2012 federal research.

### Data Notes for Universities with Over \$40 Million in Federal Research

| University / Statistics                                         | Original Data<br>(dollars in<br>thousands) | MUP Data<br>(dollars in<br>thousands) | Comments                                          |
|-----------------------------------------------------------------|--------------------------------------------|---------------------------------------|---------------------------------------------------|
| Auburn University                                               |                                            |                                       |                                                   |
| 2013 Giving                                                     | 67,911                                     | 67,911                                | Estimate at least 97% is main campus.             |
| Boston University                                               |                                            |                                       |                                                   |
| 2012 Endowment                                                  | 1,103,652                                  | 1,157,075                             | Revised 2012 NACUBO data.                         |
| Cleveland State University                                      |                                            |                                       |                                                   |
| 2013 Endowment                                                  | Not Reported                               | 61,707                                | Substituted 2013 VSE.                             |
| Cornell University                                              |                                            |                                       |                                                   |
| 2012 Federal R&D                                                | 471,024                                    | 298,596                               | Est. 63.4% based on university documents.         |
| 2012 Total R&D                                                  | 799,794                                    | 507,012                               | Est. 63.4% based on university documents.         |
| 2013 Endowment                                                  | 5,272,228                                  | 4,133,842                             | Substituted IPEDS.                                |
| 2013 Giving                                                     | 474,957                                    | 326,497                               | Estimate 79.6% based on 2012 IPEDS.               |
| George Mason University                                         |                                            |                                       |                                                   |
| 2012 Endowment                                                  | 51,846                                     | 55,165                                | Revised 2012 NACUBO data.                         |
| Georgetown University                                           |                                            |                                       |                                                   |
| 2012 Endowment                                                  | 1,141,752                                  | 1,140,486                             | Revised 2012 NACUBO data.                         |
| Icahn School of Medicine at Mount Sinai                         |                                            |                                       |                                                   |
| 2013 Endowment                                                  | Not Reported                               | 630,518                               | Substituted IPEDS.                                |
| 2013 Giving                                                     | Not Reported                               | 127,027                               | Substituted IPEDS.                                |
| Indiana University - Bloomington                                |                                            |                                       |                                                   |
| 2013 Endowment                                                  | 1,735,086                                  | 835,123                               | Substituted IPEDS.                                |
| 2013 Giving                                                     | 305,885                                    | 160,548                               | Estimate based on IPEDS and university documents. |
| Indiana University - Purdue University - Indianapolis           |                                            |                                       |                                                   |
| 2013 Endowment                                                  | 1,735,086                                  | 709,877                               | Substituted IPEDS.                                |
| 2013 Giving                                                     | 305,885                                    | 127,341                               | Estimate based on IPEDS and university documents. |
| Johns Hopkins University                                        |                                            |                                       |                                                   |
| 2012 Endowment                                                  | 2,593,316                                  | 2,678,721                             | Revised 2012 NACUBO data.                         |
| Louisiana State University - Baton Rouge                        |                                            |                                       |                                                   |
| 2013 Endowment                                                  | 721,198                                    | 383,443                               | Substituted 2013 VSE.                             |
| Louisiana State University Health Sciences Center - New Orleans |                                            |                                       |                                                   |
| 2013 Endowment                                                  | 721,198                                    | 84,990                                | Estimate based on IPEDS.                          |
| 2013 Giving                                                     | Not Reported                               | 2,437                                 | Substituted 2012 IPEDS.                           |
| Massachusetts Institute of Technology                           |                                            |                                       |                                                   |
| 2012 Endowment                                                  | 10,149,564                                 | 10,308,274                            | Revised 2012 NACUBO data.                         |
| Medical College of Wisconsin                                    |                                            |                                       |                                                   |
| 2013 Giving                                                     | Not Reported                               | 13,263                                | Substituted IPEDS.                                |

| Data Notes for Universities with Over \$40 Million in Federal Research |                                            |                                       |                                                        |
|------------------------------------------------------------------------|--------------------------------------------|---------------------------------------|--------------------------------------------------------|
| University / Statistics                                                | Original Data<br>(dollars in<br>thousands) | MUP Data<br>(dollars in<br>thousands) | Comments                                               |
| Michigan State University                                              |                                            |                                       |                                                        |
| 2013 Endowment                                                         | 1,637,164                                  | 1,958,350                             | Combined MSU (1,637,164) and MSU Foundation (321,186). |
| Naval Postgraduate School                                              |                                            |                                       |                                                        |
| 2012 Endowment                                                         | 4,016                                      | 4,466                                 | Revised 2012 NACUBO data.                              |
| New Mexico State University - Las Cruces                               |                                            |                                       |                                                        |
| 2013 Endowment                                                         | 197,387                                    | 197,387                               | Estimate at least 97% is main campus.                  |
| North Dakota State University                                          |                                            |                                       |                                                        |
| 2013 Giving                                                            | Not Reported                               | 9,231                                 | Substituted IPEDS.                                     |
| Ohio State University - Columbus                                       |                                            |                                       |                                                        |
| 2013 Endowment                                                         | 3,149,169                                  | 3,149,169                             | Estimate at least 97% is main campus.                  |
| 2013 Giving                                                            | 290,595                                    | 290,595                               | Estimate at least 97% is main campus.                  |
| Oklahoma State University - Stillwater                                 |                                            |                                       |                                                        |
| 2013 Endowment                                                         | Not Reported                               | 389,522                               | Substituted IPEDS.                                     |
| Pennsylvania State University - Hershey Medical Center                 |                                            |                                       |                                                        |
| 2012 Federal R&D                                                       | 468,705                                    | 56,615                                | Estimate 87.1% based on university documents.          |
| 2012 Postdocs                                                          | 501                                        | 100                                   | Estimate based on university documents.                |
| 2012 Total R&D                                                         | 794,846                                    | 84,338                                | Estimate 12.9% based on university documents.          |
| 2013 Endowment                                                         | 1,933,200                                  | 309,312                               | Estimate 16% based on published documents.             |
| 2013 Giving                                                            | 217,631                                    | 39,174                                | Estimate 18.0% based on university documents.          |
| Pennsylvania State University - University Park                        |                                            |                                       |                                                        |
| 2012 Federal R&D                                                       | 468,705                                    | 469,597                               | Estimate 87.1% based on university documents.          |
| 2012 Postdocs                                                          | 501                                        | 401                                   | Estimate based on university documents.                |
| 2012 Total R&D                                                         | 794,846                                    | 699,556                               | Estimate 87.1% based on university documents.          |
| 2013 Endowment                                                         | 1,933,200                                  | 1,411,236                             | Estimate 73% based on published documents.             |
| 2013 Giving                                                            | 217,631                                    | 174,105                               | Estimate 80.0% based on university documents.          |
| Purdue University - West Lafayette                                     |                                            |                                       |                                                        |
| 2013 Endowment                                                         | 2,182,171                                  | 2,182,171                             | Estimate at least 97% is main campus.                  |
| 2013 Giving                                                            | 121,592                                    | 121,592                               | Estimate at least 97% is main campus.                  |
| Rockefeller University                                                 |                                            |                                       |                                                        |
| 2013 Endowment                                                         | 1,661,571                                  | 1,692,300                             | Revised 2012 NACUBO data.                              |
| 2013 Giving                                                            | Not Reported                               | 37,562                                | Substituted IPEDS.                                     |
| Rutgers University - New Brunswick                                     |                                            |                                       |                                                        |
| 2013 Endowment                                                         | 693,515                                    | 783,492                               | Estimate 93.1% based on published sources.             |
| 2013 Giving                                                            | 106,251                                    | 90,313                                | Estimate 85.0% based on university documents.          |

### Data Notes for Universities with Over \$40 Million in Federal Research

| University / Statistics                     | Original Data<br>(dollars in<br>thousands) | MUP Data<br>(dollars in<br>thousands) | Comments                                          |
|---------------------------------------------|--------------------------------------------|---------------------------------------|---------------------------------------------------|
| Texas A&M University - College Station      |                                            |                                       |                                                   |
| 2013 Endowment                              | 8,732,010                                  | 8,072,055                             | Substituted 2013 VSE. NACUBO original = 8,732,010 |
| Thomas Jefferson University                 |                                            |                                       |                                                   |
| 2013 Endowment                              | Not Reported                               | 336,658                               | Substituted 2013 VSE. Did not report to NACUBO.   |
| University of Alaska - Fairbanks            |                                            |                                       |                                                   |
| 2013 Endowment                              | 287,347                                    | 211,332                               | Substituted IPEPDS.                               |
| 2013 Giving                                 | Not Reported                               | 14,461                                | Estimate based on university documents.           |
| University of Arkansas for Medical Sciences |                                            |                                       |                                                   |
| 2013 Endowment                              | Not Reported                               | 29,496                                | Substituted IPEDS.                                |
| 2013 Giving                                 | Not Reported                               | 27,370                                | Substituted 2012 IPEDS.                           |
| University of California - Berkeley         |                                            |                                       |                                                   |
| 2013 Endowment                              | 1,243,182                                  | 3,330,553                             | Substituted 2013 VSE.                             |
| University of California - Davis            |                                            |                                       |                                                   |
| 2013 Endowment                              | 240,391                                    | 790,060                               | Substituted 2013 VSE.                             |
| University of California - Los Angeles      |                                            |                                       |                                                   |
| 2013 Endowment                              | 1,526,901                                  | 2,626,965                             | Substituted 2013 VSE.                             |
| University of California - Riverside        |                                            |                                       |                                                   |
| 2013 Endowment                              | 106,987                                    | 148,777                               | Substituted 2013 VSE.                             |
| University of California - San Diego        |                                            |                                       |                                                   |
| 2013 Endowment                              | 438,869                                    | 642,605                               | Substituted 2013 VSE.                             |
| University of California - San Francisco    |                                            |                                       |                                                   |
| 2013 Endowment                              | 6,377,379                                  | 1,716,203                             | Substituted 2013 VSE.                             |
| University of California - Santa Barbara    |                                            |                                       |                                                   |
| 2013 Endowment                              | 123,822                                    | 226,034                               | Substituted 2013 VSE.                             |
| University of California - Santa Cruz       |                                            |                                       |                                                   |
| 2013 Endowment                              | 6,377,379                                  | 124,926                               | Substituted 2013 VSE.                             |
| University of Cincinnati - Cincinnati       |                                            |                                       |                                                   |
| 2013 Endowment                              | Not Reported                               | 1,045,606                             | Estimate at least 97% is main campus.             |
| University of Colorado - Boulder            |                                            |                                       |                                                   |
| 2013 Endowment                              | 885,384                                    | 495,815                               | Estimate 56% based on published documents.        |
| 2013 Giving                                 | Not Reported                               | 63,377                                | Estimate based on IPEDS and university documents  |
| University of Colorado - Denver             |                                            |                                       |                                                   |
| 2013 Endowment                              | 885,384                                    | 389,569                               | Estimate 44% based on published documents.        |
| 2013 Giving                                 | Not Reported                               | 51,596                                | Estimate based on IPEDS and university documents  |

## Data Notes for Universities with Over \$40 Million in Federal Research

| University / Statistics                   | Original Data<br>(dollars in<br>thousands) | MUP Data<br>(dollars in<br>thousands) | Comments                                                                          |
|-------------------------------------------|--------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------|
| University of Connecticut - Health Center |                                            |                                       |                                                                                   |
| 2012 Federal R&D                          | 150,402                                    | 61,568                                | Estimate 40.9% based on university documents.                                     |
| 2012 Total R&D                            | 250,468                                    | 102,530                               | Estimate 40.9% based on university documents.                                     |
| 2013 Endowment                            | 344,174                                    | 92,927                                | Estimate 27% based on published documents.                                        |
| 2013 Giving                               | 45,861                                     | 6,879                                 | Estimate 15.0% based on university documents.                                     |
| 2013 PhD                                  | 295                                        | 23                                    | Estimate based on university factbook.                                            |
| University of Connecticut - Storrs        |                                            |                                       |                                                                                   |
| 2012 Federal R&D                          | 150,402                                    | 88,834                                | Estimate 59.1% based on university documents.                                     |
| 2012 Total R&D                            | 250,468                                    | 147,938                               | Estimate 59.1% based on university documents.                                     |
| 2013 Endowment                            | 344,174                                    | 251,247                               | Estimate 73.0% based on published documents.                                      |
| 2013 Giving                               | 45,861                                     | 38,982                                | Estimate 85.0% based on university documents.                                     |
| 2013 PhD                                  | 295                                        | 272                                   | Estimate based on university factbook.                                            |
| University of Georgia                     |                                            |                                       |                                                                                   |
| 2012 Endowment                            | 744,305                                    | 674,164                               | Revised 2012 NACUBO data.                                                         |
| University of Hawaii - Manoa              |                                            |                                       |                                                                                   |
| 2013 Endowment                            | 235,383                                    | 235,383                               | Estimate at least 97% is main campus.                                             |
| 2013 Giving                               | Not Reported                               | 62,465                                | Estimate based on IPEDS and university documents                                  |
| University of Houston - University Park   |                                            |                                       |                                                                                   |
| 2013 Endowment                            | 716,422                                    | 637,475                               | Substituted 2013 VSE.                                                             |
| University of Illinois - Chicago          |                                            |                                       |                                                                                   |
| 2013 Endowment                            | 1,925,949                                  | 245,900                               | Substituted 2013 VSE.                                                             |
| University of Illinois - Urbana-Champaign |                                            |                                       |                                                                                   |
| 2013 Endowment                            | 1,925,949                                  | 1,310,300                             | Substituted 2013 VSE.                                                             |
| University of Kansas - Lawrence           |                                            |                                       |                                                                                   |
| 2012 Federal R&D                          | 147,052                                    | 99,034                                | Estimate 67.3% based on university documents.                                     |
| 2012 Postdocs                             | 318                                        | 184                                   | Estimate based on university documents.                                           |
| 2012 Total R&D                            | 256,310                                    | 172,615                               | Estimate 67.3% based on university documents.                                     |
| 2013 Endowment                            | Not Reported                               | 1,005,416                             | Substituted VSE \$1,288,995.<br>Estimate 78% of VSE based on published documents. |
| 2013 Giving                               | 169,692                                    | 135,754                               | Estimate 80.0% based on university documents.                                     |
| 2013 PhD                                  | 369                                        | 325                                   | Estimate based on KS Board of Regents data book<br>and IPEDS Completions.         |

### Data Notes for Universities with Over \$40 Million in Federal Research

| University / Statistics                                | Original Data<br>(dollars in<br>thousands) | MUP Data<br>(dollars in<br>thousands) | Comments                                                                       |
|--------------------------------------------------------|--------------------------------------------|---------------------------------------|--------------------------------------------------------------------------------|
| University of Kansas Medical Center                    |                                            |                                       |                                                                                |
| 2012 Federal R&D                                       | 147,052                                    | 48,018                                | Estimate 32.7% based on university documents.                                  |
| 2012 Postdocs                                          | 318                                        | 134                                   | Estimate based on university documents.                                        |
| 2012 Total R&D                                         | 256,310                                    | 83,695                                | Estimate 32.7% based on university documents.                                  |
| 2013 Endowment                                         | Not Reported                               | 283,579                               | Substituted VSE \$1,288,995. Estimate 22% of VSE based on published documents. |
| 2013 Giving                                            | 169,692                                    | 33,938                                | Estimate 20.0% based on university documents.                                  |
| 2013 PhD                                               | 369                                        | 37                                    | Estimate based on KS Board of Regents data book and IPEDS Completions.         |
| University of Maryland - Baltimore                     |                                            |                                       |                                                                                |
| 2013 Endowment                                         | 867,017                                    | 230,006                               | Substituted 2013 VSE.                                                          |
| University of Maryland - Baltimore County              |                                            |                                       |                                                                                |
| 2013 Endowment                                         | 867,017                                    | 66,825                                | Substituted 2013 VSE.                                                          |
| University of Maryland - College Park                  |                                            |                                       |                                                                                |
| 2013 Endowment                                         | 247,896                                    | 433,821                               | Substituted 2013 VSE.                                                          |
| University of Massachusetts - Amherst                  |                                            |                                       |                                                                                |
| 2013 Endowment                                         | 664,240                                    | 272,087                               | Estimate 40.9% based on IPEDS.                                                 |
| University of Massachusetts Medical School - Worcester |                                            |                                       |                                                                                |
| 2013 Endowment                                         | 664,240                                    | 171,437                               | Estimate 25.8% based on IPEDS.                                                 |
| 2013 Giving                                            | Not Reported                               | 10,158                                | Substituted 2012 IPEDS.                                                        |
| University of Michigan - Ann Arbor                     |                                            |                                       |                                                                                |
| 2013 Endowment                                         | 8,382,311                                  | 8,382,311                             | Estimate at least 97% is main campus.                                          |
| 2013 Giving                                            | 351,552                                    | 351,552                               | Estimate at least 97% is main campus.                                          |
| University of Minnesota - Twin Cities                  |                                            |                                       |                                                                                |
| 2012 Total R&D                                         | 806,832                                    | 806,832                               | Estimate at least 97% is main campus.                                          |
| 2013 Endowment                                         | 2,757,476                                  | 2,757,476                             | Estimate at least 97% is main campus.                                          |
| 2013 Giving                                            | Not Reported                               | 219,905                               | Estimate based on IPEDS and university documents.                              |
| University of Missouri - Columbia                      |                                            |                                       |                                                                                |
| 2013 Endowment                                         | 1,259,738                                  | 692,853                               | Substituted 2013 VSE.                                                          |
| University of Nebraska - Lincoln                       |                                            |                                       |                                                                                |
| 2013 Endowment                                         | 1,338,728                                  | 870,173                               | Estimate 65.0% based on published documents.                                   |
| 2013 Giving                                            | 215,125                                    | 120,093                               | Estimate 63.8% based on IPEDS.                                                 |
| University of Nebraska Medical Center                  |                                            |                                       |                                                                                |
| 2013 Endowment                                         | 1,338,728                                  | 200,809                               | Estimate 15.0% based on published documents.                                   |
| 2013 Giving                                            | 215,125                                    | 70,505                                | Estimate 36.2% based on IPEDS.                                                 |

## Data Notes for Universities with Over \$40 Million in Federal Research

| University / Statistics                              | Original Data<br>(dollars in<br>thousands) | MUP Data<br>(dollars in<br>thousands) | Comments                                                                         |
|------------------------------------------------------|--------------------------------------------|---------------------------------------|----------------------------------------------------------------------------------|
| University of North Dakota                           |                                            |                                       |                                                                                  |
| 2013 Giving                                          | Not Reported                               | 9,080                                 | Substituted IPEDS.                                                               |
| University of Oklahoma - Norman                      |                                            |                                       |                                                                                  |
| 2012 Federal R&D                                     | 48,473                                     | 64,427                                |                                                                                  |
| 2012 Total R&D                                       | 165,708                                    | 115,529                               |                                                                                  |
| 2013 Endowment                                       | 1,324,313                                  | 927,019                               | Estimate 70% based on published documents.                                       |
| 2013 Giving                                          | 194,258                                    | 162,048                               | Estimate 82.9% based on IPEDS.                                                   |
| University of Oklahoma Health Sciences Center        |                                            |                                       |                                                                                  |
| 2012 Federal R&D                                     | 48,473                                     | 59,704                                |                                                                                  |
| 2012 Total R&D                                       | 165,708                                    | 101,648                               |                                                                                  |
| 2013 Endowment                                       | 1,324,313                                  | 397,294                               | Estimate 30.0% based on published documents.                                     |
| 2013 Giving                                          | 194,258                                    | 32,210                                | Estimate 17.1% based on 2012 IPEDS.                                              |
| University of South Carolina - Columbia              |                                            |                                       |                                                                                  |
| 2013 Endowment                                       | 544,939                                    | 544,939                               | Estimate at least 97% is main campus.                                            |
| University of Texas - Austin                         |                                            |                                       |                                                                                  |
| 2013 Endowment                                       | 20,448,313                                 | 9,145,142                             | Substituted VSE.                                                                 |
| University of Texas Health Science Center - Houston  |                                            |                                       |                                                                                  |
| 2013 Endowment                                       | 20,448,313                                 | 227,043                               | Substituted VSE.                                                                 |
| University of Texas Health Science Ctr - San Antonio |                                            |                                       |                                                                                  |
| 2013 Endowment                                       | 20,448,313                                 | 432,031                               | Substituted VSE.                                                                 |
| University of Texas MD Anderson Cancer Center        |                                            |                                       |                                                                                  |
| 2013 Endowment                                       | 20,448,313                                 | 1,111,653                             | Substituted VSE.                                                                 |
| University of Texas Medical Branch - Galveston       |                                            |                                       |                                                                                  |
| 2013 Endowment                                       | 20,448,313                                 | 495,887                               | Substituted VSE.                                                                 |
| University of Texas SW Medical Center - Dallas       |                                            |                                       |                                                                                  |
| 2013 Endowment                                       | 20,448,313                                 | 1,450,655                             | Substituted VSE.                                                                 |
| University of Washington - Seattle                   |                                            |                                       |                                                                                  |
| 2013 Endowment                                       | 2,346,693                                  | 2,346,693                             | Estimate at least 97% is main campus.                                            |
| 2013 Giving                                          | 336,184                                    | 322,231                               | Estimate based on IPEDS and university documents.                                |
| University of Wisconsin - Madison                    |                                            |                                       |                                                                                  |
| 2013 Endowment                                       | 2,020,019                                  | 2,334,560                             | Substituted 2013 VSE.                                                            |
| University of Wyoming                                |                                            |                                       |                                                                                  |
| 2013 Endowment                                       |                                            | 404,074                               | Foundation and university reported separately in 2013 reporting combined figure. |

**Data Notes for Universities with Over \$40 Million in Federal Research**

| University / Statistics               | Original Data<br>(dollars in<br>thousands) | MUP Data<br>(dollars in<br>thousands) | Comments                                      |
|---------------------------------------|--------------------------------------------|---------------------------------------|-----------------------------------------------|
| Washington State University - Pullman |                                            |                                       |                                               |
| 2013 Endowment                        | 777,628                                    | 777,628                               | Estimate at least 97% is main campus.         |
| 2013 Giving                           | 50,136                                     | 45,336                                | Estimate based university documents.          |
| Weill Cornell Medical College         |                                            |                                       |                                               |
| 2012 Federal R&D                      | 471,024                                    | 172,428                               | Estimate 36.6% based on university documents. |
| 2012 Total R&D                        | 799,794                                    | 292,782                               | Estimate 36.6% based on university documents. |
| 2013 Endowment                        | 5,272,228                                  | 1,138,386                             | Substituted IPEDS.                            |
| 2013 Giving                           | 474,957                                    | 148,460                               | Estimate 20.4% based on IPEDS.                |



## The Center for Measuring University Performance Publications

The Top American Research Universities.

(MUP Center Reports, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014). [<http://mup.asu.edu/research.html>]

The Best American Research Universities Ranking: Four Perspectives, 2013. [<http://mup.asu.edu/publications/BestUniversities.pdf>]

Measuring Research Performance: National and International Perspectives, 2012. [<http://mup.asu.edu/publications/MeasuringResearchPerformance.pdf>]

Moving Up: The Marketplace for Federal Research in America, 2011. [<http://mup.asu.edu/publications/MovingUpFedMarket.pdf>]

In Pursuit of Number One, 2010. [<http://mup.asu.edu/publications/PursuitOfNumberOne.pdf>]

Research University Competition and Financial Challenges, 2009. [<http://mup.asu.edu/publications/CompetitionAndFinancialChallenges.pdf>]

Competition and Restructuring the American Research University, 2008. [<http://mup.asu.edu/publications/CompetitionAndRestructuring.pdf>]

Rankings, Competition, and the Evolving American University, 2007. [<http://mup.asu.edu/publications/CompetitionAndTheEvolvingUniversity.pdf>]

Deconstructing University Rankings: Medicine and Engineering, and Single Campus Research Competitiveness, 2005. [<http://mup.asu.edu/DeconstructingUniversityRankings.pdf>]

Measuring and Improving Research Universities: TheCenter at Five Years, 2004. [<http://mup.asu.edu/MeasuringAndImprovingResearchUniversities.pdf>]

The Sports Imperative in America's Research Universities, 2003. [<http://mup.asu.edu/TheSportsImperative.pdf>]

University Organization, Governance, and Competitiveness, 2002. [<http://mup.asu.edu/UniversityOrganization.pdf>]

Quality Engines: The Competitive Context for Research Universities, 2001. [<http://mup.asu.edu/QualityEngines.pdf>]

The Myth of Number One: Indicators of Research University Performance, 2000. [<http://mup.asu.edu/MythNumberOne.pdf>]

Improving student success using technology-based analytics. *Diversity & Democracy*, Volume 17, Number 1 (2014) by Elizabeth D. Capaldi. [<http://aacu.org/diversitydemocracy/2014/winter/phillips>]

Rainer and Julie Martens Invited Lecture: Research Universities—the Next Five Years, *Kinesiology Review*, Volume 3, Issue 1 (2014), 4-12 by John V. Lombardi. [<http://journals.humankinetics.com/kr-back-issues/kr-volume-3-issue-1-february>]

Leading the University: The Roles of Trustees, Presidents, and Faculty, *Change*, 45:1 (2013), 24-32 by Richard Legon, John V. Lombardi, and Gary Rhoades. [<http://www.changemag.org/Archives/Back%20Issues/2013/January-February%202013/leading-the-university-abstract.html>]

Improving Advising Using Technology and Data Analytics, *Change*, 45:1 (2013), 48-55 by Elizabeth D. Phillips. [<http://www.changemag.org/Archives/Back%20Issues/2013/January-February2013/improving-advising-full.html>]

How Universities Work, Baltimore: Johns Hopkins (2013) by John V. Lombardi.

Performance and Costs in Higher Education: A Proposal for Better Data. *Change*, April, 23, 8-15 (2011) by Elizabeth D. Capaldi and Craig W. Abbey. [<http://www.changemag.org/Archives/Back%20Issues/2011/March-April%202011/better-data-full.html>]

Intellectual Transformation and Budgetary Savings through Academic Reorganization. *Change*, July/August, 19-27. (2009) by Elizabeth D. Capaldi. [<http://www.changemag.org/Archives/Back%20Issues/July-August%202009/full-intellectual-budgetary.html>]

Improving Graduation Rates: A Simple Method That Works, *Change*, 38:4 (2006), 44-58 by Elizabeth D. Capaldi, John Lombardi, and Victor Yellen. [[http://jvllone.com/A%20Simple%20Method\\_Change2006.pdf](http://jvllone.com/A%20Simple%20Method_Change2006.pdf)]

Using National Data in University Rankings and Comparisons (*TheCenter Reports*, June 2003) by Denise S. Gater. [<http://mup.asu.edu/gaternatldata.pdf>]

A Review of Measures Used in U.S. News & World Report's "America's Best Colleges" (*TheCenter Occasional Paper*) by Denise S. Gater. [<http://mup.asu.edu/Gater0702.pdf>]

TheCenter Top American Research Universities: An Overview (*TheCenter Reports*, 2002) by Diane D. Craig. [<http://mup.asu.edu/TARUChina.pdf>]

The Competition for Top Undergraduates by America's Colleges and Universities (*TheCenter Reports*, 2001) by Denise S. Gater. [<http://mup.asu.edu/gaterUG1.pdf>]

The Use of IPEDS/AAUP Faculty Data in Institutional Peer Comparisons (*TheCenter Reports*, 2001) by Denise S. Gater and John V. Lombardi [<http://mup.asu.edu/gaterFaculty1.pdf>]

Toward Determining Societal Value Added Criteria for Research and Comprehensive Universities (*TheCenter Reports*, 2001) by Roger Kaufman. [<http://mup.asu.edu/kaufman1.pdf>]

U.S. News & World Report's Methodology (*TheCenter Reports*, 2001, Revised) by Denise S. Gater. [<http://mup.asu.edu/usnews.html>]

A Decade of Performance at the University of Florida (1990-1999) (University of Florida, 1999) by John V. Lombardi and Elizabeth D. Capaldi [<http://mup.asu.edu/10yrPerformance.html>]

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