

# The Center

## *The Top American Research Universities*

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December 2004

*An Annual Report from*  
The Lombardi Program on Measuring University Performance

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# Measuring and Improving Research Universities: *TheCenter* at Five Years

## Introduction

This report marks the first five years of *TheCenter's* *Top American Research Universities*. Over this period, we have expanded the scope of these reports, we have offered some observations on the nature of the research university and its competitive context, and we have provided our colleagues with a stable and consistent collection of reliable indicators. The work of *TheCenter's* staff has involved all of us in a wide range of conversations with colleagues at other universities, with associations and conferences, and on occasion with colleagues overseas. These discussions and presentations have helped us test our methodology. Much of the comment on *TheCenter's* methodology turns on two primary issues. The first is our focus on campus-based institutions, and the second is our emphasis on aggregate measures.

Our initial approach to the question of measuring university performance came from a commitment to institutional improvement. Campuses seeking improvement need reliable national indicators to help them place their own performance within a national context. In several essays, we explored the nature of this context as well as discussed the operational model of research universities and the structural implications of state university system organization. These discussions have enriched our understanding and reinforced our conclusion that a campus' performance is the critical indicator of institutional competitiveness.

Some state systems prefer to present themselves to their statewide constituencies as if they were a single university with a common product, but students, parents, faculty, and other institutions immediately recognize that the products of different campuses within the same system vary significantly. The system approach has value for explaining the return on a state's public investment in higher education, but it provides a less effective basis for measuring institutional performance. We discuss some of these issues in more detail in this document where we review system performance measures and compare them to campus performance to provide a perspective on scale and utility of these views of institutional activity. In some states, moreover, systems serve to protect the campuses against legislative or other forms of inappro-

priate interference. In highly politicized contexts, systems prefer to report only system-level data to prevent misuse of campus-specific data. For these and other reasons some multi-campus institutions remain committed to viewing themselves as single institutions on multiple campuses. While we respect that decision, we nonetheless attempt to separate out the performance of campuses in our presentation of data.

The second major issue involves the question of aggregate versus some relative measures of performance of research universities. *TheCenter's* data reports an aggregate measure of performance in all but one instance (the SAT scores), whether it is the institution's total research, its federal research, its awards, or the like. Each of these measures (with the exception of the SAT score, which the College Board reports as a range) appears without any adjustment for the size of the institution, normalization by number of faculty, adjustment for size of budgets, or any other methods of expressing performance relative to some other institutional characteristic.

While size, for example, is of some significance in the competition for quality faculty and students, the size variable is not easily defined. We have made some estimates in our 2001 and 2002 reports in an attempt to identify the impact of institutional size (whether expressed in terms of enrollment or budget). In some circumstances size is an important variable; but this is not universally so. Public institutions with large enrollments have an advantage over public institutions with small enrollments in many cases, but not in all. Private universities benefit much less, if at all, from large student enrollments. We do know that the amount of disposable income available to an institution after deducting for the base cost of educating students appears to provide a significant advantage in the competition measured by our data. However, reliable data on institutional finances remain elusive, and we consider our findings in this area indicative but not necessarily definitive.

If the data on enrollment and finances prove inadequate to help us measure the relative performance of institutions, the data on faculty are even less useful. As we discuss in more detail below, the definition of "faculty" varies greatly among institu-

*Absent reliable, standard measures, the data collected and reported by TheCenter remain the best current indicators for tracking competitive performance over time.*

tions, and the proportion of faculty effort devoted to research rather than to teaching, administration, or service is usually unavailable in any comparable form. These two defects in the data reported publicly by universities render all attempts to normalize institutional performance by faculty size misleading.

Until reliable, standard measures appear for many of the quantities that interest all of us who seek effective measures of institutional performance, the data collected and reported by *TheCenter* will remain the best current indicators for tracking competitive performance over time.

In reaffirming our focus, we must continually emphasize that *TheCenter's* data do not identify which institution is “better” or which institution is of “higher quality.” Instead, the data show the share of academic research productivity achieved by each campus represented in the data. It is entirely possible that some of the faculty in a small institution, with a small amount of federal research, are of higher quality than some of the faculty in a large institution, with a large amount of federal research. However, it is surely the case that the institution with a large amount of federal research has more high-quality, nationally competitive faculty than the institution with a small amount of federal research.

*TheCenter* primarily measures market share. For example, the federal research expenditures reported for each institution represent that institution's share of all federal research expenditures. That Johns Hopkins University (JHU) spends more federal research dollars per year than the University of Maryland-Baltimore County (UMBC) is indisputable, and that JHU has more people engaged in federally sponsored research activity than UMBC does is virtually certain. This does not mean, however, that the best faculty members at UMBC are less competitive than the best faculty members at JHU. It means only that the JHU faculty have succeeded in competing for more federal research awards leading to higher annual expenditures.

This distinction, often lost in the public relations discussion about which campus is the best university, is of significance because each campus of each university competes against the entire marketplace for

federal research dollars (and other items captured in *TheCenter's* data). When Johns Hopkins' faculty or when the University of Maryland-Baltimore County's faculty win awards, they do so in competition with faculty based at institutions all over the country. The university competition reflected in *TheCenter's* data measures the success of each institution's faculty and staff in competition against all others – not the success of each institution in a competition against a presumed better or worse institution in some ranking. This frame of reference gives *TheCenter's* data its utility for institutions seeking reliable ways of measuring their improvement because it indicates institutional performance relative to the entire marketplace of top research universities. Although *TheCenter* ranks institutions in terms of their relative success against this total marketplace, it is not only the ranking or the changes in ranking that identify competitive improvement but also the changes in performance relative to the available resources. If the pool of federal research expenditures controlled by those universities spending \$20 million or more grows by 5% and an institution increases its federal expenditures by 3%, it has indeed improved, but it has lost ground relative to the marketplace. This context helps place campus improvement programs into a perspective that considers the marketplace within which research universities compete.

From the beginning, *TheCenter* posted online all the data published in *The Top American Research Universities* and variety of other data that universities might find useful in understanding and interpreting research university competitiveness in a format that permits downloading and reanalysis. This feature has proved particularly helpful to institutional research offices, and comments from many colleagues indicate its value. The Web statistics compiled each year for the annual meeting of *TheCenter's* advisory board also indicate the value of the online presentation of data. Although we distribute about 3,000 copies of the report each year, primarily to university offices on research campuses, the hit rate on the Web site indicates that the reach of *TheCenter's* work is considerably larger. We note in particular a significant interest overseas, as more institutions see the competitive context as international and as more institutions outside the United States seek ways of measuring their own competitiveness. This interest also has prompted consultations and papers from *TheCenter* staff.

While we have been pleased with the reception given this effort by our colleagues, our review of *TheCenter's* impact offers some lessons for improved effectiveness. Many in our audiences have found the

essays at the beginning of each report of considerable interest, either because they treat topics of current interest or because they have proved useful in educating trustees and others about the context of research university competition. At the same time, the essays' inclusion in the report has limited their visibility in the academic community, and we have begun to reconsider the practice of bundling the topical essays with the report. As the prevalence of Web-based distribution of specialized publications continues to expand, we also have begun a review of the current practice of publishing a paper report. While some audiences, particularly trustees and other participants in the larger policy debates, may find the paper copy more accessible, the professionals who use the data may well see the Web-based product as sufficient.

In any event, these five years have provided the occasion to develop a useful set of data and have offered an opportunity to contribute to the conversation about university competitiveness and improvement. We remain grateful to Mr. Lewis Schott, whose gift to the University of Florida made this report possible. We also are grateful to the University of Florida for continuing to serve as the host institution for the *TheCenter's* activities and to the University of Massachusetts Amherst and The State University of New York for their continued support of the co-editors.

### *TheCenter's* Framework

Research universities live in an intensely competitive marketplace. Unlike commercial enterprises that compete to create profits and enhance shareholder value, research universities compete to collect the largest number of the highest-quality research faculty and research productivity as possible. They also compete for the highest-quality but not necessarily the largest number of students.

Because the demand for these high-quality students and faculty greatly exceeds the supply, research institutions compete fiercely to gain a greater share of these scarce resources. Although the process of competition is complex and has different characteristics in different segments of the research university marketplace (small private institutions and large public universities, stand-alone medical institutions and public land grant universities, for examples), the pursuit of quality follows the same basic pattern everywhere. Talented faculty and students go where they believe they will receive the best support for developing their talent and sustaining their individual

achievement in the many marketplaces for their skills. Research universities compete to capture and hold talented individuals in the institution's name, and individuals compete with other individuals for the recognition of their academic accomplishments. This competition takes place in a national and international marketplace represented by publications in prestigious journals and presses, grants won in national competition, prizes and awards recognizing exceptional academic accomplishments, offers from increasingly prestigious institutions, desirable employment post-graduation or placement in prestigious post-graduate programs, and similar tokens of national or international distinction.

The work that defines a research university's level of competitive performance appears in the accumulated total productivity of its individual faculty, staff, and students. The importance of individual talent in the research university marketplace helps explain the strategies institutions pursue to enhance their competitiveness. Although faculty talent is mobile, the infrastructure that supports their creativity and productivity is usually place bound. Institutions, universities, and medical centers build elaborate and often elegant places to capture and support high-quality faculty. They provide equipment, lab space, staff, and research assistance. They build libraries and offices, pay the substantial cost of research not covered by grants or external funds, support the graduate students essential for much faculty research, and in most places recruit the best undergraduates possible for the faculty to teach and to create the campus life that attracts many research faculty.

The American research university enterprise operates within a complex multilayered organizational, managerial, and regulatory framework. With elaborate bureaucracies and highly structured organizational charts, research universities resemble modern corporations on the surface. Operationally, however, especially at the faculty level, they are one of the last of the handicraft, guild-based industries in America, as described in our 2001 report. Faculty organize themselves into national guilds based on the methodologies and subject matter of their disciplines. Chem-

*The research university's competitive performance appears in the total productivity of its individual faculty, staff, and students.*

ists and biologists use different methods and tools to investigate different subsets of the scientific universe. While many topics at the edges of these guild boundaries overlap, and produce such fields as biochemistry, the guilds define themselves by the center of their intellectual domains and not the edges.

The national nature of the guilds reflects the mobility of faculty talent. A historian in California today may be a historian in New York tomorrow. The historians' guild remains the same, and the criteria used to define historical excellence are the same on both coasts. The university does not define the standards of excellence; the faculty guilds do. A university can accept individuals who do not meet guild standards, but it cannot do so and remain competitive. Evaluating and validating quality requires the highest level of very specific expertise. Few observers outside the guild have sufficient expertise to identify and validate quality research at this level, and so the university requires the national guilds to certify the quality the institution seeks.

Although faculty research talent is individual, high-quality faculty become more productive when they work in contexts with significant numbers of other high-quality faculty. Not only is it easier to recruit a high-quality faculty member to join a substantial group of similarly distinguished colleagues but the university can support 10 first-rate chemists much more effectively than it can support one. University quality, once established at a high level and substantial scale, becomes self-sustaining. We describe the structure and operation of the research university in the 2001 report as quality engines, and we explain the relationships that link academic guilds to their organizational structure within colleges and schools, and to their relationship with the university's administrative shell.

The key question for every research university is how to engage the competition for quality. The most important element in every research university's strategy is a set of indicators – measures that allow a clear and objective method to assess how well the institution competes against the others among the top research universities. Constructing such reliable measures proves exceedingly difficult, even though every university needs them. These difficulties fall into various categories.

**Compositional difficulties** refer to the widely differing characteristics of research competitive institutions. Some have large undergraduate populations of 30 thousand or more while others support five, one, or even fewer than one thousand under-

graduates. Competitive research universities can encompass practically every known academic and research specialty while others concentrate on medical sciences, engineering, or the liberal arts and sciences. When we compare institutional performance across this widely diverse universe, we encounter significant difficulty interpreting the data as discussed in our 2001 report.

**Organizational difficulties** occur because research universities often exist within complex governance structures. Most private institutions have relatively simple organizational arrangements with a single board of trustees governing one university campus. Public institutions, however, operate within a wide range of different and often complex governance systems, often with multiple institutions governed by single boards and elaborate control structures applied to multiple campuses. These public models respond mostly to political considerations and can change with some frequency. In our 2002 report, we discuss whether these different organizations have an influence on the research effectiveness of the institutions they govern, rendering comparisons of institutions difficult to interpret.

**Money differences** also distinguish research universities. All research universities derive their revenue from the same general sources, although in significantly different percentages. These sources include:

- student tuition and fees;
- grants and contracts for research and services;
- federal and state funds achieved through entitlements, earmarks, funding formulas, or special appropriations;
- income from the sale of goods and services including student housing and dining, various forms of continuing and distance education, interest on deposits, and other smaller amounts from such services as parking;
- clinical revenue from medical services provided by university faculty and staff;
- income from private funds located in endowments or received through annual giving programs; and
- income from the commercialization of intellectual property in licensing, patents, and royalties.

Public and private universities have different revenue structures, with many public research institutions having significant portions of their operating

and capital budgets provided by their state governments from tax revenue. Private institutions, while they often have special subsidies from the state for special projects or through per-student subventions for in-state students attending the private institution, nonetheless have a much smaller percentage of their budgets from state dollars in most cases. In contrast, private universities usually have higher average tuition per student than most public institutions, although often the out-of-state fees charged by many public institutions reach levels comparable to the discounted tuitions of many but not all private institutions.

All major research universities, public or private, have large expenditures from grants and contracts for research and services. The most prestigious of these federal grants come from agencies such as the National Institutes of Health (NIH) and National Science Foundation (NSF) that use competitive peer-reviewed processes to allocate funding, but all institutions seek contract and grant funding from every possible source – public, private, philanthropic, or corporate. In most, but not all, cases, private institutions tend to have a larger endowment than public universities, although in recent decades aggressive fundraising by prestigious public institutions has created endowments and fundraising campaigns that exceed many of their private research counterparts. The income from these endowments and the revenue from annual campaigns that bring current cash to the institutions provide an essential element to support high-quality, research university competition.

Most observers recognize that the revenue available to any institution is critical to the successful competition for talented faculty and students, but measuring that revenue in an effective and comparative way proves difficult, as we outline in our 2002 report. One of the challenges involves higher education capital funding, especially in the public sector. Public universities have many different ways of funding and accounting for the capital expenditures that build buildings and renovate facilities. In some states, the university borrows funds for this purpose on its own credit, and the transactions appear fully accounted for on the university's books. In other states, however, the state assumes the debt obligation and builds the institution's academic and research buildings. The debt and payments can appear in different ways on the state's books, often combined with other state capital expenditures either for all of higher education or all public construction.

It usually proves impossible to get good comparable data about university finances. In the case of research universities, this is particularly important

because the availability of good research space is a critical element in the quest to attract the best research faculty. In our 2002 report we discuss a technique to approximate the amount of disposable revenue available for a university to invest in supporting research and higher-quality instruction, after allowing for the base cost of instruction. Full exploration of the issue of revenue and expenses relies mostly on case studies of particular university circumstances among relatively small subsets of institutions. Comparison of numbers such as annual giving and endowments provides a sense of the relative wealth available outside of the general revenue from tuition and fees, grants and contracts, and other sources of earned income to support quality competition.

## Ranking and Measurement

Given the complexity of the research university marketplace, reliable indicators of university performance are scarce. Nonetheless, colleges and universities of all types and especially their constituencies of parents and alumni, donors and legislators, and high school counselors and prospective students all seek some touchstone of institutional quality – some definitive ranking that takes all variables into account and identifies the best colleges in a clear numerical order from No. 1 on down.

Any reasonably well-informed person knows immediately that such a ranking is not possible in any reliable or meaningful way. Yet, commercial publications continue to issue poorly designed and highly misleading rankings with great success. Many things contribute to this phenomenon of the high popularity of spurious rankings.

The most obvious is that Americans have a passion for the pursuit of the mythical No. 1 in every field – the richest people, the best dressed, the tallest building, the fastest runner, the No. 1 football team. This cultural enthusiasm includes an implied belief that the status of No. 1 is a fragile condition, likely to disappear or decline within a year or less. The popularity of most rankings rests in part on the expectation that, each year, the contest for No. 1 will produce a new winner and the rankings of the other players will change significantly. The ranking summarizes this competitive drama at the end of each cycle.

This model of human behavior in competition may work well for track-and-field events, or basketball seasons. It may serve to categorize relatively standardized quantities such as wheat production or rainfall amounts. However, it fails miserably in



accurately classifying higher education institutions that are not only complex and different but whose performance does not change dramatically or significantly on annual cycles.

Yet the ranking industry thrives. Even when college and university leaders recognize, mostly in private, that the published commercial rankings are unsound, they nonetheless celebrate in public those rankings in which some aspect of the institution ranked highly. In these cases, the right answer justifies faulty measurement. If we want 2-plus-2 to equal a rank of 1, we celebrate those who say the answer is 1, we publicize the result of 1, and we allow the error in calculation to pass unchallenged. If the calculation of 2-plus-2 produces an undesirable ranking of 100, then we focus our attention on the serious

alternatives based on quality, standardized data from the institutions themselves. Colleges and universities have few incentives to provide the public with accurate, systematic data useful for good measurement of the products they produce. Although some observers think this responds to a cynical disregard of the public's right to know and an effort to disguise poor performance (which may well be a minor item in the larger context), the real reason for the reluctance of institutions to provide data useful for comparative purposes is a justifiable concern about how others might use the data.

If the data were good, they would account for institutional complexity. Universities, however, are remarkably complex and highly differentiated in organization, composition, purpose, and financing. At the same time, they produce similar if not identical products. Many university leaders fear that the provision of standardized data that do not take into account significant institutional differences will lead to invidious and inaccurate comparisons among universities or colleges of much different type that produce virtually identical products of identical quality.

As an example, an urban institution with large numbers of part-time enrollees that serves at-risk students from families with low-to-modest annual earnings and with poor high school preparation nonetheless produces the same four-year baccalaureate degree as a suburban residential college that admits only highly qualified students from exceptional high schools whose parents have substantial wealth. A common and easily computed measure is graduation rate, which measures the percentage of those students who enroll first time in college and then graduate with a completed –four-year degree by year four, five, or six. The elite college may have a rate in the 80%-90% range, and the urban school may have a rate in the 40% range. Legislators, parents, and others take this simple, standardized measure as representing differences in educational performance by the colleges and attack the urban institution for its failure to graduate a higher percentage of those enrolled. This kind of response is familiar to university and college people, and in reaction they often reject most standardized measurement.

The reasons for differential graduation rates are many. Two identically positioned institutions with identical student populations could have different graduation rates either because they differ in the quality of their instruction or because they grade all students with a passing grade. The graduation rate by itself tells nothing about the performance of the

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flaws in a ranking that gives the wrong answer, whatever its methodology.

Perhaps a more fundamental reason for the popularity of college and university rankings reflects the extraordinary complexity and variety of American higher education institutions and the remarkably standardized nature of their undergraduate curricula and programs. Observers have great difficulty distinguishing the relative value of institutions because their undergraduate products appear so similar. The rankings offer the illusion of having resolved this dilemma by producing a set of numbers that purport to be accurate tokens of widely differential relative value.

We, along with many other colleagues, have reviewed the methodological fallacies and other errors in the most popular ranking schemes. These critiques, even though devastatingly accurate, have had minimal impact on the popularity of the rankings and indeed probably have contributed to the proliferation of competing versions.

Aside from the obvious public relations value of rankings and the American fascination with lists of this kind, a more fundamental reason for their success and popularity has been the lack of any reasonable

institution or its students unless we know a lot more about the institution, its instructional activities, its grading patterns, and the quality and preparation as well as economic circumstances of its students. For example, if the full-time institution has students who arrive from elite high schools with advanced placement courses, then the full-time institution's students will have fewer courses to complete for a four-year degree than will students who arrive in higher education without these advantages.

Does this mean that an indicator such as graduation rate has no value? Of course not. What it does mean is that its primary value is in measuring change over time in a single institution and within the context of that institution's mission. However, regulatory agencies, the press, legislators, trustees, alumni, and other observers frequently misrepresent or misunderstand these indicators. In response, institutions resist standardized measures as much as possible. Instead, institutions may provide difficult-to-misuse data, or data unique to the institution that is difficult to compare. In some cases, if a standardized measure will make the campus appear successful, even if the data underlying it are suspect, the institution will publicize the data for public relations purposes.

### Particular Difficulties in Undergraduate Rankings

Many observers have difficulty recognizing the remarkable formal uniformity of the undergraduate educational product of American higher education. Thanks to accreditation systems, the pressure of public funding agencies in search of standards for financing higher education, the need for common and uniform transfer rules among institutions, and the expectations of parents, most undergraduate education in America conforms to a standardized pattern of 120 credit hours of instruction delivered within a full-time four-year framework. Whether the student begins in a community college and transfers to a four-year institution, or begins and graduates at an elite private four-year college, this pattern is almost universal in the United States. Accreditation agencies speak to this norm, parents expect this norm, public agencies fund this norm, and graduate or professional education beyond the baccalaureate degree anticipates student preparation within this norm.

This norm, of course, does not apply exactly to every student because many take longer than four years to complete, many pursue higher education at multiple institutions through transfer processes, and

others start but never complete a four-year degree. Nonetheless, this standardized frame not only specifies the normal amount of time on task (120 credit hours for a liberal arts degree) but also includes standardized content with a core curriculum taken by all students and a major specialization that prepares students for specific work or advanced study. Even when the rhetoric surrounding the structure of the curriculum varies from institution to institution, the content of organic chemistry, upper-division physics, calculus, accounting, American history, or engineering vary little from institution to institution. The pressure of accreditation agencies in such fields as engineering and business and the expectations for graduate students in medicine, law, and the liberal arts and sciences impose a narrow range of alternatives to prepare students for their post-graduate experience. This, in addition to the expectations of many employers, combines to ensure the uniformity of undergraduate experience. All four-year institutions produce student products for the same or similar markets. Consequently, these products tend toward the standards consumers expect of their graduates.

As we indicated above, the competition for quality students is particularly fierce among high-quality four-year colleges and universities, but because of the standardized nature of the curriculum, it is difficult to compete on instructional content. Instead, institutions focus on other issues. They speak to the "experience" of the student as distinguished from the knowledge acquired by the student. They speak to the activities available for students beyond the classroom as distinguished from the standard context of the classroom. They talk about the quality of the facilities, the amenities of the campus, and the opportunities for enhancements to the standard curriculum in the form of overseas studies, internships, and similar extracurricular activities. They emphasize the small size of the classes rather than the amount of knowledge acquired by students during their education. These contextual characteristics of an undergraduate education are easier to advertise and display than differences in the actual quality of instruction that may take place in classes taught by better or worse faculty to well- or poorly prepared students.

Indeed, few institutions have a clear plan for measuring the amount of knowledge students acquire during the course of their passage through the four-year frame of an undergraduate degree. Do students who attend part-time, do not participate in extracurricular activities, and live at home acquire less knowledge than those who attend full-time, reside on campus, and participate intensively in campus life

throughout the four years of their residence at the college? Much research has attempted to find a way of measuring these effects, but, for the most part, the results have been inconclusive. While students who attend continuously for four years at institutions that recruit students from high-income families with excellent high school preparation appear to have an advantage in the marketplace after graduation, the difference is minor compared to advertised advantages and price differentials. Moreover, the differences do not appear to flow necessarily from the knowledge acquired in the standardized curriculum through the instruction of superior faculty but perhaps from the associations and networks developed among students and alumni by virtue of participation at the institution rather than by virtue of the content of the education provided.

Some data do exist on the knowledge acquired by college graduates through standardized tests for admission to medical school (MCAT), graduate school (GRE), or law school (LSAT), for examples. However, few institu-

tions collect this information in ways that would permit effective institutional comparisons of performance. Only some four-year institutions would have sufficient percentages of their graduates taking these exams for the standardized test results to serve as national metrics, although these results surely would be useful indicators for the highly competitive research institutions that have been our focus.

### Performance Improvement

Most institutions avoid large-scale public comparisons based on standardized data. They see little advantage in such exercises because the data used are often so poor. They believe it more effective to publicize the unique context within which they deliver their standardized curriculum than to explain and document any differential quality or success that their classroom work might produce.

Nonetheless, most university people want to improve their institutions. They want to have more success in every dimension—from acquiring resources to attracting first-rate students and faculty, from driving research performance to enhancing their prestige among their peers. The literature on performance improvement in higher education is endless and endlessly creative. Journals, higher education associations, conferences, and foundations all focus on these issues. Elaborate budgeting schemes attempt to motivate and reward improvement. Complex evaluation and accountability structures, particularly popular in public higher education, consume the time and energy of faculty, staff, and students. Much of this activity falls into the area of fad—popular but short-lived enthusiasms that create flurries of activity, much reporting and meeting, and little practical effect.

Those involved in the accountability movement and the institutional improvement process over long periods can easily become cynical about these recurring enthusiasms for reform using innovative and clever systems, many derived from corporate fads of similar type. Often the university will become the last implementation of a corporate fad whose time has already passed, whether it is Zero-Based Budgeting, Total Quality Improvement, Six-Sigma, or any of a number of other techniques designed to drive corporate quality control and profitability and proposed as solutions to the higher education production environment.

These usually fail—not because they lack insight and utility but because they do not fit the business model of the high-quality research university. Although research universities have a number of surface characteristics that make them look like modern corporations, as we have mentioned above and discussed at length elsewhere, they do not function like modern corporations.

Before we turn to a discussion of the indicators that can drive improvement in performance, we have to be clear about the performance we seek to improve. Research universities have a business model that seeks the largest quantity of accumulated human capital possible. This model does not accumulate human capital to produce a profit; it does not accumulate the capital to increase individual wealth, provide high salaries for its executives and employees, or generate a return on investment to its stockholders. The research university accumulates human capital for its own sake. The measure of a research university's success as an enterprise is the quantity of high-quality human capital it can accumulate and sustain.

*Most institutions publicize the unique context of their standardized curriculum rather than document the differential quality or success of their classroom work.*

Because the accumulation of this capital takes place at the lowest level of the institutional organization—the academic guild or discipline—all incentives and measurements in the end focus on the success of the guild. The rest of the institution—the administration, physical plant, housing, parking, accounting services, research promotion, fundraising, legislative activity, student affairs, instructional program enhancements, and every other like activity—exists to attract and retain both more and better-quality human capital. Some of this capital is short-term, student human capital with a replacement cycle of four to six years. Some of it is longer-term, faculty human capital with a replacement cycle of 20 years or more.

This business model provides us with a clearer focus on what we need to measure, and how we need to manage investments to improve any major research institution. Although the focus here is on human capital accumulation, the most important single element in the acquisition of high-quality human capital is money. All other things being equal, the amount of money available to invest in attracting and retaining human capital will set a limit on a university research campus' success. Of course, not all things are equal, and institutions with good support systems, effective and efficient methods for managing physical plant and supporting research, and creating exciting environments for students will get more from each dollar invested than those places with inefficient and ineffective administration and support. Nonetheless, while good management can multiply the effectiveness of the money spent on increasing human capital, good management cannot substitute for lack of investment.

Within this business model, then, are two places to focus measurement in order to drive improvement. The first is to emphasize revenue generation. The second is to measure faculty and student quality. In higher education, as in most other fields, people tend to maximize their efforts and creativity on what their organization measures; as a result, a clear focus on measurement is particularly helpful. In universities, moreover, when few people's motivation is profit oriented (primarily because the personal income increase possible from an added amount of university-related effort is very small) the competition normally turns on quality, which produces prestige. Indicators of quality, then, create a context for recognition of prestige differences.

While individuals in research universities have rather narrow opportunities for personal income

enhancement through the university, they have substantial opportunities for prestige enhancement through institutional investment in the activities from which they derive their prestige. A superb faculty member may make only 150% of the salary of a merely good faculty colleague, but the institution can invest millions in supporting the work of the superb faculty member and only hundreds of thousands in the work of the good faculty member. The multiplier for faculty quality is the institutional investment in the faculty member's work rather than the investment in the individual's personal wealth. The institution must pay market rates for high-quality faculty, but the amount required to compete on salary is minimal compared to the amount required to compete on institutional support for research excellence. A hostile bid for a superb faculty member in the sciences might include from \$50,000 to as much as \$100,000 in additional salary but \$1 million to \$5 million in additional research support, as an illustration of these orders of magnitude. Although the additional salary is a recurring expense and the extra research support generally a one-time expense, the cumulative total of special research support for new or retained faculty represents a significant repeating commitment for every competitive research institution. Unionized and civil service faculty salary systems moderate the impact of individual wealth acquisition as a motivator for faculty quality. These systems raise the average cost of faculty salaries above open-market rates and focus most attention on maintaining floors and average increases rather than on significant merit increases. Most universities nonetheless meet competitive offers for their nationally competitive faculty, whatever the bureaucratic structure of pay scales. The marketplaces based on salary enhancement and the required investments in research support combine to increase the cost of maintaining nationally competitive faculty.

In the case of the accumulation of high-quality student capital, the model is a bit more complex depending on the institution and its financial structure. In a private research university without substantial public support and high tuition, quality students represent a net expense in most cases. Although tuition and fees are high, at least nominally, the competition for very high-quality students requires a

*The measure of a research university's success is the quantity of high-quality human capital it accumulates.*

discount from the sticker price, on average perhaps at the 40% rate. Universities and colleges provide this discount at much higher rates to superb students and at much lower rates, if at all, to merely good students. Almost all elite private research universities subsidize the cost of undergraduate education for their very high-quality students. High-quality students are a loss leader. Colleges and universities recover this investment in the long term, of course, through the donations and contributions of prosperous alumni, but in the short term it costs more to produce a student than the student pays after the discounts. This places a limit on the number of high-quality students a private institution can support. The number varies depending on many individual characteristics of the institutions, but the self-limiting character of the investment in quality students tends to keep private research university enrollments substantially below those of their public counterparts.

In the public sector, the state provides a subsidy for every student. In most states, but not all, the subsidy makes the production of undergraduate education a surplus-generating activity, and at student population sizes less than 40,000, undergraduate education benefits from increased scale. Public institutions teach some courses at sizes substantially larger than in private institutions (200 to 500 or more in an introductory lecture), and they use inexpensive teaching labor to support large numbers of instructional hours in laboratories, discussion sections, and other beginning classes. These economies of scale permit public universities to accumulate a surplus from their undergraduate economy to reinvest in the quality of the students attracted (either by merit scholarships or through the provision of amenities and curricular enhancements such as honors colleges and endless extracurricular activities).

In both public and private sectors, the investments the institution makes in acquiring a high-quality student population and those it makes to recruit and retain superb faculty compete. The return on an investment in student quality always competes against the return on an investment in faculty quality. Although most institutions behave as if these are two separate economic universes, in fact, they both draw on the same institutional dollars. Every dollar saved on instructional costs can support additional research, and every dollar saved on research support can support an instructional enhancement.

The American research university environment varies widely in this relationship between size of undergraduate student population, number of faculty, and amount of research performed. Depending on

the possible surplus generated by teaching, universities will have larger or smaller student populations relative to their continuing tenure-track faculty. Universities also have different strategies for teaching, with some institutions expecting a substantial teaching commitment from all faculty and others using temporary, part-time, or graduate student instructors to carry a significant portion of the teaching responsibility. These variations reflect different revenue structures, but for high-quality research universities, the goal is always to have the highest possible student population and the highest-quality research performance by the faculty.

The need for balance reflects not a philosophical position on the nature of higher education but rather the structure of funding that supports high-quality universities. The critical limit on the accumulation of high-quality human capital is revenue, and all research universities seek funding from every possible source. Revenue is the holy grail of all research universities. Students are a source of revenue, whether deferred until graduates provide donations (as in the case of private and increasingly public universities) or current from state subsidies (in the case of public and, to a much lesser extent, some private institutions). Students not only pay costs directly but also mobilize the support of many constituencies who want to see high-quality students in the institutions they support (through legislative action, federal action, private gifts, or corporate donations).

Each revenue provider has somewhat different interests in students, but all respond to the quality of the undergraduate population. Legislators appreciate smart students who graduate on time and reflect an enthusiastic assessment of their educational experience. Federal agencies provide support through financial aid programs for students who attend higher education, making it possible to reduce the cost to the campus of teaching. Private individuals invest in undergraduate programs either because they themselves had a wonderful experience 10 to 40 years ago or they want to be associated with today's high-quality students. Corporations support student programs because they are the ultimate consumers of much of the institutions' student product.

All of these examples respond to quality. Few want to invest in mediocre, unenthusiastic, unhappy students who do not succeed. Smart, creative, and motivated students not only make effective advertisements for the institution but are cheaper to teach, cause fewer management problems, attract the interest of high-quality faculty, and go on to be successful after graduation, continuing the self-reinforcing cycle

for increased student quality. Moreover, the more money generated around the instructional activity, the more becomes available to support the research mission.

The business model of the research enterprise bears some similarities to the student enterprise. Research is a loss leader. It does not pay its own expenses. Research requires a subsidy from university revenue generated through some means other than the research enterprise itself. This is a fundamental element in the research-university business model that often is lost in the conversation about the large revenue stream that comes to universities from research partially sponsored by the federal government, corporations, and foundations. In successful research universities, at least 60% to 70% of the research enterprise relies on subsidies from the institution's non-research revenue. The other 30% to 40% of the total research expenses come from external research funding for direct and indirect costs.

Many expenses fall to the university's account. The institution provides these indirect costs for the space, light, heat, maintenance, and operations associated with every research project funded by an external agency. These costs, audited by the federal government through an elaborate procedure, add about 60% to the direct costs, or the expenses on such things as personnel and other elements required to perform the research. In addition, the rules for defining these indirect costs exclude many expenses assumed by the institutions. Government agencies, recognizing the intense competition for federal research grants, often negotiate discounts from the actual indirect costs and, in addition, require a variety of matching investments from the successful competitors for grants. If an institution can recover even half of the audited indirect costs from the agency funding its research, it considers itself fortunate. At the same time, successful competitors for federal research also have to make special capital investments in laboratory facilities, faculty and staff salaries, graduate student support, and a wide range of other investments to deliver the results partially paid for by the federal grant. These matching contributions, in addition to the unrecovered indirect costs, can add an additional 10% or more to project cost. These transactions clarify the business model of the research university, for the goal of research is obviously not profit or surplus generation but rather the capacity to attract, support, and retain superb research faculty to add to total of high-quality human capital.

The research university's relentless pursuit of additional revenue from every source gathers the financial support required to ensure that first-rank faculty can compete successfully for research grants and projects. The revenue also supports, although at a lower cost but nonetheless significant scale, the humanities and social science faculty whose research results in publications in prestigious journals or university presses.

### Our Choice of Indicators of Competitive Success

Over the years, many people have devoted much time and effort to the task of measuring research university performance. These efforts, including this one, tend to focus on particular aspects of university activity such as students, research, public service, or other elements of an institution's activities. Almost all indicators invented for measuring institutions of higher education depend on the quality and reliability of the data collected and the relationship of the indicator to the various dimensions of university activity for their usefulness. Good indicators used for inappropriate purposes are no more helpful than bad indicators. Annual federal research expenditures, for example, is a good indicator of research competitiveness, but it cannot measure the quality of classroom instruction.

*The Top American Research Universities* collects data that have certain characteristics.

- First, the data need to be reliably collected across the universe of research universities. This often means data collected or validated by sources outside the institutions themselves.
- Second, the data need to either speak directly to indicators of quality or serve as useful surrogates for quality.
- Third, *TheCenter* must publish the data in a form that permits others to use the information in different ways or for different purposes.

*Smart, creative, and motivated students are cheaper to teach, cause fewer management problems, attract the interest of high-quality faculty, and go on to be successful after graduation.*

*Good indicators used for inappropriate purposes are no more helpful than bad indicators.*

*TheCenter* avoids survey data. While survey data can help universities understand many aspects of their operations, we have not found good survey data focused on research performance. This is particularly true of survey data that attempt to measure research performance based on the opinions of university people. These surveys, while technically sound in many cases, fail because the surveyed population

cannot have sufficient knowledge to respond accurately to questions about research quality. No one in the university world has a full understanding of the current research productivity that affects the success of major institutions.

Experts may know a lot about theoretical physics or modern poetry and about accounting programs or mechanical engineering, but no one has enough information to pass informed judgment on the research quality of the 180 or so major research institutions in America. They can reflect on the general prestige of institutions, they can give a good sense of the public name recognition of various institutions, and they can reflect the accumulated public relations success of colleges and universities. Under the best of circumstances, reputation reflects both current and past success; it may rest on the work of famous scholars long departed, on the fame associated with celebrities, or on the name recognition associated with intercollegiate athletics.

Whatever the source of the name recognition that translates into reputation, and whatever the importance of name recognition in the competition for quality faculty and students, improvement and competition in the end turn on actual research by and acquisition of actual faculty and students, and not on the variable reflections of the glory associated with different name brands. Often, the reputation of institutions matches their current performance; but sometimes it does not. While reputation may match performance among the best institutions that excel in everything, it is much less a reliable indicator among universities with below-top-level performance. To track improvement among these colleges and universities, more robust and reliable indicators that apply to the great and near-great are required. *The Top American Research Universities* offers data on an annual basis that can help institutions improve. We use data that reflect performance rather than surveyed opinions about performance.

Equally problematic are data that attempt to measure student satisfaction or student engagement. These data may prove helpful for institutions seeking to improve student retention and recruitment. Their value in measuring quality of instruction and quality of the students themselves is doubtful. Clear linkages between what students learn and how well they enjoyed or engaged the institution during the course of learning remain elusive. We can establish that students did indeed engage the campus, that they do enjoy their experience, that they did find the environment supportive and creative, and so on. It is much more difficult to create a clear link between what students learn about chemistry and history, or example, and the experiential characteristics of college life. With the advent of distance education and other forms of educational delivery, these discussions of student experience become even more difficult to interpret across the wide range of institutional types we classify as research universities.

To some extent, from our perspective, the universe of possible data to use to explore research university performance falls into two large categories.

- At the top level, clear quantitative indicators of competitiveness help classify institutions by their competitive success against similar institutions.
- At a second level, data about student satisfaction, faculty satisfaction, and other elements of the processes of university life can help individual institutions identify the strategies and tactics that, when implemented, will improve the competitiveness reflected by the top-level measures.

This is the black box approach to institutional success. It imagines that the university is a black box whose inner workings are not visible from the outside but whose work delivers products to an open, highly competitive marketplace. By measuring indicators of the competitiveness of these products, we can infer whether the mostly invisible processes inside the black box functioned effectively. If they did not, then the institution could not be competitive. This perspective allows us to recognize that individual institutions may use different methods to arrive at similar, highly competitive results, and it allows us to focus on results rather than processes.

The value of this approach lies in, among other things, the ability to sidestep the academic fascination with process. Universities, like most highly structured bureaucracies, spend a great deal of time on the process for management rather than on the purpose or result of management. This universal tendency gains

even greater prominence because of the highly fragmented nature of the academic guilds and their handicraft production methods. Every management decision requires a process to capture the competing interests of the various guilds, and in university environments, a focus on results and external competitiveness can contain these process issues within some reasonable bounds.

The top-level indicators, chosen for this publication, fall into several groups—each speaking to a key element in research university competitiveness. The first group of measures speaks directly to research productivity: federal research expenditures and total research expenditures. For federal research expenditures, we report the total spent from federal research funds during the most recent fiscal year (usually the data lag a year and a half). The value of this indicator is that the federal government distributes most of its funds on a peer-reviewed, merit basis. While some significant projects arrive at university campuses from politically inspired earmarks, and other direct appropriations for research, most federal research investment comes through agencies such as the NSF, NIH, Department of Energy, and others that use peer-review panels to select projects for funding. Through this mechanism, the dollars expended serve as a reasonable indicator of a university's total competitiveness relative to other institutions seeking these federal funds.

Research expenditures is an aggregate measure. It measures whether each institution's total faculty effort produces a greater share of federally funded research than the faculty of another institution. This indicator is not a direct measure of research quality but rather an indirect measure. When we use this indicator, we assume that the total amount of federal dollars accurately reflects the competitiveness of the faculty. We do not assume, for example, that a grant of \$5 million reflects higher merit on the part of the faculty involved than a grant of \$1 million. We simply report that the most competitive research universities capture the largest amounts of federal funding.

This measure also reflects the composition of the research profile of the institution. An institution with a medical school, an engineering school, and a high-energy physics program may have very substantial amounts of annual federal research expenses that reflect the expensive nature of the projects in these fields. In contrast, another institution may pursue theoretical physics, have no medical school, support a strong education program, and attract an outstanding faculty in the humanities and social science and in the fine and performing arts. This institution likely will

have a lower annual federal research expenses even if it has the same number of faculty who have the same level of national quality because its research emphasis is in fields with smaller funding requirements. Do we conclude that the second institution has less quality than the first? No. We conclude that the second institution is less competitive in the pursuit of federally funded research than the first. The priorities of the federal government can also skew the measure. When NIH funding is greater and grows faster than the funding of other federal agencies (such as NSF, for example), universities with medical schools and strong life sciences research programs benefit. Understanding the meaning of these indicators helps institutions effectively use the comparative measures without inferring meaning that the indicators do not measure.

A second measure of research productivity appears in the indicator the NSF defines as total research. Total research funding includes not only the annual expenditures from federal sources but also those from state, corporate, and entitlement programs. These can include state and federal entitlement grants to public land grant colleges, corporate funding of research, and a wide range of other research support. As the tables demonstrate, all major research universities compete for this non-peer-reviewed funding in support of research. Some of this funding comes to an institution because of geographic location, political connections, commercial relationships with corporations, and similar relationships, rather than through direct competition based on quality. Nonetheless, the research activity reflected by these expenditures enhances the strength and competitiveness of the institutions, which all compete, if not always based on peer-reviewed merit, for these funds. Total research adds an important dimension to our understanding of research university competition.

The next group of indicators focuses on the distinction of the faculty. Although research volume is by far the clearest indicator of university research competitiveness, it fails to capture the quality of the individual faculty members. In our model, the individual faculty provide the drive and leadership to

*The top-level indicators, chosen for this publication, fall into several groups—each speaking to a key element in research university competitiveness.*



compete for research excellence. The dollar totals, while a critical indicator of faculty quality, lack the specificity of individual faculty recognition. *The Top American Research Universities* includes two measures of faculty distinction unrelated to dollars spent: National Academy Memberships and Faculty Awards.

An indicator of faculty competitiveness comes from election to prestigious national academies and the high-level national awards faculty win in competition with their colleagues. National Academy Memberships often reflect a lifetime of achievement; most national-level faculty awards reflect recent accomplishments. In addition, the process of selection for National Academies is substantially different from that used for faculty awards. Even more importantly here, these indicators provide a way to capture the competitiveness of faculty not in the sciences or other federally funded areas of research. Humanities and the fine arts, for example, appear reflected in the list of faculty awards included in these indicators.

A third group provides a perspective on undergraduate quality. In the data for 2000-2003, we report the SAT ranges for research universities as a rough indicator of the competitiveness in attracting high-quality students. This indicator serves primarily because the public pays so much public attention to this indicator rather than because it is a good measure of student quality. Other indicators predict college success better than the SAT, and of course standardized tests measure only one dimension of student abilities. Nonetheless, the intense public focus on this measure made it a useful indicator to test whether first-rank research universities also attract the most sought-after undergraduate students.

Another indicator concerns graduate students—specifically the production of doctorates. A major research university has as one of its purposes the management of many doctoral students and the production of completed doctorates. To capture this dimension of research university performance, we include the number of doctorates granted. As a further indication of advanced study, we include the number of postdoctoral appointments at each institution. Major research universities, as a function of their research programs, compete for the best graduate students to become doctoral candidates and compete for the best postdocs to support and expand their research programs and enhance their competitiveness.

The final group has two indicators that serve as imperfect indicators of disposable institutional wealth. This is a complicated and unsatisfactorily resolved issue. Universities have different financial resources

available to invest in their work. They invest in general operations and they invest in the enhancement of quality. The size of a university's budget is a poor indicator of the choices the university makes in supporting high-quality research competitiveness. If a university has a large undergraduate population, its budget also will be large but a significant percentage goes to pay the cost of delivering the undergraduate curriculum to all the students. Similarly, if an institution has a smaller budget but also a much smaller student population, then it may invest more in support of research competition than the larger university. Disposable income is the income not committed to the generic operation of the institution and its undergraduate program. Disposable income can enhance the institution's undergraduate competitiveness or subsidize its research competition. In most places, disposable income covers both these goals in varying combinations and patterns.

We made an effort to estimate the disposable resources of research universities in the 2002 edition of *The Top American Research Universities*, and we learned much about the finances and reported data on finances of these institutions. Unfortunately, no reliable data exist that would allow us to collect and report a clear indicator of institutional wealth. As an incomplete surrogate, we report the size of a university's endowment and the amount of its annual private gifts.

Endowment represents the accumulated savings of the permanent gifts to the university by its alumni and friends over the lifetime of the institution. These endowments range from about \$14 million to about \$19 billion in 2003 among universities with more than \$20 million in federal research expenditures. The income from these endowments represents a constant and steady source of income available for investment (limited by endowment restrictions, of course) in quality teaching and research. If in the past public universities might have been exempt from the need to raise private dollars, this has not been the case for a generation or more. Every major public research university has a substantial endowment and a large annual giving program, designed to provide the income to support quality competition for students and faculty. While private institutions rely mostly on alumni and friends, public institutions not only seek donations from those traditional sources but in some states enjoy the benefit of state matching programs that donate public funds to the endowment on a public to private matching basis of 1 to 1 or some lesser fraction (\$0.50 per \$1 private dollar, for example).

Where endowment reflects past support, annual giving, some of which ends up in endowment or capital expenditures and some appears as direct support for operations, serves as a current reflection of an institution's competitiveness in seeking private support for its mission. Every research university operates a major fundraising enterprise whose purpose is the acquisition of these funds to permit greater competitiveness for quality students and faculty, and increased national presence.

These nine measures, then, have served as our reference points for attempting to explore the competitiveness of America's top research universities: Federal and Total Research Expenditures, National Academy Memberships and National Faculty Awards, Undergraduate SAT Scores, Doctorates Awarded and Postdoctorates Supported, and Endowment and Annual Giving.

## Definitional Issues

Before turning to the classification system, we need to review the universe included within *The Top American Research Universities*. While the United States has about 2,400 accredited institutions of higher education that award a baccalaureate degree, only 182 of them qualify as top research universities under our definition for this report. The cutoff we chose at the beginning of this project, and have maintained for consistency, is \$20 million in annual federal research expenditures. This number identifies institutions with a significant commitment to the research competition. This universe of institutions controls approximately 94% of all federal expenditures for university research and includes the majority of the faculty guild members who define the criteria for faculty research quality. The competition takes place primarily between the faculty in these institutions, and the support that makes that competition possible comes primarily from the 182 institutions reported here, which had more than \$20 million in federal research expenditures in fiscal year 2002.

In general, the bottom boundary of \$20 million is a boundary of convenience, for it could be \$30 million or \$15 million without much impact on the results. The nature of the competition in which all research universities engage is determined primarily by those universities at the top of the distribution—those spending perhaps more than \$100 million from federal research each year. Those universities have the scale to invest in their faculty, invest in the recruitment of their students, invest in the physical plant

and other infrastructure needed to compete for research grants, and provide the institutional matching funds so many competitive projects require. . . . When institutions at lower level of performance send their faculty to compete for federal grants from the NIH or the NSF, they must also send them with institutional support equivalent to what one of the top tier of institutions can muster behind their faculty member's project. This drives the cost of the competition upward. The top institutions set the entry barrier for competition in any field. A top-performing institution can support faculty at competitive levels in a wide range of fields, disciplines, and programs. A university at a lower level of performance may be capable of supporting competitive faculty in only a few fields, disciplines, or programs. The behavior of the top 50 or so competitors drives marketplace competition among research universities.

If we have a decision rule for including institutions within the purview of this review of competitiveness, we also have to define what we mean by "institution." American universities, especially public universities, exist in a bewildering variety of institutional constructs, bureaucratic arrangements, public organizational structures, and the like. For those interested in this structure, we reviewed these organizational patterns in our 2002 report. . . . As mentioned in the introduction, for various political and managerial reasons, many multi-campus public universities prefer to present themselves to the public as if they were one university. We believe that while these formulations serve important political and organizational purposes, they do not help us understand research university competition and performance. The primary actors in driving research university performance are the faculty, and because the faculty are almost universally associated with a particular campus locality, and because the resources that support most faculty competitive success come through campus-based resources or decisions, we focus on campus-defined institutions. The unit of analysis, for example, is not the University of California, but the campuses of Berkeley, UCLA, UC San Diego, UC Davis, and so on. We compare the performance of Indiana-Bloomington and Massachusetts-Amherst; we compare Illinois-Urbana Champaign and Michigan-Ann Arbor. Some university systems resent this distinction, believing that this study should preserve their formulation of a multi-campus single university. We do not agree because we believe that the resource base and competitive drive that make research competition successful come from campus-based faculty.

In some cases, this produces complexities. For example, the University of Michigan has its medical enterprise and all research activity associated with it on its Ann Arbor campus, while the Massachusetts campuses of Amherst and Worcester operate independently and so appear separately in our report, even though both belong to the University of Massachusetts system. In most cases, these distinctions are relatively easy to make. Another variation occurs with Indiana University, whose Bloomington campus has a complete undergraduate and graduate program and whose Indianapolis campus operated jointly by Indiana and Purdue also has a complete undergraduate and graduate program as well as a medical school. In addition, each campus has its own independent law school. We report research separately for each campus even though both belong within the Indiana University administrative structure. The criteria we use to identify a campus are relatively simple. We look to see whether a campus reports its research data independently, operates with a relatively autonomous academic administrative structure, admits undergraduate students separately, has distinct academic programs of the same type, and like criteria. If many of these elements exist, we take the campus as the entity about which we report the data. While not all of our colleagues agree with our criteria for this study, the loss is minimal because we provide all the data we use in a format that permits every institution to aggregate the data to construct whatever analytical categories it believes most useful for its purposes. This report presents the data in a form most useful for our purposes.

As an illustration of the difficulty of using systems as the unit of analysis, the following tables show systems inserted in the federal research expenditures ranking as if they were single institutions. For this demonstration we combined those campuses of state systems that appear independently within *The Top American Research Universities* with more than \$20 million in federal research. A few systems have campuses with some federal research expenditures that do not reach this level of competitiveness, but we did not include those for the purposes of this demonstration.

Note that the research campuses of five public systems together perform federal research at levels that place them among the top 10 single-campus

institutions. Only the University of California system exceeds the research productivity of Johns Hopkins, and only the University of Texas system exceeds all other campuses. Other systems performing within the top 10 of individual campuses are the University of Illinois, ranked about seventh, and the Maryland and Colorado systems, ranked about ninth.

Three systems perform at levels that match the federal research expenditures of the second 10 campuses: SUNY, Penn State, and the University of Alabama systems.

The Utah State system appears at 22 and the Texas A&M system at 32 among individual campuses ranked from 21 to 40.

Ten other systems complete this distribution, with the University of Nevada system having the smallest aggregated federal research expenditures ranking at about 102 among these campuses.

The complete table showing all the measures (except the SAT, which cannot be combined from the campus data for system totals) along with national and control rankings for systems and individual institutions is in the Appendix.

An inspection of this table shows that the totals for systems reflect primarily the political and bureaucratic arrangements of public research campuses rather than any performance criteria. A different political organization of the University of California system—we might imagine a Northern University of California and a Southern University of California—would produce dramatically different rankings without representing any change in the underlying productivity of campuses. The number of campuses with more than \$20 million in federal research expenditures in any one system varies from a low of 2 in many states to a high of 9 for the University of California system. Note that many of these systems have many more campuses, but for this comparison we included only those with more than \$20 million in federal research expenditures. Similarly, had we done this table six or seven years ago, we would have had a State University System of Florida in the rankings. Today, each campus in that state operates as an independent university with its own board. Since the goal of our work is to focus on the quality and productivity of research universities, it is campus performance that matters most, not the political alignments of campuses—structures that change quickly.

Control	Institutions with More Than \$20 Million in Federal Research Expenditures and Public Multi-Campus Systems Ranked 1-20 out of 40 (Systems include only campuses at \$20 Million in Federal Research Expenditures)	2002 *** Federal Research x \$1000	Federal Research National Rank
	<b>University of California system</b>	1,706,603	
Private	Johns Hopkins University	1,022,510	1
	<b>University of Texas system</b>	752,586	
Public	University of Washington - Seattle	487,059	2
Public	University of Michigan - Ann Arbor	444,255	3
Private	Stanford University	426,620	4
Private	University of Pennsylvania	397,587	5
Public	University of California - Los Angeles	366,762	6
Public	University of California - San Diego	359,383	7
	<b>University of Illinois system</b>	357,506	
Private	Columbia University	356,749	8
Public	University of Wisconsin - Madison	345,003	9
	<b>University of Maryland system</b>	340,488	
	<b>University of Colorado system</b>	337,061	
Private	Harvard University	336,607	10
Private	Massachusetts Institute of Technology	330,409	11
Public	University of California - San Francisco	327,393	12
Public	University of Pittsburgh - Pittsburgh	306,913	13
Private	Washington University in St. Louis	303,441	14
	<b>State University of New York system</b>	302,956	
Public	University of Minnesota - Twin Cities	295,301	15
	<b>Pennsylvania State University system</b>	284,706	
	<b>University of Alabama system</b>	278,781	
Private	Yale University	274,304	16
Private	Cornell University	270,578	17
Private	University of Southern California	266,645	18
Private	Duke University	261,356	19
Private	Baylor College of Medicine	259,475	20

### The Center's Categories

Many of the critics of popular rankings focus not only on the defective methodology that characterizes these publications but also on the assumption that a rank ordering of universities displays meaningful differences between the institutions. Much attention, for example, gravitates toward small changes in ranking when No. 1 in last year's ranking is No. 2 in this year's. Even if the methodology that produces these rankings were reliable and sound, which it is not, differences between similar and closely ranked institutions are usually insignificant, and small changes on an annual basis rarely reflect underlying improvement or decline in relative institutional effectiveness. Universities are indeed different. They have different levels of performance, and their relative performance varies in comparison with the performance of their competitors. Universities' rank order

on various indicators does change from year to year, but these changes can reflect a decline in nearby institutions rather than an improvement in the campus with an improved rank. Significant changes in university performance tend to take time, and most institutions should respond not to annual changes in relative performance but rather to trends in relative performance.

This is an important consideration because focusing on short-term variations in suspect rankings leads trustees, parents, and others to imagine that university quality itself changes rapidly. This is false, primarily because the key element in institutional quality comes from the faculty and the faculty as a group changes relatively slowly. Faculty turnover is low, and most faculty have long spans of employment at their institution. While the media notice any rapid movement of superstars from one institution to another,

Control	Institutions with More Than \$20 Million in Federal Research Expenditures and Public Multi-Campus Systems Ranked 21-40 out of 40 (Systems include only campuses at \$20 Million in Federal Research Expenditures)	2002 *** Federal Research x \$1000	Federal Research National Rank
Public	Pennsylvania State University - University Park	256,235	21
Public	University of North Carolina - Chapel Hill	254,571	22
	<b>Utah State system</b>	222,018	
Public	University of Texas - Austin	219,158	23
Public	University of California - Berkeley	217,297	24
Public	University of Alabama - Birmingham	216,221	25
Public	University of Illinois - Urbana-Champaign	214,323	26
Public	University of Arizona	211,772	27
Private	California Institute of Technology	199,944	28
Private	University of Rochester	195,298	29
Public	University of Maryland - College Park	194,095	30
Public	University of Colorado - Boulder	190,661	31
Private	Emory University	186,083	32
	<b>Texas A&amp;M University system</b>	185,905	
Private	University of Chicago	183,830	33
Private	Case Western Reserve University	181,888	34
Public	University of Iowa	180,743	35
Private	Northwestern University	178,607	36
Public	Ohio State University - Columbus	177,883	37
Public	University of California - Davis	176,644	38
Private	Vanderbilt University	172,858	39
Private	Boston University	171,438	40

these changes affect a very small number of faculty. The impact of such defections and acquisitions on the fundamental competitive quality of the institution is likely small unless accompanied by a sustained reduction of investment in the areas they represent or a decline in the quality of the replacements hired.

Year-to-year changes also can be deceptive because of spot changes in the research funding marketplace, temporary bursts of enthusiasm for particular institutional products as a result of a major capital gift, a football or basketball championship, and other one-time events. These things can produce a spike in some indicator, producing what appears to be a change in the relative position of an institution in a ranking, but the actual sustained change in institutional quality may be quite small.

At the same time, annual reports of relative performance on various indicators serve a useful purpose for university people focused on improvement and competitiveness. Changes reflected in these indicators require careful examination by each institution to determine whether what they see reflects a temporary spike in relative performance or an indication of a trend to be reversed or enhanced. Single value rankings, that combine and weight many different

elements of university performance, obscure real performance elements and render the resulting ranked list relatively useless for understanding the relative strength of comparable institutions.

At *TheCenter*, considering these issues, we decided to present the best data possible on research universities and then group the institutions into categories defined by similar levels of competitiveness on the indicators for which we could get good data. While this does indeed rank the institutions, it does so in a way that forces the observer to recognize both the strength and weakness of the data as well as the validity of the groups as a device for categorizing institutional competitiveness.

The methodology is simple. We ranked the universities in our set of research institutions on the nine indicators. We then put institutions performing among the top 25 on all the indicators in the first group, the institutions performing among the top 25 on all but one of the indicators in the second group, and so on. This process follows from the observation that America's best research universities tend to perform at top levels on all dimensions. The most competitive institutions compete at the top levels in

federal research, total research, and student quality. They produce the most doctorates, they support the most postdocs, they raise the most money from their alumni and friends, and they run the largest annual private giving programs. They have the most faculty in the national academies, and their faculty win the most prestigious awards. We also do this grouping in two ways—first, taking all research universities, public or private, and grouping them according to their relative performance. and second, separating the universities by their control or governance (public or private) and then grouping the publics by their competitive success among public institutions and the privates by their competitive success among private institutions.

This method focuses attention on the competition that drives public and private research university success and challenges the observer to understand the marketplace within which they compete.

### Change Over Time

*TheCenter's* methodology allows a comparison of change over time in valid and reliable objective indicators of success. Unlike popular magazine rankings, which change each year much more quickly than universities actually change, *TheCenter's* rankings give a good measure of how likely change actually is for universities. Even *TheCenter's* data, however, are susceptible to misinterpretation because universities can change their reporting methods or reorganize their institutions in ways that produce changes in the data that may not reflect actual changes in performance. Careful review of major shifts in research performance by individual institutions can separate the real changes from artifacts of changes in reporting or organization.

*The Top American Research University* rankings are perhaps more useful for illustrating the competition that defines research success than for displaying the rank order itself. For example, our analysis of the federal research data demonstrated that the competition among institutions over time produces a few dramatic leaps forward and some steady change over time. This is significant because often trustees, alumni, and other observers imagine that a reasonable expectation is for a university to rise into the top 10 or some similar number in the space of a few years by simply doing things better or more effectively. If the institution is already No. 12 in its competitiveness, perhaps such an expectation is reasonable. If an institution is competing among other institutions that

rank in the 20s or 30s, a move into the top 10 in 10 years is probably beyond reach. This is because the distance in performance between the top institutions and the middle-to-bottom institutions in this marketplace is very large.

In the important federal research funding competition, which is the best indicator of competitive faculty quality, the median annual federal research expenditure of a top-10 research university is about \$382.2 million a year. The median for the 10 research universities ranked from 41 to 50 nationally on federal research expenditures is about \$155.3 million. A median institution in this group would need to double its annual federal research expenditures to reach the median of the top 10. If we look at only the top 25 institutions, the median of federal research expenditures in this elite group is \$317.2 million, with a high at Johns Hopkins of \$1,022.5 million and a low at the University of Alabama–Birmingham of \$216.2 million. UA–Birmingham would have to increase its federal research expenditures by a factor of about five to match Hopkins. To meet even the median of the group, it would need an increase of \$100 million per year. This is a formidable challenge for even a top-25 research university.

The second group of 25 institutions has a much lower median of \$176.6 million. For the 50<sup>th</sup>-ranked institution in federal research, the University of Utah with \$142.6 million, to reach the median of the institutions ranked in the second 25, it would need to increase its federal research expenditures by about \$24 million per year, or 17%.

These two examples illustrate an important characteristic of the university federal research marketplace. At the top, the difference between university performances tends to be much greater than at lower levels. As we go down the ranking on federal research, institutional performance clusters closer and closer, with small differences separating an institution from the ones above and below. The spread between the bottom of the top 25 and median of the top 25 is about \$100 million. The spread between the bottom of the second 25 and the median is about \$24 million; but the spread between the last institution in the over-\$20 million ranking (at \$20.0 million) and the

*Because universities change their reporting methods or reorganize their institution's changes in data may not reflect actual changes in performance.*

median of the last 25 institutions in the over-\$20 million group (at \$22.8 million) is only about \$2.8 million.

This pattern helps explain the small amount of significant change in ranking among the top institutions over the five years of *TheCenter's* publications and the larger amount of movement in rank among the institutions lower down in the research productivity ranking. For example, if we look at the top 10 institutions in our first publication in 2000 that used federal research data from 1998, only one (MIT) fell out of the top 10 by 2002 to be replaced by Columbia, a university not in the top 10 in 1998. A similar amount of modest change occurs among the top 25. Within this group in 1998, only two institutions fell out of this category in the 2002 data (University of Illinois-Urbana-Champaign and Caltech), replaced by two institutions not in the top 25 in 1998 (Penn State and Baylor College of Medicine). These examples demonstrate that the large amounts of federal research required to participate in the top categories of university competition create a barrier for new entrants because the characteristics of success are self-perpetuating. Very successful institutions have the characteristics that continue to make them major competitors in this marketplace year after year.

If we look nearer the middle of the distribution of universities by their federal research expenditures and chart the changes over the five years of our reports, we see considerably more change in the rankings, as we would expect. For example, among universities ranked nationally from 101 to 125 on federal research expenditures, nine institutions included in this group in 1998 disappeared from this section of the rankings by 2002 and another nine institutions took their place. However, the movement into and out of this group is quite varied.

Five institutions moved from a lower ranking in 1998 into the 121-125 group in 2002:

Institution	Fed Research Ranking 1998	Fed Research Ranking 2002	Change in Fed Research Rank
Kansas State	130	121	+9
Auburn	128	122	+6
West Virginia	134	113	+11
University of New Hampshire-Durham	133	112	+21
University of Connecticut-Storrs	143	110	+33

Four institutions lost ground and moved from a higher ranking in 1998 into the 121-125 group in 2002:

Institution	Fed Research Ranking 1998	Fed Research Ranking 2002	Change in Fed Research Rank
University of Massachusetts-Amherst	100	106	-6
Washington State University-Pullman	96	105	-9
George Washington University	94	103	-9
Tulane University	86	101	-15

Another four institutions declined in rank from their 1998 location in this group to fall below 125 in the 2002 ranking:

Institution	Fed Research Ranking 1998	Fed Research Ranking 2002	Change in Fed Research Rank
Rice University	110	128	-18
UC Santa Cruz	119	139	-20
Syracuse University	120	140	-20
Brandeis University	125	152	-27

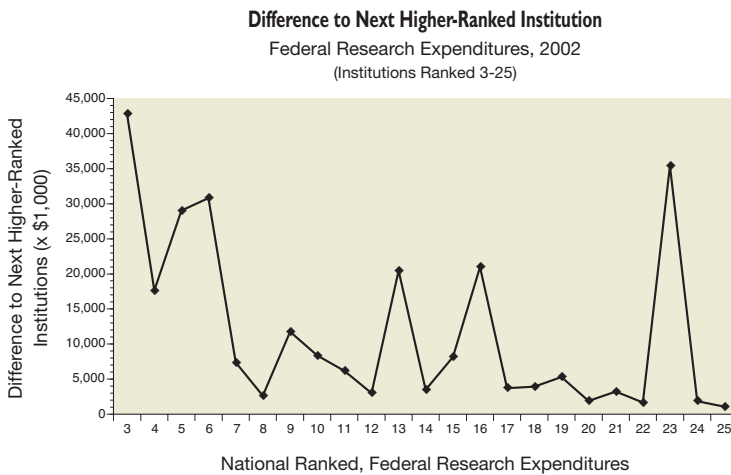
Finally, five institutions moved out of the 121-125 category in 1998 into a higher ranking for 2002:

Institution	Fed Research Ranking 1998	Fed Research Ranking 2002	Change in Fed Research Rank
University of Tennessee – Knoxville	104	74	+30
Mississippi State University	102	89	+13
University of South Florida	109	77	+32
Medical University of South Carolina	107	91	+16
University of Alaska – Fairbanks	115	99	+16

These examples reflect the greater mobility at the lower ranks, where the difference between one university and another can be quite small and a few successful grants can jump an institution many ranks while a few lost projects can drop an institution out of its category.

Rankings, however, have another difficulty. The distance between any two contiguous institutions in any one year can vary dramatically, so changes that reflect one or two ranks may represent either a significant change in performance or a relatively minor change in performance. For example, if we take the top 25 and calculate the distance that separates each institution from the one above it, the median separation is \$6.8 million. However, leaving aside the difference between No. 2 and Johns Hopkins (which is \$535.5 million), the maximum distance is \$42.8 million and the minimum distance is \$1.1 million. Even in this rarefied atmosphere at the top of the ranking charts, the range is dramatic and very

unevenly distributed. The following graph illustrates the difference between each institution and the one above it for the institutions ranked between 3 and 25 on federal research in 2002.



All of this explains why *TheCenter* groups institutions rather than focuses on each institution's precise rank order. Even this method has its difficulties because the differences between institutions on each side of a group boundary may not be particularly large. Nonetheless, a method that groups universities and considers their performance roughly comparable is better than simple ranking that can imply an evenly spaced hierarchy of performance.

When we review these data in search of an understanding of the competitive marketplace of research universities, we pay special attention to other characteristics of the data. Some universities have research-intensive medical schools; some institutions operate as stand-alone medical centers, and some research-intensive universities have no medical school. Over the last five years at least, the federally funded research opportunities available in the biological and medically related fields have grown much faster than have those in the physical sciences. Some of the significant changes observed in the last five years reflect the competitive advantage of institutions with research-intensive medical schools. However, not all medical schools have a major research mission, but when they do, and when the medical research faculty are of high quality and research oriented, the biological sciences emphasis likely provides a significant advantage in the competition as seen in our 2001 report.

For example, among the top 25 institutions in federal research expenditures, all but two have medical schools included in their totals. However, having a medical school is no guarantee, even in this top category, of meeting the competition successfully. As

the table on the following page indicates, 11 of these top 25 fell by at least one rank over the five years included here.

Illustrating the remarkable competitiveness of this marketplace, note that even institutions that grew by more than 30%, or an average of more than 6% a year, lost rank. In research university competition, growth alone is not a sufficient indicator of comparative success. Universities must increase their research productivity by more than those universities around them increase or lose position within the rankings. Similar results appear farther down the ranking, as the table on page 25 illustrates, for universities ranked between 75 and 100 on federal research in 2002.

Note that, as mentioned above, the amount of positive change in federal research required to produce an improvement in rank is considerably less than in the top 25. The percentage improvement to produce a change in rank is also larger in most cases. Almost all universities in the top 100 of federal research expenditure show an improvement with the exception of North Carolina State, which reported fewer federal research expenditures in 2002 than in 1998. Growth alone does not keep a university even with the competition and, as is clear in these data, the competition is intense and demanding.

Similar exercises using the data published on *TheCenter's* Web site can serve to highlight the competitive marketplace for any subset of institutions included within *The Top American Research Universities*. While we have emphasized the federal research expenditures in these illustrations, similar analysis will demonstrate the competitiveness in the area of total research expenditures, faculty awards, and the other indicators collected and published by *TheCenter*.

Another perspective on the complexity of identifying and measuring universities' national competitive performance appears when we examine the change in the number of national awards won by faculty. The list of these awards is available in the [Source Notes](#) section of this report, and we have collected this information systematically over the five years. However, faculty awards reflect a somewhat less orderly universe than we see in research expenditure data. The number of faculty with awards varies over time as universities hire new faculty, others retire or leave, the award programs have more or less funding for awards, and the award committees look for different qualities



Change in Federal Research Expenditures 1998-2002, Top 25 in 2002					
Institution	Rank Change	\$ Change x 1,000	% Change	Rank	Medical School *
Baylor College of Medicine	20	148,865	134.6	20	*
University of Pittsburgh — Pittsburgh	10	138,402	82.1	13	*
Pennsylvania State University — University Park	5	92,314	56.3	21	
University of California — Los Angeles	4	132,757	56.7	6	*
Columbia University	3	127,026	55.3	8	*
University of Pennsylvania	3	149,673	60.4	5	*
Washington University in St. Louis	3	116,268	62.1	14	*
University of Texas — Austin	2	54,076	32.8	23	
University of Michigan — Ann Arbor	1	132,805	42.6	3	*
University of Washington — Seattle	1	144,768	42.3	2	*
Duke University	0	88,824	51.5	19	*
Johns Hopkins University	0	269,527	35.8	1	*
University of California — San Francisco	0	107,763	49.1	12	*
University of Wisconsin — Madison	0	104,490	43.4	9	*
University of Alabama — Birmingham	-1	49,391	29.6	25	*
University of California — San Diego	-1	96,280	36.6	7	*
University of Minnesota — Twin Cities	-1	90,560	44.2	15	*
University of North Carolina — Chapel Hill	-1	83,066	48.4	22	*
Cornell University	-2	66,391	32.5	17	
Stanford University	-2	84,194	24.6	4	*
University of Southern California	-2	76,098	39.9	18	*
Harvard University	-3	84,731	33.6	10	*
Yale University	-3	69,258	33.8	16	*
University of California — Berkeley	-4	45,550	26.5	24	*
Massachusetts Institute of Technology	-6	19,668	6.3	11	

at different times. Moreover, the number of awards we capture also varies by year: in 1999 we identified 2,161 faculty with awards that met our criteria, and in 2003 this number had declined to 1,877. This is a small number of awards for the 182 institutions included in our group. The first 50 institutions in the list, in both 1999 and 2003, capture more than 66% of these awards. In addition, ranking data are even less useful here than in other contexts because many universities have the same number of faculty members with awards and therefore have the same rank number. A change in one faculty member with an award can move an institution some distance on the rank scale, as the chart on page 26 demonstrates for the first 10 in our list. The range of faculty awards in 2003 for all universities in our more than \$20 million list ranges from zero at the bottom of the list to Harvard's 54 faculty awards. Even so, among the top 10, seven have fewer awards and only three have more awards in 2003. Another way of looking at these data

is to see what percentage of the total awards identified corresponds to groups of institutions or individual institutions. In this case, while the top 50 capture more than 66% of the awards, the 110 institutions with 10 or fewer awards (they are 61% of all universities in the list) have only 5.9% of the awards. Indeed, 38% of the awards belong to the top 20 institutions.

Even among the top 20, we can see considerable change. Four institutions in 2003 replaced five institutions in the top 20 in 1999 (the ties in award numbers account for the difference between five and four).

This view of university performance data over time highlights one of the fundamental purposes of *The Top American Research Universities* project. By providing a standard, stable, and verifiable set of indicators over time, universities interested in their performance within the competitive marketplace of research institutions can track how well they are doing

### Change in Federal Research Expenditures 1998-2002, Rank 75-100 in 2002

Institution	National Rank Change	\$ Change x1,000	% Change	National Rank in 2002
University of South Florida	32	48,178	134.1	77
Dartmouth College	20	42,202	93.7	75
Medical University of South Carolina	16	39,330	107.8	91
University of Alaska – Fairbanks	16	34,664	110.0	99
Mississippi State University	13	35,517	84.6	89
University of Texas Health Science Center – San Antonio	9	31,807	61.2	78
Medical College of Wisconsin	9	32,410	73.9	90
Thomas Jefferson University	5	27,489	53.1	83
University of Texas Medical Branch – Galveston	5	29,512	60.7	86
University of Missouri – Columbia	5	32,294	71.1	88
Utah State University	1	24,490	44.6	82
Brown University	0	23,803	53.6	97
Rockefeller University	0	23,714	54.1	98
Indiana University–Purdue University – Indianapolis	-1	22,151	38.5	81
University of Georgia	-3	23,374	42.7	87
Iowa State University	-5	20,223	39.5	94
Florida State University	-5	20,005	39.7	95
Rutgers NJ – New Brunswick	-6	19,024	30.6	80
Virginia Commonwealth University	-8	16,861	35.0	100
Woods Hole Oceanographic Institution	-12	13,693	21.1	84
New Mexico State University – Las Cruces	-14	13,727	24.3	96
University of California – Santa Barbara	-15	9,690	14.1	85
Tufts University	-18	12,069	19.7	93
Georgetown University	-21	2,286	2.7	76
Virginia Polytechnic Institute and State University	-22	242	0.3	79
North Carolina State University	-29	(4,329)	-5.4	92

relative to their counterparts and relative to the marketplace. They can see where their institution has been and where its recent performance places it. The data do not identify the internal activities, incentives, organizational changes, and revenue opportunities that explain the changes observed, but the data force institutions to confront their relative achievements among their counterparts whose faculty compete in the same markets.

Different institutions at different points in their development or with different strategies for competitive success will use these data in different ways. They will design strategies for improvement or choose to focus on activities unrelated to research as their mission and trustees dictate. In making these decisions, *TheCenter's* data provide them with a reliable and comparative framework to understand the competition they face in the research university marketplace.

### Faculty Numbers

Even though the most important element in research university success comes from the faculty, the data on individual faculty performance prove extremely difficult to acquire. Ideally, we could count a university's total number of research faculty. Then we could calculate an index of faculty research productivity. Such a procedure would allow us to compare the competitiveness of the faculty of each institution rather than the aggregate competitiveness of the institution. In such an analysis, we might find that the individual research faculty at a small institution are more effective and competitive per person than the research faculty at a large institution, even if the aggregate competitiveness of the large institution exceeds that of the smaller university. Various researchers have attempted this form of analysis, but the results have been less useful than anticipated.

The reason for the difficulty is simple. We do not have an accurate, standard method for counting the number of research faculty at universities. The

<b>Institutions In and Out of Top 20 in Faculty Awards, 1999-2003</b>			
<b>Top 20 in 2003 but not in 1999</b>			
Institution	1999 Awards	2003 Awards	Change in Number of Awards
Cornell	27	32	+5
Northwestern	25	30	+5
Penn State	23	29	+6
Princeton	26	27	+1
<b>Top 20 in 1999 but not in 2003</b>			
Institution	1999 Awards	2003 Awards	Change in Number of Awards
MIT	42	23	-19
University of Pennsylvania	50	23	-27
University of Colorado–Boulder	28	19	-9
University of Minnesota	28	14	-14
University of Texas–SW Medical Center	28	13	-15

American research university's business model requires that most individual faculty both teach and perform competitive research within the frame of their full-time employment. The institutions rely on the revenue from teaching in many cases to support the costs of faculty research time not covered by grants and contracts. We do not have reliable definitions for collecting data that would permit us to know how many research equivalent faculty a university might have.

Faculty assignments and similar information surely exist, but they rarely provide either a standard or even a reasonable basis for determining the research commitment of faculty against which to measure their productivity on research. Most faculty assignments respond to local political, union, civil service, or other negotiated definitions of workload, and universities often apply these effort assignments without clear linkage to the actual work of the faculty. Even the term "faculty" has multiple and variable definitions by institution in response to local political, traditional, union, or civil service negotiated agreements. Librarians are faculty, agricultural extensions have faculty, and medical school clinicians are faculty. Moreover, many universities have research faculty who are full-time research employees with non-tenure-track appointments.

Universities publish numbers that reflect their internal definition of faculty or full-time equivalent faculty, but these numbers, while accurate on their own terms, have little comparative value. Take the case of teaching faculty. A university will report a full-time faculty number, say 2,000, and then will report the number of undergraduates, say 20,000. It will

then report a faculty/student ratio of 1 to 10. This number is statistically accurate but meaningless. Unless we know that all 2,000 faculty teach full time (and not spend part time on teaching and part time on research), we cannot infer anything about the experience a student will have from this ratio. If the faculty members spend half of their time on research, then the full-time teaching equivalent faculty number is actually 1,000, giving us a ratio of one faculty member for every 20 students. If, in addition, 500 of these faculty actually work only on graduate education or medical education or agricultural extension, then we have only 500 full-time teaching equivalent faculty, which gives us a ratio of one full-time teaching faculty member for every 40 undergraduate students. Since we have no data on the composition or real work commitment or assignments of the total faculty number, the value of reported faculty-student ratios becomes publicity related rather than substantive. Nonetheless, many popular rankings use these invalid student-teacher ratios as critical elements in their ranking systems.

For the research university, we cannot separate out the full-time research equivalent faculty any easier than we can identify the full-time teaching faculty. We do know, however, that in large research universities the total amount of teaching required of all the faculty is likely significantly larger than at small research universities, although the teaching course load of individual faculty at a larger university might be lower than those of the faculty at a smaller institution. As a result, comparisons of faculty productivity in research between institutions with significantly different teaching, student, and mission profiles will produce mostly spurious results.

The following table, taken from one of Denise Gater's publications from *TheCenter* on this topic, illustrates this difficulty. Note that the definitions of faculty used here reflect three common methods of counting faculty. The first, labeled Salaries, comes from the federal government's IPEDS Salaries survey that includes a definition of full-time instructional faculty. Even though this definition applies to all reporting institutions, individual institutions frequently report this number using different methods for counting the faculty included. The second definition of faculty, IPEDS Fall Staff, is a count used by many universities to report the number of faculty on staff at the beginning of each academic year. However, the methods used to define "Staff" vary by institution. To help with this, institutions also report a number related to "Tenure or Tenure Track Faculty," in the Fall Staff survey which is the third method used here. Even with this definition, there are a variety of differences in how universities report. The table includes a sample of institutions that report all three faculty counts with each institution's federal research expenditures as reported for 1998 (identified as Federal R&D Expenditures in the table). If we divide each of the institutions' federal research number by the number of faculty reported under each definition, and then rank the per-faculty productivity, we get the widely varying rank order seen in the table.

As the table shows, depending on the definition used, the relative productivity per faculty varies dramatically, and any rankings derived from such calculations become completely dependent not on faculty productivity itself but on the definitions used in counting the number of faculty, and even the ranks based on the same definition of faculty have little validity because universities apply the standard definition in quite varying ways.

At the campus level, however, it is possible and often very helpful to focus on individual colleges and even departments or programs and compare individual faculty productivity. An engineering college could compare the research grant expenditures of its faculty to the research productivity of engineering faculty at other major institutions. Chemistry faculty can compare their publication counts or citations, historians can compare the book and scholarly article productivity, and similar, discipline-specific comparisons can help institutions drive improvement. These measurements do not aggregate to an institutional total, but they do provide campuses with a method for driving productivity increases. In addition, universities can compare the teaching productivity of their faculty across different institutions, but within

the same discipline. Political science departments can compare the average teaching productivity of their faculty with the productivity of political science faculty at other first-rank institutions.

These comparisons help establish standards for performance and aid in achieving increased productivity but, again, they do not aggregate into university standards very well because the appropriate teaching load in chemistry with its laboratory requirements is significantly different from the teaching load in history. Moreover, institutional comparisons at this level of detail often fail because the composition of institutional research and teaching work varies markedly. Campuses with many professional programs may teach many more upper- than lower-division courses, campuses with significant transfer populations will teach more upper-division courses, and campuses with small undergraduate populations compared to their graduate populations will teach more graduate courses. These differences affect all comparisons at the institutional level that attempt to identify efficiency or optimal productivity. Instead, for benchmarks of performance, institutions need to make their comparisons at the discipline level.

Institutions often conduct peer-group comparisons to benchmark their performance against appropriate comparator institutions, but usually the participants in these studies do so only on the condition that the data remain confidential and that reports using the data either rely on aggregate measures or report individual institutions anonymously. *TheCenter's* exploration of comparisons involving engineering and medicine will appear in further reports as the work concludes.

### Impact of *TheCenter* Report

Estimating the impact of a project such as this one is challenging. Nonetheless, some indicators provide a glimpse into the utility of these data. The report appears in a variety of formats to reach the widest possible audience. Some find the printed version most accessible; others visit the Web site to use the data or download the report itself. Other Web sites refer to *TheCenter's* data, and the staff participates in the national conversation about measurement, accountability, and performance reflecting work sponsored by or inspired by *TheCenter's* activities.

For example, over the first four years, we mailed a little more than 3,000 copies of the report per year, usually with around 2,000 in the first mailing to

## Effect on Ranking, Using Different Faculty Counts to Calculate Federal R&D per Faculty

Selected Private Research Institutions (n = 25)

Institution	1998 Fed R&D Expenditures (\$ thousands)	Rank Using Salaries	Rank Using Fall Staff Total	Rank Using Fall Staff Ten/Ten Track
California Institute of Technology	177,748	1	1	1
Yeshiva University	80,000	3	2	2
Rockefeller University	43,845	11	4	3
Massachusetts Institute of Technology	310,741	4	3	4
Harvard University	251,876	10	6	5
Stanford University	342,426	2	5	6
Carnegie Mellon University	95,046	13	8	7
University of Pennsylvania	247,914	8	11	8
Case Western Reserve University	132,274	9	9	9
Columbia University	229,723	22	12	10
Tufts University	61,167	20	7	11
Northwestern University	127,911	17	15	12
Yale University	205,046	6	14	13
Boston University	104,428	23	24	14
Duke University	172,532	5	20	15
University of Chicago	125,982	18	19	16
Princeton University	69,005	21	9	17
Cornell University, All Campuses	204,187	16	13	18
University of Rochester	130,773	7	17	19
Vanderbilt University	106,325	14	21	20
Emory University	118,045	12	23	21
Georgetown University	84,801	15	18	22
University of Miami	101,492	19	22	23
Brown University	44,412	24	15	24
New York University	101,426	25	25	25

universities included in the report and a range of others who have expressed an interest in being included in the first mailing. The second thousand mailed responds to requests from institutions and individuals. Sometimes these are for single copies and on occasion for multiple copies for use in retreats and seminars.

Another major engagement for the report takes place through the Internet, and *TheCenter's* Web site has a significant hit rate for such a specialized resource. The first year, the site averaged 835 unique hits per week, with 3,700 per month for the August-November period. About 89% of these hits came from the United States. In 2001, the Web presence increased with an average of 6,900 unique hits per month in the same four-month time period as the 2000 report. This increase also included an increase in foreign visitors, with Web visitors logged from more than 107 countries. This pattern continued in 2002, with a first four-month average reaching 8,000 unique hits. The unique hit rate at this level appears to have stabilized for the 2003 report. *TheCenter* staff also responds to hundreds of inquiries via e-mail each year.

International interest in the report has surprised us, as we anticipated that these data would be of most interest to the American research university community. Nonetheless *TheCenter* received inquiries and requests from Venezuela, Canada, the United Kingdom, Spain, Sri-Lanka, Kenya, Japan, Sweden, India, and China. The following is a selection of visitors to *TheCenter*:

- September 2000, Rie Mori, National Institute of Academic Degrees, Japan
- July 2001, Peter Purdue, Naval Postgraduate School
- August 2002, Toyota Technical Center, USA
- October 2002, Representatives from Japan's New Energy & Industrial Technology Development Organization (NEDO); the University Administration Services Department (Kawaijuku Educational Institution); and the Mitsubishi Research Institute
- March 2003, Dr. Hong Shen, Professor of Higher & Comparative Education, Vice Dean, School of Education, Huazhong University of Science & Technology, Wuhan, Hubei 430074, P.R.China.

*TheCenter's Top American Research Universities* report prompted comment and review in many publications. *The Scout Report* included a reference, which undoubtedly increased the Web-based traffic, and *The Chronicle of Higher Education* cited *TheCenter's* work in an article on research institution aspirations. Newspaper stories (Arizona, New York, Indiana, Nebraska, Florida), including *The New York Times*, featured in-depth discussion of the report and its methodology. *TheCenter* and its work appear in ScienceWise.com, The University of Illinois College Rankings Web site, and the Association of Institutional Research resource directory, as well as in the higher education sections of most Internet search engines such as Google and Excite. As another example of the international interest in this topic, the International Ranking of World Universities, available online, includes *The Top American Research Universities* in its list of sources, even though this ranking system takes a somewhat different approach to the task. The following table samples some of the many institutions and organizations that use or cite *The Top American Research Universities* report and data. A search through Google turns up many more than these, of course.

**Association of American Universities:** "About Research Universities" website. [<http://www.aau.com/resuniv/research.cfm>]

**Boston College:** Research Guide: Educational Rankings. [<http://www.bc.edu/libraries/research/guides/s-edurank/>]

**Case Western Reserve University:** Ranks among the top 20 private research universities nationally, according to TheCenter at the University of Florida. TheCenter ranks universities on nine indicators, including research support, significant awards to faculty, endowment assets, annual private contributions, doctorates awarded, and average SAT scores. Case ranks among the top 25 private universities on eight of the nine indicators. Among all research universities, public and private, Case ranks among the top 50 in seven of the nine categories. (*The Top American Research Universities*, August 2003). [<http://www.case.edu/president/cir/cirrankings.htm#other>]

**Distance Learning, About:** America's Best Colleges and Universities – Rankings. Top American Research Universities. Rankings of public and private research universities based on Measuring University Performance. From TheCenter at the University of Florida. [[http://distancelearn.about.com/cs/rankings/a/univ\\_rankings\\_2.htm](http://distancelearn.about.com/cs/rankings/a/univ_rankings_2.htm)]

**Feller, Irwin,** "Virtuous and Vicious Cycles in the Contributions of Public Research Universities to State Economic Development Objectives," *Economic Development Quarterly*, Vol. 18, No. 2, 138-150 (2004) (Cited in) [<http://edq.sagepub.com/cgi/content/refs/18/2/138>]

**Globaldaigaku.com:** Study Abroad. The Top American Research Universities 2002 (TheCenter Rankings). *TheCenter* includes only those institutions that had at least \$20 million in federal research expenditures in fiscal year 2000, and determines their rank on nine different measures. [<http://www.globaldaigaku.com/global/en/studyabroad/rank/list.html>]

**Midwestern Higher Education Compact:** Midwest Ranks Prominently in Rating of America's Top Research Universities. [[http://www.mhec.org/pdfs/mw\\_top\\_univs.pdf](http://www.mhec.org/pdfs/mw_top_univs.pdf)]

**Scout Report, The: The Top American Research Universities 2001** [Excel, .pdf]. An updated version of The Top American Research Universities has been released from Florida-based research organization, The Center, which creates this report annually. (The first edition of The Top American Research Universities was included in the July 28, 2000 *Scout Report*.) [<http://scout.wisc.edu/Reports/ScoutReport/2001/scout-010907-geninterest.html>]

**Shanghai Jiao Tong University:** Institute of Higher Education, Academic Rankings of World Universities. [<http://ed.sjtu.edu.cn/rank/2004/Resources.htm>]

**Southeastern Universities Research Association, Inc.:** SURA Membership Statistics. February 2001, Compiled by the (SURA). Top American Research Universities. Source: TheCenter at the University of Florida. *The Top American Research Universities*, July 2000. [[http://www.sura.org/welcome/membership\\_statistics\\_2001.pdf](http://www.sura.org/welcome/membership_statistics_2001.pdf)]

**Templeton Research Lectures,** The Metanexus Institute: The Metanexus Institute administers the Templeton Research Lectures on behalf of the John Templeton Foundation. U.S. list of top research universities is taken from the Lombardi Program on Measuring University Performances, *The Top American Research Universities*, 2002. [<http://www.metanexus.net/lectures/about/index.html>]

**Texas A&M University:** Florida Report Names Texas A&M One of Top Research Universities. 10/7/02. [<http://www.tamu.edu/univrel/aggiedaily/news/stories/02/100702-5.html>]

**University of Arkansas:** 2010 Commission: Making the Case. The Impact of the University of Arkansas on the Future of the State of Arkansas, Benchmarking. "... it is instructive to compare more specifically the University of Arkansas and Arkansas to the peer institutions and states in three categories: university research productivity, faculty quality, doctoral degree production, and student quality; state population educational levels and economic development linked to research universities; and state and tuition support for public research universities. The first objective can be achieved by using data from a recent report, *The Top American Research Universities*, published by *TheCenter*, a unit of the University of Florida. TheCenter's ranking of top research universities is based on an analysis of objective indicators in nine areas: [<http://pigtrail.uark.edu/depts/chancellor/2010commission/benchmarking.html>]

**University of California—Irvine:** UC Irvine's Rankings in The Top American Research Universities Reports. [<http://www.evc.uci.edu/planning/lombardi-0104.pdf>]

**University of California—Santa Barbara:** UCSB Libraries, Educational Rankings [<http://www.library.ucsb.edu/subjects/education/eddirectories.html>]

**University of Cincinnati:** Research Funding Hits Record High. UC Hits Top 20 in the Nation, Date: Oct. 23, 2001. The University of Cincinnati earned significant increases in total external funding during the 2001 fiscal year, including more than \$100 million in support for the East Campus. The report follows UC's ranking among the Top 20 public research universities by the Lombardi Program on Measuring University Performance. The program, based at the University of Florida, issued its annual report, *The Top American Research Universities*, in July 2001. [<http://www.uc.edu/news/fund2001.htm>]

**University of Illinois—Urbana-Champaign:** Library. Top American Research Universities. Methodology: This site offers an explanation of its rankings on a page titled Methodology. This report identifies the top public and private research universities in the United States based upon nine quality

measures. Universities are clustered and ranked according to total and federal research funding, endowment assets, annual giving, National Academy membership, prestigious faculty awards, doctorates awarded, postdoctoral appointees, and SAT scores of entering freshmen. Also available are lists of the top 200 public and private universities on each quality measure. The site includes other reports and resources on measuring university performance. The report and Web-based data are updated annually in mid-summer. [http://www.library.uiuc.edu/edx/rankgrad.htm]

**University of Iowa:** Report lists UI among top American research universities (University of Iowa). [http://www.uiowa.edu/~ournews/2002/november/1104research-ranking.html]

**University of Minnesota:** Aug. 23, 2001 (University of Minnesota) New Ranking Puts 'U' Among Nation's Elite Public Research Universities [http://www.giving.umn.edu/news/research82301.html]

**University of Nebraska—Lincoln:** UNL Science News. NL Earns Spot in 'Top American Research Universities' Ranking, Aug. 30, 2000 [http://www.unl.edu/pr/science/083000ascifi.html]

**University of North Carolina—Chapel Hill:** A recent report about the top American research universities cited UNC-Chapel Hill as one of only five public universities ranked in the top 25 on all nine criteria the authors used to evaluate the quality of research institutions. The other four universities were the University of California-Berkeley, the University of California-Los Angeles, the University of Michigan-Ann Arbor, and the University of Wisconsin-Madison. Updated 09/2004 [http://research.unc.edu/resfacts/accomplishments.php]

**University of Notre Dame:** Report on Top American Research Universities for 2003 is Released, posted 12/04/03. The 2003 Lombardi report on The Top American Research Universities is now available. It provides data and analysis on the performance of more than 600 research universities in America. Among the nine criteria used in the report are: Total Research, Federal Research, National Academy Members, and Faculty Awards. [http://www.nd.edu/~research/Dec03.html]

**University of South Florida:** USF is classified as Doctoral/Research Extensive by the Carnegie Foundation for the Advancement of Teaching, and is ranked among the top 100 public research universities in the annual report "The Top American Research Universities." [http://www.internationaleducationmedia.com/unitedstates/florida/University\_of\_southern\_florida.htm]

**University of Toronto:** Governing Council, A Green Paper for Public Discussion Describing the Characteristics of the Best (Public) Research Universities. Citation: E.g., in the United States: . . . ., the rankings of John V. Lombardi, Diane D. Craig, Elizabeth D. Capaldi, Denise S. Gater, Sarah L. Medonça, *The Top American Research Universities* (Miami: *The Center*, the University of Florida), 2001. [http://www.utoronto.ca/plan2003/greenB.htm]

**Utah State University:** Utah State University, Research Ranking *TheCenter's Report: The Top American Research Universities*. *TheCenter* is a reputable non-profit research enterprise in the U.S., which focuses on the competitive national context for major research universities. [http://www.tmc.com.sg/tmcaeusu/]

**Virginia Research and Technology Advisory Commission:** *Elements for Successful Research in Colleges and Universities*. This summary of descriptive and analytic information is based on the findings of: (1) recent national scholarship on "top American research universities;" [Citation is to *TheCenter*]. [http://www.cit.org/vrtac/vrtacDocs/schev-researchelements-05-21-03.pdf]

This visibility led to requests for *TheCenter's* staff to address a wide range of audiences including university groups in Louisiana, South Carolina, Pennsylvania, and Massachusetts as well as invited presentations at international meetings in China and Venezuela. *TheCenter's* staff also provided invited presentations to the National Education Writers Association, the Council for Advancement and Support of Education, a Collegis, Inc., conference, the National Council of University Research Administrators, the Association for Institutional Research, the Association of American Universities Data Exchange (AAUDE), and another presentation at a Southern Association of College and University Business Officers meeting.

Although we have received many comments reflecting the complexity and differing perspectives on comparative university performance, a particularly interesting study will appear in a special issue of the *Annals of Operations Research on DEA* (Data Envelopment Analysis) on "Validating DEA as a Ranking Tool: An Application of DEA to Assess Performance in Higher Education" (M.-L. Bougnol and J.H. Dulá). This study applies DEA techniques to *The Top American Research Universities* to test the reliability of *TheCenter's* ranking system and indicates that at least in using this technique, the results appear reliable.

## Future Challenges

Although this report concludes the first five-year cycle of *The Top American Research Universities*, the co-editors, the staff, and our various institutional sponsors believe that the work of *TheCenter* has proved useful enough to continue. With the advice of our Advisory Board, whose constant support and critiques have helped guide this project over the past years, we will find appropriate ways to continue the work begun here.

## Notes

### *TheCenter* Staff and Advisory Board

Throughout the life of *TheCenter*, the following individuals have served on the staff in various capacities, including the authors of this report: John V. Lombardi, Elizabeth D. Capaldi, Kristy R. Reeves, and Denise S. Gater. Diane D. Craig, Sarah L. Mendonça, and Dominic Rivers appear as authors in some or all of the previous four reports. In addition, *TheCenter* has enjoyed the expert and effective staff

assistance of Lynne N. Collis throughout its existence, the technical help of Will J. Collante for Web and data support, and the many contributions of Victor M. Yellen through the University of Florida Office of Institutional Research. As mentioned in the text, financial support for *TheCenter's* work comes from a gift from Mr. Lewis M. Schott, the University of Florida, the University of Massachusetts, and the State University of New York.

The current Advisory Board to *TheCenter* has been actively engaged with this project and its publications for the five years of its existence. Their extensive expertise, their lively discussions at our meetings, and their clear critiques and contributions to our work have made this project possible. They are: Arthur M. Cohen (Professor Emeritus, Division of Higher Education, Graduate School of Education and Information Studies, University of California, Los Angeles), Larry Goldstein (President, Campus Strategies, Fellow, SCT Consultant, NACUBO), Gerardo M. Gonzalez (University Dean, School of Education, Indiana University), D. Bruce Johnstone (Professor of Higher and Comparative Education, Director, Center for Comparative and Global Studies in Education, Department of Educational Leadership and Policy, University of Buffalo), Roger Kaufman (Professor Emeritus, Educational Psychology and Learning, Florida State University, Director, Roger Kaufman and Associates, Distinguished Research Professor, Sonora Institute of Technology), and Gordon C. Winston (Orrin Sage Professor of Political Economy, Emeritus, and Director, Williams Project on the Economics of Higher Education, Williams College).

## *TheCenter* Reports

*The Myth of Number One: Indicators of Research University Performance* (Gainesville: *TheCenter*, 2000) engaged the issue of rankings in the very first report that discusses some of the issues around the American fascination with college and university rankings. Here, we describe the indicators *TheCenter* uses to measure research university performance, and in all the reports we include a section of notes that explain the sources and any changes in the indicators. The 2000 report also includes the first discussion of the large percentage of federal research expenditures controlled by the more than \$20 million group—a dominance that remains, as demonstrated in the 2004 report. A useful discussion of the most visible popular ranking system is in Denise S. Gater, *U.S. News & World Report's Methodology* (Gainesville: *TheCenter*,

2001, Revised) [<http://thecenter.ufl.edu/usnews.html>], and Gater, *A Review of Measures Used in U.S. News & World Report's "America's Best Colleges"* (Gainesville: *TheCenter*, 2002) [<http://thecenter.ufl.edu/Gater0702.pdf>]. For a discussion of the graduation rate measure, see Lombardi and Capaldi, "Students, Universities, and Graduation Rates: Sometimes Simple Things Don't Work" (*Ideas in Action*, Florida TaxWatch, IV:3, March 1997).

*Quality Engines: The Competitive Context for American Research Universities* (Gainesville: *TheCenter*, 2001) [<http://thecenter.ufl.edu/QualityEngines.pdf>] offers a detailed description of the guild structure of American research universities and discusses the composition, size, and scale of research universities. This report also reviews the relationship between enrollment size and institutional research performance, describes the impact of medical schools on research university performance, and displays the change in federal research expenditures over a 10-year period using constant dollars. The current report (2004) looks at the past five years and provides data on eight of the nine indicators.

*University Organization, Governance, and Competitiveness* (Gainesville: *TheCenter*, 2002) [<http://thecenter.ufl.edu/UniversityOrganization.pdf>] explores the organizational structure of public universities, discusses university finance, and explores a technique for estimating the revenue available for investment in quality by using an adjusted endowment equivalent measure. We also review here the impact of enrollment size on disposable income available for investment in research productivity. Given the importance of revenue in driving research university competition, we also explore the impact of revenue including endowment income and annual giving in this report. Our exploration of public systems and their impact on research performance indicates that organizational superstructures do not have much impact on research performance, which as we identified in the report on *Quality Engines* depends on the success of work performed on individual campuses. Investment levels prove much more important. The notes to that report include an extensive set of references on university organization and finance. A further use of the endowment equivalent concept, as well as a reflection on the use of sports to differentiate standardized higher education products, appears in our 2003 report on *The Sports Imperative* mentioned below. See also Denise S. Gater, *The Competition for Top Undergraduates by America's Colleges and Universities* (Gainesville: *TheCenter* Reports, May 2001) [<http://thecenter.ufl.edu/CompetitionForTopUndergraduates.pdf>].



ufl.edu/gaterUG1.pdf], which provides a survey of the methods used in competition for undergraduate students along with a useful bibliography.

*The Sports Imperative in America's Research Universities* (Gainesville: *TheCenter*, 2003) [<http://thecenter.ufl.edu/TheSportsImperative.pdf>] provides an extensive discussion of the dynamics of intercollegiate sports in American universities, and focuses on the impact of Division I-A college sports, particularly football and the BCS, on highly competitive American research institutions. The report also adapts the endowment equivalent technique described above to measure the impact of major sports programs on a university's available revenue.

### On the Value of a College Education

The literature on assessing the value of a college education is extensive. Lombardi maintains a course-related list of materials related to university management at *An Eclectic Bibliography on Universities* [<http://courses.umass.edu/lombardi/edu04/edu04bib.pdf>] that captures much of this material, although the URL may migrate each year to account for updates. Some of the items of particular interest here are Stacy Berg Dale and Alan B. Krueger, "Estimating the Payoff to Attending a More Selective College: An Application of Selection on Observables and Unobservables," *NBER Working Paper No. W7322* (August 1999) [<http://papers.nber.org/papers/w7322>]; James Monk, "The Returns to Individual and College Characteristics: Evidence from the National Longitudinal Survey of Youth," *Economics of Education Review* 19 (2000); 279-289; the National Center for Educational Statistics paper on *College Quality and the Earnings of Recent College Graduates* (Washington, DC: National Center for Educational Statistics, 2000) [<http://nces.ed.gov/pubs2000/2000043.pdf>], which addresses the question of the economic value of elite educational experience; Eric Eide, Dominic J. Brewer, and Ronald G. Ehrenberg, who examine the impact of elite undergraduate education on graduate school attendance in "Does It Pay to Attend an Elite Private College? Evidence on the Effects of Undergraduate College Quality on Graduate School Attendance," *Economics of Education Review* 17 (1998); 371-376. Jennifer Cheeseman Day and Eric C. Newburger look at the larger picture of the general return on educational attainment across the entire population in "The Big Payoff: Educational Attainment and Synthetic Estimates of Work – Life Earnings," *Current Population Reports* (Washington: U.S. Census Bureau, 2002)

[<http://www.census.gov/prod/2002pubs/p23-210.pdf>]. George D. Kuh's longstanding work on the quality of the undergraduate experience is reflected in "How Are We Doing? Tracking the Quality of the Undergraduate Experience, 1960s to the Present," *The Review of Higher Education*, 22 (1999); 99-120.

### On Institutional Improvement and Accountability

The scholarly and public commentary on improvement and accountability systems is also extensive. The course bibliography mentioned in the note above offers a good selection of this material. As an indication of the large-scale concerns this topic provokes, see, for example, Roger Kaufmann, *Toward Determining Societal Value Added Criteria for Research and Comprehensive Universities* (Gainesville: *TheCenter*, 2001) [<http://thecenter.ufl.edu/kaufman1.html>] and Alexander W. Astin, *Assessment for Excellence: The Philosophy and Practice of Assessment and Evaluation in Higher Education* (New York: ACE-Macmillan, 1991).

This topic is of considerable international interest as is visible in these examples. From the U.S. Committee on Science, Engineering, and Public Policy, see *Experiments in International Benchmarking of U.S. Research Fields* (Washington, DC: National Academy of Sciences, 2000) [<http://www.nap.edu/books/0309068983/html/>]. Urban Dahllof et al. give us the *Dimensions of Evaluation: Report of the IMHE Study Group on Evaluation in Higher Education* (London: Jessica Kingsley, 1991) that is part of an OECD, Programme for Institutional Management in Higher Education.

The Education Commission of the States demonstrates the public insistence on some form of accountability in *Refashioning Accountability: Toward A "Coordinated" System of Quality Assurance for Higher Education* (Denver: Education Commission of the States, 1997), and Lombardi and Capaldi include a general discussion of performance improvement and accountability in "Accountability and Quality Evaluation in Higher Education," *A Struggle to Survive: Funding Higher Education in the Next Century*, David A. Honeyman et al., eds., (Thousand Oaks, Calif.: Corwin Press, 1996, pp. 86-106) and a case study of a quality improvement program in their *A Decade of Performance at the University of Florida, 1900-1999* (Gainesville: University of Florida Foundation, 1999 [<http://jvlone.com/10yrPerformance.html>]).

On the issues associated with using faculty data and other inappropriate techniques for comparing university performance, see Gater, *Using National Data in University Rankings and Comparisons* (TheCenter 2003) [<http://thecenter.ufl.edu/gaternatdata.pdf>], and her *A Review of Measures Used in U.S. News & World Report's "America's Best Colleges"* (TheCenter 2002) [<http://thecenter.ufl.edu/Gater0702.pdf>], and Gater and Lombardi, *The Use of IPEDS/AAUP Faculty Data in Institutional Peer Comparisons* (TheCenter 2001) [<http://thecenter.ufl.edu/gaterFaculty1.pdf>].

For some additional examples of the discussion on university improvement, see Lombardi, "Competing for Quality: The Public Flagship Research University," (Reilly Center Public Policy Fellow, February 26-28, 2003, Louisiana State University [[http://jvlone.com/Reilly\\_Lombardi\\_2003.pdf](http://jvlone.com/Reilly_Lombardi_2003.pdf)] and his "University Improvement: The Permanent Challenge," (*Prepared at the Request of President John Palms, University of South Carolina, TheCenter 2000*) [<http://jvlone.com/socarolina3.htm>] February 2000. For a discussion of a

particular effort to measure university performance that emphasizes the comparison of colleges between universities rather than colleges within universities, see Lombardi and Capaldi, *The Bank*, an issue in the series on *Measuring University Performance* [[http://www.ir.ufl.edu/mups/issue\\_0997.htm](http://www.ir.ufl.edu/mups/issue_0997.htm)].

Also of interest on the topic of improvement and accountability are Lombardi, "How Classifications Can Help Colleges," *Chronicle of Higher Education* (9/8/2000) [<http://jvlone.com/chron090800.html>]; "Statewide Governance: The Myth of the Seamless System," Peer Review (American Association of Colleges and Universities, 2001) [<http://jvlone.com/lombardiAACU2001.pdf>]; *Generadores de Calidad: Los Principios Estratégicos de las Universidades Competitivas en el Siglo XXI* (presented at the Simposio Evaluación y Reforma de la Educación Superior en Venezuela, Universidad Central de Venezuela, 2001) [[http://jvlone.com/UCV\\_ESP\\_1.html](http://jvlone.com/UCV_ESP_1.html)] English version at [http://jvlone.com/UCV\\_ENG\\_1.html](http://jvlone.com/UCV_ENG_1.html).



# Appendix

## Institutions with More Than \$20 Million in Federal Research Expenditures and Public Multi-Campus Systems

The table included in this Appendix presents the data on multi-campus university systems referenced in the text. The table shows these multi-campus university systems inserted in the data on *TheCenter's* indicators as if they were single institutions. For this demonstration we combined those campuses of state systems that appear independently within *The Top American Research Universities* with more than \$20 million in federal research. A few systems have campuses with some federal research expenditures that do not reach this level of competitiveness, but we did not include those for the purposes of this demonstration. We sorted the table by federal research expenditures to match the text tables.

The indicators are those used elsewhere in the *Top American Research Universities* although that this table does not include SAT data which we cannot calculate properly for multi-campus systems. The other indicators, listed below, include not only the data but

also the ranking within control group (public or private) and nationally.

Total Research, 2002

Federal Research, 2002

Endowment Assets, 2003

Annual Giving, 2003

National Academy, 2003

Faculty Awards, 2003

Doctorates Granted, 2003

Postdoctoral Appointees, 2003

Although this table is sorted by federal research expenditures, it also appears on *TheCenter* website in Excel format for additional analysis.

## Appendix

Institutions with More Than \$20 Million in Federal Research Expenditures and Public Multi-Campus Systems (Systems include only campuses at \$20 Million in Federal Research Expenditures) Sorted by Federal Research		2002 — Total Research x \$1000	Total Research National Rank	Total Research Control Rank	2002 — Federal Research x \$1000	Federal Research National Rank	Federal Research Control Rank	2003 — Endowment Assets x \$1000	Endow- ment National Rank	Endow- ment Control Rank	2003 — Annual Giving x \$1000	Giving National Rank	Giving Control Rank
	<b>University of California system</b>	3,425,137			1,706,603			3,120,659			1,088,470		
Private	Johns Hopkins University	1,140,235	1	1	1,022,510	1	1	1,714,541	23	19	319,547	6	5
	<b>University of Texas system</b>	1,244,599			752,586			3,154,420			552,648		
Public	University of Washington - Seattle	627,273	5	4	487,059	2	1	1,103,197	35	9	311,251	8	3
Public	University of Michigan - Ann Arbor	673,724	3	2	444,255	3	2	3,395,225	11	2	180,217	24	12
Private	Stanford University	538,474	8	2	426,620	4	2	8,614,000	4	4	486,075	2	2
Private	University of Pennsylvania	522,269	9	3	397,587	5	3	3,547,473	8	8	399,641	3	3
Public	University of California - Los Angeles	787,598	2	1	366,762	6	3	499,139	81	24	319,463	7	2
Public	University of California - San Diego	585,008	7	6	359,383	7	4	158,989	211	78	138,589	30	16
	<b>University of Illinois system</b>	687,026			357,506			733,018			161,265		
Private	Columbia University	405,403	22	9	356,749	8	4	4,350,000	6	6	281,498	13	8
Public	University of Wisconsin - Madison	662,101	4	3	345,003	9	5	850,335	49	15	286,915	12	5
	<b>University of Maryland system</b>	628,125			340,488			438,948			129,926		
	<b>University of Colorado system</b>	395,820			337,061			313,418			82,170		
Private	Harvard University	401,367	23	10	336,607	10	5	18,849,491	1	1	555,639	1	1
Private	Massachusetts Institute of Technology	455,491	14	5	330,409	11	6	5,133,613	5	5	191,463	21	12
Public	University of California - San Francisco	596,965	6	5	327,393	12	6	259,465	147	51	225,597	17	8
Public	University of Pittsburgh - Pittsburgh	400,200	24	14	306,913	13	7	1,156,618	31	8	94,545	45	25
Private	Washington University in St. Louis	416,960	20	7	303,441	14	7	3,454,704	10	9	110,230	39	18
	<b>State Univ. of New York system</b>	526,254			302,956			470,812			152,794		
Public	University of Minnesota - Twin Cities	494,265	11	7	295,301	15	8	1,336,020	26	6	244,851	15	7
	<b>Pennsylvania State University system</b>	492,739			284,706			818,286			143,238		
	<b>University of Alabama system</b>	340,536			278,781			602,301			99,193		
Private	Yale University	354,243	29	12	274,304	16	8	11,034,600	2	2	222,089	18	10
Private	Cornell University	496,123	10	4	270,578	17	9	2,854,771	16	14	356,201	4	4
Private	University of Southern California	372,397	27	11	266,645	18	10	2,113,666	19	17	305,982	10	6
Private	Duke University	441,533	16	6	261,356	19	11	3,017,261	14	12	296,827	11	7
Private	Baylor College of Medicine	411,924	21	8	259,475	20	12	833,644	50	35	47,971	88	39
Public	Pennsylvania State University - University Park	443,465	15	10	256,235	21	9	689,567	57	16	121,480	35	19
Public	University of North Carolina - Chapel Hill	370,806	28	17	254,571	22	10	1,097,418	36	10	163,622	27	14
	<b>Utah State system</b>	338,328			222,018			406,625			150,365		
Public	University of Texas - Austin	320,966	32	20	219,158	23	11	1,640,724	24	5	309,484	9	4
Public	University of California - Berkeley	474,746	12	8	217,297	24	12	1,793,647	22	4	190,710	22	10
Public	University of Alabama - Birmingham	255,053	45	30	216,221	25	13	242,125	156	55	51,704	83	46
Public	University of Illinois - Urbana-Champaign	427,174	19	13	214,323	26	14	615,373	68	19	114,229	37	21
Public	University of Arizona	390,827	25	15	211,772	27	15	297,745	130	45	185,430	23	11
Private	California Institute of Technology	220,004	52	18	199,944	28	13	1,145,216	32	24	124,443	32	15
Private	University of Rochester	261,601	43	15	195,298	29	14	1,127,350	33	25	59,430	68	29
Public	University of Maryland - College Park	324,980	31	19	194,095	30	16	289,615	133	46	78,619	55	30
Public	University of Colorado - Boulder	219,900	53	35	190,661	31	17	193,468	183	69	39,600	114	70
Private	Emory University	271,238	39	14	186,083	32	15	4,019,766	7	7	123,528	33	16
	<b>Texas A&amp;M University system</b>	486,317			185,905			3,582,535			149,898		
Private	University of Chicago	225,264	50	16	183,830	33	16	3,221,833	12	10	163,592	28	14
Private	Case Western Reserve University	219,042	54	19	181,888	34	17	1,289,274	27	21	79,032	54	25
Public	University of Iowa	288,808	35	23	180,743	35	18	638,996	64	18	93,017	46	26
Private	Northwestern University	282,154	38	13	178,607	36	18	3,051,167	13	11	176,111	26	13
Public	Ohio State University - Columbus	432,387	18	12	177,883	37	19	1,216,574	30	7	195,759	20	9
Public	University of California - Davis	456,653	13	9	176,644	38	20	58,838	392	132	64,664	63	35
Private	Vanderbilt University	208,305	58	20	172,858	39	19	2,019,139	20	18	98,800	44	20
Private	Boston University	192,612	62	21	171,438	40	20	620,300	67	49	103,360	41	19

2003 — National Academy Members	National Academy National Rank	National Academy Control Rank	2003 — Faculty Awards	Faculty Awards National Rank	Faculty Awards Control Rank	2003 — Doctorates Granted	Doctorates National Rank	Doctorates Control Rank	2003 — Postdoctoral Appointees	Postdocs National Rank	Postdocs Control Rank
553			203			2,764			4,975		
65	16	10	32	12	5	364	31	11	1,301	3	2
90			56			851			1,371		
77	13	4	38	7	5	493	15	11	972	8	2
73	14	5	39	6	4	617	5	4	735	14	6
249	2	2	44	2	2	611	7	2	1,214	4	3
89	8	6	23	21	12	385	27	9	976	7	6
64	17	7	37	8	6	596	8	6	1,351	2	1
95	7	2	37	8	6	279	42	29	902	9	3
60			54			842			571		
84	11	8	36	10	3	433	21	7	302	46	22
70	15	6	44	2	1	656	4	3	461	24	12
30			25			555			461		
35			28			344			947		
264	1	1	54	1	1	548	13	4	3,698	1	1
234	3	3	23	21	12	440	19	5	986	6	5
85	10	3	29	15	8	80	156	97	430	29	15
22	40	21	13	50	29	348	33	22	548	21	11
39	24	14	29	15	8	207	68	20	620	17	10
19			30			738			589		
38	25	11	14	43	24	560	11	9	749	13	5
29			33			544			334		
7			15			354			260		
104	5	4	35	11	4	317	37	13	1,131	5	4
80	12	9	32	12	5	436	20	6	764	12	8
38	25	15	23	21	12	559	12	3	543	22	11
50	21	12	29	15	8	253	52	17	665	16	9
15	54	25	13	50	22	60	192	78	365	35	17
28	33	16	29	15	8	503	14	10	266	55	31
37	27	12	19	30	14	412	24	17	574	19	9
21			22			284			276		
55	18	8	23	21	10	674	3	2	214	65	41
201	4	1	44	2	1	772	1	1	859	10	4
7	77	44	10	67	42	155	89	62	230	60	36
55	18	8	40	5	3	617	5	4	279	52	28
29	30	13	19	30	14	378	28	19	409	30	16
96	6	5	21	27	16	137	102	33	527	23	12
22	40	20	11	58	24	193	70	21	296	48	23
21	43	23	22	26	11	418	22	15	244	57	33
24	37	20	19	30	14	303	38	25	680	15	7
13	56	27	14	43	20	154	90	28	452	25	13
17			10			446			352		
52	20	11	25	20	11	332	35	12	392	32	16
19	45	21	9	74	30	179	77	24	322	42	21
18	47	25	14	43	24	249	54	37	360	36	19
37	27	16	30	14	7	370	30	10	156	79	27
18	47	25	17	36	19	575	10	8	331	39	20
29	30	13	21	27	12	373	29	20	578	18	8
17	50	23	19	30	17	189	71	22	439	28	14
13	56	27	23	21	12	270	46	14	78	117	38

## Appendix

Institutions with More Than \$20 Million in Federal Research Expenditures and Public Multi-Campus Systems (Systems include only campuses at \$20 Million in Federal Research Expenditures) Sorted by Federal Research		2002 — Total Research x \$1000	Total Research National Rank	Total Research Control Rank	2002 — Federal Research x \$1000	Federal Research National Rank	Federal Research Control Rank	2003 — Endowment Assets x \$1000	Endow- ment National Rank	Endow- ment Control Rank	2003 — Annual Giving x \$1000	Giving National Rank	Giving Control Rank
Public	University of Florida	386,316	26	16	167,108	41	21	585,695	72	21	176,689	25	13
Public	Georgia Institute of Technology	340,347	30	18	165,680	42	22	1,021,481	39	11	74,369	56	31
Public	Texas A&M University	436,681	17	11	163,488	43	23	3,525,114	9	1	142,310	29	15
Public	University of Texas SW Medical Center - Dallas	263,958	41	27	155,258	44	24	656,221	60	17	82,654	51	27
Public	University of Virginia	182,340	68	45	152,358	45	25	1,800,882	21	3	261,922	14	6
Public	University of Cincinnati - Cincinnati	217,739	55	36	150,166	46	26	873,327	47	13	51,491	84	47
Private	New York University	222,978	51	17	149,995	47	21	1,244,600	29	23	207,932	19	11
	<b>University of Massachusetts system</b>	242,061			148,762			104,398			30,817		
Public	University of Colorado Health Sciences Center	175,920	73	50	146,400	48	27	119,950	264	98	42,570	104	63
Public	University of Illinois - Chicago	259,852	44	29	143,183	49	28	117,645	268	99	47,036	90	51
Public	University of Utah	216,707	56	37	142,625	50	29	333,253	122	41	137,345	31	17
Private	Carnegie Mellon University	188,191	64	22	137,967	51	22	654,678	61	44	43,377	97	40
	<b>Indiana University system</b>	299,080			132,759			912,836			148,619		
Public	Oregon Health & Science University	158,729	80	54	130,231	52	30	249,603	152	52	42,627	102	61
	<b>Oregon State system</b>	205,458			128,860			470,686			91,889		
Public	University at Buffalo	239,735	46	31	128,842	53	31	378,385	108	35	32,856	130	80
	<b>Kansas State system</b>	278,935			126,651			902,742			130,843		
Private	Mount Sinai School of Medicine	185,335	66	23	125,979	54	23	NR			NR		
Public	Michigan State University	289,787	34	22	122,595	55	32	592,004	70	20	118,659	36	20
Private	University of Miami	171,319	75	24	121,171	56	24	411,618	99	66	92,770	47	21
Public	University of Texas MD Anderson Cancer Center	262,145	42	28	117,633	57	33	205,089	177	65	63,133	64	36
Public	University of Maryland - Baltimore	266,822	40	26	117,017	58	34	135,757	240	89	43,276	100	60
Public	University of California - Irvine	209,469	57	38	115,548	59	35	123,706	257	96	53,226	81	45
Private	Yeshiva University	157,124	82	27	114,268	60	25	914,130	45	33	NR		
Public	Colorado State University	178,845	70	47	112,650	61	36	103,797	293	105	29,457	141	86
Public	University of Hawaii - Manoa	161,823	78	52	110,882	62	37	141,463	231	86	21,623	183	104
Public	Stony Brook University	184,045	67	44	108,122	63	38	43,699	463	154	79,484	53	29
Public	Purdue University - West Lafayette	285,778	36	24	107,477	64	39	1,017,667	40	12	103,445	40	22
Public	University of New Mexico - Albuquerque	150,598	83	56	104,252	65	40	201,486	179	66	41,043	108	66
Public	University of Kentucky	236,275	47	32	100,426	66	41	412,308	97	32	54,808	77	43
Public	University of Texas Health Science Center - Houston	138,380	85	58	98,676	67	42	99,139	306	109	29,647	140	85
Private	Princeton University	164,408	77	26	97,724	68	26	8,730,100	3	3	227,532	16	9
Public	Wayne State University	199,007	59	39	95,910	69	43	147,845	227	84	NR		
Public	University of Massachusetts Medical Sch - Worcester	132,729	88	61	93,992	70	44	37,652	502	170	NR		
	<b>University of Connecticut system</b>	172,003			93,326			167,863			42,503		
Private	Wake Forest University	111,634	100	29	91,738	71	27	725,155	54	39	57,212	74	33
Public	Oregon State University	161,735	79	53	91,683	72	45	235,863	159	57	29,345	142	87
Public	University of Medicine & Dentistry of New Jersey	178,156	71	48	90,235	73	46	157,397	215	80	17,800	218	117
Public	University of Tennessee - Knoxville	185,437	65	43	88,167	74	47	444,146	90	29	102,016	42	23
Private	Dartmouth College	126,839	93	28	87,255	75	28	2,121,183	18	16	90,371	48	22
Private	Georgetown University	96,450	114	36	87,087	76	29	591,042	71	51	83,449	49	23
Public	University of South Florida	197,894	61	41	84,108	77	48	248,656	153	53	19,502	196	109
Public	University of Texas Health Science Ctr - San Antonio	129,616	91	64	83,761	78	49	246,573	154	54	27,775	151	90
	<b>Louisiana State University system</b>	262,075			83,533			286,020			38,751		
Public	Virginia Polytechnic Institute and State University	232,560	48	33	82,976	79	50	331,311	123	42	54,284	79	44
Public	Rutgers the State University of NJ - New Brunswick	230,358	49	34	81,172	80	51	366,324	111	36	79,793	52	28
	<b>University of Nebraska system</b>	242,431			80,007			721,418			86,664		
Public	Indiana University-Purdue University - Indianapolis	179,448	69	46	79,655	81	52	423,481	93	31	99,336	43	24
Public	Utah State University	121,621	96	68	79,393	82	53	73,372	358	124	13,020	276	142
Private	Thomas Jefferson University	102,974	111	33	79,217	83	30	NR			15,548	238	113

2003 — National Academy Members	National Academy National Rank	National Academy Control Rank	2003 — Faculty Awards	Faculty Awards National Rank	Faculty Awards Control Rank	2003 — Doctorates Granted	Doctorates National Rank	Doctorates Control Rank	2003 — Postdoctoral Appointees	Postdocs National Rank	Postdocs Control Rank
17	50	28	19	30	14	591	9	7	568	20	10
27	34	17	20	29	13	225	62	43	34	155	109
17	50	28	10	67	42	442	17	13	281	51	27
26	35	18	13	50	29	42	237	135	318	44	23
22	40	21	17	36	19	337	34	23	379	33	17
5	86	51	12	55	33	237	57	39	222	64	40
31	29	17	14	43	20	411	25	8	326	41	20
9			22			237			750		
11	62	33	9	74	45	41	239	137	267	54	30
5	86	51	14	43	24	225	62	43	292	50	26
21	43	23	19	30	14	225	62	43	262	56	32
23	38	18	10	67	26	164	82	26	168	74	26
17			15			413			375		
6	80	47	12	55	33	27	287	163	123	92	62
11			16			327			194		
5	86	51	10	67	42	269	47	33	330	40	21
6			13			388			311		
10	67	32	1	273	99	27	287	125	0	274	85
8	74	41	14	43	24	442	17	13	377	34	18
2	115	46	7	85	33	127	108	37	115	94	31
1	139	83	1	273	175	NR	451	26	13		
9	71	38	0	521	305	70	171	103	183	71	46
25	36	19	11	58	35	188	72	50	320	43	22
10	67	32	7	85	33	125	111	38	828	11	7
7	77	44	7	85	53	182	75	52	196	68	43
5	86	51	11	58	35	131	107	71	72	122	83
13	56	30	15	40	22	298	40	27	229	62	38
13	56	30	13	50	29	463	16	12	237	58	34
3	103	62	3	146	95	162	84	58	76	119	81
3	103	62	11	58	35	208	67	48	230	60	36
5	86	51	6	98	61	75	162	99	92	110	76
86	9	7	27	19	10	260	49	15	348	37	18
5	86	51	7	85	53	188	72	50	276	53	29
2	115	70	7	85	53	24	299	167	304	45	24
2			10			237			248		
2	115	46	4	122	44	35	252	106	96	106	33
5	86	51	5	107	68	171	79	55	107	98	67
1	139	83	5	107	68	114	120	79	188	69	44
1	139	83	1	273	175	262	48	34	131	86	57
11	62	30	12	55	23	67	180	73	138	81	28
6	80	34	10	67	26	88	144	55	62	129	41
1	139	83	8	79	47	153	91	63	124	91	61
1	139	83	8	79	47	25	296	166	131	86	57
1			8			233			145		
12	61	32	8	79	47	272	44	31	104	102	70
29	30	13	13	50	29	358	32	21	135	82	54
4			6			277			170		
6	80	47	4	122	79	24	299	167	225	63	39
0	189	116	3	146	95	59	195	116	14	210	148
5	86	36	2	194	68	18	339	161	203	66	25



## Appendix

Institutions with More Than \$20 Million in Federal Research Expenditures and Public Multi-Campus Systems (Systems include only campuses at \$20 Million in Federal Research Expenditures) Sorted by Federal Research		2002 — Total Research x \$1000	Total Research National Rank	Total Research Control Rank	2002 — Federal Research x \$1000	Federal Research National Rank	Federal Research Control Rank	2003 — Endowment Assets x \$1000	Endow- ment National Rank	Endow- ment Control Rank	2003 — Annual Giving x \$1000	Giving National Rank	Giving Control Rank
Private	Woods Hole Oceanographic Institution	99,964	112	34	78,458	84	31	269,300	143	93	23,900	165	71
Public	University of California - Santa Barbara	131,795	90	63	78,370	85	54	88,346	326	117	62,017	67	39
Public	University of Texas Medical Branch - Galveston	129,534	92	65	78,100	86	55	306,674	127	44	39,955	112	69
Public	University of Georgia	284,660	37	25	78,086	87	56	397,082	106	34	59,073	71	41
Public	University of Missouri - Columbia	177,011	72	49	77,742	88	57	433,936	92	30	64,708	62	34
Public	Mississippi State University	158,652	81	55	77,521	89	58	154,396	219	81	33,930	127	78
Private	Medical College of Wisconsin	96,700	113	35	76,241	90	32	55,963	404	266	8,661	371	204
Public	Medical University of South Carolina	132,030	89	62	75,803	91	59	69,950	366	126	18,101	216	116
Public	North Carolina State University	290,018	33	21	75,204	92	60	289,060	134	47	122,748	34	18
Private	Tufts University	109,291	104	31	73,236	93	33	669,286	58	42	70,069	60	28
Public	Iowa State University	188,664	63	42	71,419	94	61	339,330	120	39	47,365	89	50
Public	Florida State University	134,351	87	60	70,456	95	62	333,750	121	40	62,898	65	37
Public	New Mexico State University - Las Cruces	103,078	109	78	70,314	96	63	93,410	318	112	13,091	270	137
	<b>University of Oklahoma system</b>	169,373			69,388			588,669			87,614		
Private	Brown University	109,482	102	30	68,215	97	34	1,461,327	25	20	82,663	50	24
Private	Rockefeller University	166,603	76	25	67,559	98	35	1,278,100	28	22	54,043	80	36
Public	University of Alaska - Fairbanks	116,279	98	70	66,169	99	64	41,717	475	159	6,480	457	193
Public	Virginia Commonwealth University	109,619	101	72	65,028	100	65	184,017	191	71	38,242	119	73
Private	Tulane University	102,998	110	32	64,824	101	36	633,740	66	48	51,952	82	37
Public	Arizona State University - Tempe	123,016	95	67	64,407	102	66	221,179	169	62	59,275	70	40
	<b>University of Nevada system</b>	97,248			62,325			86,751			34,185		
Private	George Washington University	86,288	119	37	58,729	103	37	634,100	65	47	59,344	69	30
Public	University of Vermont	88,602	118	82	58,280	104	67	192,786	185	70	28,767	145	88
Public	Washington State University - Pullman	138,726	84	57	55,593	105	68	495,623	83	25	45,420	93	54
Public	University of Massachusetts - Amherst	109,332	103	73	54,770	106	69	66,746	372	127	30,817	136	84
Public	University of South Carolina - Columbia	123,108	94	66	53,403	107	70	312,548	126	43	45,899	91	52
Public	Indiana University - Bloomington	119,632	97	69	53,104	108	71	489,355	85	27	49,283	86	48
Public	Louisiana State University - Baton Rouge	197,993	60	40	52,784	109	72	227,232	165	60	38,751	117	72
Public	University of Connecticut - Storrs	96,322	115	79	52,263	110	73	112,468	278	100	34,002	126	77
Public	University of Nebraska - Lincoln	171,431	74	51	51,405	111	74	581,789	73	22	55,578	75	42
Public	University of New Hampshire - Durham	93,222	117	81	50,829	112	75	141,236	232	87	13,056	272	139
Public	West Virginia University	84,985	121	84	49,394	113	76	275,058	140	49	42,117	105	64
Public	University of Kansas - Lawrence	103,451	108	77	49,184	114	77	572,938	75	23	70,567	58	32
Public	University of Delaware	85,157	120	83	48,183	115	78	868,065	48	14	33,597	128	79
Public	Clemson University	134,840	86	59	47,174	116	79	213,448	173	63	37,234	122	75
Public	University of Rhode Island	53,347	144	106	45,453	117	80	49,354	437	145	13,032	275	141
Private	Rush University	79,394	124	38	44,756	118	38	293,326	132	87	NR		
Public	Temple University	63,850	137	99	44,577	119	81	158,111	213	79	26,920	153	92
Public	US Naval Postgraduate School	45,227	159	114	44,379	120	82	NR			NR		
Public	Kansas State University	106,804	106	75	43,988	121	83	168,206	201	74	44,786	94	55
Public	Auburn University	108,775	105	74	42,432	122	84	224,287	167	61	44,215	95	56
Public	University of Connecticut - Health Center	75,681	127	89	41,063	123	85	55,395	409	139	8,501	374	169
Public	University at Albany	67,493	132	94	40,497	124	86	14,770	660	234	36,746	123	76
Private	University of Dayton	46,554	156	43	40,191	125	39	258,064	148	97	20,407	192	85
Public	Montana State University - Bozeman	78,211	125	87	39,986	126	87	52,089	422	142	NR		
Public	University of Nevada - Reno	66,721	133	95	39,958	127	88	44,450	456	151	13,055	273	140
Private	Rice University	48,169	151	41	39,739	128	40	2,937,649	15	13	57,930	73	32
Private	Charles R. Drew University of Medicine and Science	48,839	149	40	39,259	129	41	NR			NR		
Public	University of Louisville	80,974	123	86	38,978	130	89	475,193	86	28	32,817	131	81
Public	University of Mississippi - Oxford	47,894	152	111	38,671	131	90	273,477	141	50	48,900	87	49

2003 — National Academy Members	National Academy National Rank	National Academy Control Rank	2003 — Faculty Awards	Faculty Awards National Rank	Faculty Awards Control Rank	2003 — Doctorates Granted	Doctorates National Rank	Doctorates Control Rank	2003 — Postdoctoral Appointees	Postdocs National Rank	Postdocs Control Rank
4	98	38	1	273	99	NR	71	123	40		
42	23	10	11	58	35	251	53	36	187	70	45
2	115	70	5	107	68	35	252	147	165	75	49
8	74	41	6	98	61	414	23	16	180	73	48
5	86	51	14	43	24	274	43	30	157	78	52
0	189	116	1	273	175	93	136	86	35	153	107
1	139	57	1	273	99	16	348	168	105	100	32
2	115	70	2	194	127	35	252	147	183	71	46
18	47	25	7	85	53	322	36	24	301	47	25
5	86	36	7	85	33	85	150	59	407	31	15
10	67	36	8	79	47	238	56	38	203	66	42
5	86	51	8	79	47	290	41	28	104	102	70
0	189	116	2	194	127	75	162	99	0	274	190
3			9			159			102		
17	50	23	11	58	24	143	98	31	94	108	34
45	22	13	16	39	18	34	260	109	334	38	19
0	189	116	3	146	95	36	250	145	0	274	190
3	103	62	7	85	53	114	120	79	161	76	50
3	103	42	10	67	26	105	127	45	86	113	35
6	80	47	17	36	19	300	39	26	105	100	69
2			5			132			9		
4	98	38	10	67	26	228	61	19	50	138	43
3	103	62	5	107	68	35	252	147	97	105	73
8	74	41	11	58	35	126	109	72	161	76	50
7	77	44	15	40	22	213	65	46	446	27	14
1	139	83	6	98	61	235	59	41	93	109	75
11	62	33	11	58	35	389	26	18	150	80	53
1	139	83	7	85	53	211	66	47	86	113	79
0	189	116	6	98	61	237	57	39	125	90	60
3	103	62	2	194	127	254	50	35	108	97	66
0	189	116	4	122	79	54	207	124	27	172	121
0	189	116	0	521	305	150	94	65	31	160	112
5	86	51	7	85	53	232	60	42	131	86	57
9	71	38	5	107	68	135	105	70	134	83	55
1	139	83	5	107	68	116	119	78	40	147	102
1	139	83	3	146	95	77	159	98	35	153	107
3	103	42	1	273	99	33	263	112	41	145	45
0	189	116	5	107	68	161	85	59	78	117	80
0	189	116	1	273	175	12	386	190	0	274	190
0	189	116	5	107	68	145	95	66	133	85	56
0	189	116	0	521	305	159	86	60	38	150	104
2	115	70	4	122	79	0	571	335	123	92	62
0	189	116	4	122	79	165	81	56	30	165	115
0	189	74	0	521	217	21	318	144	0	274	85
0	189	116	3	146	95	42	237	135	106	99	68
2	115	70	4	122	79	95	134	85	0	274	190
19	45	21	7	85	33	107	125	43	127	89	30
2	115	46	0	521	217	0	571	236	0	274	85
1	139	83	2	194	127	89	142	88	68	125	85
0	189	116	1	273	175	83	153	94	52	136	94

## Appendix

Institutions with More Than \$20 Million in Federal Research Expenditures and Public Multi-Campus Systems (Systems include only campuses at \$20 Million in Federal Research Expenditures) Sorted by Federal Research		2002 — Total Research x \$1000	Total Research National Rank	Total Research Control Rank	2002 — Federal Research x \$1000	Federal Research National Rank	Federal Research Control Rank	2003 — Endowment Assets x \$1000	Endow- ment National Rank	Endow- ment Control Rank	2003 — Annual Giving x \$1000	Giving National Rank	Giving Control Rank
Public	University of Oklahoma - Norman	106,705	107	76	37,470	132	91	412,068	98	33	64,834	61	33
Public	University of Oregon	43,723	163	117	37,177	133	92	234,823	160	58	62,544	66	38
Public	University of Alabama - Huntsville	48,353	150	110	35,660	134	93	18,069	631	218	4,176	589	231
Private	Howard University	35,387	177	51	33,949	135	42	317,110	125	83	NR		
Public	University of Kansas Medical Center	68,680	131	93	33,479	136	94	161,598	209	76	15,490	240	127
Public	University of Idaho	76,758	126	88	33,465	137	95	130,253	248	93	15,837	231	124
Private	University of Notre Dame	52,371	145	39	33,285	138	43	2,573,346	17	15	113,887	38	17
Public	University of California - Santa Cruz	70,967	130	92	32,901	139	96	74,643	354	122	18,169	214	115
Private	Syracuse University	45,870	158	45	32,704	140	44	656,893	59	43	38,390	118	47
Public	University of California - Riverside	111,936	99	71	32,305	141	97	63,886	379	129	16,035	230	123
Public	Florida International University	47,654	154	113	32,057	142	98	52,880	418	141	11,812	304	151
Public	University of Oklahoma Health Sciences Center	62,668	139	101	31,918	143	99	176,601	196	73	22,780	171	97
Public	George Mason University	38,849	167	121	31,890	144	100	NR			16,501	227	121
Public	University of Houston - University Park	59,707	142	104	31,455	145	101	280,399	138	48	28,519	146	89
Private	Saint Louis University - St. Louis	35,444	176	50	31,215	146	45	645,382	62	45	NR		
Public	Oklahoma State University - Stillwater	94,987	116	80	31,100	147	102	149,279	224	83	40,183	110	68
Public	Louisiana State University Health Sciences Center	64,082	136	98	30,749	148	103	58,788	393	133	NR		
Private	Drexel University	44,465	162	46	30,232	149	46	349,948	116	79	58,019	72	31
Public	University of Central Florida	66,351	134	96	29,929	150	104	54,423	412	140	11,347	314	154
Public	University of Maryland - Baltimore County	36,323	174	125	29,376	151	105	13,576	670	239	8,031	390	173
Private	Brandeis University	47,122	155	42	29,006	152	47	407,824	101	68	72,066	57	26
Public	University of Nebraska Medical Center	71,000	129	91	28,602	153	106	139,629	233	88	31,086	135	83
Public	Pennsylvania State University - Hershey Medical Ctr	49,274	148	109	28,471	154	107	128,719	250	94	21,758	180	102
Private	Loyola University Chicago	37,607	171	49	27,678	155	48	192,100	187	117	23,782	167	72
Public	University of Arkansas - Fayetteville	83,063	122	85	27,588	156	108	493,775	84	26	333,049	5	1
Public	University of Arkansas for Medical Sciences	45,046	160	115	27,491	157	109	40,291	482	162	22,558	174	99
Public	University of Alabama - Tuscaloosa	37,130	172	123	26,900	158	110	342,107	118	38	43,313	99	59
Private	MCP Hahnemann University	37,945	170	48	26,619	159	49	NR			NR		
Private	Rensselaer Polytechnic Institute	45,955	157	44	26,490	160	50	510,883	80	57	41,079	107	42
Public	New Jersey Institute of Technology	61,424	141	103	25,641	161	111	42,548	469	156	7,772	402	177
Public	State Univ. of New York Health Science Ctr - Brooklyn	34,981	178	127	25,495	162	112	33,958	528	181	3,708	633	242
Public	San Diego State University	64,302	135	97	25,223	163	113	62,342	382	130	43,373	98	58
Public	University of North Dakota	33,973	180	129	25,004	164	114	NR			NR		
Private	Northeastern University	38,540	168	47	24,295	165	51	410,691	100	67	20,984	190	84
Public	University of Puerto Rico - Medical Sciences	29,089	190	138	23,931	166	115	NR			NR		
Public	University of Maine - Orono	62,149	140	102	23,732	167	116	83,114	335	118	13,254	265	135
Public	Medical College of Georgia	51,705	146	107	23,317	168	117	80,022	341	120	8,028	391	174
Private	Boston College	31,754	183	52	22,827	169	52	968,511	43	31	54,716	78	35
Public	Desert Research Institute	29,465	188	136	22,760	170	118	NR			NR		
Public	University of Montana - Missoula	39,367	166	120	22,612	171	119	79,370	344	121	14,317	251	131
Public	Texas A&M University System Health Sciences Center	49,636	147	108	22,417	172	120	57,421	398	136	7,588	409	178
Public	University of Southern Mississippi	25,685	198	145	22,398	173	121	NR			NR		
Public	University of Nevada - Las Vegas	30,527	186	134	22,367	174	122	42,301	470	157	21,130	187	105
Private	Morehouse School of Medicine	23,956	209	56	21,919	175	53	NR			4,997	546	329
Public	Jackson State University	25,445	200	147	21,721	176	123	NR			NR		
Public	Florida A&M University	31,147	184	132	21,592	177	124	NR			NR		
Public	North Dakota State University	72,105	128	90	21,414	178	125	NR			8,930	361	166
Private	Meharry Medical College	20,508	218	60	20,453	179	54	30,907	544	360	12,585	292	145
Public	Texas Tech University	63,248	138	100	20,390	180	126	199,189	181	68	26,822	154	93
Private	Loma Linda University	23,996	207	55	20,114	181	55	124,771	256	161	NR		
Public	University of Wyoming	41,632	164	118	20,017	182	127	149,807	223	82	16,799	225	120

2003 — National Academy Members	National Academy National Rank	National Academy Control Rank	2003 — Faculty Awards	Faculty Awards National Rank	Faculty Awards Control Rank	2003 — Doctorates Granted	Doctorates National Rank	Doctorates Control Rank	2003 — Postdoctoral Appointees	Postdocs National Rank	Postdocs Control Rank
2	115	70	8	79	47	143	98	68	43	143	99
6	80	47	11	58	35	156	88	61	87	112	78
0	189	116	2	194	127	21	318	175	0	274	190
6	80	34	3	146	52	93	136	51	22	188	56
1	139	83	1	273	175	11	398	194	47	139	96
0	189	116	2	194	127	90	141	87	41	145	101
2	115	46	9	74	30	135	105	36	134	83	29
9	71	38	4	122	79	104	128	83	113	95	64
2	115	46	4	122	44	121	115	41	33	158	47
3	103	62	9	74	45	121	115	75	235	59	35
1	139	83	2	194	127	60	192	115	26	174	123
1	139	83	1	273	175	16	348	181	59	133	91
2	115	70	6	98	61	138	101	69	0	274	190
11	62	33	5	107	68	203	69	49	109	96	65
1	139	57	2	194	68	151	92	29	32	159	48
3	103	62	5	107	68	182	75	52	55	135	93
0	189	116	1	273	175	22	313	173	59	133	91
4	98	38	4	122	44	108	124	42	0	274	85
0	189	116	3	146	95	110	123	82	0	274	190
0	189	116	3	146	95	67	180	108	34	155	109
14	55	26	9	74	30	93	136	51	81	116	37
1	139	83	4	122	79	23	306	169	62	129	89
1	139	83	4	122	79	41	239	137	68	125	85
0	189	74	3	146	52	166	80	25	86	113	35
2	115	70	4	122	79	120	117	76	42	144	100
1	139	83	0	521	305	15	354	183	39	148	103
0	189	116	3	146	95	178	78	54	30	165	115
0	189	74	0	521	217	NR			0	274	85
13	56	27	5	107	40	136	103	34	75	120	39
0	189	116	0	521	305	46	224	130	21	192	136
1	139	83	1	273	175	6	459	214	0	274	190
0	189	116	3	146	95	40	242	139	12	216	152
0	189	116	1	273	175	57	198	118	12	216	152
0	189	74	3	146	52	93	136	51	29	167	51
0	189	116	0	521	305	3	514	227	0	274	190
1	139	83	3	146	95	45	227	132	38	150	104
0	189	116	0	521	305	15	354	183	88	111	77
2	115	46	6	98	38	143	98	31	39	148	46
0	189	116	0	521	305	NR			NR		
0	189	116	1	273	175	33	263	152	11	220	155
0	189	116	0	521	305	4	487	219	71	123	84
0	189	116	0	521	305	117	118	77	26	174	123
0	189	116	1	273	175	37	248	144	9	226	160
3	103	42	0	521	217	3	514	287	44	142	44
0	189	116	0	521	305	31	271	156	17	202	143
0	189	116	0	521	305	17	343	179	0	274	190
0	189	116	3	146	95	33	263	152	45	141	98
2	115	46	0	521	217	8	439	232	0	274	85
1	139	83	3	146	95	163	83	57	60	131	90
0	189	74	0	521	217	68	178	72	26	174	52
3	103	62	1	273	175	56	201	121	28	170	119



## Part I

### The Top American Research Universities

*TheCenter* 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/ACT Range. (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, *TheCenter* includes only those institutions that had at least \$20 million in federal research expenditures in fiscal year 2002. This is the same dollar cutoff used in our last four reports.

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 and fourth 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.

- **The Top American Research Universities (1-25)** identifies the 53 institutions (26 private, 27 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 33 institutions (7 private, 26 public) that rank 26 through 50 nationally on at least one of the nine measures.

- **The Top Private Research Universities (1-25)** identifies the 36 private institutions that rank in the top 25 among all private universities on at least one of the nine measures.

- **The Top Public Research Universities (1-25)** identifies the 51 public institutions that rank in the top 25 among all public universities on at least one of the nine measures.

- **The Top Private and Public Research Universities (26-50)** identifies the 17 private and 32 public institutions that rank 26 through 50 among their private or public counterparts on at least one of the nine measures.

Many research universities rank highly both nationally and among their public or private peers, and therefore appear in more than one table. For example, of the 36 private institutions in the Top Private Research Universities (1-25) table, 26 universities also appear in the Top American Research Universities (1-25) table.

Data found in these tables may not always match the figures published by the original source. *TheCenter* 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, *TheCenter* 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.

*TheCenter* presents these tables, along with prior years' top universities, in Microsoft Excel spreadsheets on its web site <http://thecenter.ufl.edu>.

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	2002 — Total Research x \$1000	Total Research National Rank	2002 — Federal Research x \$1000	Federal Research National Rank	2003 — Endowment Assets x \$1000	Endowment National Rank
Private	Harvard University	9	0	401,367	23	336,607	10	18,849,491	1
Private	Massachusetts Institute of Technology	9	0	455,491	14	330,409	11	5,133,613	5
Private	Stanford University	9	0	538,474	8	426,620	4	8,614,000	4
Private	Columbia University	8	1	405,403	22	356,749	8	4,350,000	6
Private	Cornell University	8	1	496,123	10	270,578	17	2,854,771	16
Private	Johns Hopkins University	8	1	1,140,235	1	1,022,510	1	1,714,541	23
Private	University of Pennsylvania	8	1	522,269	9	397,587	5	3,547,473	8
Private	Duke University	8	0	441,533	16	261,356	19	3,017,261	14
Public	University of California - Berkeley	8	0	474,746	12	217,297	24	1,793,647	22
Public	University of Michigan - Ann Arbor	8	0	673,724	3	444,255	3	3,395,225	11
Private	Yale University	7	2	354,243	29	274,304	16	11,034,600	2
Private	University of Southern California	7	1	372,397	27	266,645	18	2,113,666	19
Public	University of Washington - Seattle	7	1	627,273	5	487,059	2	1,103,197	35
Public	University of Wisconsin - Madison	7	1	662,101	4	345,003	9	850,335	49
Private	Washington University in St. Louis	7	1	416,960	20	303,441	14	3,454,704	10
Public	University of California - Los Angeles	7	0	787,598	2	366,762	6	499,139	81
Public	University of Minnesota - Twin Cities	6	2	494,265	11	295,301	15	1,336,020	26
Public	University of Texas - Austin	6	1	320,966	32	219,158	23	1,640,724	24
Private	Princeton University	5	2	164,408	77	97,724	68	8,730,100	3
Public	University of California - San Diego	5	2	585,008	7	359,383	7	158,989	211
Public	University of California - San Francisco	5	1	596,965	6	327,393	12	259,465	147
Private	University of Chicago	4	5	225,264	50	183,830	33	3,221,833	12
Public	Pennsylvania State University - University Park	4	2	443,465	15	256,235	21	689,567	57
Public	University of Illinois - Urbana-Champaign	4	2	427,174	19	214,323	26	615,373	68
Private	Northwestern University	3	5	282,154	38	178,607	36	3,051,167	13
Public	Ohio State University - Columbus	3	5	432,387	18	177,883	37	1,216,574	30
Public	University of North Carolina - Chapel Hill	3	5	370,806	28	254,571	22	1,097,418	36
Public	University of Pittsburgh - Pittsburgh	3	5	400,200	24	306,913	13	1,156,618	31
Private	California Institute of Technology	3	4	220,004	52	199,944	28	1,145,216	32
Private	Emory University	3	4	271,238	39	186,083	32	4,019,766	7
Public	Texas A&M University	3	4	436,681	17	163,488	43	3,525,114	9
Public	University of Florida	3	4	386,316	26	167,108	41	585,695	72
Private	New York University	2	6	222,978	51	149,995	47	1,244,600	29
Public	University of Arizona	2	5	390,827	25	211,772	27	297,745	130
Public	University of Virginia	2	5	182,340	68	152,358	45	1,800,882	21
Public	University of California - Davis	2	4	456,653	13	176,644	38	58,838	392
Private	Baylor College of Medicine	2	3	411,924	21	259,475	20	833,644	50
Private	Brown University	2	2	109,482	102	68,215	97	1,461,327	25
Private	Dartmouth College	2	1	126,839	93	87,255	75	2,121,183	18
Private	Rice University	2	1	48,169	151	39,739	128	2,937,649	15
Private	Vanderbilt University	1	5	208,305	58	172,858	39	2,019,139	20
Public	Michigan State University	1	4	289,787	34	122,595	55	592,004	70
Public	Purdue University - West Lafayette	1	4	285,778	36	107,477	64	1,017,667	40
Public	University of Colorado - Boulder	1	4	219,900	53	190,661	31	193,468	183
Public	University of Maryland - College Park	1	4	324,980	31	194,095	30	289,615	133
Private	Boston University	1	3	192,612	62	171,438	40	620,300	67
Private	Rockefeller University	1	3	166,603	76	67,559	98	1,278,100	28
Private	University of Notre Dame	1	2	52,371	145	33,285	138	2,573,346	17
Public	University of Alabama - Birmingham	1	1	255,053	45	216,221	25	242,125	156
Public	University of Georgia	1	1	284,660	37	78,086	87	397,082	106
Private	Yeshiva University	1	1	157,124	82	114,268	60	914,130	45
Public	University of Arkansas - Fayetteville	1	0	83,063	122	27,588	156	493,775	84
Public	University of California - Santa Barbara	1	0	131,795	90	78,370	85	88,346	326

Support		Faculty				Advanced Training				Undergraduate	
2003 — Annual Giving x \$1000	Giving National Rank	2003 — National Academy Members	National Academy National Rank	2003 — Faculty Awards	Faculty Awards National Rank	2003 — Doctorates Granted	Doctorates National Rank	2002 — Postdoctoral Appointees	Postdocs National Rank	2002 — SAT Range (V; Q) or ACT Range	SAT National Rank
555,639	1	264	1	54	1	548	13	3698	1	700-790; 700-780	3
191,463	21	234	3	23	21	440	19	986	6	680-760; 740-800	2
486,075	2	249	2	44	2	611	7	1214	4	660-760; 690-780	7
281,498	13	84	11	36	10	433	21	302	45	660-760; 660-750	15
356,201	4	80	12	32	12	436	20	764	12	620-720; 660-750	27
319,547	6	65	16	32	12	364	31	1301	3	620-730; 660-760	23
399,641	3	89	8	23	21	385	27	976	7	650-740; 680-760	15
296,827	11	50	21	29	15	253	52	665	16	650-740; 670-770	15
190,710	22	201	4	44	2	772	1	859	10	570-700; 610-740	65
180,217	24	73	14	39	6	617	5	735	14	570-670; 610-720	78
222,089	18	104	5	35	11	317	37	1131	5	680-780; 690-780	5
305,982	10	38	25	23	21	559	12	543	22	600-700; 640-720	53
311,251	8	77	13	38	7	493	15	972	8	510-630; 550-660	229
286,915	12	70	15	44	2	656	4	461	24	560-680; 590-710	92
110,230	39	39	24	29	15	207	68	620	17	640-730; 670-750	20
319,463	7	64	17	37	8	596	8	1351	2	550-670; 590-720	100
244,851	15	38	25	14	43	560	11	749	13	540-660; 550-670	159
309,484	9	55	18	23	21	674	3	214	64	540-650; 570-680	144
227,532	16	86	9	27	19	260	49	348	36	680-770; 700-790	4
138,589	30	95	7	37	8	279	42	902	9	560-660; 610-710	92
225,597	17	85	10	29	15	80	156	430	28	NA	
163,592	28	52	20	25	20	332	35	392	31	660-750; 650-750	19
121,480	35	28	33	29	15	503	14	266	54	530-630; 560-670	191
114,229	37	55	18	40	5	617	5	279	51	550-670; 600-720	92
176,111	26	37	27	30	14	370	30	156	78	640-730; 660-750	22
195,759	20	18	47	17	36	575	10	331	38	520-620; 540-650	241
163,622	27	37	27	19	30	412	24	574	19	580-680; 600-690	87
94,545	45	22	40	13	50	348	33	548	21	540-640; 560-650	191
124,443	32	96	6	21	27	137	102	527	23	710-780; 760-800	1
123,528	33	13	56	14	43	154	90	452	25	640-720; 660-740	25
142,310	29	17	50	10	67	442	17	281	50	520-630; 550-660	218
176,689	25	17	50	19	30	591	9	568	20	550-660; 580-680	128
207,932	19	31	29	14	43	411	25	326	40	620-710; 630-720	47
185,430	23	29	30	19	30	378	28	409	29	490-600; 500-620	436
261,922	14	22	40	17	36	337	34	379	32	600-700; 620-720	60
64,664	63	29	30	21	27	373	29	578	18	510-630; 560-670	205
47,971	88	15	54	13	50	60	192	365	34	NA	
82,663	50	17	50	11	58	143	98	94	108	640-750; 650-750	20
90,371	48	11	62	12	55	67	180	138	81	650-750; 680-770	10
57,930	73	19	45	7	85	107	125	127	89	650-750; 670-770	12
98,800	44	17	50	19	30	189	71	439	27	610-700; 640-720	51
118,659	36	8	74	14	43	442	17	377	33	490-610; 520-640	350
103,445	40	13	56	13	50	463	16	237	57	500-610; 530-660	292
39,600	114	24	37	19	30	303	38	680	15	520-620; 540-640	256
78,619	55	21	43	22	26	418	22	244	56	570-670; 600-700	92
103,360	41	13	56	23	21	270	46	78	117	590-680; 610-690	78
54,043	80	45	22	16	39	34	260	334	37	NA	
113,887	38	2	115	9	74	135	105	134	83	620-720; 650-730	35
51,704	83	7	77	10	67	155	89	230	59	19-25	759
59,073	71	8	74	6	98	414	23	180	72	550-650; 560-650	173
NR		10	67	7	85	125	111	828	11	590-690; 580-680	92
333,049	5	2	115	4	122	120	117	42	144	510-640; 520-650	256
62,017	67	42	23	11	58	251	53	187	69	510-620; 550-660	237



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	2002 — Total Research x \$1000	Total Research National Rank	2002 — Federal Research x \$1000	Federal Research National Rank	2003 — Endowment Assets x \$1000	Endowment National Rank
Public	Georgia Institute of Technology	6	340,347	30	165,680	42	1,021,481	39
Public	University of Iowa	6	288,808	35	180,743	35	638,996	64
Public	North Carolina State University	5	290,018	33	75,204	92	289,060	134
Private	University of Rochester	5	261,601	43	195,298	29	1,127,350	33
Public	University of Texas SW Medical Center - Dallas	5	263,958	41	155,258	44	656,221	60
Private	Case Western Reserve University	4	219,042	54	181,888	34	1,289,274	27
Public	Rutgers the State University of NJ - New Brunswick	4	230,358	49	81,172	80	366,324	111
Public	University of Illinois - Chicago	4	259,852	44	143,183	49	117,645	268
Public	University of Utah	4	216,707	56	142,625	50	333,253	122
Public	University at Buffalo	3	239,735	46	128,842	53	378,385	108
Public	Arizona State University - Tempe	2	123,016	95	64,407	102	221,179	169
Private	Carnegie Mellon University	2	188,191	64	137,967	51	654,678	61
Private	Georgetown University	2	96,450	114	87,087	76	591,042	71
Public	Stony Brook University	2	184,045	67	108,122	63	43,699	463
Private	Tufts University	2	109,291	104	73,236	93	669,286	58
Public	University of California - Irvine	2	209,469	57	115,548	59	123,706	257
Public	University of Cincinnati - Cincinnati	2	217,739	55	150,166	46	873,327	47
Public	University of Missouri - Columbia	2	177,011	72	77,742	88	433,936	92
Public	University of Tennessee - Knoxville	2	185,437	65	88,167	74	444,146	90
Public	University of Texas MD Anderson Cancer Center	2	262,145	42	117,633	57	205,089	177
Public	Virginia Polytechnic Institute and State University	2	232,560	48	82,976	79	331,311	123
Private	Boston College	1	31,754	183	22,827	169	968,511	43
Public	Florida State University	1	134,351	87	70,456	95	333,750	121
Public	Indiana University - Bloomington	1	119,632	97	53,104	108	489,355	85
Public	Indiana University-Purdue University - Indianapolis	1	179,448	69	79,655	81	423,481	93
Public	University of Colorado Health Sciences Center	1	175,920	73	146,400	48	119,950	264
Public	University of Delaware	1	85,157	120	48,183	115	868,065	48
Public	University of Kentucky	1	236,275	47	100,426	66	412,308	97
Public	University of Maryland - Baltimore	1	266,822	40	117,017	58	135,757	240
Public	University of Massachusetts - Amherst	1	109,332	103	54,770	106	66,746	372
Public	University of Massachusetts Medical Sch - Worcester	1	132,729	88	93,992	70	37,652	502
Private	University of Miami	1	171,319	75	121,171	56	411,618	99
Public	University of Nebraska - Lincoln	1	171,431	74	51,405	111	581,789	73

Support		Faculty				Advanced Training				Undergraduate	
2003 — Annual Giving x \$1000	Giving National Rank	2003 — National Academy Members	National Academy National Rank	2003 — Faculty Awards	Faculty Awards National Rank	2003 — Doctorates Granted	Doctorates National Rank	2002 — Postdoctoral Appointees	Postdocs National Rank	2002 — SAT Range (V; Q) or ACT Range	SAT National Rank
74,369	56	27	34	20	29	225	62	34	155	600-690; 650-740	47
93,017	46	18	47	14	43	249	54	360	35	520-650; 540-660	205
122,748	34	18	47	7	85	322	36	301	46	530-630; 560-670	191
59,430	68	22	40	11	58	193	70	296	47	590-690; 620-720	65
82,654	51	26	35	13	50	42	237	318	43	NA	
79,032	54	19	45	9	74	179	77	322	41	590-710; 630-730	53
79,793	52	29	30	13	50	358	32	135	82	520-630; 550-670	205
47,036	90	5	86	14	43	225	62	292	49	20-25	657
137,345	31	21	43	19	30	225	62	262	55	20-28	403
32,856	130	5	86	10	67	269	47	330	39	500-600; 520-630	366
59,275	70	6	80	17	36	300	39	105	100	NR	
43,377	97	23	38	10	67	164	82	168	73	590-700; 680-770	29
83,449	49	6	80	10	67	88	144	62	129	640-730; 640-730	29
79,484	53	13	56	15	40	298	40	229	61	500-590; 550-650	304
70,069	60	5	86	7	85	85	150	407	30	610-710; 640-720	47
53,226	81	25	36	11	58	188	72	320	42	510-620; 560-670	218
51,491	84	5	86	12	55	237	57	222	63	460-590; 460-610	622
64,708	62	5	86	14	43	274	43	157	77	24-29	177
102,016	42	1	139	1	273	262	48	131	86	500-600; 500-610	436
63,133	64	1	139	1	273	NR		451	26	NA	
54,284	79	12	61	8	79	272	44	104	102	530-630; 550-660	205
54,716	78	2	115	6	98	143	98	39	148	600-690; 620-710	65
62,898	65	5	86	8	79	290	41	104	102	520-620; 520-620	318
49,283	86	11	62	11	58	389	26	150	79	490-600; 500-610	458
99,336	43	6	80	4	122	24	299	225	62	430-550; 440-550	1036
42,570	104	11	62	9	74	41	239	267	53	NA	
33,597	128	9	71	5	107	135	105	134	83	530-620; 550-650	229
54,808	77	3	103	11	58	208	67	230	59	500-620; 510-630	350
43,276	100	9	71	0	521	70	171	183	70	NA	
30,817	136	7	77	15	40	213	65	142	80	500-620; 510-630	350
NR		2	115	7	85	24	299	304	44	NA	
92,770	47	2	115	7	85	127	108	115	94	590-650; 570-670	118
55,578	75	3	103	2	194	254	50	108	97	500-640; 520-660	256

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 Among Privates	Number of Measures in Top 26-50 Among Privates	2002 — Total Research x \$1000	Total Research Control Rank	2002 — Federal Research x \$1000	Federal Research Control Rank	2003 — Endowment Assets x \$1000	Endowment Control Rank
Columbia University	9	0	405,403	9	356,749	4	4,350,000	6
Duke University	9	0	441,533	6	261,356	11	3,017,261	12
Harvard University	9	0	401,367	10	336,607	5	18,849,491	1
Johns Hopkins University	9	0	1,140,235	1	1,022,510	1	1,714,541	19
Massachusetts Institute of Technology	9	0	455,491	5	330,409	6	5,133,613	5
Stanford University	9	0	538,474	2	426,620	2	8,614,000	4
University of Chicago	9	0	225,264	16	183,830	16	3,221,833	10
University of Pennsylvania	9	0	522,269	3	397,587	3	3,547,473	8
Washington University in St. Louis	9	0	416,960	7	303,441	7	3,454,704	9
Yale University	9	0	354,243	12	274,304	8	11,034,600	2
California Institute of Technology	8	1	220,004	18	199,944	13	1,145,216	24
Cornell University	8	1	496,123	4	270,578	9	2,854,771	14
New York University	8	1	222,978	17	149,995	21	1,244,600	23
Northwestern University	8	1	282,154	13	178,607	18	3,051,167	11
Vanderbilt University	8	1	208,305	20	172,858	19	2,019,139	18
University of Southern California	8	0	372,397	11	266,645	10	2,113,666	17
Emory University	7	2	271,238	14	186,083	15	4,019,766	7
Princeton University	7	2	164,408	26	97,724	26	8,730,100	3
Case Western Reserve University	7	1	219,042	19	181,888	17	1,289,274	21
University of Rochester	7	1	261,601	15	195,298	14	1,127,350	25
Brown University	5	4	109,482	30	68,215	34	1,461,327	20
Boston University	5	3	192,612	21	171,438	20	620,300	49
Baylor College of Medicine	5	2	411,924	8	259,475	12	833,644	35
Rockefeller University	5	2	166,603	25	67,559	35	1,278,100	22
Dartmouth College	4	4	126,839	28	87,255	28	2,121,183	16
Carnegie Mellon University	3	6	188,191	22	137,967	22	654,678	44
Rice University	3	6	48,169	41	39,739	40	2,937,649	13
University of Miami	3	4	171,319	24	121,171	24	411,618	66
University of Notre Dame	2	7	52,371	39	33,285	43	2,573,346	15
Yeshiva University	2	5	157,124	27	114,268	25	914,130	33
Mount Sinai School of Medicine	2	1	185,335	23	125,979	23	NR	
George Washington University	1	7	86,288	37	58,729	37	634,100	47
Tufts University	1	7	109,291	31	73,236	33	669,286	42
Georgetown University	1	6	96,450	36	87,087	29	591,042	51
Loyola University Chicago	1	3	37,607	49	27,678	48	192,100	117
Thomas Jefferson University	1	3	102,974	33	79,217	30	NR	

Support		Faculty				Advanced Training				Undergraduate	
2003 — Annual Giving x \$1000	Giving Control Rank	2003 — National Academy Members	National Academy Control Rank	2003 — Faculty Awards	Faculty Awards Control Rank	2003 — Doctorates Granted	Doctorates Control Rank	2002 — Postdoctoral Appointees	Postdocs Control Rank	2002 — SAT Range (V; Q) or ACT Range	SAT Control Rank
281,498	8	84	8	36	3	433	7	302	22	660-760; 660-750	15
296,827	7	50	12	29	8	253	17	665	9	650-740; 670-770	15
555,639	1	264	1	54	1	548	4	3698	1	700-790; 700-780	3
319,547	5	65	10	32	5	364	11	1301	2	620-730; 660-760	23
191,463	12	234	3	23	12	440	5	986	5	680-760; 740-800	2
486,075	2	249	2	44	2	611	2	1214	3	660-760; 690-780	7
163,592	14	52	11	25	11	332	12	392	16	660-750; 650-750	19
399,641	3	89	6	23	12	385	9	976	6	650-740; 680-760	15
110,230	18	39	14	29	8	207	20	620	10	640-730; 670-750	20
222,089	10	104	4	35	4	317	13	1131	4	680-780; 690-780	5
124,443	15	96	5	21	16	137	33	527	12	710-780; 760-800	1
356,201	4	80	9	32	5	436	6	764	8	620-720; 660-750	27
207,932	11	31	17	14	20	411	8	326	20	620-710; 630-720	46
176,111	13	37	16	30	7	370	10	156	27	640-730; 660-750	22
98,800	20	17	23	19	17	189	22	439	14	610-700; 640-720	49
305,982	6	38	15	23	12	559	3	543	11	600-700; 640-720	51
123,528	16	13	27	14	20	154	28	452	13	640-720; 660-740	25
227,532	9	86	7	27	10	260	15	348	18	680-770; 700-790	4
79,032	25	19	21	9	30	179	24	322	21	590-710; 630-730	51
59,430	29	22	20	11	24	193	21	296	23	590-690; 620-720	61
82,663	24	17	23	11	24	143	31	94	34	640-750; 650-750	20
103,360	19	13	27	23	12	270	14	78	38	590-680; 610-690	72
47,971	39	15	25	13	22	60	78	365	17	NA	
54,043	36	45	13	16	18	34	109	334	19	NA	
90,371	22	11	30	12	23	67	73	138	28	650-750; 680-770	10
43,377	40	23	18	10	26	164	26	168	26	590-700; 680-770	29
57,930	32	19	21	7	33	107	43	127	30	650-750; 670-770	12
92,770	21	2	46	7	33	127	37	115	31	590-650; 570-670	102
113,887	17	2	46	9	30	135	36	134	29	620-720; 650-730	35
NR		10	32	7	33	125	38	828	7	590-690; 580-680	84
NR		10	32	1	99	27	125	0	85	NA	
59,344	30	4	38	10	26	228	19	50	43	580-680; 590-680	87
70,069	28	5	36	7	33	85	59	407	15	610-710; 640-720	46
83,449	23	6	34	10	26	88	55	62	41	640-730; 640-730	29
23,782	72	0	74	3	52	166	25	86	35	520-630; 520-640	212
15,548	113	5	36	2	68	18	161	203	25	NA	

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 Among Publics	Number of Measures in Top 26-50 Among Publics	2002 — Total Research x \$1000	Total Research Control Rank	2002 — Federal Research x \$1000	Federal Research Control Rank	2003 — Endowment Assets x \$1000	Endowment Control Rank
University of California - Berkeley	9	0	474,746	8	217,297	12	1,793,647	4
University of California - Los Angeles	9	0	787,598	1	366,762	3	499,139	24
University of Michigan - Ann Arbor	9	0	673,724	2	444,255	2	3,395,225	2
University of North Carolina - Chapel Hill	9	0	370,806	17	254,571	10	1,097,418	10
University of Wisconsin - Madison	9	0	662,101	3	345,003	5	850,335	15
University of Florida	8	1	386,316	16	167,108	21	585,695	21
University of Illinois - Urbana-Champaign	8	1	427,174	13	214,323	14	615,373	19
University of Minnesota - Twin Cities	8	1	494,265	7	295,301	8	1,336,020	6
University of Texas - Austin	8	1	320,966	20	219,158	11	1,640,724	5
University of Virginia	8	1	182,340	45	152,358	25	1,800,882	3
Ohio State University - Columbus	8	0	432,387	12	177,883	19	1,216,574	7
University of Washington - Seattle	8	0	627,273	4	487,059	1	1,103,197	9
Pennsylvania State University - University Park	7	2	443,465	10	256,235	9	689,567	16
University of Pittsburgh - Pittsburgh	7	2	400,200	14	306,913	7	1,156,618	8
University of Arizona	7	1	390,827	15	211,772	15	297,745	45
University of California - San Diego	7	1	585,008	6	359,383	4	158,989	78
University of Iowa	6	3	288,808	23	180,743	18	638,996	18
University of Maryland - College Park	6	3	324,980	19	194,095	16	289,615	46
Georgia Institute of Technology	6	2	340,347	18	165,680	22	1,021,481	11
Michigan State University	6	2	289,787	22	122,595	32	592,004	20
University of California - Davis	6	2	456,653	9	176,644	20	58,838	132
University of California - San Francisco	6	0	596,965	5	327,393	6	259,465	51
Texas A&M University	5	4	436,681	11	163,488	23	3,525,114	1
North Carolina State University	5	2	290,018	21	75,204	60	289,060	47
University of Colorado - Boulder	5	1	219,900	35	190,661	17	193,468	69
Purdue University - West Lafayette	4	4	285,778	24	107,477	39	1,017,667	12
University of Texas SW Medical Center - Dallas	4	3	263,958	27	155,258	24	656,221	17
University of Utah	3	5	216,707	37	142,625	29	333,253	41
University of California - Irvine	2	6	209,469	38	115,548	35	123,706	96
Rutgers the State University of NJ - New Brunswick	2	5	230,358	34	81,172	51	366,324	36
University of Georgia	2	5	284,660	25	78,086	56	397,082	34
University of Illinois - Chicago	2	3	259,852	29	143,183	28	117,645	99
Stony Brook University	1	6	184,045	44	108,122	38	43,699	154
University of Cincinnati - Cincinnati	1	6	217,739	36	150,166	26	873,327	13
University at Buffalo	1	5	239,735	31	128,842	31	378,385	35
University of Alabama - Birmingham	1	5	255,053	30	216,221	13	242,125	55
University of Missouri - Columbia	1	5	177,011	49	77,742	57	433,936	30
Indiana University - Bloomington	1	4	119,632	69	53,104	71	489,355	27
Indiana University-Purdue University - Indianapolis	1	4	179,448	46	79,655	52	423,481	31
University of California - Santa Barbara	1	4	131,795	63	78,370	54	88,346	117
University of Tennessee - Knoxville	1	4	185,437	43	88,167	47	444,146	29
Arizona State University - Tempe	1	3	123,016	67	64,407	66	221,179	62
University of Texas MD Anderson Cancer Center	1	3	262,145	28	117,633	33	205,089	65
Washington State University - Pullman	1	3	138,726	57	55,593	68	495,623	25
University of Kansas - Lawrence	1	2	103,451	77	49,184	77	572,938	23
University of Massachusetts - Amherst	1	2	109,332	73	54,770	69	66,746	127
University of Nebraska - Lincoln	1	2	171,431	51	51,405	74	581,789	22
University of Arkansas - Fayetteville	1	1	83,063	85	27,588	108	493,775	26
University of Delaware	1	1	85,157	83	48,183	78	868,065	14
University of Massachusetts Medical Sch - Worcester	1	1	132,729	61	93,992	44	37,652	170
Clemson University	1	0	134,840	59	47,174	79	213,448	63

Support		Faculty				Advanced Training				Undergraduate	
2003 — Annual Giving x \$1000	Giving Control Rank	2003 — National Academy Members	National Academy Control Rank	2003 — Faculty Awards	Faculty Awards Control Rank	2003 — Doctorates Granted	Doctorates Control Rank	2002 — Postdoctoral Appointees	Postdocs Control Rank	2002 — SAT Range (V; Q) or ACT Range	SAT Control Rank
190,710	10	201	1	44	1	772	1	859	4	570-700; 610-740	5
319,463	2	64	7	37	6	596	6	1351	1	550-670; 590-720	14
180,217	12	73	5	39	4	617	4	735	6	570-670; 610-720	7
163,622	14	37	12	19	14	412	17	574	9	580-680; 600-690	8
286,915	5	70	6	44	1	656	3	461	12	560-680; 590-710	9
176,689	13	17	28	19	14	591	7	568	10	550-660; 580-680	19
114,229	21	55	8	40	3	617	4	279	27	550-670; 600-720	9
244,851	7	38	11	14	24	560	9	749	5	540-660; 550-670	30
309,484	4	55	8	23	10	674	2	214	40	540-650; 570-680	23
261,922	6	22	21	17	19	337	23	379	16	600-700; 620-720	3
195,759	9	18	25	17	19	575	8	331	19	520-620; 540-650	56
311,251	3	77	4	38	5	493	11	972	2	510-630; 550-660	52
121,480	19	28	16	29	8	503	10	266	30	530-630; 560-670	41
94,545	25	22	21	13	29	348	22	548	11	540-640; 560-650	41
185,430	11	29	13	19	14	378	19	409	15	490-600; 500-620	102
138,589	16	95	2	37	6	279	29	902	3	560-660; 610-710	9
93,017	26	18	25	14	24	249	37	360	18	520-650; 540-660	45
78,619	30	21	23	22	11	418	15	244	32	570-670; 600-700	9
74,369	31	27	17	20	13	225	43	34	109	600-690; 650-740	2
118,659	20	8	41	14	24	442	13	377	17	490-610; 520-640	78
64,664	35	29	13	21	12	373	20	578	8	510-630; 560-670	45
225,597	8	85	3	29	8	80	97	430	14	NA	
142,310	15	17	28	10	42	442	13	281	26	520-630; 550-660	50
122,748	18	18	25	7	53	322	24	301	24	530-630; 560-670	41
39,600	70	24	20	19	14	303	25	680	7	520-620; 540-640	59
103,445	22	13	30	13	29	463	12	237	33	500-610; 530-660	65
82,654	27	26	18	13	29	42	135	318	22	NA	
137,345	17	21	23	19	14	225	43	262	31	20-28	91
53,226	45	25	19	11	35	188	50	320	21	510-620; 560-670	50
79,793	28	29	13	13	29	358	21	135	54	520-630; 550-670	45
59,073	41	8	41	6	61	414	16	180	47	550-650; 560-650	35
47,036	51	5	51	14	24	225	43	292	25	20-25	174
79,484	29	13	30	15	22	298	27	229	37	500-590; 550-650	68
51,491	47	5	51	12	33	237	39	222	39	460-590; 460-610	161
32,856	80	5	51	10	42	269	33	330	20	500-600; 520-630	84
51,704	46	7	44	10	42	155	62	230	35	19-25	218
64,708	34	5	51	14	24	274	30	157	51	24-29	38
49,283	48	11	33	11	35	389	18	150	52	490-600; 500-610	110
99,336	24	6	47	4	79	24	167	225	38	430-550; 440-550	335
62,017	39	42	10	11	35	251	36	187	44	510-620; 550-660	54
102,016	23	1	83	1	175	262	34	131	57	500-600; 500-610	102
59,275	40	6	47	17	19	300	26	105	69	NR	
63,133	36	1	83	1	175	0	236	451	13	NA	
45,420	54	8	41	11	35	126	72	161	49	470-580; 480-590	161
70,567	32	5	51	7	53	232	42	131	57	21-27	91
30,817	84	7	44	15	22	213	46	142	53	500-620; 510-630	78
55,578	42	3	62	2	127	254	35	108	66	500-640; 520-660	59
333,049	1	2	70	4	79	120	76	42	100	510-640; 520-650	59
33,597	79	9	38	5	68	135	70	134	55	530-620; 550-650	52
NR		2	70	7	53	24	167	304	23	NA	
37,234	75	1	83	5	68	116	78	40	102	540-640; 590-670	23

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 Among Privates	2002 — Total Research x \$1000	Total Research Control Rank	2002 — Federal Research x \$1000	Federal Research Control Rank	2003 — Endowment Assets x \$1000	Endowment Control Rank
Syracuse University	8	45,870	45	32,704	44	656,893	43
Tulane University	8	102,998	32	64,824	36	633,740	48
Rensselaer Polytechnic Institute	7	45,955	44	26,490	50	510,883	57
Wake Forest University	7	111,634	29	91,738	27	725,155	39
Boston College	6	31,754	52	22,827	52	968,511	31
Brandeis University	6	47,122	42	29,006	47	407,824	68
Drexel University	6	44,465	46	30,232	46	349,948	79
Saint Louis University - St. Louis	5	35,444	50	31,215	45	645,382	45
Rush University	4	79,394	38	44,756	38	293,326	87
Woods Hole Oceanographic Institution	4	99,964	34	78,458	31	269,300	93
Charles R. Drew University of Medicine and Science	3	48,839	40	39,259	41	NR	
Medical College of Wisconsin	3	96,700	35	76,241	32	55,963	266
Howard University	2	35,387	51	33,949	42	317,110	83
MCP Hahnemann University	2	37,945	48	26,619	49	NR	
University of Dayton	2	46,554	43	40,191	39	258,064	97
Meharry Medical College	1	20,508	60	20,453	54	30,907	360
Northeastern University	1	38,540	47	24,295	51	410,691	67

### Top Public Research Universities (26-50)

Iowa State University	8	188,664	42	71,419	61	339,330	39
Virginia Polytechnic Institute and State University	8	232,560	33	82,976	50	331,311	42
University of Kentucky	7	236,275	32	100,426	41	412,308	32
University of Colorado Health Sciences Center	5	175,920	50	146,400	27	119,950	98
Colorado State University	4	178,845	47	112,650	36	103,797	105
Florida State University	4	134,351	60	70,456	62	333,750	40
University of Maryland - Baltimore	4	266,822	26	117,017	34	135,757	89
Wayne State University	4	199,007	39	95,910	43	147,845	84
Louisiana State University - Baton Rouge	3	197,993	40	52,784	72	227,232	60
Oregon Health & Science University	3	158,729	54	130,231	30	249,603	52
University of Houston - University Park	3	59,707	104	31,455	101	280,399	48
University of Medicine & Dentistry of New Jersey	3	178,156	48	90,235	46	157,397	80
University of Oklahoma - Norman	3	106,705	76	37,470	91	412,068	33
University of Oregon	3	43,723	117	37,177	92	234,823	58
University of South Florida	3	197,894	41	84,108	48	248,656	53
University of California - Riverside	2	111,936	71	32,305	97	63,886	129
University of Hawaii - Manoa	2	161,823	52	110,882	37	141,463	86
University of Mississippi - Oxford	2	47,894	111	38,671	90	273,477	50
University of South Carolina - Columbia	2	123,108	66	53,403	70	312,548	43
University of Texas Health Science Ctr - San Antonio	2	129,616	64	83,761	49	246,573	54
University of Texas Medical Branch - Galveston	2	129,534	65	78,100	55	306,674	44
Medical University of South Carolina	1	132,030	62	75,803	59	69,950	126
Oregon State University	1	161,735	53	91,683	45	235,863	57
University of Alabama - Tuscaloosa	1	37,130	123	26,900	110	342,107	38
University of California - Santa Cruz	1	70,967	92	32,901	96	74,643	122
University of Connecticut - Storrs	1	96,322	79	52,263	73	112,468	100
University of Louisville	1	80,974	86	38,978	89	475,193	28
University of Maryland - Baltimore County	1	36,323	125	29,376	105	13,576	239
University of New Mexico - Albuquerque	1	150,598	56	104,252	40	201,486	66
University of Texas Health Science Center - Houston	1	138,380	58	98,676	42	99,139	109
Virginia Commonwealth University	1	109,619	72	65,028	65	184,017	71
West Virginia University	1	84,985	84	49,394	76	275,058	49

Support		Faculty				Advanced Training				Undergraduate	
2003 — Annual Giving x \$1000	Giving Control Rank	2003 — National Academy Members	National Academy Control Rank	2003 — Faculty Awards	Faculty Awards Control Rank	2003 — Doctorates Granted	Doctorates Control Rank	2002 — Postdoctoral Appointees	Postdocs Control Rank	2002 — SAT Range (V; Q) or ACT Range	SAT Control Rank
38,390	47	2	46	4	44	121	41	33	47	550-640; 570-660	130
51,952	37	3	42	10	26	105	45	86	35	630-710; 610-700	54
41,079	42	13	27	5	40	136	34	75	39	580-680; 640-720	61
57,212	33	2	46	4	44	35	106	96	33	600-680; 620-710	64
54,716	35	2	46	6	38	143	31	39	46	600-690; 620-710	61
72,066	26	14	26	9	30	93	51	81	37	NR	
58,019	31	4	38	4	44	108	42	0	85	520-620; 550-660	178
NR		1	57	2	68	151	29	32	48	530-640; 530-660	169
NR		3	42	1	99	33	112	41	45	NA	
23,900	71	4	38	1	99	NR		71	40	NA	
NR		2	46	0	217	0	236	0	85	NA	
8,661	204	1	57	1	99	16	168	105	32	NA	
NR		6	34	3	52	93	51	22	56	440-670; 410-660	367
NR		0	74	0	217	NR		0	85	NA	
20,407	85	0	74	0	217	21	144	0	85	500-610; 510-630	283
12,585	145	2	46	0	217	8	232	0	85	NA	
20,984	84	0	74	3	52	93	51	29	51	520-620; 540-640	198
47,365	50	10	36	8	47	238	38	203	41	510-650; 550-670	44
54,284	44	12	32	8	47	272	31	104	70	530-630; 550-660	45
54,808	43	3	62	11	35	208	48	230	35	500-620; 510-630	78
42,570	63	11	33	9	45	41	137	267	29	NA	
29,457	86	7	44	7	53	182	52	196	42	500-600; 500-610	102
62,898	37	5	51	8	47	290	28	104	70	520-620; 520-620	72
43,276	60	9	38	0	305	70	103	183	45	NA	
NR		5	51	7	53	188	50	276	28	17-24	362
38,751	72	1	83	7	53	211	47	86	79	24-29	38
42,627	61	6	47	12	33	27	163	123	62	NA	
28,519	89	11	33	5	68	203	49	109	65	450-560; 470-590	209
17,800	117	1	83	5	68	114	79	188	43	NA	
64,834	33	2	70	8	47	143	68	43	99	23-28	59
62,544	38	6	47	11	35	156	61	87	78	490-610; 490-610	110
19,502	109	1	83	8	47	153	63	124	61	470-570; 480-580	174
16,035	123	3	62	9	45	121	75	235	34	440-560; 490-620	169
21,623	104	5	51	11	35	131	71	72	83	470-570; 510-610	132
48,900	49	0	116	1	175	83	94	52	94	20-26	141
45,899	52	1	83	6	61	235	41	93	75	500-610; 510-620	86
27,775	90	1	83	8	47	25	166	131	57	NA	
39,955	69	2	70	5	68	35	147	165	48	NA	
18,101	116	2	70	2	127	35	147	183	45	NA	
29,345	87	5	51	5	68	171	55	107	67	470-580; 480-610	141
43,313	59	0	116	3	95	178	54	30	115	490-620; 490-620	91
18,169	115	9	38	4	79	104	83	113	64	500-620; 520-630	76
34,002	77	0	116	6	61	237	39	125	60	520-610; 530-630	68
32,817	81	1	83	2	127	89	88	68	85	490-620; 490-620	91
8,031	173	0	116	3	95	67	108	34	109	540-640; 570-670	30
41,043	66	3	62	3	95	162	58	76	81	510-630; 480-600	91
29,647	85	5	51	6	61	75	99	92	76	NA	
38,242	73	3	62	7	53	114	79	161	49	470-590; 460-580	174
42,117	64	0	116	0	305	150	65	31	112	460-560; 470-580	209





## Part II

### *TheCenter* Research Universities

*TheCenter's* Research Universities consist of academic institutions that had more than \$20 million in federal research expenditures in fiscal year 2002. 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. *TheCenter* 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 *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 National 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** (1998-2002)
- **Federal Research Expenditures** (1998-2002)
- **Research by Major Discipline** (2002)
- **Endowment Assets** (1999-2003)
- **Annual Giving** (1999-2003)
- **National Academy Membership** (1999-2003)
- **Faculty Awards** (1999-2003)
- **Doctorates Awarded** (1998, 2000-2003)
- **Postdoctoral Appointees** (1998-2002)
- **SAT Scores** (1998-2002) Source: The Annual Survey of Colleges of the College Board and Data Base, 2003-2004. Copyright © 2003 College Entrance Examination Board. All rights reserved.
- **National Merit and Achievement Scholars** (1999-2003)
- **Change: Research** presents trend data on total, federal, and non-federal research (1993 and 2002) in constant dollars.

- **Change: Private Support and Doctorates** provides trend data on endowment assets (1994 and 2003) and annual giving (1994 and 2003) in constant dollars, and doctorates awarded (1994 and 2003).

- **Change: Students** includes trend data on SAT scores ranges (1995 and 2002), National Merit and Achievement Scholars (1994 and 2003), and student headcount enrollment (1993 and 2002).

- **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, graduate, first-professional), part-time enrollment by level, and degrees awarded.

- **TheCenter 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 four years (2000-2003 reports).

Data found in these tables may not always match the figures published by the original source. *TheCenter* 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, *TheCenter* 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.

*TheCenter's* web site [<http://thecenter.ufl.edu>] provides these same tables in Microsoft Excel spreadsheets for ease of analysis. In addition to the over-\$20-million group, the on-line tables contain data on all institutions reporting any federal research since 1990.

<b>Total Research Expenditures</b>		2002	2002	2002	2001	2001	2001
Institutions with Over \$20 Million in Federal Research, Alphabetically		Total Research x \$1000	National Rank	Control Rank	Total Research x \$1000	National Rank	Control Rank
Public	Arizona State University - Tempe	123,016	95	67	118,763	86	59
Public	Auburn University	108,775	105	74	106,347	96	68
Private	Baylor College of Medicine	411,924	21	8	381,461	20	7
Private	Boston College	31,754	183	52	30,768	177	50
Private	Boston University	192,612	62	21	172,031	64	22
Private	Brandeis University	47,122	155	42	52,818	141	39
Private	Brown University	109,482	102	30	91,636	110	33
Private	California Institute of Technology	220,004	52	18	215,085	46	16
Private	Carnegie Mellon University	188,191	64	22	144,882	81	27
Private	Case Western Reserve University	219,042	54	19	198,253	51	17
Private	Charles R. Drew University of Medicine and Science	48,839	149	40	36,717	164	46
Public	Clemson University	134,840	86	59	123,885	84	57
Public	Colorado State University	178,845	70	47	161,144	68	46
Private	Columbia University	405,403	22	9	354,497	25	10
Private	Cornell University	496,123	10	4	443,828	12	4
Private	Dartmouth College	126,839	93	28	109,096	95	28
Public	Desert Research Institute	29,465	188	136	29,697	179	128
Private	Drexel University	44,465	162	46	27,698	187	53
Private	Duke University	441,533	16	6	375,133	21	8
Private	Emory University	271,238	39	14	236,997	40	14
Public	Florida A&M University	31,147	184	132	23,865	198	142
Public	Florida International University	47,654	154	113	44,291	150	109
Public	Florida State University	134,351	87	60	113,817	90	63
Public	George Mason University	38,849	167	121	32,881	170	123
Private	George Washington University	86,288	119	37	73,805	122	37
Private	Georgetown University	96,450	114	36	99,228	102	31
Public	Georgia Institute of Technology	340,347	30	18	306,533	29	17
Private	Harvard University	401,367	23	10	372,107	22	9
Private	Howard University	35,387	177	51	30,148	178	51
Public	Indiana University - Bloomington	119,632	97	69	103,960	98	69
Public	Indiana University-Purdue University - Indianapolis	179,448	69	46	155,939	73	51
Public	Iowa State University	188,664	63	42	179,196	60	40
Public	Jackson State University	25,445	200	147	25,663	192	137
Private	Johns Hopkins University	1,140,235	1	1	999,246	1	1
Public	Kansas State University	106,804	106	75	94,030	107	75
Private	Loma Linda University	23,996	207	55	26,451	190	54
Public	Louisiana State University - Baton Rouge	197,993	60	40	185,549	58	38
Public	Louisiana State University Health Sciences Center	64,082	136	98	59,160	137	99
Private	Loyola University Chicago	37,607	171	49	37,156	162	45
Private	Massachusetts Institute of Technology	455,491	14	5	435,495	13	5
Private	MCP Hahnemann University	37,945	170	48	32,462	171	48
Public	Medical College of Georgia	51,705	146	107	52,191	142	103
Private	Medical College of Wisconsin	96,700	113	35	83,857	117	36
Public	Medical University of South Carolina	132,030	89	62	116,687	87	60
Private	Meharry Medical College	20,508	218	60	10,268	254	71
Public	Michigan State University	289,787	34	22	265,946	35	23

2000 — Total Research x \$1000	2000 — National Rank	2000 — Control Rank	1999 — Total Research x \$1000	1999 — National Rank	1999 — Control Rank	1998 — Total Research x \$1000	1998 — National Rank	1998 — Control Rank
108,117	88	60	107,184	85	57	92,019	93	63
92,612	100	71	80,544	103	72	87,768	97	66
334,175	23	9	272,198	27	12	216,528	35	13
27,767	177	50	21,726	194	55	17,774	206	56
154,029	65	21	141,102	66	22	130,054	70	23
47,658	146	39	48,305	135	39	44,589	140	41
81,476	113	34	76,330	109	33	73,977	110	35
222,666	41	14	212,216	38	14	185,066	41	14
137,980	75	25	142,174	64	21	137,450	65	20
193,057	48	17	182,332	44	16	176,330	42	15
31,045	171	47	24,484	180	50	17,205	208	57
114,903	86	58	99,341	90	61	90,150	94	64
152,279	66	46	150,281	59	40	140,179	61	42
319,693	24	10	279,587	25	10	267,007	25	10
410,393	13	5	395,552	12	4	363,511	12	4
78,874	115	35	69,522	115	35	64,964	118	37
25,691	186	134	23,376	186	133	21,500	183	130
24,876	189	53	22,397	190	54	19,603	196	54
356,625	20	7	348,274	16	6	282,388	21	7
206,070	43	15	189,170	42	15	172,884	45	17
21,612	199	143	21,622	196	141	19,066	201	146
34,649	162	117	25,061	179	130	17,880	205	150
105,095	90	61	97,673	91	62	94,463	89	60
26,793	181	130	26,766	175	126	22,543	178	126
69,300	121	37	66,757	116	36	74,481	109	34
133,211	80	27	111,426	82	28	116,611	74	24
304,511	26	16	263,725	29	17	259,233	27	16
341,810	22	8	326,193	18	7	306,100	17	6
27,254	179	51	23,557	185	53	23,673	176	52
91,095	102	73	77,916	108	76	68,702	115	79
136,642	76	51	116,874	79	53	103,052	82	55
175,558	55	37	161,301	53	34	156,766	49	32
12,027	237	172	8,823	264	190	6,111	280	201
901,156	1	1	874,518	1	1	853,620	1	1
91,790	101	72	85,580	99	69	81,233	101	70
24,369	190	54	18,818	206	58	12,788	230	64
173,351	56	39	158,672	54	35	143,949	56	37
55,271	134	97	44,726	142	103	45,678	136	97
30,034	173	49	29,001	167	46	34,241	157	46
426,299	11	4	420,306	9	3	413,098	8	2
41,670	151	41	27,516	173	49	95,984	87	29
45,596	148	109	41,103	149	110	39,806	148	106
70,581	120	36	61,446	123	37	56,021	127	38
65,243	125	88	55,819	129	91	57,940	124	87
9,460	254	70	9,460	255	70	11,212	239	66
238,436	36	26	207,912	39	25	193,611	39	26

<b>Total Research Expenditures</b>		2002	2002	2002	2001	2001	2001
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		Total Research x \$1000	National Rank	Control Rank	Total Research x \$1000	National Rank	Control Rank
Public	Mississippi State University	158,652	81	55	146,939	79	54
Public	Montana State University - Bozeman	78,211	125	87	69,593	128	90
Private	Morehouse School of Medicine	23,956	209	56	19,670	211	57
Private	Mount Sinai School of Medicine	185,335	66	23	176,946	61	21
Public	New Jersey Institute of Technology	61,424	141	103	44,177	151	110
Public	New Mexico State University - Las Cruces	103,078	109	78	86,963	116	81
Private	New York University	222,978	51	17	190,722	55	19
Public	North Carolina State University	290,018	33	21	299,259	31	19
Public	North Dakota State University	72,105	128	90	64,882	130	92
Private	Northeastern University	38,540	168	47	34,467	167	47
Private	Northwestern University	282,154	38	13	257,933	36	13
Public	Ohio State University - Columbus	432,387	18	12	390,652	19	13
Public	Oklahoma State University - Stillwater	94,987	116	80	90,311	113	79
Public	Oregon Health & Science University	158,729	80	54	136,785	82	55
Public	Oregon State University	161,735	79	53	153,925	74	52
Public	Pennsylvania State University - Hershey Medical Ctr	49,274	148	109	45,807	148	108
Public	Pennsylvania State University - University Park	443,465	15	10	412,259	15	10
Private	Princeton University	164,408	77	26	149,411	77	24
Public	Purdue University - West Lafayette	285,778	36	24	254,917	38	25
Private	Rensselaer Polytechnic Institute	45,955	157	44	45,010	149	41
Private	Rice University	48,169	151	41	42,675	154	42
Private	Rockefeller University	166,603	76	25	145,571	80	26
Private	Rush University	79,394	124	38	70,219	126	38
Public	Rutgers the State University of NJ - New Brunswick	230,358	49	34	210,746	49	33
Private	Saint Louis University - St. Louis	35,444	176	50	32,442	173	49
Public	San Diego State University	64,302	135	97	58,332	138	100
Private	Stanford University	538,474	8	2	482,906	8	2
Public	State Univ. of New York Health Science Ctr - Brooklyn	34,981	178	127	31,626	176	127
Public	Stony Brook University	184,045	67	44	168,487	66	44
Private	Syracuse University	45,870	158	45	42,476	155	43
Public	Temple University	63,850	137	99	60,182	135	97
Public	Texas A&M University	436,681	17	11	407,041	16	11
Public	Texas A&M University System Health Sciences Center	49,636	147	108	40,859	159	115
Public	Texas Tech University	63,248	138	100	54,987	140	102
Private	Thomas Jefferson University	102,974	111	33	88,936	114	35
Private	Tufts University	109,291	104	31	105,806	97	29
Private	Tulane University	102,998	110	32	99,761	100	30
Public	University at Albany	67,493	132	94	70,119	127	89
Public	University at Buffalo	239,735	46	31	186,829	56	37
Public	University of Alabama - Birmingham	255,053	45	30	231,702	43	28
Public	University of Alabama - Huntsville	48,353	150	110	43,731	152	111
Public	University of Alabama - Tuscaloosa	37,130	172	123	33,133	169	122
Public	University of Alaska - Fairbanks	116,279	98	70	110,195	93	66
Public	University of Arizona	390,827	25	15	367,128	23	14
Public	University of Arkansas - Fayetteville	83,063	122	85	78,303	119	83
Public	University of Arkansas for Medical Sciences	45,046	160	115	51,921	143	104

2000 — Total Research x \$1000	2000 — National Rank	2000 — Control Rank	1999 — Total Research x \$1000	1999 — National Rank	1999 — Control Rank	1998 — Total Research x \$1000	1998 — National Rank	1998 — Control Rank
132,503	81	54	110,896	84	56	100,410	84	57
65,324	124	87	55,475	131	93	52,292	130	91
16,889	218	60	13,622	227	62	13,614	225	62
149,846	67	22	127,765	73	24	109,448	78	27
47,895	145	107	40,982	151	111	40,982	146	104
79,695	114	80	79,877	104	73	77,370	104	73
182,205	53	18	167,179	49	18	156,452	50	18
277,946	30	18	270,621	28	16	254,254	28	17
50,063	140	102	44,696	143	104	40,007	147	105
35,340	160	45	30,209	166	45	26,385	170	50
245,774	35	13	233,809	35	13	223,235	32	12
361,399	19	13	322,810	19	12	301,518	19	13
88,285	106	75	83,108	100	70	71,466	112	77
131,486	82	55	120,429	78	52	109,374	79	52
140,751	72	50	139,285	69	46	138,240	64	45
55,585	133	96	45,528	141	102	43,517	141	100
371,990	16	11	333,874	17	11	319,126	16	11
134,875	78	26	124,237	75	25	115,996	75	25
234,536	38	24	226,411	37	24	216,479	36	23
40,762	153	42	39,034	154	42	38,560	151	43
41,840	150	40	41,069	150	40	41,067	145	42
124,138	83	28	121,519	77	26	115,494	76	26
68,189	122	38	60,957	124	38	55,277	128	39
200,489	45	30	190,316	41	27	175,377	43	28
31,002	172	48	27,817	172	48	26,943	168	49
55,002	135	98	45,579	140	101	41,915	144	103
454,780	8	2	426,549	8	2	410,309	9	3
31,626	168	122	28,840	169	123	27,517	167	119
163,307	60	41	148,982	62	42	141,766	59	40
40,063	154	43	39,640	153	41	37,322	154	45
52,466	138	100	53,940	133	95	63,024	119	82
397,268	14	9	402,203	11	8	393,720	10	7
25,736	185	135	NA			NA		
53,897	137	85	46,206	139	100	41,970	143	102
89,626	105	31	78,410	107	32	69,460	114	36
105,783	89	29	100,872	89	29	92,130	92	30
89,785	104	30	87,324	97	30	87,858	96	31
82,792	111	79	64,278	117	81	50,568	132	93
187,692	51	34	166,823	50	32	151,650	53	35
233,461	39	25	232,115	36	23	227,720	31	20
41,274	152	111	40,203	152	112	36,946	155	110
31,847	167	121	28,909	168	122	23,935	175	124
102,500	95	66	88,825	95	66	75,606	106	74
345,090	21	14	320,245	20	13	302,328	18	12
70,817	119	84	61,585	122	86	71,686	111	76
49,074	142	104	44,066	145	106	39,487	149	107

<b>Total Research Expenditures</b>		2002	2002	2002	2001	2001	2001
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		Total Research x \$1000	National Rank	Control Rank	Total Research x \$1000	National Rank	Control Rank
Public	University of California - Berkeley	474,746	12	8	446,273	11	8
Public	University of California - Davis	456,653	13	9	432,396	14	9
Public	University of California - Irvine	209,469	57	38	179,866	59	39
Public	University of California - Los Angeles	787,598	2	1	693,801	2	1
Public	University of California - Riverside	111,936	99	71	94,455	106	74
Public	University of California - San Diego	585,008	7	6	556,533	6	5
Public	University of California - San Francisco	596,965	6	5	524,975	7	6
Public	University of California - Santa Barbara	131,795	90	63	116,372	88	61
Public	University of California - Santa Cruz	70,967	130	92	64,253	131	93
Public	University of Central Florida	66,351	134	96	79,287	118	82
Private	University of Chicago	225,264	50	16	194,125	53	18
Public	University of Cincinnati - Cincinnati	217,739	55	36	192,895	54	36
Public	University of Colorado - Boulder	219,900	53	35	201,010	50	34
Public	University of Colorado Health Sciences Center	175,920	73	50	160,808	69	47
Public	University of Connecticut - Health Center	75,681	127	89	72,321	124	87
Public	University of Connecticut - Storrs	96,322	115	79	92,045	109	77
Private	University of Dayton	46,554	156	43	41,343	157	44
Public	University of Delaware	85,157	120	83	77,491	120	84
Public	University of Florida	386,316	26	16	359,312	24	15
Public	University of Georgia	284,660	37	25	272,298	33	21
Public	University of Hawaii - Manoa	161,823	78	52	156,976	71	49
Public	University of Houston - University Park	59,707	142	104	51,567	144	105
Public	University of Idaho	76,758	126	88	67,496	129	91
Public	University of Illinois - Chicago	259,852	44	29	233,098	42	27
Public	University of Illinois - Urbana-Champaign	427,174	19	13	390,863	18	12
Public	University of Iowa	288,808	35	23	255,348	37	24
Public	University of Kansas - Lawrence	103,451	108	77	93,880	108	76
Public	University of Kansas Medical Center	68,680	131	93	62,587	133	95
Public	University of Kentucky	236,275	47	32	211,721	48	32
Public	University of Louisville	80,974	123	86	72,857	123	86
Public	University of Maine - Orono	62,149	140	102	64,070	132	94
Public	University of Maryland - Baltimore	266,822	40	26	239,007	39	26
Public	University of Maryland - Baltimore County	36,323	174	125	29,641	180	129
Public	University of Maryland - College Park	324,980	31	19	267,383	34	22
Public	University of Massachusetts - Amherst	109,332	103	73	97,976	105	73
Public	University of Massachusetts Medical Sch - Worcester	132,729	88	61	111,221	92	65
Public	University of Medicine & Dentistry of New Jersey	178,156	71	48	162,417	67	45
Private	University of Miami	171,319	75	24	153,772	75	23
Public	University of Michigan - Ann Arbor	673,724	3	2	600,523	4	3
Public	University of Minnesota - Twin Cities	494,265	11	7	462,011	10	7
Public	University of Mississippi - Oxford	47,894	152	111	39,552	160	116
Public	University of Missouri - Columbia	177,011	72	49	174,782	63	42
Public	University of Montana - Missoula	39,367	166	120	33,535	168	121
Public	University of Nebraska - Lincoln	171,431	74	51	157,520	70	48
Public	University of Nebraska Medical Center	71,000	129	91	60,695	134	96
Public	University of Nevada - Las Vegas	30,527	186	134	27,008	189	136

2000 — Total Research x \$1000	2000 — National Rank	2000 — Control Rank	1999 — Total Research x \$1000	1999 — National Rank	1999 — Control Rank	1998 — Total Research x \$1000	1998 — National Rank	1998 — Control Rank
518,514	7	6	451,539	7	6	420,426	6	5
364,789	17	12	307,950	22	14	288,796	20	14
158,437	63	44	141,842	65	44	130,415	69	47
530,826	4	3	477,620	5	4	447,367	3	2
83,580	110	78	75,821	110	77	79,775	103	72
518,559	6	5	461,632	6	5	418,790	7	6
443,013	9	7	417,095	10	7	379,970	11	8
118,154	85	57	104,561	88	60	96,034	86	58
56,212	131	94	52,902	134	96	56,533	126	89
47,646	147	108	42,466	147	108	35,530	156	111
170,678	59	20	162,805	52	19	151,635	54	19
171,906	58	40	153,002	58	39	159,695	48	31
207,973	42	28	184,237	43	28	186,211	40	27
142,454	70	48	130,450	72	49	121,624	72	49
70,877	118	83	59,394	125	87	59,157	121	84
90,207	103	74	75,592	111	78	75,291	107	75
39,345	155	44	36,937	155	43	45,000	139	40
74,711	116	81	73,521	113	80	69,896	113	78
313,692	25	15	304,447	23	15	274,862	22	15
258,476	33	21	237,493	34	22	217,945	34	22
161,300	61	42	156,810	55	36	148,007	55	36
48,902	143	105	43,370	146	107	42,297	142	101
61,347	129	92	62,531	120	84	58,967	122	85
195,839	47	31	175,093	46	29	151,739	52	34
373,024	15	10	358,247	14	9	329,266	15	10
236,944	37	23	207,135	40	26	199,063	38	25
85,825	109	77	73,831	112	79	66,756	117	81
62,845	128	91	58,921	126	88	50,359	134	95
202,392	44	29	174,034	47	30	161,346	47	30
64,062	126	89	57,051	128	90	39,147	150	108
54,821	136	99	41,452	148	109	33,106	160	114
224,346	40	27	140,903	67	45	143,321	57	38
26,044	183	132	21,854	193	139	18,155	204	149
252,429	34	22	257,628	31	19	223,190	33	21
96,907	98	69	86,576	98	68	89,970	95	65
97,587	97	68	83,040	101	71	82,950	99	68
140,951	71	49	126,277	74	50	114,491	77	51
145,795	68	23	139,608	68	23	136,972	66	21
551,556	3	2	508,619	2	1	496,761	2	1
411,380	12	8	356,529	15	10	345,910	13	9
31,427	170	124	10,294	246	180	9,922	249	182
158,861	62	43	149,002	61	41	136,061	67	46
29,590	175	126	24,372	181	131	20,133	193	140
136,023	77	52	131,046	71	48	118,857	73	50
51,547	139	101	54,205	132	94	50,453	133	94
24,215	191	137	20,170	201	145	16,912	210	153



<b>Total Research Expenditures</b>		2002	2002	2002	2001	2001	2001
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		Total Research x \$1000	National Rank	Control Rank	Total Research x \$1000	National Rank	Control Rank
Public	University of Nevada - Reno	66,721	133	95	59,229	136	98
Public	University of New Hampshire - Durham	93,222	117	81	87,879	115	80
Public	University of New Mexico - Albuquerque	150,598	83	56	156,619	72	50
Public	University of North Carolina - Chapel Hill	370,806	28	17	303,576	30	18
Public	University of North Dakota	33,973	180	129	19,692	210	154
Private	University of Notre Dame	52,371	145	39	46,096	147	40
Public	University of Oklahoma - Norman	106,705	107	76	90,704	112	78
Public	University of Oklahoma Health Sciences Center	62,668	139	101	57,991	139	101
Public	University of Oregon	43,723	163	117	36,881	163	118
Private	University of Pennsylvania	522,269	9	3	469,852	9	3
Public	University of Pittsburgh - Pittsburgh	400,200	24	14	348,792	26	16
Public	University of Puerto Rico - Medical Sciences	29,089	190	138	23,913	197	141
Public	University of Rhode Island	53,347	144	106	50,835	145	106
Private	University of Rochester	261,601	43	15	234,261	41	15
Public	University of South Carolina - Columbia	123,108	94	66	109,973	94	67
Public	University of South Florida	197,894	61	41	171,550	65	43
Private	University of Southern California	372,397	27	11	340,597	27	11
Public	University of Southern Mississippi	25,685	198	145	20,286	207	151
Public	University of Tennessee - Knoxville	185,437	65	43	111,710	91	64
Public	University of Texas - Austin	320,966	32	20	295,104	32	20
Public	University of Texas Health Science Center - Houston	138,380	85	58	125,439	83	56
Public	University of Texas Health Science Ctr - San Antonio	129,616	91	64	115,154	89	62
Public	University of Texas MD Anderson Cancer Center	262,145	42	28	212,746	47	31
Public	University of Texas Medical Branch - Galveston	129,534	92	65	102,722	99	70
Public	University of Texas SW Medical Center - Dallas	263,958	41	27	222,376	44	29
Public	University of Utah	216,707	56	37	197,597	52	35
Public	University of Vermont	88,602	118	82	75,597	121	85
Public	University of Virginia	182,340	68	45	149,547	76	53
Public	University of Washington - Seattle	627,273	5	4	589,626	5	4
Public	University of Wisconsin - Madison	662,101	4	3	604,143	3	2
Public	University of Wyoming	41,632	164	118	41,632	156	113
Public	US Naval Postgraduate School	45,227	159	114	40,889	158	114
Public	Utah State University	121,621	96	68	121,359	85	58
Private	Vanderbilt University	208,305	58	20	186,504	57	20
Public	Virginia Commonwealth University	109,619	101	72	99,180	103	72
Public	Virginia Polytechnic Institute and State University	232,560	48	33	216,323	45	30
Private	Wake Forest University	111,634	100	29	98,343	104	32
Public	Washington State University - Pullman	138,726	84	57	99,302	101	71
Private	Washington University in St. Louis	416,960	20	7	406,642	17	6
Public	Wayne State University	199,007	59	39	175,984	62	41
Public	West Virginia University	84,985	121	84	71,311	125	88
Private	Woods Hole Oceanographic Institution	99,964	112	34	91,029	111	34
Private	Yale University	354,243	29	12	321,514	28	12
Private	Yeshiva University	157,124	82	27	148,230	78	25

2000 — Total Research x \$1000	2000 — National Rank	2000 — Control Rank	1999 — Total Research x \$1000	1999 — National Rank	1999 — Control Rank	1998 — Total Research x \$1000	1998 — National Rank	1998 — Control Rank
56,248	130	93	47,939	136	97	45,476	137	98
72,108	117	82	57,613	127	89	52,359	129	90
133,980	79	53	115,850	80	54	125,910	71	48
269,072	32	20	252,767	32	20	235,296	30	19
17,343	213	156	16,999	211	152	16,938	209	152
34,524	163	46	30,483	165	44	28,873	166	48
95,068	99	70	79,568	106	75	68,505	116	80
55,834	132	95	62,517	121	85	58,356	123	86
35,934	159	115	32,695	160	117	33,315	159	113
430,389	10	3	383,569	13	5	333,477	14	5
294,809	29	17	249,477	33	21	213,842	37	24
21,373	200	144	17,114	210	151	19,830	194	141
48,135	144	106	44,452	144	105	37,940	152	109
197,335	46	16	177,126	45	17	174,617	44	16
104,398	92	63	105,835	86	58	92,785	91	62
145,397	69	47	123,961	76	51	104,325	81	54
300,445	27	11	280,741	24	9	268,806	24	9
17,706	212	155	16,211	213	154	11,117	242	176
112,495	87	59	111,251	83	55	105,486	80	53
272,811	31	19	258,122	30	18	244,843	29	18
119,587	84	56	105,307	87	59	101,993	83	56
103,824	93	64	87,804	96	67	82,357	100	69
182,196	54	36	155,126	56	37	141,260	60	41
97,896	96	67	93,580	94	65	86,488	98	67
189,216	50	33	165,520	51	33	153,711	51	33
187,661	52	35	153,843	57	38	142,956	58	39
63,391	127	90	64,049	118	82	57,832	125	88
140,416	73	38	131,138	70	47	139,135	62	43
529,342	5	4	482,659	4	3	438,191	5	4
554,361	2	1	499,688	3	2	443,695	4	3
43,094	149	110	47,197	138	99	48,500	135	96
37,502	156	112	34,095	158	115	34,095	158	112
103,161	94	65	95,364	93	64	94,228	90	61
171,926	57	19	149,675	60	20	135,214	68	22
88,220	107	76	79,785	105	74	80,538	102	71
192,672	49	32	169,250	48	31	167,118	46	29
86,840	108	32	82,827	102	31	76,893	105	32
104,796	91	62	96,943	92	63	95,422	88	59
362,216	18	6	315,606	21	8	269,550	23	8
156,814	64	45	146,832	63	43	138,456	63	44
66,130	123	86	63,392	119	83	62,362	120	83
81,547	112	33	71,722	114	34	75,011	108	33
296,706	28	12	274,050	26	11	262,680	26	11
139,618	74	24	111,771	81	27	99,000	85	28

<b>Federal Research Expenditures</b>		2002	2002	2002	2001	2001	2001
Institutions with Over \$20 Million in Federal Research, Alphabetically		— Federal Research x \$1000	— National Rank	— Control Rank	— Federal Research x \$1000	— National Rank	— Control Rank
Public	Arizona State University - Tempe	64,407	102	66	56,616	99	65
Public	Auburn University	42,432	122	84	40,097	119	82
Private	Baylor College of Medicine	259,475	20	12	234,394	19	11
Private	Boston College	22,827	169	52	20,123	171	53
Private	Boston University	171,438	40	20	150,771	38	19
Private	Brandeis University	29,006	152	47	30,031	135	42
Private	Brown University	68,215	97	34	58,367	96	34
Private	California Institute of Technology	199,944	28	13	193,554	28	13
Private	Carnegie Mellon University	137,967	51	22	97,463	62	25
Private	Case Western Reserve University	181,888	34	17	158,852	33	16
Private	Charles R. Drew University of Medicine and Science	39,259	129	41	27,415	142	46
Public	Clemson University	47,174	116	79	48,560	108	71
Public	Colorado State University	112,650	61	36	101,308	58	34
Private	Columbia University	356,749	8	4	317,928	7	4
Private	Cornell University	270,578	17	9	240,466	18	10
Private	Dartmouth College	87,255	75	28	69,844	83	31
Public	Desert Research Institute	22,760	170	118	22,018	165	115
Private	Drexel University	30,232	149	46	20,159	170	52
Private	Duke University	261,356	19	11	218,109	22	12
Private	Emory University	186,083	32	15	170,317	30	14
Public	Florida A&M University	21,592	177	124	22,477	162	112
Public	Florida International University	32,057	142	98	23,940	152	104
Public	Florida State University	70,456	95	62	57,075	98	64
Public	George Mason University	31,890	144	100	25,992	145	98
Private	George Washington University	58,729	103	37	51,757	104	37
Private	Georgetown University	87,087	76	29	93,626	66	26
Public	Georgia Institute of Technology	165,680	42	22	143,836	42	22
Private	Harvard University	336,607	10	5	300,414	11	6
Private	Howard University	33,949	135	42	27,848	141	45
Public	Indiana University - Bloomington	53,104	108	71	46,712	109	72
Public	Indiana University-Purdue University - Indianapolis	79,655	81	52	70,069	82	52
Public	Iowa State University	71,419	94	61	62,024	92	59
Public	Jackson State University	21,721	176	123	22,750	160	110
Private	Johns Hopkins University	1,022,510	1	1	879,741	1	1
Public	Kansas State University	43,988	121	83	33,998	127	87
Private	Loma Linda University	20,114	181	55	20,494	169	51
Public	Louisiana State University - Baton Rouge	52,784	109	72	65,291	88	57
Public	Louisiana State University Health Sciences Center	30,749	148	103	20,818	168	118
Private	Loyola University Chicago	27,678	155	48	26,474	144	47
Private	Massachusetts Institute of Technology	330,409	11	6	304,319	9	5
Private	MCP Hahnemann University	26,619	159	49	22,944	158	50
Public	Medical College of Georgia	23,317	168	117	21,116	167	117
Private	Medical College of Wisconsin	76,241	90	32	64,003	91	33
Public	Medical University of South Carolina	75,803	91	59	60,543	94	61
Private	Meharry Medical College	20,453	179	54	10,015	219	62
Public	Michigan State University	122,595	55	32	112,359	51	30

2000 — Federal Research x \$1000	2000 — National Rank	2000 — Control Rank	1999 — Federal Research x \$1000	1999 — National Rank	1999 — Control Rank	1998 — Federal Research x \$1000	1998 — National Rank	1998 — Control Rank
49,935	100	65	53,905	90	59	41,359	105	67
31,515	123	83	27,058	130	88	27,706	128	85
193,249	25	13	141,111	30	13	110,610	40	18
16,673	169	53	14,492	174	51	12,778	179	55
133,730	39	19	123,390	39	19	104,428	43	20
26,444	140	46	29,423	123	42	28,098	125	43
49,943	99	35	45,276	100	36	44,412	97	36
196,877	21	12	195,303	18	11	177,748	18	11
91,191	64	26	90,408	56	23	95,046	49	23
150,586	31	15	140,178	32	14	132,274	30	13
21,969	152	49	22,212	148	47	16,052	161	52
31,304	124	84	27,064	129	87	28,199	124	82
101,429	54	31	91,943	55	33	80,451	61	37
283,163	8	5	240,158	11	6	229,723	11	6
229,872	16	9	234,792	12	7	204,187	15	8
56,369	92	32	46,741	97	35	45,053	95	35
19,923	160	110	16,552	164	114	15,400	164	112
14,292	184	56	12,914	186	55	10,929	194	59
204,180	20	11	186,757	21	12	172,532	19	12
144,914	34	17	132,816	36	17	118,045	36	17
16,278	174	121	20,693	152	104	15,726	162	110
20,296	158	108	15,757	168	118	14,243	169	117
56,830	91	60	55,666	85	54	50,451	90	57
20,669	157	107	19,492	156	108	17,268	159	108
49,627	101	36	49,944	93	33	45,072	94	34
98,836	56	24	83,972	64	26	84,801	55	24
126,164	42	22	112,861	43	23	113,643	39	22
281,699	9	6	266,019	8	5	251,876	7	4
25,292	145	48	21,658	149	48	21,501	150	49
43,031	108	71	40,905	105	68	38,336	106	68
64,546	82	51	61,357	77	49	57,504	80	50
59,976	88	57	54,179	89	58	51,196	89	56
10,690	210	150	7,925	222	157	5,326	245	176
793,266	1	1	770,580	1	1	752,983	1	1
31,185	125	85	28,102	126	84	27,001	130	87
18,811	164	51	12,217	192	57	7,834	220	64
44,504	106	69	37,291	107	70	31,199	117	77
28,482	132	91	24,150	138	96	23,828	137	92
20,695	156	50	17,588	161	49	17,685	158	51
306,668	7	4	308,921	5	3	310,741	5	3
27,379	136	42	17,281	162	50	61,102	76	30
15,210	180	125	13,991	179	127	13,127	174	121
55,034	93	33	47,087	96	34	43,831	99	38
41,432	109	72	30,997	118	79	36,473	107	69
9,192	216	62	9,192	212	63	11,004	193	58
97,112	58	33	89,835	57	34	81,146	60	36

<b>Federal Research Expenditures</b>		2002	2002	2002	2001	2001	2001
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		Federal Research x \$1000	National Rank	Control Rank	Federal Research x \$1000	National Rank	Control Rank
Public	Mississippi State University	77,521	89	58	65,493	87	56
Public	Montana State University - Bozeman	39,986	126	87	34,857	123	84
Private	Morehouse School of Medicine	21,919	175	53	18,127	178	55
Private	Mount Sinai School of Medicine	125,979	54	23	109,344	55	23
Public	New Jersey Institute of Technology	25,641	161	111	18,530	175	122
Public	New Mexico State University - Las Cruces	70,314	96	63	61,124	93	60
Private	New York University	149,995	47	21	129,897	46	21
Public	North Carolina State University	75,204	92	60	95,875	64	39
Public	North Dakota State University	21,414	178	125	15,207	188	133
Private	Northeastern University	24,295	165	51	23,532	156	49
Private	Northwestern University	178,607	36	18	158,129	34	17
Public	Ohio State University - Columbus	177,883	37	19	161,092	32	17
Public	Oklahoma State University - Stillwater	31,100	147	102	25,636	149	101
Public	Oregon Health & Science University	130,231	52	30	111,671	53	31
Public	Oregon State University	91,683	72	45	84,854	71	45
Public	Pennsylvania State University - Hershey Medical Ctr	28,471	154	107	24,595	151	103
Public	Pennsylvania State University - University Park	256,235	21	9	221,356	21	10
Private	Princeton University	97,724	68	26	78,620	74	27
Public	Purdue University - West Lafayette	107,477	64	39	98,151	60	36
Private	Rensselaer Polytechnic Institute	26,490	160	50	25,894	147	48
Private	Rice University	39,739	128	40	35,682	122	39
Private	Rockefeller University	67,559	98	35	55,362	101	36
Private	Rush University	44,756	118	38	37,301	121	38
Public	Rutgers the State University of NJ - New Brunswick	81,172	80	51	68,669	84	53
Private	Saint Louis University - St. Louis	31,215	146	45	28,117	140	44
Public	San Diego State University	25,223	163	113	23,621	155	107
Private	Stanford University	426,620	4	2	384,468	4	2
Public	State Univ. of New York Health Science Ctr - Brooklyn	25,495	162	112	22,860	159	109
Public	Stony Brook University	108,122	63	38	93,265	67	41
Private	Syracuse University	32,704	140	44	30,036	134	41
Public	Temple University	44,577	119	81	41,643	117	80
Public	Texas A&M University	163,488	43	23	149,382	39	20
Public	Texas A&M University System Health Sciences Center	22,417	172	120	18,384	176	123
Public	Texas Tech University	20,390	180	126	17,230	181	126
Private	Thomas Jefferson University	79,217	83	30	64,881	89	32
Private	Tufts University	73,236	93	33	71,669	80	30
Private	Tulane University	64,824	101	36	55,669	100	35
Public	University at Albany	40,497	124	86	46,671	110	73
Public	University at Buffalo	128,842	53	31	96,595	63	38
Public	University of Alabama - Birmingham	216,221	25	13	194,625	27	15
Public	University of Alabama - Huntsville	35,660	134	93	30,625	130	90
Public	University of Alabama - Tuscaloosa	26,900	158	110	22,183	164	114
Public	University of Alaska - Fairbanks	66,169	99	64	55,287	102	66
Public	University of Arizona	211,772	27	15	199,484	24	12
Public	University of Arkansas - Fayetteville	27,588	156	108	23,172	157	108
Public	University of Arkansas for Medical Sciences	27,491	157	109	34,219	125	86

2000 — Federal Research x \$1000	2000 — National Rank	2000 — Control Rank	1999 — Federal Research x \$1000	1999 — National Rank	1999 — Control Rank	1998 — Federal Research x \$1000	1998 — National Rank	1998 — Control Rank
53,808	94	61	46,528	98	63	42,004	102	64
30,564	127	87	26,231	133	91	23,982	136	91
15,419	179	55	12,948	185	54	12,461	181	56
98,188	57	25	84,624	62	25	69,995	68	26
17,381	168	116	21,127	150	102	21,127	152	102
57,073	90	59	56,875	82	52	56,587	82	51
117,163	46	21	111,124	45	21	101,426	45	22
77,328	70	44	66,310	73	46	79,533	63	38
15,463	178	124	12,308	191	135	9,787	201	141
26,916	138	44	22,776	147	46	21,454	151	50
150,238	32	16	132,647	37	18	127,911	33	15
132,219	40	21	135,216	34	19	124,177	35	19
24,770	146	98	23,179	145	101	23,220	140	94
109,165	49	28	95,655	52	30	82,146	59	35
80,398	68	42	81,649	65	39	82,416	58	34
29,390	130	89	23,893	140	98	22,353	144	97
196,684	22	10	175,212	25	13	163,921	26	14
74,681	72	27	72,974	69	27	69,005	69	27
92,010	62	37	95,708	51	29	92,844	50	27
25,555	144	47	22,803	146	45	21,774	148	48
35,144	120	38	35,012	111	38	34,772	110	40
45,211	104	37	45,010	101	37	43,845	98	37
32,573	121	39	31,119	117	39	28,444	123	42
70,943	75	48	67,341	72	45	62,148	74	46
26,453	139	45	23,722	143	43	23,341	139	46
22,802	151	103	19,724	155	107	19,721	154	104
367,083	3	2	353,947	3	2	342,426	2	2
22,860	150	102	21,053	151	103	18,318	156	106
96,641	59	34	93,937	53	31	91,531	51	28
29,620	129	41	30,050	121	41	29,200	120	41
38,213	114	77	29,734	122	81	28,793	122	81
149,639	33	17	149,151	28	16	144,938	28	16
14,321	183	128	NA			NA		
16,111	176	122	15,184	172	122	13,111	175	122
67,448	76	28	56,369	83	31	51,728	88	33
64,677	81	31	62,836	75	28	61,167	75	29
52,080	96	34	50,779	92	32	52,924	86	32
62,059	86	55	46,242	99	64	33,894	111	71
96,410	60	35	85,490	60	36	76,037	65	40
175,309	29	16	165,223	26	14	166,830	24	12
25,939	143	97	25,166	134	92	23,772	138	93
19,486	163	113	17,601	160	112	14,909	167	115
46,605	103	67	34,647	112	74	31,505	115	75
187,161	26	13	178,126	24	12	161,999	27	15
20,778	155	106	15,851	167	117	16,156	160	109
29,962	128	88	26,392	131	89	21,857	147	100

<b>Federal Research Expenditures</b>		2002	2002	2002	2001	2001	2001
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		Federal Research x \$1000	National Rank	Control Rank	Federal Research x \$1000	National Rank	Control Rank
Public	University of California - Berkeley	217,297	24	12	208,080	23	11
Public	University of California - Davis	176,644	38	20	154,937	37	19
Public	University of California - Irvine	115,548	59	35	101,735	57	33
Public	University of California - Los Angeles	366,762	6	3	312,858	8	4
Public	University of California - Riverside	32,305	141	97	25,713	148	100
Public	University of California - San Diego	359,383	7	4	343,276	6	3
Public	University of California - San Francisco	327,393	12	6	277,489	13	6
Public	University of California - Santa Barbara	78,370	85	54	76,828	77	49
Public	University of California - Santa Cruz	32,901	139	96	29,201	139	96
Public	University of Central Florida	29,929	150	104	22,342	163	113
Private	University of Chicago	183,830	33	16	155,566	35	18
Public	University of Cincinnati - Cincinnati	150,166	46	26	128,049	47	26
Public	University of Colorado - Boulder	190,661	31	17	172,840	29	16
Public	University of Colorado Health Sciences Center	146,400	48	27	132,716	44	24
Public	University of Connecticut - Health Center	41,063	123	85	39,907	120	83
Public	University of Connecticut - Storrs	52,263	110	73	30,106	133	93
Private	University of Dayton	40,191	125	39	34,102	126	40
Public	University of Delaware	48,183	115	78	41,830	116	79
Public	University of Florida	167,108	41	21	139,744	43	23
Public	University of Georgia	78,086	87	56	66,913	86	55
Public	University of Hawaii - Manoa	110,882	62	37	97,716	61	37
Public	University of Houston - University Park	31,455	145	101	21,876	166	116
Public	University of Idaho	33,465	137	95	26,548	143	97
Public	University of Illinois - Chicago	143,183	49	28	125,109	49	28
Public	University of Illinois - Urbana-Champaign	214,323	26	14	195,316	25	13
Public	University of Iowa	180,743	35	18	155,249	36	18
Public	University of Kansas - Lawrence	49,184	114	77	43,951	113	76
Public	University of Kansas Medical Center	33,479	136	94	30,543	131	91
Public	University of Kentucky	100,426	66	41	86,239	69	43
Public	University of Louisville	38,978	130	89	25,116	150	102
Public	University of Maine - Orono	23,732	167	116	23,873	153	105
Public	University of Maryland - Baltimore	117,017	58	34	99,091	59	35
Public	University of Maryland - Baltimore County	29,376	151	105	23,695	154	106
Public	University of Maryland - College Park	194,095	30	16	145,515	41	21
Public	University of Massachusetts - Amherst	54,770	106	69	49,576	105	68
Public	University of Massachusetts Medical Sch - Worcester	93,992	70	44	79,453	72	46
Public	University of Medicine & Dentistry of New Jersey	90,235	73	46	86,054	70	44
Private	University of Miami	121,171	56	24	111,803	52	22
Public	University of Michigan - Ann Arbor	444,255	3	2	396,117	3	2
Public	University of Minnesota - Twin Cities	295,301	15	8	264,289	15	8
Public	University of Mississippi - Oxford	38,671	131	90	30,108	132	92
Public	University of Missouri - Columbia	77,742	88	57	68,435	85	54
Public	University of Montana - Missoula	22,612	171	119	19,194	174	121
Public	University of Nebraska - Lincoln	51,405	111	74	43,877	114	77
Public	University of Nebraska Medical Center	28,602	153	106	22,497	161	111
Public	University of Nevada - Las Vegas	22,367	174	122	15,681	184	129

2000 — Federal Research x \$1000	2000 — National Rank	2000 — Control Rank	1999 — Federal Research x \$1000	1999 — National Rank	1999 — Control Rank	1998 — Federal Research x \$1000	1998 — National Rank	1998 — Control Rank
208,338	19	9	191,025	20	9	171,747	20	8
141,740	35	18	124,463	38	20	114,018	38	21
88,274	65	39	75,505	66	40	66,602	71	44
274,162	11	5	251,999	9	4	234,005	10	5
21,085	154	105	19,994	154	106	22,999	142	95
326,037	5	3	292,007	6	3	263,103	6	3
248,878	13	6	233,181	13	6	219,630	12	6
80,754	67	41	74,026	68	42	68,680	70	43
25,959	142	96	25,084	135	93	29,881	119	79
13,801	187	131	16,048	166	116	13,502	172	119
140,872	36	18	135,720	33	15	125,982	34	16
110,296	48	27	100,325	50	28	90,307	52	29
178,777	28	15	140,959	31	18	137,241	29	17
119,590	45	25	101,044	49	27	89,022	53	30
37,702	117	80	31,633	116	78	30,318	118	78
28,442	133	92	23,863	141	99	22,871	143	96
31,717	122	40	30,755	119	40	36,329	108	39
37,716	116	79	34,628	113	75	33,688	112	72
120,374	44	24	122,296	41	22	106,510	41	23
62,678	85	54	56,080	84	53	54,712	84	53
95,419	61	36	93,418	54	32	86,886	54	31
21,365	153	104	20,443	153	105	22,018	145	98
23,014	149	101	24,263	137	95	18,352	155	105
101,943	52	30	86,406	59	35	73,797	66	41
193,490	24	12	185,767	22	10	171,250	22	10
140,764	37	19	122,638	40	21	115,312	37	20
40,114	110	73	33,176	115	77	28,823	121	80
28,836	131	90	24,096	139	97	21,744	149	101
73,858	73	46	66,184	74	47	60,760	77	47
17,713	167	115	15,536	170	120	15,067	165	113
24,412	147	99	19,163	157	109	13,028	176	123
91,212	63	38	84,516	63	38	78,037	64	39
20,244	159	109	15,624	169	119	12,618	180	125
136,605	38	20	145,081	29	17	129,198	32	18
44,712	105	68	39,877	106	69	43,196	100	62
64,212	84	53	55,516	86	55	53,766	85	54
75,318	71	45	61,730	76	48	59,828	78	48
106,633	51	22	101,883	48	22	101,492	44	21
364,033	4	2	334,226	4	2	311,450	4	2
229,958	15	7	207,761	16	7	204,741	14	7
19,711	162	112	7,319	230	164	6,721	229	163
65,420	79	49	53,875	91	60	45,448	93	60
18,378	165	114	14,627	173	123	11,748	189	132
37,831	115	78	36,977	108	71	41,888	103	65
19,878	161	111	17,167	163	113	15,663	163	111
13,815	186	130	10,248	205	144	9,713	203	143



<b>Federal Research Expenditures</b>		2002	2002	2002	2001	2001	2001
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		Federal Research x \$1000	National Rank	Control Rank	Federal Research x \$1000	National Rank	Control Rank
Public	University of Nevada - Reno	39,958	127	88	31,386	129	89
Public	University of New Hampshire - Durham	50,829	112	75	45,223	111	74
Public	University of New Mexico - Albuquerque	104,252	65	40	109,505	54	32
Public	University of North Carolina - Chapel Hill	254,571	22	10	221,615	20	9
Public	University of North Dakota	25,004	164	114	15,743	183	128
Private	University of Notre Dame	33,285	138	43	29,801	137	43
Public	University of Oklahoma - Norman	37,470	132	91	34,350	124	85
Public	University of Oklahoma Health Sciences Center	31,918	143	99	25,914	146	99
Public	University of Oregon	37,177	133	92	32,232	128	88
Private	University of Pennsylvania	397,587	5	3	351,996	5	3
Public	University of Pittsburgh - Pittsburgh	306,913	13	7	268,571	14	7
Public	University of Puerto Rico - Medical Sciences	23,931	166	115	19,433	173	120
Public	University of Rhode Island	45,453	117	80	43,161	115	78
Private	University of Rochester	195,298	29	14	166,945	31	15
Public	University of South Carolina - Columbia	53,403	107	70	51,983	103	67
Public	University of South Florida	84,108	77	48	58,826	95	62
Private	University of Southern California	266,645	18	10	246,207	17	9
Public	University of Southern Mississippi	22,398	173	121	18,061	179	124
Public	University of Tennessee - Knoxville	88,167	74	47	48,739	107	70
Public	University of Texas - Austin	219,158	23	11	195,184	26	14
Public	University of Texas Health Science Center - Houston	98,676	67	42	88,545	68	42
Public	University of Texas Health Science Ctr - San Antonio	83,761	78	49	71,153	81	51
Public	University of Texas MD Anderson Cancer Center	117,633	57	33	94,053	65	40
Public	University of Texas Medical Branch - Galveston	78,100	86	55	64,682	90	58
Public	University of Texas SW Medical Center - Dallas	155,258	44	24	131,820	45	25
Public	University of Utah	142,625	50	29	127,253	48	27
Public	University of Vermont	58,280	104	67	48,810	106	69
Public	University of Virginia	152,358	45	25	122,868	50	29
Public	University of Washington - Seattle	487,059	2	1	435,103	2	1
Public	University of Wisconsin - Madison	345,003	9	5	304,009	10	5
Public	University of Wyoming	20,017	182	127	20,017	172	119
Public	US Naval Postgraduate School	44,379	120	82	40,121	118	81
Public	Utah State University	79,393	82	53	74,251	79	50
Private	Vanderbilt University	172,858	39	19	146,230	40	20
Public	Virginia Commonwealth University	65,028	100	65	57,315	97	63
Public	Virginia Polytechnic Institute and State University	82,976	79	50	77,384	76	48
Private	Wake Forest University	91,738	71	27	78,021	75	28
Public	Washington State University - Pullman	55,593	105	68	43,989	112	75
Private	Washington University in St. Louis	303,441	14	7	284,928	12	7
Public	Wayne State University	95,910	69	43	79,448	73	47
Public	West Virginia University	49,394	113	76	29,440	138	95
Private	Woods Hole Oceanographic Institution	78,458	84	31	75,670	78	29
Private	Yale University	274,304	16	8	250,702	16	8
Private	Yeshiva University	114,268	60	25	107,800	56	24

2000 — Federal Research x \$1000	2000 — National Rank	2000 — Control Rank	1999 — Federal Research x \$1000	1999 — National Rank	1999 — Control Rank	1998 — Federal Research x \$1000	1998 — National Rank	1998 — Control Rank
26,267	141	95	24,587	136	94	20,383	153	103
38,921	112	75	30,586	120	80	25,913	133	89
100,442	55	32	84,976	61	37	84,365	56	32
194,794	23	11	182,935	23	11	171,505	21	9
13,880	185	129	13,615	183	131	13,404	173	120
27,362	137	43	23,614	144	44	23,053	141	47
36,931	118	81	29,370	124	82	27,770	127	84
23,611	148	100	28,219	125	83	26,681	132	88
30,793	126	86	27,336	128	86	27,041	129	86
312,434	6	3	279,013	7	4	247,914	8	5
228,155	17	8	194,618	19	8	168,511	23	11
16,657	170	117	13,971	180	128	11,843	186	129
38,538	113	76	36,207	109	72	33,308	113	73
150,593	30	14	132,852	35	16	130,773	31	14
51,872	97	63	48,490	94	61	42,586	101	63
50,557	98	64	42,005	104	67	35,930	109	70
210,872	18	10	199,619	17	10	190,547	16	9
15,084	181	126	14,124	177	126	9,536	207	146
44,467	107	70	42,112	103	66	41,876	104	66
178,889	27	14	164,913	27	15	165,082	25	13
79,665	69	43	71,288	70	43	70,446	67	42
65,251	80	50	56,904	81	51	51,954	87	55
81,872	66	40	69,413	71	44	63,074	73	45
61,357	87	56	55,061	87	56	48,588	91	58
109,165	49	28	101,996	47	26	97,200	48	26
124,344	43	23	111,716	44	24	100,722	46	24
39,861	111	74	36,085	110	73	31,460	116	76
115,684	47	26	108,495	46	25	99,173	47	25
389,622	2	1	368,112	2	1	342,291	3	1
278,629	10	4	249,212	10	5	240,513	9	4
16,556	172	119	19,109	158	110	17,806	157	107
36,476	119	82	33,308	114	76	33,308	113	73
57,378	89	58	54,433	88	57	54,903	83	52
129,986	41	20	116,887	42	20	106,325	42	19
52,137	95	62	48,175	95	62	48,167	92	59
71,127	74	47	75,386	67	41	82,734	57	33
65,585	78	30	60,293	78	29	56,705	81	31
48,441	102	66	44,610	102	65	44,510	96	61
254,148	12	7	218,598	14	8	187,173	17	10
64,320	83	52	57,610	80	50	57,646	79	49
28,013	134	93	26,264	132	90	24,985	134	90
67,036	77	28	59,534	79	30	64,765	72	28
232,019	14	8	213,404	15	9	205,046	13	7
101,631	53	23	89,680	58	24	80,000	62	25

Research by Major Discipline		2002 Total Research by Major Discipline					
		Percent Life Science	Percent Physical Science	Percent Enviro Science	Percent Eng Science	Percent Computer Science	Percent Math
Institutions with Over \$20 Million in Federal Research, Alphabetically							
Public	Arizona State University - Tempe	14.7%	14.4%	8.4%	38.9%	3.7%	1.6%
Public	Auburn University	60.5%	3.3%	0.8%	29.7%	0.3%	0.2%
Private	Baylor College of Medicine	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Private	Boston College	10.9%	26.5%	2.2%	0.0%	0.3%	43.0%
Private	Boston University	67.6%	8.2%	1.7%	10.8%	0.7%	0.9%
Private	Brandeis University	45.0%	11.1%	0.0%	0.0%	3.7%	0.7%
Private	Brown University	51.6%	8.6%	5.2%	13.6%	6.5%	6.1%
Private	California Institute of Technology	17.1%	48.7%	6.0%	20.0%	3.1%	0.2%
Private	Carnegie Mellon University	4.2%	6.0%	0.5%	25.3%	53.2%	1.6%
Private	Case Western Reserve University	78.4%	3.0%	0.2%	11.0%	0.0%	0.2%
Private	Charles R. Drew University of Medicine and Science	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Public	Clemson University	37.6%	6.2%	0.0%	39.1%	1.1%	1.7%
Public	Colorado State University	38.7%	5.9%	21.3%	20.7%	0.9%	1.0%
Private	Columbia University	69.2%	7.9%	12.9%	4.9%	2.1%	0.2%
Private	Cornell University	63.5%	13.4%	1.2%	11.3%	4.7%	0.5%
Private	Dartmouth College	68.5%	3.1%	0.8%	14.4%	3.9%	0.3%
Public	Desert Research Institute	0.0%	0.0%	75.1%	0.0%	0.0%	0.0%
Private	Drexel University	1.6%	5.6%	0.3%	85.4%	7.1%	0.0%
Private	Duke University	83.1%	3.8%	2.1%	4.4%	1.0%	0.5%
Private	Emory University	94.2%	3.2%	0.0%	0.0%	0.0%	0.2%
Public	Florida A&M University	35.1%	4.7%	1.4%	8.9%	0.0%	0.0%
Public	Florida International University	10.5%	7.7%	8.1%	36.4%	5.5%	0.3%
Public	Florida State University	11.6%	36.8%	14.3%	11.5%	0.3%	1.4%
Public	George Mason University	16.2%	1.0%	16.7%	23.5%	8.6%	7.1%
Private	George Washington University	49.0%	3.2%	0.2%	16.0%	3.2%	17.1%
Private	Georgetown University	90.5%	5.4%	0.0%	0.0%	0.3%	0.0%
Public	Georgia Institute of Technology	3.2%	6.8%	4.6%	67.1%	11.4%	2.2%
Private	Harvard University	76.5%	8.8%	3.8%	1.7%	0.7%	0.4%
Private	Howard University	68.2%	6.1%	0.0%	9.5%	7.4%	0.3%
Public	Indiana University - Bloomington	59.9%	11.4%	1.4%	1.1%	2.9%	0.8%
Public	Indiana University-Purdue University - Indianapolis	59.9%	11.4%	1.4%	1.1%	2.9%	0.8%
Public	Iowa State University	49.8%	5.4%	2.2%	24.2%	2.5%	4.0%
Public	Jackson State University	22.9%	12.7%	13.8%	1.0%	18.7%	1.8%
Private	Johns Hopkins University	43.5%	10.2%	3.1%	30.6%	6.2%	2.3%
Public	Kansas State University	64.1%	10.4%	0.5%	15.4%	1.8%	0.6%
Private	Loma Linda University	81.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Public	Louisiana State University - Baton Rouge	58.7%	6.8%	12.3%	14.9%	1.1%	0.5%
Public	Louisiana State University Health Sciences Center	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Private	Loyola University Chicago	88.7%	5.1%	0.1%	0.0%	0.0%	0.4%
Private	Massachusetts Institute of Technology	16.4%	21.8%	4.8%	37.7%	9.1%	1.1%
Private	MCP Hahnemann University	98.4%	0.0%	0.0%	0.0%	0.0%	0.0%
Public	Medical College of Georgia	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Private	Medical College of Wisconsin	100.0%	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%	0.0%
Private	Meharry Medical College	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Public	Michigan State University	61.9%	16.4%	0.7%	8.2%	1.6%	0.9%

2002 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
5.1%	8.2%	4.8%	19.4%	16.2%	0.0%	39.8%	5.0%	2.9%	9.2%	3.7%	3.7%
0.2%	2.2%	2.8%	43.8%	6.7%	0.6%	38.9%	0.0%	0.3%	0.5%	3.2%	6.2%
0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1.8%	15.3%	0.0%	9.9%	30.3%	0.0%	0.0%	0.4%	43.3%	2.0%	14.1%	0.0%
3.1%	0.8%	6.2%	66.7%	8.6%	1.3%	11.2%	0.6%	1.0%	3.4%	0.7%	6.5%
4.0%	35.5%	0.0%	53.4%	13.8%	0.0%	0.0%	5.1%	0.9%	5.2%	21.6%	0.0%
2.8%	5.7%	0.0%	57.9%	7.9%	0.1%	13.9%	7.3%	6.8%	3.4%	2.7%	0.0%
0.0%	0.5%	4.5%	18.6%	54.6%	0.0%	21.5%	3.5%	0.2%	0.0%	0.5%	1.0%
3.7%	5.1%	0.4%	4.9%	6.3%	0.0%	19.1%	59.3%	1.7%	4.6%	4.0%	0.3%
0.3%	1.1%	5.9%	85.2%	3.3%	0.0%	10.1%	0.0%	0.1%	0.3%	0.9%	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%
0.4%	5.2%	8.7%	31.4%	9.8%	0.0%	52.0%	0.8%	0.8%	0.8%	4.3%	0.0%
2.2%	2.6%	6.5%	39.5%	7.7%	12.8%	23.8%	1.1%	1.3%	3.0%	2.9%	7.9%
0.8%	1.8%	0.2%	78.4%	10.1%	0.8%	5.1%	2.5%	0.3%	1.0%	1.7%	0.2%
1.4%	3.9%	0.0%	61.0%	16.6%	0.3%	12.6%	5.5%	0.7%	0.9%	2.3%	0.0%
4.6%	0.5%	3.7%	70.2%	3.3%	0.3%	15.7%	4.7%	0.3%	4.8%	0.5%	0.2%
0.0%	0.0%	24.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
0.0%	0.0%	0.0%	1.9%	6.6%	0.0%	84.3%	7.1%	0.0%	0.0%	0.0%	0.0%
0.9%	4.3%	0.0%	79.9%	5.0%	1.1%	5.4%	1.4%	0.7%	1.1%	5.3%	0.0%
0.6%	1.8%	0.0%	95.9%	2.9%	0.0%	0.0%	0.0%	0.2%	0.6%	0.3%	0.0%
0.0%	0.2%	49.6%	39.4%	6.1%	1.7%	8.6%	0.0%	0.0%	0.0%	0.1%	44.0%
1.2%	18.7%	11.4%	11.4%	8.4%	0.0%	39.7%	6.0%	0.4%	1.3%	20.4%	12.5%
4.9%	16.5%	0.0%	13.7%	42.2%	0.0%	18.9%	4.7%	1.2%	5.2%	14.1%	0.0%
5.5%	21.5%	0.0%	17.2%	0.9%	0.0%	33.1%	12.9%	10.6%	7.7%	17.6%	0.0%
1.2%	8.8%	1.5%	44.1%	3.7%	0.0%	18.4%	3.0%	23.8%	1.4%	0.5%	0.5%
0.4%	3.4%	0.0%	91.1%	4.7%	0.0%	0.0%	0.4%	0.0%	0.5%	3.3%	0.0%
1.3%	1.1%	2.3%	3.3%	7.0%	0.9%	69.7%	11.9%	2.3%	1.4%	1.1%	2.3%
1.5%	6.7%	0.0%	78.5%	9.8%	3.4%	1.8%	0.8%	0.5%	1.8%	3.5%	0.0%
7.2%	1.2%	0.0%	68.8%	5.9%	0.0%	9.2%	7.3%	0.4%	7.5%	1.0%	0.0%
3.5%	11.3%	7.7%	73.4%	13.2%	0.0%	0.4%	1.7%	1.1%	5.1%	5.1%	0.1%
3.5%	11.3%	7.7%	73.4%	13.2%	0.0%	0.4%	1.7%	1.1%	5.1%	5.1%	0.1%
0.3%	6.8%	4.7%	46.2%	8.3%	0.0%	27.5%	1.5%	5.4%	0.1%	10.2%	0.7%
6.9%	2.4%	19.8%	26.6%	14.8%	0.0%	1.1%	21.7%	2.1%	8.0%	2.8%	23.0%
0.3%	0.7%	3.1%	40.6%	11.4%	1.4%	34.2%	6.9%	2.6%	0.3%	0.7%	1.9%
1.2%	3.7%	2.3%	52.3%	21.7%	0.0%	15.3%	3.9%	0.4%	2.0%	2.7%	1.7%
0.0%	0.0%	18.5%	84.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	15.4%
0.4%	3.3%	1.9%	42.4%	22.5%	1.3%	27.7%	0.9%	0.7%	1.0%	3.5%	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%
3.1%	2.7%	0.0%	89.6%	5.5%	0.1%	0.0%	0.0%	0.5%	3.6%	0.8%	0.0%
0.2%	1.3%	7.6%	18.6%	30.8%	0.2%	37.6%	7.8%	1.3%	0.2%	0.5%	3.1%
1.6%	0.0%	0.0%	98.6%	0.0%	0.0%	0.0%	0.0%	0.0%	1.4%	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%
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%	0.0%	100.0%	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%	0.0%
2.1%	8.1%	0.1%	56.6%	22.2%	0.0%	6.4%	2.0%	1.4%	3.2%	8.2%	0.0%

Research by Major Discipline		2002 Total Research by Major Discipline					
		Percent Life Science	Percent Physical Science	Percent Enviro Science	Percent Eng Science	Percent Computer Science	Percent Math
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)							
Public	Mississippi State University	50.2%	3.3%	4.3%	34.6%	1.6%	0.5%
Public	Montana State University - Bozeman	60.3%	16.4%	1.1%	12.7%	0.2%	0.2%
Private	Morehouse School of Medicine	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Private	Mount Sinai School of Medicine	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Public	New Jersey Institute of Technology	0.0%	8.8%	3.6%	54.4%	9.6%	0.2%
Public	New Mexico State University - Las Cruces	22.4%	9.9%	2.4%	59.8%	1.8%	0.1%
Private	New York University	79.4%	2.9%	0.3%	0.0%	3.6%	2.8%
Public	North Carolina State University	51.2%	7.0%	5.8%	26.4%	1.6%	3.7%
Public	North Dakota State University	71.7%	7.3%	0.3%	3.7%	1.4%	0.3%
Private	Northeastern University	20.2%	23.3%	0.0%	38.4%	5.2%	0.9%
Private	Northwestern University	66.2%	8.4%	0.2%	16.9%	1.0%	0.3%
Public	Ohio State University - Columbus	49.6%	6.5%	2.1%	23.6%	6.7%	1.0%
Public	Oklahoma State University - Stillwater	57.2%	6.2%	1.9%	19.3%	0.2%	0.9%
Public	Oregon Health & Science University	96.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Public	Oregon State University	58.5%	2.7%	21.5%	12.9%	1.6%	0.5%
Public	Pennsylvania State University - Hershey Medical Ctr	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Public	Pennsylvania State University - University Park	25.8%	12.8%	6.2%	43.7%	1.0%	1.5%
Private	Princeton University	17.7%	17.1%	9.4%	29.8%	4.1%	2.5%
Public	Purdue University - West Lafayette	45.1%	7.6%	1.4%	32.0%	3.4%	1.6%
Private	Rensselaer Polytechnic Institute	1.7%	11.6%	5.0%	74.5%	4.4%	2.8%
Private	Rice University	14.1%	30.9%	2.3%	23.7%	18.8%	6.6%
Private	Rockefeller University	93.5%	3.3%	0.0%	0.0%	2.3%	1.0%
Private	Rush University	97.7%	0.0%	0.0%	0.0%	0.0%	0.0%
Public	Rutgers the State University of NJ - New Brunswick	45.8%	12.1%	9.8%	13.5%	2.3%	3.2%
Private	Saint Louis University - St. Louis	96.6%	0.1%	1.9%	0.1%	0.0%	0.7%
Public	San Diego State University	37.7%	5.7%	7.2%	13.1%	0.5%	4.0%
Private	Stanford University	56.6%	11.8%	1.6%	23.4%	2.8%	1.0%
Public	State Univ. of New York Health Science Ctr - Brooklyn	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Public	Stony Brook University	52.5%	14.7%	11.3%	10.4%	3.4%	3.8%
Private	Syracuse University	6.5%	10.6%	2.4%	22.9%	14.5%	1.1%
Public	Temple University	62.1%	11.0%	0.3%	4.4%	1.1%	0.3%
Public	Texas A&M University	35.6%	6.7%	18.8%	32.7%	1.5%	1.7%
Public	Texas A&M University System Health Sciences Center	98.7%	0.0%	0.3%	0.8%	0.0%	0.0%
Public	Texas Tech University	27.0%	13.7%	16.6%	29.2%	1.7%	1.4%
Private	Thomas Jefferson University	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Private	Tufts University	77.3%	2.7%	0.9%	6.7%	0.7%	0.4%
Private	Tulane University	83.1%	2.4%	1.2%	7.0%	0.0%	1.7%
Public	University at Albany	52.1%	3.3%	8.4%	15.0%	2.2%	0.0%
Public	University at Buffalo	70.4%	5.7%	0.4%	15.8%	4.1%	0.3%
Public	University of Alabama - Birmingham	93.4%	1.2%	0.0%	2.6%	0.2%	0.1%
Public	University of Alabama - Huntsville	4.5%	25.8%	14.5%	43.4%	10.4%	0.4%
Public	University of Alabama - Tuscaloosa	8.3%	13.9%	5.1%	52.0%	4.3%	0.2%
Public	University of Alaska - Fairbanks	19.1%	1.2%	61.7%	7.0%	7.8%	0.0%
Public	University of Arizona	57.0%	19.9%	2.6%	12.2%	2.0%	0.7%
Public	University of Arkansas - Fayetteville	63.6%	13.6%	3.5%	14.0%	1.1%	0.3%
Public	University of Arkansas for Medical Sciences	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%

2002 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
0.9%	2.9%	1.7%	31.3%	2.3%	7.4%	51.6%	1.5%	0.1%	1.0%	2.9%	1.9%
0.0%	3.5%	5.6%	48.6%	24.8%	0.0%	14.4%	0.2%	0.5%	0.0%	3.7%	7.9%
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%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
0.0%	0.4%	21.2%	0.0%	14.3%	0.0%	64.0%	7.0%	3.5%	0.0%	0.0%	11.3%
1.6%	1.4%	0.6%	14.3%	12.8%	0.7%	66.0%	2.0%	0.2%	2.1%	1.5%	0.5%
6.6%	3.6%	0.8%	76.6%	3.9%	0.0%	0.0%	3.9%	3.9%	8.2%	3.3%	0.2%
0.0%	3.0%	1.3%	43.2%	9.6%	4.1%	32.4%	3.5%	4.3%	0.0%	2.3%	0.5%
0.9%	10.5%	3.9%	36.1%	19.6%	0.0%	7.8%	3.4%	0.7%	2.4%	22.9%	7.1%
5.1%	6.8%	0.0%	21.3%	25.1%	0.0%	38.4%	6.8%	1.0%	5.3%	2.1%	0.0%
1.2%	4.4%	1.5%	65.8%	8.7%	0.0%	19.1%	1.3%	0.4%	1.6%	2.4%	0.7%
1.8%	7.2%	1.5%	61.9%	8.8%	1.7%	15.6%	1.3%	0.9%	3.0%	6.6%	0.3%
0.5%	12.3%	1.5%	42.9%	9.7%	0.7%	25.0%	0.3%	1.0%	0.3%	17.6%	2.6%
4.0%	0.0%	0.0%	95.2%	0.0%	0.0%	0.0%	0.0%	0.0%	4.8%	0.0%	0.0%
0.1%	1.7%	0.6%	58.5%	5.0%	9.5%	20.3%	2.9%	0.9%	0.0%	1.4%	1.4%
0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
2.8%	5.7%	0.4%	22.9%	16.4%	0.0%	50.3%	1.4%	1.7%	3.1%	3.8%	0.4%
3.3%	16.0%	0.0%	23.6%	22.6%	3.2%	33.6%	4.9%	3.1%	4.3%	4.7%	0.0%
1.6%	7.0%	0.2%	45.3%	13.7%	1.3%	28.0%	3.6%	2.4%	2.4%	3.2%	0.1%
0.0%	0.0%	0.0%	2.0%	13.2%	2.1%	74.3%	3.9%	4.4%	0.0%	0.0%	0.0%
1.8%	1.8%	0.0%	14.1%	31.9%	0.0%	22.0%	20.3%	7.7%	2.1%	1.8%	0.0%
0.0%	0.0%	0.0%	92.8%	4.7%	0.0%	0.0%	1.1%	1.4%	0.0%	0.0%	0.0%
2.3%	0.0%	0.0%	96.9%	0.0%	0.0%	0.0%	0.0%	0.0%	3.1%	0.0%	0.0%
3.7%	9.0%	0.7%	4.6%	20.0%	2.4%	17.3%	1.9%	4.3%	4.9%	3.2%	0.0%
0.2%	0.0%	0.3%	98.8%	0.2%	0.0%	0.0%	0.0%	0.9%	0.1%	0.0%	0.0%
12.4%	8.8%	10.5%	57.3%	6.8%	0.0%	12.3%	0.0%	5.9%	16.5%	1.2%	0.2%
0.9%	1.9%	0.0%	55.9%	13.4%	0.0%	24.8%	3.1%	1.2%	0.9%	0.7%	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%
2.1%	1.9%	0.0%	60.5%	18.6%	0.0%	9.6%	2.8%	4.5%	2.9%	1.2%	0.0%
4.3%	9.2%	28.5%	8.1%	14.3%	0.0%	22.6%	9.7%	1.0%	6.1%	7.5%	30.6%
16.4%	4.4%	0.0%	6.2%	14.1%	0.1%	4.2%	1.4%	0.4%	16.1%	1.7%	0.0%
0.7%	1.7%	0.6%	38.7%	12.8%	3.0%	32.8%	3.5%	5.5%	2.2%	1.4%	0.0%
0.2%	0.0%	0.0%	98.6%	0.0%	0.6%	0.4%	0.0%	0.0%	0.4%	0.0%	0.0%
0.4%	9.1%	1.0%	17.3%	13.4%	32.8%	30.2%	1.8%	2.1%	0.8%	1.7%	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%
3.8%	7.4%	0.0%	84.9%	3.2%	0.0%	6.3%	1.0%	0.5%	2.4%	1.6%	0.0%
0.4%	4.1%	0.1%	82.7%	2.3%	0.0%	6.8%	0.0%	2.3%	0.2%	5.7%	0.0%
2.8%	16.1%	0.0%	81.0%	2.5%	0.0%	0.0%	3.2%	0.0%	2.3%	11.1%	0.0%
1.7%	1.7%	0.1%	69.5%	5.8%	0.0%	19.0%	2.6%	0.3%	1.6%	1.1%	0.0%
2.3%	0.3%	0.0%	93.9%	1.0%	0.0%	2.1%	0.2%	0.1%	2.5%	0.3%	0.0%
0.1%	0.3%	0.6%	4.3%	30.9%	0.0%	49.7%	14.0%	0.6%	0.1%	0.1%	0.4%
6.0%	8.5%	1.7%	8.7%	12.9%	0.0%	58.1%	3.9%	0.2%	8.6%	6.3%	1.3%
0.0%	1.7%	1.6%	67.4%	2.2%	0.0%	18.8%	0.0%	0.0%	0.0%	5.9%	5.7%
0.9%	4.6%	0.0%	57.7%	20.8%	0.0%	12.7%	2.6%	1.1%	1.0%	4.0%	0.0%
0.5%	3.4%	0.0%	48.9%	30.0%	1.7%	16.5%	0.0%	0.5%	0.3%	2.0%	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%

Research by Major Discipline		2002 Total Research by Major Discipline					
		Percent Life Science	Percent Physical Science	Percent Enviro Science	Percent Eng Science	Percent Computer Science	Percent Math
Institutions with Over \$20 Million in Federal Research, Alphabetically <i>(continued)</i>							
Public	University of California - Berkeley	35.9%	16.6%	1.5%	29.0%	0.1%	1.6%
Public	University of California - Davis	73.8%	4.7%	6.5%	9.3%	0.6%	0.5%
Public	University of California - Irvine	64.6%	9.7%	3.3%	10.9%	4.0%	0.7%
Public	University of California - Los Angeles	72.9%	8.7%	1.9%	6.5%	1.4%	0.5%
Public	University of California - Riverside	52.7%	6.7%	11.0%	13.2%	2.1%	0.4%
Public	University of California - San Diego	50.3%	6.7%	19.5%	10.5%	9.7%	0.3%
Public	University of California - San Francisco	95.4%	4.6%	0.0%	0.0%	0.0%	0.0%
Public	University of California - Santa Barbara	3.3%	19.7%	17.3%	33.7%	8.6%	1.1%
Public	University of California - Santa Cruz	1.7%	44.2%	21.7%	0.5%	4.0%	1.4%
Public	University of Central Florida	8.8%	23.6%	13.9%	15.0%	0.4%	0.2%
Private	University of Chicago	78.2%	14.8%	2.0%	0.1%	0.8%	1.2%
Public	University of Cincinnati - Cincinnati	81.2%	2.7%	0.2%	12.3%	0.0%	0.2%
Public	University of Colorado - Boulder	18.8%	26.3%	27.4%	14.8%	2.4%	0.7%
Public	University of Colorado Health Sciences Center	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Public	University of Connecticut - Health Center	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Public	University of Connecticut - Storrs	45.2%	8.0%	10.2%	16.8%	1.3%	0.7%
Private	University of Dayton	0.9%	2.6%	0.4%	95.3%	0.2%	0.0%
Public	University of Delaware	24.6%	15.3%	12.1%	36.8%	2.6%	0.8%
Public	University of Florida	67.3%	7.4%	1.4%	16.4%	0.7%	1.6%
Public	University of Georgia	70.0%	3.9%	4.7%	2.8%	0.8%	2.0%
Public	University of Hawaii - Manoa	36.0%	13.7%	28.4%	4.5%	6.3%	0.0%
Public	University of Houston - University Park	20.0%	10.5%	2.0%	37.0%	9.4%	0.9%
Public	University of Idaho	66.3%	3.2%	5.1%	15.9%	1.7%	0.3%
Public	University of Illinois - Chicago	71.8%	5.0%	0.6%	6.0%	3.3%	2.2%
Public	University of Illinois - Urbana-Champaign	28.4%	11.3%	8.5%	24.5%	17.6%	0.8%
Public	University of Iowa	78.7%	6.4%	0.8%	9.5%	0.2%	0.4%
Public	University of Kansas - Lawrence	50.6%	7.5%	10.9%	18.5%	1.3%	0.6%
Public	University of Kansas Medical Center	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Public	University of Kentucky	66.4%	3.3%	1.3%	16.6%	2.2%	0.3%
Public	University of Louisville	79.2%	2.2%	0.5%	9.2%	0.1%	0.3%
Public	University of Maine - Orono	31.6%	6.7%	30.5%	21.0%	3.0%	0.2%
Public	University of Maryland - Baltimore	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Public	University of Maryland - Baltimore County	8.5%	16.9%	42.2%	19.8%	1.5%	2.2%
Public	University of Maryland - College Park	17.4%	25.0%	3.4%	23.1%	9.9%	0.7%
Public	University of Massachusetts - Amherst	27.6%	24.5%	4.2%	19.4%	13.1%	2.9%
Public	University of Massachusetts Medical Sch - Worcester	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Public	University of Medicine & Dentistry of New Jersey	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Private	University of Miami	68.7%	1.6%	21.8%	1.4%	0.0%	0.1%
Public	University of Michigan - Ann Arbor	54.1%	4.1%	0.8%	23.7%	1.1%	0.6%
Public	University of Minnesota - Twin Cities	75.3%	4.6%	2.4%	9.6%	1.9%	1.2%
Public	University of Mississippi - Oxford	34.0%	31.7%	0.0%	13.8%	0.8%	0.3%
Public	University of Missouri - Columbia	74.7%	2.5%	1.3%	11.1%	0.1%	0.6%
Public	University of Montana - Missoula	68.4%	4.5%	1.4%	0.0%	1.6%	0.7%
Public	University of Nebraska - Lincoln	49.4%	7.1%	4.3%	15.4%	2.5%	1.2%
Public	University of Nebraska Medical Center	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Public	University of Nevada - Las Vegas	10.8%	13.7%	48.9%	16.1%	4.0%	0.0%

2002 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
2.1%	10.8%	2.5%	39.8%	25.7%	0.0%	25.7%	0.2%	2.8%	3.0%	2.3%	0.5%
0.3%	3.6%	0.8%	70.6%	8.0%	6.8%	9.7%	0.7%	0.9%	0.3%	2.3%	0.6%
2.2%	4.5%	0.1%	67.7%	12.2%	2.6%	7.1%	3.5%	0.9%	3.2%	2.7%	0.0%
1.4%	5.5%	1.2%	73.7%	9.4%	0.8%	9.1%	2.1%	0.9%	2.0%	1.6%	0.4%
1.6%	8.8%	3.5%	44.9%	17.8%	5.9%	12.6%	5.7%	0.4%	5.0%	7.7%	0.0%
1.1%	1.8%	0.2%	62.3%	9.9%	0.1%	10.6%	13.6%	0.4%	1.8%	1.3%	0.0%
0.0%	0.0%	0.0%	93.6%	6.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
5.4%	9.3%	1.6%	4.7%	28.3%	0.9%	37.0%	11.7%	1.2%	7.1%	8.5%	0.6%
1.5%	5.2%	0.2%	25.0%	50.3%	0.7%	8.2%	9.0%	1.4%	2.4%	2.9%	0.1%
2.9%	9.1%	26.2%	15.0%	27.1%	0.0%	19.7%	0.9%	0.4%	6.7%	12.4%	17.8%
1.7%	1.1%	0.0%	78.7%	15.4%	0.0%	0.1%	1.0%	1.5%	2.1%	1.2%	0.0%
0.5%	1.5%	1.5%	88.9%	1.6%	0.0%	8.6%	0.0%	0.1%	0.1%	0.7%	0.0%
3.7%	5.4%	0.4%	36.0%	32.8%	0.3%	16.1%	2.9%	0.9%	4.5%	6.1%	0.4%
0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
7.7%	9.6%	0.6%	53.2%	9.3%	0.0%	15.2%	1.6%	0.9%	11.9%	8.0%	0.0%
0.5%	0.0%	0.0%	0.7%	2.9%	0.0%	96.2%	0.1%	0.0%	0.0%	0.0%	0.0%
1.4%	6.4%	0.0%	19.2%	21.6%	0.0%	44.3%	2.4%	1.1%	2.3%	9.1%	0.0%
1.6%	3.6%	0.0%	61.6%	10.7%	0.0%	19.0%	1.2%	2.4%	0.3%	2.1%	0.0%
3.6%	12.2%	0.0%	80.7%	5.3%	0.0%	1.7%	0.6%	1.5%	6.9%	3.3%	0.0%
0.5%	2.2%	8.5%	45.1%	19.9%	2.3%	5.9%	12.0%	0.0%	0.8%	2.2%	12.0%
14.2%	6.0%	0.0%	27.9%	10.3%	0.0%	28.1%	9.4%	1.2%	20.1%	3.0%	0.0%
0.3%	4.3%	0.3%	58.5%	4.0%	2.9%	24.4%	3.5%	0.4%	0.3%	3.4%	2.6%
2.4%	5.1%	3.6%	75.7%	5.4%	0.0%	4.2%	4.2%	3.1%	2.8%	3.6%	1.0%
2.2%	5.8%	0.9%	22.4%	15.0%	0.3%	30.2%	25.3%	1.1%	2.7%	2.1%	0.9%
1.6%	2.3%	0.1%	81.7%	8.0%	0.4%	6.1%	0.3%	0.4%	2.2%	0.9%	0.0%
1.7%	6.7%	2.2%	58.6%	10.4%	0.0%	17.5%	0.1%	1.1%	3.1%	6.2%	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%
1.4%	2.1%	6.4%	66.9%	4.5%	0.0%	15.8%	2.3%	0.5%	2.9%	2.1%	5.0%
3.0%	4.7%	0.8%	77.4%	3.1%	0.2%	9.2%	0.1%	0.3%	4.8%	4.0%	0.9%
0.9%	6.0%	0.1%	41.7%	14.5%	0.0%	28.2%	3.2%	0.5%	3.3%	8.6%	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%
3.3%	5.6%	0.0%	18.5%	33.9%	0.0%	28.3%	2.4%	4.6%	5.5%	6.9%	0.0%
1.2%	19.3%	0.0%	14.2%	31.0%	0.0%	24.4%	10.9%	0.6%	1.6%	17.3%	0.0%
4.7%	2.7%	1.1%	30.0%	27.3%	0.4%	14.6%	15.9%	3.8%	6.7%	1.3%	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%
0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
4.9%	1.5%	0.0%	81.3%	3.0%	1.9%	1.7%	0.0%	0.2%	9.2%	2.7%	0.0%
1.8%	13.7%	0.0%	54.4%	4.9%	0.0%	23.3%	0.6%	0.7%	1.9%	14.2%	0.0%
2.0%	3.0%	0.0%	75.5%	6.3%	0.7%	9.9%	2.5%	1.4%	2.3%	1.3%	0.0%
0.3%	8.2%	10.9%	30.9%	34.3%	0.0%	14.5%	0.9%	0.0%	0.3%	9.6%	9.5%
2.5%	6.9%	0.2%	77.5%	3.2%	0.0%	9.3%	0.3%	0.9%	3.5%	5.2%	0.0%
0.4%	11.9%	11.1%	80.0%	5.3%	0.2%	0.0%	1.6%	1.0%	0.7%	11.4%	0.0%
3.9%	6.9%	9.2%	49.2%	15.3%	0.0%	12.5%	5.5%	1.2%	7.9%	5.5%	2.9%
0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
0.5%	6.0%	0.0%	12.2%	8.5%	57.5%	13.8%	5.6%	0.0%	0.0%	2.4%	0.0%



Research by Major Discipline		2002 Total Research by Major Discipline					
		Percent Life Science	Percent Physical Science	Percent Enviro Science	Percent Eng Science	Percent Computer Science	Percent Math
Institutions with Over \$20 Million in Federal Research, Alphabetically <i>(continued)</i>							
Public	University of Nevada - Reno	51.9%	8.1%	10.4%	14.5%	0.7%	0.7%
Public	University of New Hampshire - Durham	26.4%	3.3%	41.5%	18.3%	0.5%	0.3%
Public	University of New Mexico - Albuquerque	48.4%	5.4%	1.3%	17.3%	1.9%	0.5%
Public	University of North Carolina - Chapel Hill	74.8%	5.0%	4.2%	0.0%	2.4%	0.3%
Public	University of North Dakota	29.8%	3.0%	9.8%	50.9%	0.7%	0.0%
Private	University of Notre Dame	17.7%	34.0%	0.0%	25.6%	2.4%	1.1%
Public	University of Oklahoma - Norman	8.0%	16.6%	31.4%	15.8%	2.8%	0.6%
Public	University of Oklahoma Health Sciences Center	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Public	University of Oregon	43.3%	19.9%	3.6%	0.4%	4.9%	1.1%
Private	University of Pennsylvania	80.9%	4.5%	0.1%	3.5%	2.0%	0.4%
Public	University of Pittsburgh - Pittsburgh	86.0%	3.4%	0.2%	4.4%	0.8%	0.3%
Public	University of Puerto Rico - Medical Sciences	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Public	University of Rhode Island	22.9%	1.1%	44.7%	10.0%	0.3%	0.1%
Private	University of Rochester	67.1%	4.9%	0.3%	21.5%	1.1%	0.1%
Public	University of South Carolina - Columbia	27.0%	19.5%	16.5%	23.0%	0.0%	1.9%
Public	University of South Florida	67.9%	1.8%	12.9%	9.7%	0.1%	0.1%
Private	University of Southern California	55.1%	2.3%	4.1%	13.4%	19.9%	0.7%
Public	University of Southern Mississippi	8.2%	26.6%	42.7%	6.0%	5.5%	0.0%
Public	University of Tennessee - Knoxville	60.7%	5.5%	3.1%	18.5%	5.1%	0.2%
Public	University of Texas - Austin	12.3%	23.0%	8.5%	36.8%	8.5%	5.2%
Public	University of Texas Health Science Center - Houston	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Public	University of Texas Health Science Ctr - San Antonio	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Public	University of Texas MD Anderson Cancer Center	94.2%	1.9%	0.0%	0.0%	0.0%	3.9%
Public	University of Texas Medical Branch - Galveston	98.2%	0.0%	0.0%	1.8%	0.0%	0.0%
Public	University of Texas SW Medical Center - Dallas	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Public	University of Utah	66.7%	7.3%	2.4%	12.2%	9.1%	0.6%
Public	University of Vermont	90.2%	1.7%	0.5%	2.3%	0.0%	1.3%
Public	University of Virginia	67.6%	7.8%	2.4%	15.8%	2.6%	0.4%
Public	University of Washington - Seattle	69.5%	4.5%	11.4%	9.3%	1.1%	0.7%
Public	University of Wisconsin - Madison	62.0%	7.6%	5.2%	13.5%	1.7%	0.6%
Public	University of Wyoming	47.4%	7.4%	15.6%	8.8%	0.8%	0.5%
Public	US Naval Postgraduate School	0.0%	6.3%	24.1%	26.6%	11.7%	9.1%
Public	Utah State University	30.7%	3.6%	8.1%	45.7%	0.6%	0.7%
Private	Vanderbilt University	77.8%	5.1%	0.1%	8.6%	0.3%	0.2%
Public	Virginia Commonwealth University	87.2%	4.6%	0.3%	3.4%	0.0%	0.2%
Public	Virginia Polytechnic Institute and State University	43.7%	5.5%	5.8%	37.1%	1.9%	1.0%
Private	Wake Forest University	97.6%	1.6%	0.0%	0.0%	0.0%	0.2%
Public	Washington State University - Pullman	63.1%	5.7%	4.3%	16.1%	0.0%	0.5%
Private	Washington University in St. Louis	89.9%	3.0%	1.2%	2.0%	1.4%	0.2%
Public	Wayne State University	79.9%	8.1%	0.1%	5.9%	0.6%	0.2%
Public	West Virginia University	56.9%	5.1%	6.8%	26.5%	0.2%	0.3%
Private	Woods Hole Oceanographic Institution	0.0%	0.0%	77.6%	22.4%	0.0%	0.0%
Private	Yale University	85.9%	5.9%	0.7%	2.8%	1.4%	0.4%
Private	Yeshiva University	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%

2002 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
1.2%	2.5%	10.1%	57.5%	14.1%	0.0%	22.0%	1.2%	1.4%	1.9%	2.0%	0.0%
1.0%	4.9%	3.9%	37.5%	10.6%	0.0%	34.3%	1.3%	0.7%	3.6%	12.1%	0.0%
6.2%	4.8%	14.1%	48.9%	7.1%	0.0%	19.1%	2.5%	0.7%	7.6%	2.6%	11.5%
1.5%	11.8%	0.0%	77.5%	5.4%	0.0%	0.0%	2.9%	0.3%	1.9%	12.0%	0.0%
0.1%	0.2%	5.5%	37.3%	2.6%	2.0%	55.6%	0.9%	0.0%	0.0%	0.0%	1.7%
4.2%	4.3%	10.8%	20.4%	44.4%	0.0%	22.9%	3.2%	1.7%	5.4%	1.9%	0.1%
12.2%	12.5%	0.0%	25.1%	31.1%	0.0%	16.6%	0.7%	0.4%	14.4%	11.6%	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%
20.2%	6.5%	0.0%	43.4%	20.0%	0.9%	0.1%	5.9%	1.3%	23.6%	4.8%	0.0%
0.7%	6.6%	1.2%	83.7%	5.4%	0.0%	3.7%	2.4%	0.5%	0.8%	3.0%	0.6%
1.4%	3.5%	0.0%	88.1%	3.9%	0.0%	3.1%	0.8%	0.4%	1.8%	1.9%	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%
10.1%	0.9%	9.9%	42.3%	2.2%	0.0%	19.1%	0.6%	0.0%	21.4%	0.2%	12.3%
4.5%	0.2%	0.4%	64.4%	5.8%	0.0%	24.3%	1.3%	0.1%	3.9%	0.2%	0.0%
2.5%	7.9%	1.7%	30.9%	18.8%	4.2%	31.2%	0.0%	2.6%	4.3%	7.1%	0.9%
5.8%	1.8%	0.0%	77.5%	1.6%	0.0%	12.0%	0.0%	0.2%	7.0%	1.7%	0.0%
1.2%	2.5%	0.9%	52.5%	2.3%	0.2%	14.6%	26.8%	0.9%	1.4%	1.2%	0.1%
1.4%	0.0%	9.6%	16.0%	40.2%	0.0%	11.8%	11.6%	0.0%	0.9%	0.0%	19.4%
0.1%	3.7%	3.0%	64.0%	9.2%	2.8%	15.8%	5.8%	0.4%	0.2%	1.7%	0.2%
1.7%	3.6%	0.4%	13.2%	25.2%	0.0%	38.0%	12.0%	5.9%	2.3%	2.9%	0.4%
0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
0.0%	0.0%	0.0%	93.8%	2.9%	0.0%	0.0%	0.0%	3.3%	0.0%	0.0%	0.0%
0.0%	0.0%	0.0%	98.7%	0.0%	0.0%	1.3%	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%
1.1%	0.7%	0.0%	68.9%	8.4%	0.0%	10.4%	10.0%	0.7%	1.3%	0.2%	0.0%
1.1%	0.2%	2.6%	92.0%	1.9%	0.0%	1.8%	0.0%	1.1%	0.8%	0.1%	2.4%
2.8%	0.5%	0.1%	69.6%	8.5%	0.0%	14.9%	2.8%	0.4%	3.0%	0.6%	0.1%
1.4%	2.1%	0.0%	80.4%	4.7%	0.0%	9.8%	1.5%	0.9%	1.8%	0.8%	0.0%
3.7%	5.6%	0.0%	56.6%	10.1%	1.0%	18.1%	2.4%	0.7%	5.7%	5.3%	0.0%
1.9%	3.8%	14.0%	55.3%	13.6%	0.0%	13.7%	1.7%	0.8%	3.8%	4.3%	6.9%
0.0%	13.7%	8.5%	0.0%	8.3%	0.0%	35.0%	15.4%	11.9%	0.0%	18.1%	11.2%
1.9%	3.0%	5.8%	24.1%	4.8%	0.0%	65.7%	0.6%	0.9%	1.6%	2.0%	0.4%
2.9%	3.2%	1.9%	80.0%	5.3%	0.0%	8.2%	0.3%	0.2%	2.7%	2.8%	0.4%
2.9%	1.3%	0.0%	86.6%	4.7%	0.2%	3.6%	0.0%	0.3%	3.5%	1.1%	0.0%
1.1%	3.9%	0.0%	28.9%	8.0%	12.1%	42.4%	1.9%	1.9%	1.8%	3.0%	0.0%
0.0%	0.0%	0.5%	98.2%	1.4%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.1%
0.2%	9.2%	0.9%	61.3%	9.0%	0.0%	21.1%	0.0%	1.0%	0.3%	6.4%	0.9%
0.7%	1.4%	0.2%	90.9%	3.3%	0.0%	1.8%	1.6%	0.2%	0.7%	1.5%	0.0%
1.5%	3.4%	0.5%	80.7%	8.9%	0.0%	5.6%	0.7%	0.3%	1.9%	1.9%	0.0%
0.4%	1.6%	2.1%	45.4%	7.1%	7.3%	35.3%	0.2%	0.4%	0.4%	1.4%	2.4%
0.0%	0.0%	0.0%	0.0%	0.0%	58.7%	41.3%	0.0%	0.0%	0.0%	0.0%	0.0%
1.7%	1.2%	0.0%	87.5%	6.4%	0.0%	2.5%	1.4%	0.4%	1.4%	0.3%	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%

<b>Endowment Assets</b>		2003	2003	2003	2002	2002	2002
Institutions with Over \$20 Million in Federal Research, Alphabetically		— Endowment Assets x \$1000	— National Rank	— Control Rank	— Endowment Assets x \$1000	— National Rank	— Control Rank
Public	Arizona State University - Tempe	221,179	169	62	205,660	179	67
Public	Auburn University	224,287	167	61	217,747	173	65
Private	Baylor College of Medicine	833,644	50	35	885,915	48	33
Private	Boston College	968,511	43	31	964,313	44	31
Private	Boston University	620,300	67	49	578,473	75	52
Private	Brandeis University	407,824	101	68	384,335	107	71
Private	Brown University	1,461,327	25	20	1,414,285	25	20
Private	California Institute of Technology	1,145,216	32	24	1,154,540	31	24
Private	Carnegie Mellon University	654,678	61	44	667,807	63	44
Private	Case Western Reserve University	1,289,274	27	21	1,347,054	27	21
Private	Charles R. Drew University of Medicine and Science	NR			2,200	731	462
Public	Clemson University	213,448	173	63	200,989	182	69
Public	Colorado State University	103,797	293	105	97,274	304	107
Private	Columbia University	4,350,000	6	6	4,208,373	7	7
Private	Cornell University	2,854,771	16	14	2,853,742	16	14
Private	Dartmouth College	2,121,183	18	16	2,186,610	18	16
Public	Desert Research Institute	NR			NR		
Private	Drexel University	349,948	116	79	218,495	172	108
Private	Duke University	3,017,261	14	12	2,927,478	15	13
Private	Emory University	4,019,766	7	7	4,551,873	6	6
Public	Florida A&M University	NR			NR		
Public	Florida International University	52,880	418	141	48,712	438	144
Public	Florida State University	333,750	121	40	325,098	124	44
Public	George Mason University	NR			NR		
Private	George Washington University	634,100	65	47	646,964	67	47
Private	Georgetown University	591,042	71	51	606,718	69	48
Public	Georgia Institute of Technology	1,021,481	39	11	1,073,443	37	11
Private	Harvard University	18,849,491	1	1	17,169,757	1	1
Private	Howard University	317,110	125	83	312,739	127	82
Public	Indiana University - Bloomington	489,355	85	27	497,115	83	27
Public	Indiana University-Purdue University - Indianapolis	423,481	93	31	430,196	94	31
Public	Iowa State University	339,330	120	39	335,927	121	41
Public	Jackson State University	NR			NR		
Private	Johns Hopkins University	1,714,541	23	19	1,695,150	22	19
Public	Kansas State University	168,206	201	74	172,307	198	73
Private	Loma Linda University	124,771	256	161	121,888	266	170
Public	Louisiana State University - Baton Rouge	227,232	165	60	202,000	180	68
Public	Louisiana State University Health Sciences Center	58,788	393	133	52,716	424	139
Private	Loyola University Chicago	192,100	187	117	198,100	184	115
Private	Massachusetts Institute of Technology	5,133,613	5	5	5,359,423	5	5
Private	MCP Hahnemann University	NR			75,243	354	233
Public	Medical College of Georgia	80,022	341	120	76,244	352	121
Private	Medical College of Wisconsin	55,963	404	266	54,627	415	278
Public	Medical University of South Carolina	69,950	366	126	69,829	369	126
Private	Meharry Medical College	30,907	544	360	29,863	549	369
Public	Michigan State University	592,004	70	20	523,284	82	26

2001 — Endowment Assets x \$1000	2001 — National Rank	2001 — Control Rank	2000 — Endowment Assets x \$1000	2000 — National Rank	2000 — Control Rank	1999 — Endowment Assets x \$1000	1999 — National Rank	1999 — Control Rank
207,062	182	68	216,823	186	71	183,440	191	68
258,965	160	57	238,170	171	62	233,049	160	54
984,150	45	32	1,044,685	41	29	1,029,156	34	25
1,003,832	44	31	1,044,542	42	30	908,000	41	29
664,581	67	48	913,207	50	36	652,161	63	46
397,046	108	75	406,722	105	75	355,012	107	78
1,434,212	26	20	1,416,052	29	22	1,181,514	29	22
1,365,798	29	22	1,471,645	27	21	1,333,229	27	21
756,930	59	42	829,121	59	42	719,320	55	39
1,434,000	27	21	1,550,600	26	20	1,434,200	24	20
2,200	684	425	2,200	702	432	NR		
214,398	181	67	236,348	175	65	214,566	169	57
103,130	310	108	104,777	314	107	84,342	317	106
4,292,793	7	7	4,263,972	7	7	3,636,621	8	8
3,151,384	15	13	3,384,415	11	10	2,869,103	12	11
2,414,231	18	16	2,490,376	18	16	1,710,585	18	16
NR			NR			NR		
237,413	170	108	244,576	168	109	225,412	162	108
3,131,375	16	14	3,232,049	15	13	1,678,728	19	17
4,315,872	6	6	5,028,407	6	6	4,475,755	5	5
NR			NR			NR		
47,683	527	176	NR			NR		
328,988	127	44	288,500	151	52	247,471	154	52
NR			NR			NR		
713,060	64	46	737,647	65	47	673,589	62	45
685,473	65	47	745,398	64	46	684,193	57	40
1,093,622	41	12	1,141,666	36	10	948,600	37	10
17,950,843	1	1	18,844,338	1	1	14,255,996	1	1
324,019	130	85	308,972	142	96	291,468	131	90
479,918	87	26	499,105	86	25	400,000	94	27
415,314	106	33	381,134	118	37	350,000	111	33
338,505	114	37	410,704	103	30	266,348	143	45
NR			NR			NR		
1,822,713	22	19	1,825,212	22	19	1,520,793	22	19
184,774	198	74	188,054	205	76	152,366	215	77
127,324	272	176	129,836	266	174	NR		
184,000	199	75	189,813	204	75	176,925	195	70
42,319	474	153	21,840	591	202	10,303	574	212
282,900	145	95	341,700	130	88	302,930	126	87
6,134,712	5	5	6,475,506	5	5	4,287,701	6	6
96,389	321	211	109,710	304	203	NR		
82,657	346	117	91,225	331	112	79,754	331	112
59,141	411	274	65,307	396	266	57,859	379	254
75,880	366	124	81,408	360	120	82,696	326	110
20,185	595	389	20,312	606	399	20,996	527	342
448,570	93	28	310,289	141	46	265,238	144	46

<b>Endowment Assets</b>		2003	2003	2003	2002	2002	2002
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		— Endowment Assets x \$1000	— National Rank	— Control Rank	— Endowment Assets x \$1000	— National Rank	— Control Rank
Public	Mississippi State University	154,396	219	81	136,050	237	87
Public	Montana State University - Bozeman	52,089	422	142	42,753	467	150
Private	Morehouse School of Medicine	NR			NR		
Private	Mount Sinai School of Medicine	NR			NR		
Public	New Jersey Institute of Technology	42,548	469	156	37,827	492	161
Public	New Mexico State University - Las Cruces	93,410	318	112	88,972	324	112
Private	New York University	1,244,600	29	23	1,177,600	30	23
Public	North Carolina State University	289,060	134	47	297,566	129	46
Public	North Dakota State University	NR			NR		
Private	Northeastern University	410,691	100	67	422,920	96	65
Private	Northwestern University	3,051,167	13	11	3,022,733	13	11
Public	Ohio State University - Columbus	1,216,574	30	7	960,079	45	14
Public	Oklahoma State University - Stillwater	149,279	224	83	153,179	218	79
Public	Oregon Health & Science University	249,603	152	52	248,362	155	58
Public	Oregon State University	235,863	159	57	235,572	159	60
Public	Pennsylvania State University - Hershey Medical Ctr	128,719	250	94	124,767	260	95
Public	Pennsylvania State University - University Park	689,567	57	16	695,128	59	19
Private	Princeton University	8,730,100	3	3	8,319,600	3	3
Public	Purdue University - West Lafayette	1,017,667	40	12	1,098,939	35	10
Private	Rensselaer Polytechnic Institute	510,883	80	57	530,850	81	56
Private	Rice University	2,937,649	15	13	2,939,804	14	12
Private	Rockefeller University	1,278,100	28	22	1,288,100	28	22
Private	Rush University	293,326	132	87	292,303	135	85
Public	Rutgers the State University of NJ - New Brunswick	366,324	111	36	355,799	115	39
Private	Saint Louis University - St. Louis	645,382	62	45	692,126	60	41
Public	San Diego State University	62,342	382	130	59,133	398	134
Private	Stanford University	8,614,000	4	4	7,613,000	4	4
Public	State Univ. of New York Health Science Ctr - Brooklyn	33,958	528	181	34,303	517	174
Public	Stony Brook University	43,699	463	154	40,419	481	155
Private	Syracuse University	656,893	59	43	657,769	64	45
Public	Temple University	158,111	213	79	141,164	227	84
Public	Texas A&M University	3,525,114	9	1	3,503,862	9	1
Public	Texas A&M University System Health Sciences Center	57,421	398	136	52,408	427	141
Public	Texas Tech University	199,189	181	68	332,456	122	42
Private	Thomas Jefferson University	NR			178,569	194	122
Private	Tufts University	669,286	58	42	651,808	66	46
Private	Tulane University	633,740	66	48	600,964	70	49
Public	University at Albany	14,770	660	234	13,438	664	231
Public	University at Buffalo	378,385	108	35	388,216	106	36
Public	University of Alabama - Birmingham	242,125	156	55	251,185	152	56
Public	University of Alabama - Huntsville	18,069	631	218	18,745	619	209
Public	University of Alabama - Tuscaloosa	342,107	118	38	354,909	116	40
Public	University of Alaska - Fairbanks	41,717	475	159	34,837	514	171
Public	University of Arizona	297,745	130	45	292,380	133	50
Public	University of Arkansas - Fayetteville	493,775	84	26	569,859	77	25
Public	University of Arkansas for Medical Sciences	40,291	482	162	NR		

2001 — Endowment Assets x \$1000	2001 — National Rank	2001 — Control Rank	2000 — Endowment Assets x \$1000	2000 — National Rank	2000 — Control Rank	1999 — Endowment Assets x \$1000	1999 — National Rank	1999 — Control Rank
144,582	245	88	153,750	240	86	160,399	205	73
43,228	469	150	42,606	479	155	NR		
NR			NR			NR		
NR			NR			NR		
37,809	497	165	40,932	489	160	33,719	478	158
97,438	319	110	87,813	341	114	47,000	416	137
1,118,300	37	28	1,030,800	43	31	1,035,900	33	24
310,616	138	48	312,840	140	45	275,532	133	42
NR			NR			NR		
493,926	85	60	518,536	85	61	396,205	95	68
3,256,282	13	11	3,368,233	13	12	2,634,850	14	13
1,111,823	38	10	1,294,923	33	9	1,086,350	32	9
167,670	215	77	166,885	222	81	156,074	209	74
230,369	173	64	237,446	173	63	216,530	167	56
266,748	155	55	266,324	161	56	241,973	158	53
93,761	324	111	97,630	321	109	79,219	334	113
750,090	60	18	781,038	62	18	633,748	66	18
8,359,000	3	3	8,398,100	4	4	6,469,200	3	3
1,217,118	32	8	1,301,976	32	8	1,222,411	28	7
618,912	75	52	729,973	66	48	516,238	80	58
3,243,033	14	12	3,372,458	12	11	2,936,622	11	10
1,361,200	30	23	1,372,200	30	23	1,007,600	36	27
328,962	128	84	387,590	116	81	347,611	112	79
372,973	113	36	400,259	108	31	350,741	109	31
819,115	56	39	925,955	49	35	907,822	42	30
59,165	410	137	57,146	424	141	51,282	399	131
8,249,551	4	4	8,649,475	3	3	6,005,211	4	4
36,744	502	168	37,710	508	170	36,254	461	150
40,450	485	160	38,145	505	167	22,383	524	184
735,484	62	44	825,250	60	43	641,466	64	47
140,286	248	89	156,762	235	83	141,527	232	83
3,764,843	9	1	3,932,469	9	1	3,596,759	9	1
56,432	419	139	58,882	418	139	NR		
316,483	134	46	293,407	148	49	197,532	180	65
400,000	107	74	400,000	109	78	384,973	98	71
548,998	80	56	523,520	84	60	464,107	84	61
638,871	70	50	636,350	76	55	548,305	76	55
11,043	646	231	10,337	665	242	9,369	581	218
428,085	103	30	447,322	96	27	438,002	85	24
247,638	166	60	228,740	178	66	204,680	174	60
18,480	604	209	20,456	604	206	16,596	552	196
349,897	122	41	370,695	121	39	331,913	120	37
33,402	526	175	34,264	529	177	31,133	490	165
310,174	139	49	285,356	152	53	272,950	135	43
233,858	171	63	244,125	169	60	222,838	165	55
59,401	409	136	64,079	401	133	NR		

<b>Endowment Assets</b>		2003	2003	2003	2002	2002	2002
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		— Endowment Assets x \$1000	— National Rank	— Control Rank	— Endowment Assets x \$1000	— National Rank	— Control Rank
Public	University of California - Berkeley	1,793,647	22	4	1,774,200	21	3
Public	University of California - Davis	58,838	392	132	400,837	99	33
Public	University of California - Irvine	123,706	257	96	117,884	271	98
Public	University of California - Los Angeles	499,139	81	24	1,224,018	29	7
Public	University of California - Riverside	63,886	379	129	65,881	382	131
Public	University of California - San Diego	158,989	211	78	259,241	149	55
Public	University of California - San Francisco	259,465	147	51	797,414	55	17
Public	University of California - Santa Barbara	88,346	326	117	80,830	343	119
Public	University of California - Santa Cruz	74,643	354	122	68,762	376	128
Public	University of Central Florida	54,423	412	140	52,536	425	140
Private	University of Chicago	3,221,833	12	10	3,255,368	11	10
Public	University of Cincinnati - Cincinnati	873,327	47	13	894,031	47	15
Public	University of Colorado - Boulder	193,468	183	69	196,852	185	70
Public	University of Colorado Health Sciences Center	119,950	264	98	113,568	281	100
Public	University of Connecticut - Health Center	55,395	409	139	51,802	430	142
Public	University of Connecticut - Storrs	112,468	278	100	105,174	294	104
Private	University of Dayton	258,064	148	97	254,752	151	96
Public	University of Delaware	868,065	48	14	868,225	49	16
Public	University of Florida	585,695	72	21	583,407	74	23
Public	University of Georgia	397,082	106	34	421,807	97	32
Public	University of Hawaii - Manoa	141,463	231	86	144,790	224	82
Public	University of Houston - University Park	280,399	138	48	294,158	131	48
Public	University of Idaho	130,253	248	93	126,395	255	93
Public	University of Illinois - Chicago	117,645	268	99	105,834	292	103
Public	University of Illinois - Urbana-Champaign	615,373	68	19	608,545	68	21
Public	University of Iowa	638,996	64	18	657,682	65	20
Public	University of Kansas - Lawrence	572,938	75	23	585,749	72	22
Public	University of Kansas Medical Center	161,598	209	76	146,437	222	81
Public	University of Kentucky	412,308	97	32	397,763	105	35
Public	University of Louisville	475,193	86	28	478,917	86	28
Public	University of Maine - Orono	83,114	335	118	117,829	272	99
Public	University of Maryland - Baltimore	135,757	240	89	135,944	238	88
Public	University of Maryland - Baltimore County	13,576	670	239	13,594	661	229
Public	University of Maryland - College Park	289,615	133	46	290,013	138	51
Public	University of Massachusetts - Amherst	66,746	372	127	70,994	363	123
Public	University of Massachusetts Medical Sch - Worcester	37,652	502	170	45,178	454	148
Public	University of Medicine & Dentistry of New Jersey	157,397	215	80	156,368	214	78
Private	University of Miami	411,618	99	66	426,955	95	64
Public	University of Michigan - Ann Arbor	3,395,225	11	2	3,240,661	12	2
Public	University of Minnesota - Twin Cities	1,336,020	26	6	1,501,394	24	5
Public	University of Mississippi - Oxford	273,477	141	50	284,069	140	52
Public	University of Missouri - Columbia	433,936	92	30	381,177	109	37
Public	University of Montana - Missoula	79,370	344	121	78,154	348	120
Public	University of Nebraska - Lincoln	581,789	73	22	576,798	76	24
Public	University of Nebraska Medical Center	139,629	233	88	138,432	230	85
Public	University of Nevada - Las Vegas	42,301	470	157	39,595	484	157

2001 — Endowment Assets x \$1000	2001 — National Rank	2001 — Control Rank	2000 — Endowment Assets x \$1000	2000 — National Rank	2000 — Control Rank	1999 — Endowment Assets x \$1000	1999 — National Rank	1999 — Control Rank
1,953,443	21	3	2,168,671	20	3	1,654,557	20	3
58,336	101	29	395,346	112	33	300,828	129	41
82,274	273	97	128,738	268	94	100,276	297	99
471,438	28	7	1,447,371	28	7	1,103,038	31	8
70,203	382	130	63,047	403	134	50,138	404	134
154,546	150	53	292,730	150	51	200,552	178	64
239,910	53	17	912,258	52	15	701,933	56	17
87,152	337	114	85,866	347	115	100,276	297	99
76,352	365	123	85,285	350	116	50,138	404	134
55,747	421	140	60,852	409	136	51,877	398	130
3,516,238	10	9	3,828,664	10	9	2,762,686	13	12
909,268	51	16	963,907	47	14	898,976	44	13
204,598	184	69	238,960	170	61	195,585	181	66
118,037	279	99	119,480	285	98	97,793	301	102
54,530	425	141	53,845	439	143	42,865	432	140
110,713	295	101	125,638	273	96	100,019	299	101
274,449	149	97	297,297	147	99	247,463	155	103
928,398	47	14	911,521	54	17	777,349	52	15
635,143	72	22	681,370	70	21	601,813	70	20
396,765	109	34	388,422	115	35	334,534	119	36
158,611	227	82	172,985	216	79	146,459	226	80
339,277	126	43	390,617	114	34	363,529	103	29
120,361	277	98	108,217	308	104	110,000	277	93
107,811	299	104	119,007	286	99	106,154	283	95
601,944	78	24	585,879	79	23	522,607	78	22
635,507	71	21	537,061	82	24	476,800	82	23
665,412	66	19	684,362	69	20	613,338	68	19
166,353	216	78	171,090	219	80	153,335	214	76
419,211	105	32	369,372	122	40	327,644	121	38
503,207	83	25	454,521	94	26	381,821	100	28
135,043	262	94	109,117	307	103	134,270	245	88
152,023	236	85	149,560	248	88	154,598	210	75
15,202	628	221	14,956	642	229	14,961	559	202
324,316	129	45	319,061	136	43	314,183	125	39
70,787	380	128	65,247	397	131	60,579	371	123
45,046	460	146	41,521	487	159	38,550	452	147
162,131	222	80	140,341	259	91	120,000	263	91
457,843	90	63	465,212	92	67	428,571	89	64
3,469,536	11	2	3,329,637	14	2	2,424,588	15	2
1,650,969	24	5	1,808,812	23	4	1,509,769	23	4
240,368	169	62	218,320	185	70	173,236	197	71
353,645	119	40	379,095	119	38	350,319	110	32
82,505	347	118	71,121	383	127	NR		
629,855	73	23	590,875	78	22	429,991	88	25
149,599	237	86	225,466	180	68	170,631	199	72
44,123	462	147	46,078	463	151	82,895	324	109



<b>Endowment Assets</b>		2003	2003	2003	2002	2002	2002
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		— Endowment Assets x \$1000	— National Rank	— Control Rank	— Endowment Assets x \$1000	— National Rank	— Control Rank
Public	University of Nevada - Reno	44,450	456	151	119,242	268	97
Public	University of New Hampshire - Durham	141,236	232	87	136,134	236	86
Public	University of New Mexico - Albuquerque	201,486	179	66	170,830	201	76
Public	University of North Carolina - Chapel Hill	1,097,418	36	10	1,070,772	38	12
Public	University of North Dakota	NR			NR		
Private	University of Notre Dame	2,573,346	17	15	2,554,004	17	15
Public	University of Oklahoma - Norman	412,068	98	33	398,805	104	34
Public	University of Oklahoma Health Sciences Center	176,601	196	73	170,917	200	75
Public	University of Oregon	234,823	160	58	227,990	165	62
Private	University of Pennsylvania	3,547,473	8	8	3,393,297	10	9
Public	University of Pittsburgh - Pittsburgh	1,156,618	31	8	1,153,362	32	8
Public	University of Puerto Rico - Medical Sciences	NR			NR		
Public	University of Rhode Island	49,354	437	145	53,147	421	138
Private	University of Rochester	1,127,350	33	25	1,141,722	33	25
Public	University of South Carolina - Columbia	312,548	126	43	292,562	132	49
Public	University of South Florida	248,656	153	53	245,803	157	59
Private	University of Southern California	2,113,666	19	17	2,130,977	19	17
Public	University of Southern Mississippi	NR			NR		
Public	University of Tennessee - Knoxville	444,146	90	29	446,948	89	30
Public	University of Texas - Austin	1,640,724	24	5	1,351,158	26	6
Public	University of Texas Health Science Center - Houston	99,139	306	109	87,927	327	113
Public	University of Texas Health Science Ctr - San Antonio	246,573	154	54	226,799	166	63
Public	University of Texas MD Anderson Cancer Center	205,089	177	65	263,643	147	54
Public	University of Texas Medical Branch - Galveston	306,674	127	44	295,898	130	47
Public	University of Texas SW Medical Center - Dallas	656,221	60	17	724,188	57	18
Public	University of Utah	333,253	122	41	324,624	125	45
Public	University of Vermont	192,786	185	70	191,833	187	71
Public	University of Virginia	1,800,882	21	3	1,686,625	23	4
Public	University of Washington - Seattle	1,103,197	35	9	1,111,726	34	9
Public	University of Wisconsin - Madison	850,335	49	15	1,000,857	42	13
Public	University of Wyoming	149,807	223	82	129,473	248	90
Public	US Naval Postgraduate School	NR			NR		
Public	Utah State University	73,372	358	124	74,324	356	122
Private	Vanderbilt University	2,019,139	20	18	2,019,612	20	18
Public	Virginia Commonwealth University	184,017	191	71	185,127	192	72
Public	Virginia Polytechnic Institute and State University	331,311	123	42	328,680	123	43
Private	Wake Forest University	725,155	54	39	732,570	56	39
Public	Washington State University - Pullman	495,623	83	25	473,225	87	29
Private	Washington University in St. Louis	3,454,704	10	9	3,517,104	8	8
Public	Wayne State University	147,845	227	84	148,679	221	80
Public	West Virginia University	275,058	140	49	271,970	142	53
Private	Woods Hole Oceanographic Institution	269,300	143	93	234,600	160	100
Private	Yale University	11,034,600	2	2	10,523,600	2	2
Private	Yeshiva University	914,130	45	33	864,020	50	34

2001 — Endowment Assets x \$1000	2001 — National Rank	2001 — Control Rank	2000 — Endowment Assets x \$1000	2000 — National Rank	2000 — Control Rank	1999 — Endowment Assets x \$1000	1999 — National Rank	1999 — Control Rank
128,147	270	95	128,789	267	93	117,139	266	92
148,256	238	87	156,016	237	85	135,880	240	87
186,655	197	73	202,558	196	72	193,377	182	67
1,045,750	42	13	1,105,254	37	11	925,746	38	11
NR			NR			NR		
2,829,914	17	15	3,089,007	17	15	1,984,256	16	14
384,432	104	31	417,909	102	29	338,762	115	35
164,757	202	76	131,971	264	92	145,184	229	82
246,528	167	61	251,359	164	58	214,503	170	58
3,381,848	12	10	3,200,812	16	14	3,281,342	10	9
1,103,082	39	11	1,018,015	44	13	854,840	48	14
NR			NR			NR		
61,118	404	134	64,881	399	132	58,740	374	125
1,245,406	31	24	1,278,774	34	25	1,119,027	30	23
302,678	142	50	267,740	160	55	253,775	150	50
253,897	162	58	237,027	174	64	202,784	175	61
2,086,245	20	18	2,152,589	21	18	1,589,833	21	18
NR			NR			NR		
385,850	112	35	384,617	117	36	151,240	219	78
1,463,114	25	6	1,611,050	25	6	1,355,016	26	6
88,680	331	112	96,519	325	110	77,088	343	116
252,520	163	59	293,090	149	50	252,852	152	51
278,151	147	51	300,480	145	48	256,739	147	48
316,291	135	47	342,602	129	42	302,115	128	40
644,909	69	20	713,253	68	19	593,224	71	21
340,947	125	42	317,268	137	44	269,430	138	44
202,029	187	70	201,781	198	73	180,423	193	69
1,708,199	23	4	1,738,984	24	5	1,398,068	25	5
927,806	48	15	911,804	53	16	745,217	54	16
1,075,354	36	9	1,080,363	39	12	909,834	40	12
135,445	261	93	141,132	257	90	136,140	239	86
NR			NR			NR		
79,213	361	122	76,878	372	123	64,821	366	122
2,159,614	19	17	2,314,935	19	17	1,831,766	17	15
218,321	179	66	225,674	179	67	200,793	177	63
359,528	118	39	368,197	123	41	340,244	114	34
812,389	57	40	969,618	46	33	857,938	47	34
468,849	88	27	437,093	98	28	421,402	91	26
3,951,509	8	8	4,234,599	8	8	3,761,686	7	7
159,506	225	81	158,841	231	82	146,275	227	81
274,140	151	54	283,688	153	54	254,576	149	49
268,200	154	100	278,829	156	102	270,500	136	93
10,725,100	2	2	10,084,900	2	2	7,197,900	2	2
831,438	55	38	775,262	63	45	674,833	61	44

<b>Annual Giving</b>		2003	2003	2003	2002	2002	2002
Institutions with Over \$20 Million in Federal Research, Alphabetically		— Annual Giving x \$1000	— National Rank	— Control Rank	— Annual Giving x \$1000	— National Rank	— Control Rank
Public	Arizona State University - Tempe	59,275	70	40	60,505	80	48
Public	Auburn University	44,215	95	56	38,054	114	67
Private	Baylor College of Medicine	47,971	88	39	79,252	56	28
Private	Boston College	54,716	78	35	56,014	89	37
Private	Boston University	103,360	41	19	90,589	48	23
Private	Brandeis University	72,066	57	26	63,354	71	30
Private	Brown University	82,663	50	24	85,044	53	26
Private	California Institute of Technology	124,443	32	15	113,260	42	19
Private	Carnegie Mellon University	43,377	97	40	36,294	117	48
Private	Case Western Reserve University	79,032	54	25	100,131	45	20
Private	Charles R. Drew University of Medicine and Science	NR			NR		
Public	Clemson University	37,234	122	75	40,039	109	64
Public	Colorado State University	29,457	141	86	22,820	181	100
Private	Columbia University	281,498	13	8	271,231	9	7
Private	Cornell University	356,201	4	4	363,032	4	4
Private	Dartmouth College	90,371	48	22	85,927	51	25
Public	Desert Research Institute	NR			NR		
Private	Drexel University	58,019	72	31	23,868	169	75
Private	Duke University	296,827	11	7	264,580	10	8
Private	Emory University	123,528	33	16	210,372	19	12
Public	Florida A&M University	NR			NR		
Public	Florida International University	11,812	304	151	10,787	310	143
Public	Florida State University	62,898	65	37	61,223	76	44
Public	George Mason University	16,501	227	121	18,316	206	106
Private	George Washington University	59,344	69	30	48,401	98	42
Private	Georgetown University	83,449	49	23	78,896	57	29
Public	Georgia Institute of Technology	74,369	56	31	78,658	58	29
Private	Harvard University	555,639	1	1	477,617	2	2
Private	Howard University	NR			NR		
Public	Indiana University - Bloomington	49,283	86	48	64,269	68	39
Public	Indiana University-Purdue University - Indianapolis	99,336	43	24	117,520	41	23
Public	Iowa State University	47,365	89	50	60,720	79	47
Public	Jackson State University	NR			NR		
Private	Johns Hopkins University	319,547	6	5	318,687	6	6
Public	Kansas State University	44,786	94	55	37,263	116	69
Private	Loma Linda University	NR			24,690	163	72
Public	Louisiana State University - Baton Rouge	38,751	117	72	61,400	75	43
Public	Louisiana State University Health Sciences Center	NR			9,877	337	149
Private	Loyola University Chicago	23,782	167	72	22,352	183	83
Private	Massachusetts Institute of Technology	191,463	21	12	220,573	17	11
Private	MCP Hahnemann University	NR			NR		
Public	Medical College of Georgia	8,028	391	174	5,128	528	206
Private	Medical College of Wisconsin	8,661	371	204	17,400	216	107
Public	Medical University of South Carolina	18,101	216	116	30,123	134	81
Private	Meharry Medical College	12,585	292	145	NR		
Public	Michigan State University	118,659	36	20	211,629	18	7

2001 — Annual Giving x \$1000	2001 — National Rank	2001 — Control Rank	2000 — Annual Giving x \$1000	2000 — National Rank	2000 — Control Rank	1999 — Annual Giving x \$1000	1999 — National Rank	1999 — Control Rank
79,311	58	31	69,026	66	35	46,610	86	46
60,620	76	42	37,301	119	67	37,911	108	58
95,400	48	23	92,078	47	25	63,647	62	31
50,575	90	42	48,668	91	43	43,589	100	44
85,584	55	25	73,428	62	29	73,375	54	28
61,390	75	34	61,704	74	36	43,534	101	45
79,458	57	27	93,077	45	23	75,090	52	27
83,020	56	26	117,561	33	17	138,091	25	15
71,392	62	28	71,671	64	31	40,814	101	49
180,923	24	13	109,933	38	19	75,342	51	26
NR			NR			NR		
50,458	92	50	82,929	54	28	33,314	121	66
26,255	163	94	22,465	178	96	21,230	162	88
358,683	3	3	292,268	7	7	284,487	4	4
309,473	6	6	308,676	4	4	341,359	2	2
114,913	39	20	116,128	34	18	106,893	38	21
NR			NR			NR		
34,663	133	53	24,282	166	79	63,887	61	30
264,425	12	10	302,558	6	6	234,507	7	6
297,778	7	7	101,430	41	20	233,900	8	7
NR			NR			NR		
20,235	153	90	NR			NR		
67,880	66	36	68,203	67	36	54,500	71	37
22,300	187	100	14,000	264	125	NR		
32,656	137	54	40,350	107	49	44,019	91	43
94,201	49	24	92,837	46	24	82,078	44	23
120,107	37	18	107,465	40	21	82,702	43	21
683,173	1	1	485,238	2	2	451,672	1	1
NR			NR			NR		
105,297	44	23	100,797	42	22	79,719	47	24
192,543	21	10	90,718	49	24	71,748	55	27
52,019	87	47	130,022	29	14	49,490	82	44
NR			NR			NR		
347,732	5	5	304,044	5	5	206,973	14	11
44,547	105	61	40,331	108	59	35,042	114	62
24,844	174	78	27,360	152	70	27,345	134	61
50,500	91	49	33,400	128	72	38,500	106	56
6,885	477	186	NR			NR		
25,151	173	77	19,645	201	96	24,718	147	68
199,002	20	11	238,426	12	10	208,437	12	10
NR			NR			NR		
6,118	511	197	9,688	347	152	10,583	310	132
16,000	255	129	17,800	216	108	NR		
18,747	221	111	16,714	225	110	15,909	216	104
10,629	339	183	NR			NR		
202,007	19	9	121,287	32	16	104,136	40	19

Annual Giving		2003	2003	2003	2002	2002	2002
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		— Annual Giving x \$1000	— National Rank	— Control Rank	— Annual Giving x \$1000	— National Rank	— Control Rank
Public	Mississippi State University	33,930	127	78	53,341	91	54
Public	Montana State University - Bozeman	NR			NR		
Private	Morehouse School of Medicine	4,997	546	329	940	852	525
Private	Mount Sinai School of Medicine	NR			NR		
Public	New Jersey Institute of Technology	7,772	402	177	8,101	387	163
Public	New Mexico State University - Las Cruces	13,091	270	137	11,314	302	139
Private	New York University	207,932	19	11	251,408	13	10
Public	North Carolina State University	122,748	34	18	122,164	37	19
Public	North Dakota State University	8,930	361	166	NR		
Private	Northeastern University	20,984	190	84	27,701	142	56
Private	Northwestern University	176,111	26	13	183,335	24	16
Public	Ohio State University - Columbus	195,759	20	9	179,493	26	10
Public	Oklahoma State University - Stillwater	40,183	110	68	31,349	131	79
Public	Oregon Health & Science University	42,627	102	61	62,159	72	42
Public	Oregon State University	29,345	142	87	43,621	101	59
Public	Pennsylvania State University - Hershey Medical Ctr	21,758	180	102	23,489	174	96
Public	Pennsylvania State University - University Park	121,480	35	19	140,931	31	15
Private	Princeton University	227,532	16	9	185,223	22	14
Public	Purdue University - West Lafayette	103,445	40	22	164,000	28	12
Private	Rensselaer Polytechnic Institute	41,079	107	42	57,167	88	36
Private	Rice University	57,930	73	32	59,493	81	33
Private	Rockefeller University	54,043	80	36	91,257	47	22
Private	Rush University	NR			29,600	137	55
Public	Rutgers the State University of NJ - New Brunswick	79,793	52	28	74,637	61	32
Private	Saint Louis University - St. Louis	NR			24,110	166	74
Public	San Diego State University	43,373	98	58	52,706	93	55
Private	Stanford University	486,075	2	2	454,770	3	3
Public	State Univ. of New York Health Science Ctr - Brooklyn	3,708	633	242	2,539	702	250
Public	Stony Brook University	79,484	53	29	18,567	202	105
Private	Syracuse University	38,390	118	47	38,785	112	46
Public	Temple University	26,920	153	92	32,898	123	75
Public	Texas A&M University	142,310	29	15	118,204	39	21
Public	Texas A&M University System Health Sciences Center	7,588	409	178	5,469	504	197
Public	Texas Tech University	26,822	154	93	43,798	100	58
Private	Thomas Jefferson University	15,548	238	113	31,903	127	50
Private	Tufts University	70,069	60	28	82,253	54	27
Private	Tulane University	51,952	82	37	53,177	92	38
Public	University at Albany	36,746	123	76	22,959	179	98
Public	University at Buffalo	32,856	130	80	25,501	157	90
Public	University of Alabama - Birmingham	51,704	83	46	51,496	96	56
Public	University of Alabama - Huntsville	4,176	589	231	3,443	644	230
Public	University of Alabama - Tuscaloosa	43,313	99	59	54,569	90	53
Public	University of Alaska - Fairbanks	6,480	457	193	3,780	624	224
Public	University of Arizona	185,430	23	11	119,687	38	20
Public	University of Arkansas - Fayetteville	333,049	5	1	63,660	70	41
Public	University of Arkansas for Medical Sciences	22,558	174	99	NR		

2001 — Annual Giving x \$1000	2001 — National Rank	2001 — Control Rank	2000 — Annual Giving x \$1000	2000 — National Rank	2000 — Control Rank	1999 — Annual Giving x \$1000	1999 — National Rank	1999 — Control Rank
41,178	114	67	26,720	156	83	26,325	138	75
15,900	256	127	12,000	291	136	NR		
NR			NR			NR		
NR			NR			NR		
6,853	478	187	7,700	428	179	9,734	329	140
11,633	311	147	8,452	385	161	6,392	449	174
171,933	26	14	236,620	13	11	128,044	29	16
90,342	52	28	74,363	59	32	74,999	53	26
NR			NR			NR		
27,082	159	68	31,089	137	64	28,268	128	58
165,717	27	15	203,069	17	12	144,550	24	14
210,551	16	6	174,329	22	9	153,437	21	8
41,256	113	66	37,984	115	65	35,088	113	61
66,100	69	38	51,535	89	49	34,010	117	64
29,595	150	88	37,178	120	68	40,958	100	52
30,080	147	86	12,800	274	129	18,400	188	97
123,862	35	17	125,958	31	15	112,161	37	17
184,882	23	12	166,189	24	14	159,080	19	13
130,735	34	16	84,358	52	26	81,964	45	22
61,736	73	33	42,716	102	46	36,466	109	51
67,497	67	31	73,651	61	28	78,362	49	25
65,115	70	32	60,179	76	37	53,198	74	36
NR			NR			NR		
106,028	41	21	73,945	60	33	54,567	70	36
32,550	138	55	31,662	134	61	30,162	126	57
42,097	110	65	39,635	111	62	32,256	122	67
468,967	2	2	580,474	1	1	319,590	3	3
999	890	352	900	907	348	NR		
18,180	233	115	20,080	200	105	11,583	287	127
37,530	126	51	42,814	101	45	33,683	120	55
38,655	122	73	39,721	110	61	44,385	89	48
114,527	40	20	110,426	37	19	123,580	31	15
4,885	576	218	2,802	726	256	NR		
115,821	38	19	59,474	79	41	60,488	64	33
25,800	167	72	31,000	138	65	23,400	155	72
55,638	82	38	72,990	63	30	52,555	76	37
53,869	85	39	66,000	70	34	60,200	67	32
17,826	237	118	16,215	233	111	14,964	231	110
30,223	146	85	28,287	148	79	16,759	207	102
54,358	84	46	56,864	83	43	38,095	107	57
5,474	540	208	10,503	325	146	1,243	849	304
40,071	119	70	37,688	116	66	30,700	125	69
18,621	222	112	9,429	354	155	NR		
103,822	45	24	91,711	48	23	76,839	50	25
61,824	72	40	88,197	50	25	98,118	41	20
17,572	240	121	27,600	149	80	18,600	187	96

<b>Annual Giving</b>		2003	2003	2003	2002	2002	2002
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		— Annual Giving x \$1000	— National Rank	— Control Rank	— Annual Giving x \$1000	— National Rank	— Control Rank
Public	University of California - Berkeley	190,710	22	10	223,261	16	6
Public	University of California - Davis	64,664	63	35	81,869	55	28
Public	University of California - Irvine	53,226	81	45	38,901	111	66
Public	University of California - Los Angeles	319,463	7	2	282,343	8	2
Public	University of California - Riverside	16,035	230	123	30,332	133	80
Public	University of California - San Diego	138,589	30	16	101,214	44	25
Public	University of California - San Francisco	225,597	17	8	207,228	20	8
Public	University of California - Santa Barbara	62,017	67	39	26,680	149	88
Public	University of California - Santa Cruz	18,169	214	115	13,513	261	124
Public	University of Central Florida	11,347	314	154	7,619	404	172
Private	University of Chicago	163,592	28	14	183,772	23	15
Public	University of Cincinnati - Cincinnati	51,491	84	47	131,475	33	16
Public	University of Colorado - Boulder	39,600	114	70	61,006	77	45
Public	University of Colorado Health Sciences Center	42,570	104	63	31,555	129	78
Public	University of Connecticut - Health Center	8,501	374	169	8,652	372	157
Public	University of Connecticut - Storrs	34,002	126	77	34,607	121	73
Private	University of Dayton	20,407	192	85	25,467	159	69
Public	University of Delaware	33,597	128	79	43,024	102	60
Public	University of Florida	176,689	25	13	179,330	27	11
Public	University of Georgia	59,073	71	41	57,832	84	50
Public	University of Hawaii - Manoa	21,623	183	104	18,269	208	107
Public	University of Houston - University Park	28,519	146	89	32,302	126	77
Public	University of Idaho	15,837	231	124	23,957	168	94
Public	University of Illinois - Chicago	47,036	90	51	74,659	60	31
Public	University of Illinois - Urbana-Champaign	114,229	37	21	129,555	34	17
Public	University of Iowa	93,017	46	26	85,260	52	27
Public	University of Kansas - Lawrence	70,567	58	32	57,441	87	52
Public	University of Kansas Medical Center	15,490	240	127	14,360	252	122
Public	University of Kentucky	54,808	77	43	60,958	78	46
Public	University of Louisville	32,817	131	81	37,960	115	68
Public	University of Maine - Orono	13,254	265	135	10,628	314	144
Public	University of Maryland - Baltimore	43,276	100	60	41,915	103	61
Public	University of Maryland - Baltimore County	8,031	390	173	10,491	318	145
Public	University of Maryland - College Park	78,619	55	30	72,279	63	34
Public	University of Massachusetts - Amherst	30,817	136	84	22,222	185	102
Public	University of Massachusetts Medical Sch - Worcester	NR			NR		
Public	University of Medicine & Dentistry of New Jersey	17,800	218	117	18,000	211	108
Private	University of Miami	92,770	47	21	86,222	50	24
Public	University of Michigan - Ann Arbor	180,217	24	12	161,383	29	13
Public	University of Minnesota - Twin Cities	244,851	15	7	233,338	14	4
Public	University of Mississippi - Oxford	48,900	87	49	104,632	43	24
Public	University of Missouri - Columbia	64,708	62	34	90,339	49	26
Public	University of Montana - Missoula	14,317	251	131	13,251	268	126
Public	University of Nebraska - Lincoln	55,578	75	42	64,416	67	38
Public	University of Nebraska Medical Center	31,086	135	83	36,029	118	70
Public	University of Nevada - Las Vegas	21,130	187	105	17,291	218	111

2001 — Annual Giving x \$1000	2001 — National Rank	2001 — Control Rank	2000 — Annual Giving x \$1000	2000 — National Rank	2000 — Control Rank	1999 — Annual Giving x \$1000	1999 — National Rank	1999 — Control Rank
202,607	18	8	166,844	23	10	184,231	16	4
73,286	60	33	76,768	58	31	53,229	73	38
48,490	97	55	67,254	70	37	48,545	83	45
263,652	13	3	253,765	10	2	208,204	13	3
20,754	202	105	12,403	281	134	12,580	263	123
93,632	50	26	112,792	36	18	114,736	34	16
271,565	11	2	218,320	16	5	151,700	22	9
29,994	148	87	24,111	168	89	19,435	183	93
13,615	273	135	15,564	241	116	22,556	160	86
NR			12,160	285	135	7,792	397	157
163,615	28	16	177,619	21	13	120,663	32	17
86,247	54	30	61,671	76	40	40,765	102	53
48,716	96	54	57,284	82	42	51,873	78	40
46,340	99	56	28,642	145	78	25,936	141	77
9,960	357	161	5,200	558	209	2,048	756	261
40,640	117	68	31,755	133	73	23,551	152	82
23,441	183	86	27,205	154	72	14,213	239	126
44,990	100	57	44,679	99	56	40,107	104	55
142,945	32	15	163,600	26	12	135,389	26	11
43,603	107	63	45,739	98	55	42,534	96	50
19,665	211	109	22,844	173	94	13,451	249	120
33,185	135	82	80,777	56	30	35,519	111	59
21,878	191	101	27,396	151	82	22,054	161	87
37,175	128	77	38,509	114	64	35,160	112	60
105,576	43	22	107,504	39	20	105,480	39	18
96,059	47	25	83,894	53	27	81,512	46	23
64,308	71	39	62,793	74	39	64,737	58	30
16,077	252	126	15,698	239	115	16,184	213	103
55,351	83	45	48,382	95	52	52,540	76	39
56,330	81	44	44,091	100	57	54,881	69	35
50,214	93	51	14,388	256	121	17,910	198	99
37,384	127	76	29,419	143	76	21,148	163	89
10,873	328	152	7,926	415	172	9,710	331	141
75,964	59	32	56,119	84	44	50,309	81	43
22,530	186	99	21,117	193	102	19,268	185	95
15,300	261	129	15,700	238	114	4,113	578	206
44,900	101	58	22,400	179	97	14,400	237	113
105,812	42	21	100,563	43	21	85,736	42	22
209,390	17	7	221,381	15	4	169,913	17	5
228,926	15	5	193,950	20	8	161,966	18	6
44,840	102	59	71,230	65	34	26,099	140	76
43,872	106	62	39,212	113	63	40,371	103	54
10,989	324	151	9,579	351	153	NR		
67,986	65	35	47,615	96	53	155,000	20	7
38,025	124	75	18,895	207	107	55,246	68	34
20,195	206	107	22,151	181	99	23,333	156	84



<b>Annual Giving</b>		2003	2003	2003	2002	2002	2002
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		— Annual Giving x \$1000	— National Rank	— Control Rank	— Annual Giving x \$1000	— National Rank	— Control Rank
Public	University of Nevada - Reno	13,055	273	140	14,515	248	119
Public	University of New Hampshire - Durham	13,056	272	139	14,473	249	120
Public	University of New Mexico - Albuquerque	41,043	108	66	35,423	119	71
Public	University of North Carolina - Chapel Hill	163,622	27	14	180,616	25	9
Public	University of North Dakota	NR			NR		
Private	University of Notre Dame	113,887	38	17	126,755	36	18
Public	University of Oklahoma - Norman	64,834	61	33	67,579	65	36
Public	University of Oklahoma Health Sciences Center	22,780	171	97	23,744	170	95
Public	University of Oregon	62,544	66	38	67,142	66	37
Private	University of Pennsylvania	399,641	3	3	319,742	5	5
Public	University of Pittsburgh - Pittsburgh	94,545	45	25	75,248	59	30
Public	University of Puerto Rico - Medical Sciences	NR			NR		
Public	University of Rhode Island	13,032	275	141	15,104	239	117
Private	University of Rochester	59,430	68	29	57,454	85	35
Public	University of South Carolina - Columbia	45,899	91	52	64,235	69	40
Public	University of South Florida	19,502	196	109	40,819	106	63
Private	University of Southern California	305,982	10	6	585,162	1	1
Public	University of Southern Mississippi	NR			NR		
Public	University of Tennessee - Knoxville	102,016	42	23	69,588	64	35
Public	University of Texas - Austin	309,484	9	4	155,312	30	14
Public	University of Texas Health Science Center - Houston	29,647	140	85	34,875	120	72
Public	University of Texas Health Science Ctr - San Antonio	27,775	151	90	29,419	138	83
Public	University of Texas MD Anderson Cancer Center	63,133	64	36	57,834	83	49
Public	University of Texas Medical Branch - Galveston	39,955	112	69	41,041	105	62
Public	University of Texas SW Medical Center - Dallas	82,654	51	27	117,557	40	22
Public	University of Utah	137,345	31	17	127,760	35	18
Public	University of Vermont	28,767	145	88	27,639	144	87
Public	University of Virginia	261,922	14	6	255,044	12	3
Public	University of Washington - Seattle	311,251	8	3	231,814	15	5
Public	University of Wisconsin - Madison	286,915	12	5	307,214	7	1
Public	University of Wyoming	16,799	225	120	17,361	217	110
Public	US Naval Postgraduate School	NR			NR		
Public	Utah State University	13,020	276	142	11,937	290	136
Private	Vanderbilt University	98,800	44	20	198,515	21	13
Public	Virginia Commonwealth University	38,242	119	73	29,760	136	82
Public	Virginia Polytechnic Institute and State University	54,284	79	44	72,579	62	33
Private	Wake Forest University	57,212	74	33	58,738	82	34
Public	Washington State University - Pullman	45,420	93	54	39,747	110	65
Private	Washington University in St. Louis	110,230	39	18	137,226	32	17
Public	Wayne State University	NR			NR		
Public	West Virginia University	42,117	105	64	57,445	86	51
Private	Woods Hole Oceanographic Institution	23,900	165	71	13,800	259	136
Private	Yale University	222,089	18	10	256,342	11	9
Private	Yeshiva University	NR			61,628	73	31

2001 — Annual Giving x \$1000	2001 — National Rank	2001 — Control Rank	2000 — Annual Giving x \$1000	2000 — National Rank	2000 — Control Rank	1999 — Annual Giving x \$1000	1999 — National Rank	1999 — Control Rank
17,713	238	119	21,604	190	101	28,206	129	71
16,968	245	123	11,790	294	138	15,055	228	108
33,818	134	81	30,879	139	74	25,306	144	78
160,375	29	13	164,640	25	11	148,310	23	10
NR			NR			NR		
142,242	33	18	140,679	28	15	113,527	36	20
59,455	77	43	51,244	90	50	45,195	88	47
29,284	151	89	26,398	158	85	19,370	184	94
48,960	95	53	48,584	94	51	51,270	79	41
285,596	9	8	288,152	8	8	270,061	5	5
88,645	53	29	82,030	55	29	65,574	57	29
NR			NR			NR		
14,320	269	133	12,758	276	130	14,105	240	114
69,900	63	29	64,091	71	35	48,321	79	39
50,629	89	48	52,357	88	48	50,437	80	42
37,039	130	78	40,809	106	58	19,694	179	92
280,986	10	9	253,288	11	9	216,784	10	9
NR			NR			NR		
72,403	61	34	54,141	86	46	42,628	95	49
179,951	25	12	201,637	18	6	132,940	27	12
23,807	181	97	23,880	169	90	24,675	148	80
33,118	136	83	26,499	157	84	17,376	202	101
61,585	74	41	63,526	73	38	63,189	63	32
38,150	123	74	34,969	124	71	24,380	149	81
90,409	51	27	115,033	35	17	64,393	59	31
146,344	31	14	144,016	27	13	125,544	30	14
31,819	142	84	24,280	167	88	22,818	159	85
189,900	22	11	195,284	19	7	132,184	28	13
231,918	14	4	225,575	14	3	210,745	11	2
292,429	8	1	280,182	9	1	245,382	6	1
12,311	302	143	14,972	248	120	NR		
NR			NR			NR		
21,199	197	103	23,729	171	92	21,006	165	90
155,719	30	17	94,181	44	22	193,183	15	12
27,395	158	91	27,567	150	81	27,507	132	73
66,429	68	37	55,610	85	45	71,373	56	28
58,298	80	37	42,502	103	47	47,159	80	40
40,005	120	71	45,808	97	54	41,240	99	51
122,061	36	19	127,219	30	16	114,367	35	19
44,650	103	60	40,000	109	60	34,220	115	63
38,845	121	72	52,855	87	47	28,088	130	72
24,124	179	83	15,588	240	125	4,785	538	342
350,123	4	4	358,103	3	3	224,443	9	8
103,000	46	22	77,209	57	27	41,299	104	48

<b>National Academy Membership</b>		2003	2003	2003	2002	2002	2002
Institutions with Over \$20 Million in Federal Research, Alphabetically		National Academy Members	National Rank	Control Rank	National Academy Members	National Rank	Control Rank
Public	Arizona State University - Tempe	6	80	47	4	98	60
Public	Auburn University	0	189	116	0	187	114
Private	Baylor College of Medicine	15	54	25	14	55	25
Private	Boston College	2	115	46	2	114	45
Private	Boston University	13	56	27	13	56	26
Private	Brandeis University	14	55	26	11	61	29
Private	Brown University	17	50	23	19	45	23
Private	California Institute of Technology	96	6	5	95	6	5
Private	Carnegie Mellon University	23	38	18	22	39	19
Private	Case Western Reserve University	19	45	21	20	42	21
Private	Charles R. Drew University of Medicine and Science	2	115	46	2	114	45
Public	Clemson University	1	139	83	1	136	82
Public	Colorado State University	7	77	44	6	81	47
Private	Columbia University	84	11	8	84	9	7
Private	Cornell University	80	12	9	78	12	9
Private	Dartmouth College	11	62	30	11	61	29
Public	Desert Research Institute	0	189	116	0	187	114
Private	Drexel University	4	98	38	4	98	39
Private	Duke University	50	21	12	45	21	12
Private	Emory University	13	56	27	12	58	27
Public	Florida A&M University	0	189	116	0	187	114
Public	Florida International University	1	139	83	1	136	82
Public	Florida State University	5	86	51	7	77	43
Public	George Mason University	2	115	70	2	114	70
Private	George Washington University	4	98	38	4	98	39
Private	Georgetown University	6	80	34	5	88	36
Public	Georgia Institute of Technology	27	34	17	26	33	16
Private	Harvard University	264	1	1	259	1	1
Private	Howard University	6	80	34	6	81	35
Public	Indiana University - Bloomington	11	62	33	9	68	35
Public	Indiana University-Purdue University - Indianapolis	6	80	47	7	77	43
Public	Iowa State University	10	67	36	9	68	35
Public	Jackson State University	0	189	116	0	187	114
Private	Johns Hopkins University	65	16	10	63	16	10
Public	Kansas State University	0	189	116	0	187	114
Private	Loma Linda University	0	189	74	0	187	74
Public	Louisiana State University - Baton Rouge	1	139	83	2	114	70
Public	Louisiana State University Health Sciences Center	0	189	116	0	187	114
Private	Loyola University Chicago	0	189	74	0	187	74
Private	Massachusetts Institute of Technology	234	3	3	232	3	3
Private	MCP Hahnemann University	0	189	74	0	187	74
Public	Medical College of Georgia	0	189	116	0	187	114
Private	Medical College of Wisconsin	1	139	57	1	136	55
Public	Medical University of South Carolina	2	115	70	2	114	70
Private	Meharry Medical College	2	115	46	2	114	45
Public	Michigan State University	8	74	41	6	81	47

2001 — National Academy Members	2001 — National Rank	2001 — Control Rank	2000 — National Academy Members	2000 — National Rank	2000 — Control Rank	1999 — National Academy Members	1999 — National Rank	1999 — Control Rank
4	96	57	3	101	61	3	101	61
0	188	111	0	188	112	0	181	108
13	54	24	12	56	26	10	60	28
2	114	45	1	133	51	0	181	74
13	54	24	14	54	25	14	50	24
12	60	29	12	56	26	12	56	26
17	48	22	17	46	22	16	47	22
93	6	5	93	6	5	92	6	5
21	39	20	22	35	19	21	36	19
24	34	18	23	34	18	22	34	18
2	114	45	2	113	44	1	123	48
1	134	82	1	133	83	1	123	76
7	75	42	6	79	46	5	82	48
77	11	8	75	10	8	70	11	9
80	9	7	82	9	7	75	9	7
13	54	24	15	51	24	13	52	25
0	188	111	0	188	112	0	188	108
5	86	35	3	101	41	3	101	41
42	22	13	40	22	13	38	22	13
9	67	31	9	67	31	8	69	32
0	188	111	0	188	112	0	181	108
0	188	111	0	188	112	0	181	108
7	75	42	6	79	46	7	70	38
2	114	70	1	133	83	1	123	76
4	96	40	4	97	40	7	70	33
5	86	35	5	84	35	4	93	38
25	32	15	22	35	17	18	43	23
265	1	1	247	1	1	250	1	1
5	86	35	5	84	35	5	82	35
11	61	32	10	63	33	7	70	38
6	80	47	5	84	50	3	101	61
7	75	42	7	73	41	7	70	38
0	188	111	0	188	112	0	188	108
64	15	10	65	14	10	61	15	10
0	188	111	0	188	112	0	181	108
0	188	78	0	188	77	0	188	74
1	134	82	1	133	83	1	123	76
0	188	111	0	188	112	0	181	108
0	188	78	0	188	77	0	181	74
232	3	3	236	3	3	227	3	3
1	134	53	1	133	51	3	101	41
0	188	111	0	188	112	0	188	108
1	134	53	1	133	51	1	123	48
2	114	70	2	113	70	2	113	68
3	104	42	2	113	44	2	113	46
6	80	47	6	79	46	7	70	38

<b>National Academy Membership</b>		2003	2003	2003	2002	2002	2002
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		National Academy Members	National Rank	Control Rank	National Academy Members	National Rank	Control Rank
Public	Mississippi State University	0	189	116	0	187	114
Public	Montana State University - Bozeman	0	189	116	0	187	114
Private	Morehouse School of Medicine	3	103	42	3	104	41
Private	Mount Sinai School of Medicine	10	67	32	11	61	29
Public	New Jersey Institute of Technology	0	189	116	0	187	114
Public	New Mexico State University - Las Cruces	0	189	116	0	187	114
Private	New York University	31	29	17	32	29	17
Public	North Carolina State University	18	47	25	18	47	24
Public	North Dakota State University	0	189	116	0	187	114
Private	Northeastern University	0	189	74	0	187	74
Private	Northwestern University	37	27	16	34	28	16
Public	Ohio State University - Columbus	18	47	25	17	50	27
Public	Oklahoma State University - Stillwater	3	103	62	3	104	64
Public	Oregon Health & Science University	6	80	47	6	81	47
Public	Oregon State University	5	86	51	5	88	53
Public	Pennsylvania State University - Hershey Medical Ctr	1	139	83	0	187	114
Public	Pennsylvania State University - University Park	28	33	16	25	35	18
Private	Princeton University	86	9	7	79	10	8
Public	Purdue University - West Lafayette	13	56	30	15	53	30
Private	Rensselaer Polytechnic Institute	13	56	27	12	58	27
Private	Rice University	19	45	21	21	40	20
Private	Rockefeller University	45	22	13	44	22	13
Private	Rush University	3	103	42	3	104	41
Public	Rutgers the State University of NJ - New Brunswick	29	30	13	27	31	14
Private	Saint Louis University - St. Louis	1	139	57	1	136	55
Public	San Diego State University	0	189	116	0	187	114
Private	Stanford University	249	2	2	244	2	2
Public	State Univ. of New York Health Science Ctr - Brooklyn	1	139	83	1	136	82
Public	Stony Brook University	13	56	30	13	56	31
Private	Syracuse University	2	115	46	1	136	55
Public	Temple University	0	189	116	0	187	114
Public	Texas A&M University	17	50	28	17	50	27
Public	Texas A&M University System Health Sciences Center	0	189	116	0	187	114
Public	Texas Tech University	1	139	83	0	187	114
Private	Thomas Jefferson University	5	86	36	5	88	36
Private	Tufts University	5	86	36	8	76	34
Private	Tulane University	3	103	42	3	104	41
Public	University at Albany	0	189	116	0	187	114
Public	University at Buffalo	5	86	51	5	88	53
Public	University of Alabama - Birmingham	7	77	44	9	68	35
Public	University of Alabama - Huntsville	0	189	116	0	187	114
Public	University of Alabama - Tuscaloosa	0	189	116	0	187	114
Public	University of Alaska - Fairbanks	0	189	116	0	187	114
Public	University of Arizona	29	30	13	28	30	13
Public	University of Arkansas - Fayetteville	2	115	70	2	114	70
Public	University of Arkansas for Medical Sciences	1	139	83	1	136	82

2001 — National Academy Members	2001 — National Rank	2001 — Control Rank	2000 — National Academy Members	2000 — National Rank	2000 — Control Rank	1999 — National Academy Members	1999 — National Rank	1999 — Control Rank
0	188	111	0	188	112	0	181	108
0	188	111	0	188	112	0	181	108
1	134	53	1	133	51	1	123	48
10	63	30	11	59	28	9	65	30
0	188	111	0	188	112	0	181	108
0	188	111	0	188	112	1	123	76
29	29	17	30	29	17	25	29	17
19	42	21	15	51	28	18	43	23
0	188	111	0	188	112	0	188	108
0	188	78	0	188	77	0	181	74
31	28	16	31	28	16	33	26	15
15	53	30	13	55	30	11	58	32
3	104	63	3	101	61	3	101	61
4	96	57	4	97	58	4	93	56
5	86	52	5	84	50	4	93	56
2	114	70	3	101	61	3	101	61
23	37	19	22	35	17	22	34	17
76	12	9	73	11	9	74	10	8
16	52	29	17	46	25	20	37	18
13	54	24	11	59	28	11	58	27
21	39	20	19	42	21	18	43	21
43	21	12	43	21	12	40	21	12
2	114	45	2	113	44	3	101	41
25	32	15	26	31	14	23	33	16
1	134	53	1	133	51	1	123	48
0	188	111	0	188	112	0	181	108
243	2	2	239	2	2	230	2	2
1	134	82	1	133	83	1	123	76
13	54	31	12	56	31	13	52	28
1	134	53	1	133	51	1	123	48
0	188	111	1	133	83	1	123	76
17	48	27	15	51	28	13	52	28
0	188	111	0	188	112	0	188	108
0	188	111	0	188	112	0	181	108
5	86	35	6	79	34	5	82	35
6	80	34	5	84	35	4	93	38
3	104	42	3	101	41	1	123	48
0	188	111	0	188	112	0	181	108
5	86	52	5	84	50	5	82	48
10	63	34	9	67	37	9	65	36
0	188	111	0	188	112	0	181	108
0	188	111	0	188	112	0	188	108
0	188	111	0	188	112	0	181	108
29	29	13	27	30	13	25	29	13
2	114	70	2	113	70	2	113	68
1	134	82	0	188	112	0	181	108

<b>National Academy Membership</b>		2003	2003	2003	2002	2002	2002
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		National Academy Members	National Rank	Control Rank	National Academy Members	National Rank	Control Rank
Public	University of California - Berkeley	201	4	1	202	4	1
Public	University of California - Davis	29	30	13	27	31	14
Public	University of California - Irvine	25	36	19	24	37	20
Public	University of California - Los Angeles	64	17	7	60	17	7
Public	University of California - Riverside	3	103	62	4	98	60
Public	University of California - San Diego	95	7	2	91	7	2
Public	University of California - San Francisco	85	10	3	77	13	4
Public	University of California - Santa Barbara	42	23	10	38	23	10
Public	University of California - Santa Cruz	9	71	38	9	68	35
Public	University of Central Florida	0	189	116	0	187	114
Private	University of Chicago	52	20	11	52	19	11
Public	University of Cincinnati - Cincinnati	5	86	51	5	88	53
Public	University of Colorado - Boulder	24	37	20	26	33	16
Public	University of Colorado Health Sciences Center	11	62	33	9	68	35
Public	University of Connecticut - Health Center	2	115	70	3	104	64
Public	University of Connecticut - Storrs	0	189	116	1	136	82
Private	University of Dayton	0	189	74	0	187	74
Public	University of Delaware	9	71	38	9	68	35
Public	University of Florida	17	50	28	16	52	29
Public	University of Georgia	8	74	41	7	77	43
Public	University of Hawaii - Manoa	5	86	51	5	88	53
Public	University of Houston - University Park	11	62	33	9	68	35
Public	University of Idaho	0	189	116	0	187	114
Public	University of Illinois - Chicago	5	86	51	6	81	47
Public	University of Illinois - Urbana-Champaign	55	18	8	51	20	9
Public	University of Iowa	18	47	25	18	47	24
Public	University of Kansas - Lawrence	5	86	51	6	81	47
Public	University of Kansas Medical Center	1	139	83	0	187	114
Public	University of Kentucky	3	103	62	3	104	64
Public	University of Louisville	1	139	83	1	136	82
Public	University of Maine - Orono	1	139	83	1	136	82
Public	University of Maryland - Baltimore	9	71	38	11	61	33
Public	University of Maryland - Baltimore County	0	189	116	0	187	114
Public	University of Maryland - College Park	21	43	23	19	45	23
Public	University of Massachusetts - Amherst	7	77	44	9	68	35
Public	University of Massachusetts Medical Sch - Worcester	2	115	70	4	98	60
Public	University of Medicine & Dentistry of New Jersey	1	139	83	1	136	82
Private	University of Miami	2	115	46	2	114	45
Public	University of Michigan - Ann Arbor	73	14	5	70	14	5
Public	University of Minnesota - Twin Cities	38	25	11	38	23	10
Public	University of Mississippi - Oxford	0	189	116	0	187	114
Public	University of Missouri - Columbia	5	86	51	5	88	53
Public	University of Montana - Missoula	0	189	116	0	187	114
Public	University of Nebraska - Lincoln	3	103	62	2	114	70
Public	University of Nebraska Medical Center	1	139	83	1	136	82
Public	University of Nevada - Las Vegas	0	189	116	0	187	114

2001 — National Academy Members	2001 — National Rank	2001 — Control Rank	2000 — National Academy Members	2000 — National Rank	2000 — Control Rank	1999 — National Academy Members	1999 — National Rank	1999 — Control Rank
199	4	1	190	4	1	188	4	1
28	31	14	25	32	15	24	32	15
20	41	20	21	40	21	20	37	18
58	17	7	61	16	6	64	14	5
6	80	47	6	79	46	5	82	48
93	6	2	91	7	2	85	7	2
68	14	5	64	15	5	60	16	6
34	27	12	32	27	12	30	28	12
10	63	34	10	63	33	10	60	33
0	188	111	0	188	112	0	188	108
56	18	11	60	17	11	59	17	11
3	104	63	2	113	70	2	113	68
24	34	17	24	33	16	25	29	13
7	75	42	7	73	41	6	80	46
3	104	63	3	101	61	3	101	61
1	134	82	1	133	83	0	181	108
1	134	53	1	133	51	1	123	48
10	63	34	10	63	33	10	60	33
17	48	27	17	46	25	15	49	26
8	72	40	8	72	40	9	65	36
5	86	52	5	84	50	5	82	48
8	72	40	7	73	41	7	70	38
0	188	111	0	188	112	0	181	108
6	80	47	5	84	50	5	82	48
54	19	8	53	19	8	54	18	7
19	42	21	18	44	23	14	50	27
7	75	42	7	73	41	5	82	48
0	188	111	0	188	112	0	181	108
4	96	57	4	97	58	4	93	56
1	134	82	1	133	83	1	123	76
0	188	111	0	188	112	0	181	108
9	67	37	9	67	37	6	80	46
0	188	111	0	188	112	1	123	76
19	42	21	18	44	23	19	41	22
9	67	37	10	63	33	12	56	31
3	104	63	2	113	70	0	181	108
1	134	82	2	113	70	2	113	68
2	114	45	1	133	51	1	123	48
62	16	6	60	17	7	53	19	8
35	25	10	36	23	10	36	23	10
0	188	111	0	188	112	0	188	108
5	86	52	5	84	50	5	82	48
0	188	111	0	188	112	0	188	108
2	114	70	2	113	70	2	113	68
2	114	70	2	113	70	0	181	108
0	188	111	0	188	112	0	188	108



<b>National Academy Membership</b>		2003 — National Academy Members	2003 — National Rank	2003 — Control Rank	2002 — National Academy Members	2002 — National Rank	2002 — Control Rank
	Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)						
Public	University of Nevada - Reno	2	115	70	2	114	70
Public	University of New Hampshire - Durham	0	189	116	0	187	114
Public	University of New Mexico - Albuquerque	3	103	62	3	104	64
Public	University of North Carolina - Chapel Hill	37	27	12	36	26	12
Public	University of North Dakota	0	189	116	0	187	114
Private	University of Notre Dame	2	115	46	2	114	45
Public	University of Oklahoma - Norman	2	115	70	2	114	70
Public	University of Oklahoma Health Sciences Center	1	139	83	1	136	82
Public	University of Oregon	6	80	47	7	77	43
Private	University of Pennsylvania	89	8	6	91	7	6
Public	University of Pittsburgh - Pittsburgh	22	40	21	21	40	21
Public	University of Puerto Rico - Medical Sciences	0	189	116	0	187	114
Public	University of Rhode Island	1	139	83	1	136	82
Private	University of Rochester	22	40	20	23	38	18
Public	University of South Carolina - Columbia	1	139	83	1	136	82
Public	University of South Florida	1	139	83	3	104	64
Private	University of Southern California	38	25	15	35	27	15
Public	University of Southern Mississippi	0	189	116	0	187	114
Public	University of Tennessee - Knoxville	1	139	83	1	136	82
Public	University of Texas - Austin	55	18	8	53	18	8
Public	University of Texas Health Science Center - Houston	5	86	51	5	88	53
Public	University of Texas Health Science Ctr - San Antonio	1	139	83	1	136	82
Public	University of Texas MD Anderson Cancer Center	1	139	83	1	136	82
Public	University of Texas Medical Branch - Galveston	2	115	70	2	114	70
Public	University of Texas SW Medical Center - Dallas	26	35	18	25	35	18
Public	University of Utah	21	43	23	18	47	24
Public	University of Vermont	3	103	62	3	104	64
Public	University of Virginia	22	40	21	20	42	22
Public	University of Washington - Seattle	77	13	4	79	10	3
Public	University of Wisconsin - Madison	70	15	6	69	15	6
Public	University of Wyoming	3	103	62	2	114	70
Public	US Naval Postgraduate School	0	189	116	1	136	82
Public	Utah State University	0	189	116	0	187	114
Private	Vanderbilt University	17	50	23	15	53	24
Public	Virginia Commonwealth University	3	103	62	2	114	70
Public	Virginia Polytechnic Institute and State University	12	61	32	12	58	32
Private	Wake Forest University	2	115	46	2	114	45
Public	Washington State University - Pullman	8	74	41	6	81	47
Private	Washington University in St. Louis	39	24	14	37	25	14
Public	Wayne State University	5	86	51	5	88	53
Public	West Virginia University	0	189	116	0	187	114
Private	Woods Hole Oceanographic Institution	4	98	38	0	187	74
Private	Yale University	104	5	4	108	5	4
Private	Yeshiva University	10	67	32	10	66	32

2001 — National Academy Members	2001 — National Rank	2001 — Control Rank	2000 — National Academy Members	2000 — National Rank	2000 — Control Rank	1999 — National Academy Members	1999 — National Rank	1999 — Control Rank
2	114	70	2	113	70	2	113	68
0	188	111	0	188	112	0	181	108
3	104	63	4	97	58	4	93	56
35	25	10	33	26	11	35	25	11
0	188	111	0	188	112	0	188	108
2	114	45	2	113	44	2	113	46
2	114	70	3	101	61	4	93	56
1	134	82	2	113	70	2	113	68
5	86	52	5	84	50	5	82	48
87	8	6	87	8	6	82	8	6
19	42	21	17	46	25	13	52	28
0	188	111	0	188	112	0	188	108
1	134	82	1	133	83	1	123	76
22	38	19	20	41	20	19	41	20
1	134	82	1	133	83	1	123	76
3	104	63	3	101	61	3	101	61
36	24	15	34	25	15	36	23	14
0	188	111	0	188	112	0	188	108
1	134	82	1	133	83	1	123	76
52	20	9	52	20	9	51	20	9
4	96	57	5	84	50	7	70	38
1	134	82	1	133	83	1	123	76
1	134	82	1	133	83	1	123	76
2	114	70	2	113	70	1	123	76
24	34	17	22	35	17	20	37	18
18	47	26	19	42	22	17	46	25
3	104	63	3	101	61	1	123	76
19	42	21	22	35	17	20	37	18
78	10	3	71	12	3	70	11	3
69	13	4	68	13	4	66	13	4
1	134	82	1	133	83	1	123	76
1	134	82	1	133	83	1	123	76
0	188	111	0	188	112	0	181	108
13	54	24	11	59	28	10	60	28
2	114	70	1	133	83	0	181	108
11	61	32	11	59	32	10	60	33
2	114	45	2	113	44	3	101	41
6	80	47	7	73	41	7	70	38
37	23	14	35	24	14	33	26	15
4	96	57	3	101	61	2	113	68
0	188	111	0	188	112	0	181	108
4	96	40	5	84	35	5	82	35
108	5	4	101	5	4	98	5	4
9	67	31	9	67	31	9	65	30

Faculty Awards		2003	2003	2003	2002	2002	2002
Institutions with Over \$20 Million in Federal Research, Alphabetically		— Faculty Awards	— National Rank	— Control Rank	— Faculty Awards	— National Rank	— Control Rank
Public	Arizona State University - Tempe	17	36	19	13	49	26
Public	Auburn University	0	521	305	1	284	175
Private	Baylor College of Medicine	13	50	22	12	56	24
Private	Boston College	6	98	38	4	124	46
Private	Boston University	23	21	12	20	25	13
Private	Brandeis University	9	74	30	9	69	26
Private	Brown University	11	58	24	9	69	26
Private	California Institute of Technology	21	27	16	14	45	21
Private	Carnegie Mellon University	10	67	26	5	103	38
Private	Case Western Reserve University	9	74	30	14	45	21
Private	Charles R. Drew University of Medicine and Science	0	521	217	0	526	225
Public	Clemson University	5	107	68	4	124	79
Public	Colorado State University	7	85	53	5	103	66
Private	Columbia University	36	10	3	44	3	2
Private	Cornell University	32	12	5	36	6	3
Private	Dartmouth College	12	55	23	16	38	17
Public	Desert Research Institute	0	521	305	0	526	225
Private	Drexel University	4	122	44	5	103	38
Private	Duke University	29	15	8	21	21	12
Private	Emory University	14	43	20	15	41	19
Public	Florida A&M University	0	521	305	1	284	175
Public	Florida International University	2	194	127	2	198	123
Public	Florida State University	8	79	47	6	89	56
Public	George Mason University	6	98	61	4	124	79
Private	George Washington University	10	67	26	9	69	26
Private	Georgetown University	10	67	26	16	38	17
Public	Georgia Institute of Technology	20	29	13	21	21	10
Private	Harvard University	54	1	1	57	1	1
Private	Howard University	3	146	52	1	284	109
Public	Indiana University - Bloomington	11	58	35	13	49	26
Public	Indiana University-Purdue University - Indianapolis	4	122	79	2	198	123
Public	Iowa State University	8	79	47	13	49	26
Public	Jackson State University	0	521	305	1	284	175
Private	Johns Hopkins University	32	12	5	35	7	4
Public	Kansas State University	5	107	68	5	103	66
Private	Loma Linda University	0	521	217	0	526	225
Public	Louisiana State University - Baton Rouge	7	85	53	7	80	50
Public	Louisiana State University Health Sciences Center	1	273	175	1	284	175
Private	Loyola University Chicago	3	146	52	2	198	76
Private	Massachusetts Institute of Technology	23	21	12	34	8	5
Private	MCP Hahnemann University	0	521	217	0	526	225
Public	Medical College of Georgia	0	521	305	0	526	301
Private	Medical College of Wisconsin	1	273	99	1	284	109
Public	Medical University of South Carolina	2	194	127	0	526	301
Private	Meharry Medical College	0	521	217	0	526	225
Public	Michigan State University	14	43	24	13	49	26

2001 — Faculty Awards	2001 — National Rank	2001 — Control Rank	2000 — Faculty Awards	2000 — National Rank	2000 — Control Rank	1999 — Faculty Awards	1999 — National Rank	1999 — Control Rank
14	51	30	11	62	36	10	66	40
3	157	107	3	159	104	0	505	286
14	51	22	13	53	22	15	48	22
0	545	240	6	93	34	3	149	52
16	42	17	20	28	15	16	46	20
7	86	32	14	47	19	13	52	23
19	35	15	11	62	27	13	52	23
14	51	22	14	47	19	19	40	17
8	79	29	14	47	19	5	101	37
8	79	29	6	93	34	10	66	27
0	545	240	0	520	214	0	505	220
7	86	55	6	93	60	4	123	82
10	70	43	5	112	74	6	89	56
38	7	4	38	6	4	38	13	8
22	29	13	32	11	8	27	23	12
15	46	20	13	53	22	9	74	30
0	545	306	0	520	307	0	505	286
2	201	70	5	112	39	2	188	70
26	21	10	31	14	9	38	13	8
14	51	22	10	70	28	17	44	18
0	545	306	2	199	128	1	277	163
4	125	85	2	199	128	7	82	51
2	201	132	2	199	128	4	123	82
1	286	176	3	159	104	3	149	98
4	125	41	2	199	72	5	101	37
11	65	26	6	93	34	7	82	32
20	34	20	15	43	25	6	89	56
51	2	1	60	1	1	69	1	1
2	201	70	1	284	102	3	149	52
9	76	48	11	62	36	13	52	30
5	105	70	4	131	87	7	82	51
11	65	40	6	93	60	4	123	82
0	545	306	1	284	183	0	505	286
39	5	3	34	9	6	42	9	6
4	125	85	1	284	183	1	277	163
0	545	240	0	520	214	0	505	220
10	70	43	10	70	43	9	74	45
2	201	132	2	199	128	2	188	119
2	201	70	4	131	45	4	123	42
30	14	7	33	10	7	42	9	6
0	545	240	0	520	214	0	505	220
0	545	306	2	199	128	2	188	119
1	286	111	1	284	102	5	101	37
1	286	176	1	284	183	2	188	119
0	545	240	0	520	214	0	505	220
14	51	30	15	43	25	10	66	40

Faculty Awards		2003	2003	2003	2002	2002	2002
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		— Faculty Awards	— National Rank	— Control Rank	— Faculty Awards	— National Rank	— Control Rank
Public	Mississippi State University	1	273	175	1	284	175
Public	Montana State University - Bozeman	3	146	95	0	526	301
Private	Morehouse School of Medicine	0	521	217	0	526	225
Private	Mount Sinai School of Medicine	1	273	99	3	152	57
Public	New Jersey Institute of Technology	0	521	305	0	526	301
Public	New Mexico State University - Las Cruces	2	194	127	4	124	79
Private	New York University	14	43	20	11	59	25
Public	North Carolina State University	7	85	53	7	80	50
Public	North Dakota State University	3	146	95	3	152	96
Private	Northeastern University	3	146	52	2	198	76
Private	Northwestern University	30	14	7	17	33	15
Public	Ohio State University - Columbus	17	36	19	21	21	10
Public	Oklahoma State University - Stillwater	5	107	68	4	124	79
Public	Oregon Health & Science University	12	55	33	10	61	36
Public	Oregon State University	5	107	68	3	152	96
Public	Pennsylvania State University - Hershey Medical Ctr	4	122	79	5	103	66
Public	Pennsylvania State University - University Park	29	15	8	26	15	5
Private	Princeton University	27	19	10	30	11	8
Public	Purdue University - West Lafayette	13	50	29	17	33	19
Private	Rensselaer Polytechnic Institute	5	107	40	4	124	46
Private	Rice University	7	85	33	7	80	31
Private	Rockefeller University	16	39	18	19	28	14
Private	Rush University	1	273	99	0	526	225
Public	Rutgers the State University of NJ - New Brunswick	13	50	29	11	59	35
Private	Saint Louis University - St. Louis	2	194	68	1	284	109
Public	San Diego State University	3	146	95	2	198	123
Private	Stanford University	44	2	2	27	13	10
Public	State Univ. of New York Health Science Ctr - Brooklyn	1	273	175	1	284	175
Public	Stony Brook University	15	40	22	18	31	17
Private	Syracuse University	4	122	44	5	103	38
Public	Temple University	5	107	68	3	152	96
Public	Texas A&M University	10	67	42	13	49	26
Public	Texas A&M University System Health Sciences Center	0	521	305	0	526	301
Public	Texas Tech University	3	146	95	5	103	66
Private	Thomas Jefferson University	2	194	68	3	152	57
Private	Tufts University	7	85	33	5	103	38
Private	Tulane University	10	67	26	9	69	26
Public	University at Albany	4	122	79	3	152	96
Public	University at Buffalo	10	67	42	6	89	56
Public	University of Alabama - Birmingham	10	67	42	9	69	44
Public	University of Alabama - Huntsville	2	194	127	1	284	175
Public	University of Alabama - Tuscaloosa	3	146	95	3	152	96
Public	University of Alaska - Fairbanks	3	146	95	0	526	301
Public	University of Arizona	19	30	14	21	21	10
Public	University of Arkansas - Fayetteville	4	122	79	4	124	79
Public	University of Arkansas for Medical Sciences	0	521	305	0	526	301

2001 — Faculty Awards	2001 — National Rank	2001 — Control Rank	2000 — Faculty Awards	2000 — National Rank	2000 — Control Rank	1999 — Faculty Awards	1999 — National Rank	1999 — Control Rank
2	201	132	3	159	104	3	149	98
0	545	306	5	112	74	3	149	98
0	545	240	0	520	214	0	505	220
3	157	51	3	159	56	5	101	37
0	545	306	0	520	307	2	188	119
6	95	62	7	86	54	4	123	82
17	39	16	22	27	14	28	19	11
17	39	24	14	47	29	6	89	56
1	286	176	0	520	307	1	277	163
3	157	51	4	131	45	4	123	42
32	12	6	27	22	12	25	27	14
23	27	15	19	29	14	25	27	14
5	105	70	6	93	60	1	277	163
14	51	30	11	62	36	10	66	40
7	86	55	6	93	60	4	123	82
5	105	70	4	131	87	6	89	56
26	21	12	16	40	22	23	31	16
25	24	12	28	20	11	26	24	13
19	35	21	19	29	14	23	31	16
4	125	41	8	81	31	4	123	42
6	95	34	8	81	31	10	66	27
16	42	17	10	70	28	24	30	15
1	286	111	1	284	102	0	505	220
15	46	27	19	29	14	22	33	18
2	201	70	0	520	214	4	123	42
5	105	70	7	86	54	6	89	56
48	3	2	53	3	2	67	2	2
0	545	306	0	520	307	0	505	286
21	31	17	17	39	21	20	36	21
7	86	32	7	86	33	6	89	34
5	105	70	5	112	74	5	101	65
21	31	17	11	62	36	18	41	24
0	545	306	0	520	307	0	505	286
3	157	107	4	131	87	5	101	65
2	201	70	2	199	72	2	188	70
11	65	26	12	58	25	12	57	25
10	70	28	9	74	30	10	66	27
6	95	62	2	199	128	1	277	163
4	125	85	16	40	22	14	51	29
11	65	40	15	43	25	15	48	27
0	545	306	0	520	307	0	505	286
1	286	176	4	131	87	5	101	65
3	157	107	1	284	183	1	277	163
16	42	26	18	36	20	11	60	34
3	157	107	1	284	183	4	123	82
0	545	306	0	520	307	0	505	286

<b>Faculty Awards</b>		2003	2003	2003	2002	2002	2002
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		— Faculty Awards	— National Rank	— Control Rank	— Faculty Awards	— National Rank	— Control Rank
Public	University of California - Berkeley	44	2	1	27	13	4
Public	University of California - Davis	21	27	12	10	61	36
Public	University of California - Irvine	11	58	35	15	41	23
Public	University of California - Los Angeles	37	8	6	26	15	5
Public	University of California - Riverside	9	74	45	4	124	79
Public	University of California - San Diego	37	8	6	17	33	19
Public	University of California - San Francisco	29	15	8	10	61	36
Public	University of California - Santa Barbara	11	58	35	14	45	25
Public	University of California - Santa Cruz	4	122	79	5	103	66
Public	University of Central Florida	3	146	95	4	124	79
Private	University of Chicago	25	20	11	17	33	15
Public	University of Cincinnati - Cincinnati	12	55	33	10	61	36
Public	University of Colorado - Boulder	19	30	14	26	15	5
Public	University of Colorado Health Sciences Center	9	74	45	9	69	44
Public	University of Connecticut - Health Center	4	122	79	4	124	79
Public	University of Connecticut - Storrs	6	98	61	8	77	47
Private	University of Dayton	0	521	217	1	284	109
Public	University of Delaware	5	107	68	7	80	50
Public	University of Florida	19	30	14	16	38	22
Public	University of Georgia	6	98	61	6	89	56
Public	University of Hawaii - Manoa	11	58	35	3	152	96
Public	University of Houston - University Park	5	107	68	4	124	79
Public	University of Idaho	2	194	127	2	198	123
Public	University of Illinois - Chicago	14	43	24	12	56	33
Public	University of Illinois - Urbana-Champaign	40	5	3	26	15	5
Public	University of Iowa	14	43	24	17	33	19
Public	University of Kansas - Lawrence	7	85	53	13	49	26
Public	University of Kansas Medical Center	1	273	175	3	152	96
Public	University of Kentucky	11	58	35	10	61	36
Public	University of Louisville	2	194	127	8	77	47
Public	University of Maine - Orono	3	146	95	5	103	66
Public	University of Maryland - Baltimore	0	521	305	3	152	96
Public	University of Maryland - Baltimore County	3	146	95	2	198	123
Public	University of Maryland - College Park	22	26	11	19	28	15
Public	University of Massachusetts - Amherst	15	40	22	10	61	36
Public	University of Massachusetts Medical Sch - Worcester	7	85	53	7	80	50
Public	University of Medicine & Dentistry of New Jersey	5	107	68	7	80	50
Private	University of Miami	7	85	33	7	80	31
Public	University of Michigan - Ann Arbor	39	6	4	44	3	2
Public	University of Minnesota - Twin Cities	14	43	24	18	31	17
Public	University of Mississippi - Oxford	1	273	175	3	152	96
Public	University of Missouri - Columbia	14	43	24	13	49	26
Public	University of Montana - Missoula	1	273	175	1	284	175
Public	University of Nebraska - Lincoln	2	194	127	6	89	56
Public	University of Nebraska Medical Center	4	122	79	2	198	123
Public	University of Nevada - Las Vegas	1	273	175	2	198	123

2001 — Faculty Awards	2001 — National Rank	2001 — Control Rank	2000 — Faculty Awards	2000 — National Rank	2000 — Control Rank	1999 — Faculty Awards	1999 — National Rank	1999 — Control Rank
47	4	2	56	2	1	57	5	2
24	25	13	19	29	14	20	36	21
10	70	43	12	58	34	6	89	56
39	5	3	51	4	2	61	3	1
8	79	51	3	159	104	5	101	65
30	14	8	29	18	8	36	15	6
32	12	7	31	14	6	41	12	5
9	76	48	9	74	45	15	48	27
4	125	85	7	86	54	9	74	45
0	545	306	2	199	128	0	505	286
27	18	8	35	8	5	43	8	5
14	51	30	8	81	51	12	57	33
17	39	24	15	43	25	28	19	9
8	79	51	9	74	45	11	60	34
3	157	107	3	159	104	2	188	119
14	51	30	8	81	51	5	101	65
0	545	240	0	520	214	1	277	115
4	125	85	9	74	45	5	101	65
24	25	13	27	22	11	25	27	14
15	46	27	11	62	36	6	89	56
7	86	55	4	131	87	9	74	45
4	125	85	6	93	60	9	74	45
2	201	132	2	199	128	4	123	82
12	61	37	16	40	22	18	41	24
34	9	5	32	11	4	32	18	8
14	51	30	11	62	36	22	33	18
9	76	48	14	47	29	4	123	82
4	125	85	5	112	74	3	149	98
12	61	37	14	47	29	13	52	30
5	105	70	2	199	128	4	123	82
3	157	107	5	112	74	3	149	98
5	105	70	5	112	74	11	60	34
3	157	107	6	93	60	5	101	65
21	31	17	12	58	34	11	60	34
14	51	30	13	53	32	10	66	40
8	79	51	9	74	45	7	82	51
6	95	62	6	93	60	5	101	65
2	201	70	3	159	56	7	82	32
52	1	1	32	11	4	45	7	3
28	17	10	30	16	7	28	19	9
0	545	306	2	199	128	0	505	286
10	70	43	9	74	45	13	52	30
6	95	62	2	199	128	2	188	119
6	95	62	5	112	74	7	82	51
3	157	107	3	159	104	1	277	163
2	201	132	3	159	104	2	188	119



Faculty Awards		2003	2003	2003	2002	2002	2002
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		— Faculty Awards	— National Rank	— Control Rank	— Faculty Awards	— National Rank	— Control Rank
Public	University of Nevada - Reno	4	122	79	6	89	56
Public	University of New Hampshire - Durham	4	122	79	3	152	96
Public	University of New Mexico - Albuquerque	3	146	95	7	80	50
Public	University of North Carolina - Chapel Hill	19	30	14	24	19	9
Public	University of North Dakota	1	273	175	0	526	301
Private	University of Notre Dame	9	74	30	14	45	21
Public	University of Oklahoma - Norman	8	79	47	2	198	123
Public	University of Oklahoma Health Sciences Center	1	273	175	2	198	123
Public	University of Oregon	11	58	35	8	77	47
Private	University of Pennsylvania	23	21	12	31	9	6
Public	University of Pittsburgh - Pittsburgh	13	50	29	15	41	23
Public	University of Puerto Rico - Medical Sciences	0	521	305	0	526	301
Public	University of Rhode Island	3	146	95	1	284	175
Private	University of Rochester	11	58	24	9	69	26
Public	University of South Carolina - Columbia	6	98	61	10	61	36
Public	University of South Florida	8	79	47	5	103	66
Private	University of Southern California	23	21	12	23	20	11
Public	University of Southern Mississippi	0	521	305	1	284	175
Public	University of Tennessee - Knoxville	1	273	175	5	103	66
Public	University of Texas - Austin	23	21	10	20	25	13
Public	University of Texas Health Science Center - Houston	6	98	61	5	103	66
Public	University of Texas Health Science Ctr - San Antonio	8	79	47	9	69	44
Public	University of Texas MD Anderson Cancer Center	1	273	175	0	526	301
Public	University of Texas Medical Branch - Galveston	5	107	68	2	198	123
Public	University of Texas SW Medical Center - Dallas	13	50	29	12	56	33
Public	University of Utah	19	30	14	19	28	15
Public	University of Vermont	5	107	68	6	89	56
Public	University of Virginia	17	36	19	20	25	13
Public	University of Washington - Seattle	38	7	5	42	5	3
Public	University of Wisconsin - Madison	44	2	1	52	2	1
Public	University of Wyoming	1	273	175	4	124	79
Public	US Naval Postgraduate School	1	273	175	0	526	301
Public	Utah State University	3	146	95	3	152	96
Private	Vanderbilt University	19	30	17	15	41	19
Public	Virginia Commonwealth University	7	85	53	6	89	56
Public	Virginia Polytechnic Institute and State University	8	79	47	10	61	36
Private	Wake Forest University	4	122	44	4	124	46
Public	Washington State University - Pullman	11	58	35	6	89	56
Private	Washington University in St. Louis	29	15	8	31	9	6
Public	Wayne State University	7	85	53	5	103	66
Public	West Virginia University	0	521	305	0	526	301
Private	Woods Hole Oceanographic Institution	1	273	99	2	198	76
Private	Yale University	35	11	4	28	12	9
Private	Yeshiva University	7	85	33	6	89	34

2001 — Faculty Awards	2001 — National Rank	2001 — Control Rank	2000 — Faculty Awards	2000 — National Rank	2000 — Control Rank	1999 — Faculty Awards	1999 — National Rank	1999 — Control Rank
6	95	62	4	131	87	3	149	98
7	86	55	6	93	60	4	123	82
6	95	62	6	93	60	6	89	56
30	14	8	29	18	8	26	24	12
3	157	107	4	131	87	1	277	163
12	61	25	13	53	22	12	57	25
10	70	43	2	199	128	10	66	40
2	201	132	4	131	87	3	149	98
12	61	37	5	112	74	11	60	34
33	11	5	42	5	3	50	6	4
18	37	22	11	62	36	20	36	21
0	545	306	0	520	307	1	277	163
4	125	85	3	159	104	2	188	119
8	79	29	12	58	25	6	89	34
11	65	40	10	70	43	5	101	65
4	125	85	8	81	51	8	80	50
22	29	13	19	29	16	16	46	20
1	286	176	1	284	183	0	505	286
5	105	70	6	93	60	1	277	163
23	27	15	28	20	10	26	24	12
5	105	70	4	131	87	5	101	65
8	79	51	7	86	54	7	82	51
0	545	306	2	199	128	1	277	163
2	201	132	1	284	183	1	277	163
18	37	22	19	29	14	28	19	9
15	46	27	19	29	14	18	41	24
7	86	55	7	86	54	5	101	65
27	18	11	25	25	12	21	35	20
37	8	4	37	7	3	42	9	4
34	9	5	25	25	12	36	15	6
4	125	85	3	159	104	2	188	119
0	545	306	0	520	307	0	505	286
5	105	70	0	520	307	0	505	286
15	46	20	18	36	17	20	36	16
7	86	55	4	131	87	9	74	45
5	105	70	7	86	54	5	101	65
4	125	41	2	199	72	4	123	42
7	86	55	9	74	45	5	101	65
26	21	10	30	16	10	34	17	10
4	125	85	6	93	60	11	60	34
4	125	85	2	199	128	5	101	65
1	286	111	0	520	214	1	277	115
27	18	8	27	22	12	61	3	3
5	105	36	5	112	39	8	80	31

<b>Doctorates Awarded</b>		2003	2003	2003	2002	2002	2002
Institutions with Over \$20 Million in Federal Research, Alphabetically		— Doctorates	— National Rank	— Control Rank	— Doctorates	— National Rank	— Control Rank
Public	Arizona State University - Tempe	300	39	26	313	39	27
Public	Auburn University	159	86	60	143	95	65
Private	Baylor College of Medicine	60	192	78	41	227	93
Private	Boston College	143	98	31	120	111	36
Private	Boston University	270	46	14	246	52	15
Private	Brandeis University	93	136	51	102	130	46
Private	Brown University	143	98	31	148	92	29
Private	California Institute of Technology	137	102	33	139	98	31
Private	Carnegie Mellon University	164	82	26	176	77	24
Private	Case Western Reserve University	179	77	24	175	78	25
Private	Charles R. Drew University of Medicine and Science	0	571	236	0	543	306
Public	Clemson University	116	119	78	116	112	76
Public	Colorado State University	182	75	52	148	92	64
Private	Columbia University	433	21	7	452	17	6
Private	Cornell University	436	20	6	412	22	8
Private	Dartmouth College	67	180	73	40	233	97
Public	Desert Research Institute	NR			NR		
Private	Drexel University	108	124	42	86	138	50
Private	Duke University	253	52	17	246	52	15
Private	Emory University	154	90	28	178	75	23
Public	Florida A&M University	17	343	179	9	402	204
Public	Florida International University	60	192	115	52	205	124
Public	Florida State University	290	41	28	248	51	37
Public	George Mason University	138	101	69	129	102	70
Private	George Washington University	228	61	19	223	58	18
Private	Georgetown University	88	144	55	81	145	53
Public	Georgia Institute of Technology	225	62	43	257	48	34
Private	Harvard University	548	13	4	543	12	3
Private	Howard University	93	136	51	102	130	46
Public	Indiana University - Bloomington	389	26	18	347	32	21
Public	Indiana University-Purdue University - Indianapolis	24	299	167	29	273	159
Public	Iowa State University	238	56	38	239	54	38
Public	Jackson State University	31	271	156	26	287	163
Private	Johns Hopkins University	364	31	11	373	27	10
Public	Kansas State University	145	95	66	152	90	62
Private	Loma Linda University	68	178	72	66	169	65
Public	Louisiana State University - Baton Rouge	211	66	47	222	59	41
Public	Louisiana State University Health Sciences Center	22	313	173	32	264	155
Private	Loyola University Chicago	166	80	25	206	65	19
Private	Massachusetts Institute of Technology	440	19	5	501	15	4
Private	MCP Hahnemann University	NR			NR		
Public	Medical College of Georgia	15	354	183	16	344	183
Private	Medical College of Wisconsin	16	348	168	17	339	159
Public	Medical University of South Carolina	35	252	147	39	238	138
Private	Meharry Medical College	8	439	232	10	391	192
Public	Michigan State University	442	17	13	428	20	14

2001 — Doctorates	2001 — National Rank	2001 — Control Rank	2000 — Doctorates	2000 — National Rank	2000 — Control Rank	1998 — Doctorates	1998 — National Rank	1998 — Control Rank
277	44	30	286	42	29	287	48	34
153	91	64	186	75	53	192	79	55
51	196	76	61	176	62	49	203	74
109	116	39	116	115	40	96	128	44
304	39	14	274	49	15	307	42	14
104	122	44	111	122	43	95	129	45
135	98	29	149	93	29	174	83	26
159	84	27	127	103	32	195	77	23
169	78	24	152	91	28	203	74	22
201	67	17	202	69	19	187	80	25
0	547	308	0	529	290	0	526	290
110	115	77	116	115	76	101	123	83
157	88	61	180	79	56	214	69	49
465	19	7	461	20	7	469	20	7
470	18	6	468	18	6	505	16	6
50	199	78	38	222	85	44	212	77
NR			NR			NR		
51	196	76	33	238	98	52	197	73
259	49	16	230	63	17	238	63	17
167	80	26	160	85	27	144	97	28
16	328	176	8	387	200	1	502	228
69	164	104	58	179	116	73	156	101
252	52	36	263	51	36	305	43	29
138	97	69	132	98	67	87	141	92
192	71	20	236	61	16	193	78	24
71	160	58	107	126	45	79	147	52
255	51	35	230	63	47	263	56	42
520	13	3	602	8	1	803	2	1
96	130	46	121	110	38	95	129	45
404	23	16	409	25	17	361	33	21
38	229	136	43	214	133	36	229	143
232	61	45	238	59	44	300	45	31
17	323	173	15	328	179	29	253	152
384	26	8	351	32	11	360	34	13
145	94	67	132	98	67	162	90	63
38	229	94	42	218	83	19	297	131
264	47	32	275	47	33	258	59	43
29	260	151	33	238	141	26	268	155
118	110	35	163	84	26	133	104	31
492	16	5	475	17	5	520	14	4
24	284	124	28	263	110	38	219	82
13	350	185	13	342	184	22	282	162
16	328	153	11	356	166	17	309	138
32	251	144	25	275	158	17	309	172
14	342	161	10	369	174	16	317	143
414	22	15	444	22	15	451	22	15

<b>Doctorates Awarded</b>							
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		2003 — Doctorates	2003 — National Rank	2003 — Control Rank	2002 — Doctorates	2002 — National Rank	2002 — Control Rank
Public	Mississippi State University	93	136	86	96	133	85
Public	Montana State University - Bozeman	42	237	135	36	250	144
Private	Morehouse School of Medicine	3	514	287	2	500	274
Private	Mount Sinai School of Medicine	27	287	125	35	253	107
Public	New Jersey Institute of Technology	46	224	130	53	202	121
Public	New Mexico State University - Las Cruces	75	162	99	77	151	96
Private	New York University	411	25	8	415	21	7
Public	North Carolina State University	322	36	24	300	41	28
Public	North Dakota State University	33	263	152	24	299	168
Private	Northeastern University	93	136	51	60	183	72
Private	Northwestern University	370	30	10	349	31	11
Public	Ohio State University - Columbus	575	10	8	617	4	4
Public	Oklahoma State University - Stillwater	182	75	52	188	71	51
Public	Oregon Health & Science University	27	287	163	34	259	150
Public	Oregon State University	171	79	55	156	88	60
Public	Pennsylvania State University - Hershey Medical Ctr	41	239	137	20	319	172
Public	Pennsylvania State University - University Park	503	14	10	519	13	10
Private	Princeton University	260	49	15	230	56	17
Public	Purdue University - West Lafayette	463	16	12	409	23	15
Private	Rensselaer Polytechnic Institute	136	103	34	115	116	39
Private	Rice University	107	125	43	106	127	44
Private	Rockefeller University	34	260	109	30	269	113
Private	Rush University	33	263	112	32	264	110
Public	Rutgers the State University of NJ - New Brunswick	358	32	21	363	29	19
Private	Saint Louis University - St. Louis	151	92	29	110	123	42
Public	San Diego State University	40	242	139	36	250	144
Private	Stanford University	611	7	2	548	11	2
Public	State Univ. of New York Health Science Ctr - Brooklyn	6	459	214	10	391	200
Public	Stony Brook University	298	40	27	361	30	20
Private	Syracuse University	121	115	41	129	102	33
Public	Temple University	161	85	59	226	57	40
Public	Texas A&M University	442	17	13	504	14	11
Public	Texas A&M University System Health Sciences Center	4	487	219	11	377	196
Public	Texas Tech University	163	83	57	140	97	67
Private	Thomas Jefferson University	18	339	161	5	451	237
Private	Tufts University	85	150	59	96	133	49
Private	Tulane University	105	127	45	136	101	32
Public	University at Albany	165	81	56	159	85	57
Public	University at Buffalo	269	47	33	231	55	39
Public	University of Alabama - Birmingham	155	89	62	125	108	74
Public	University of Alabama - Huntsville	21	318	175	34	259	150
Public	University of Alabama - Tuscaloosa	178	78	54	157	87	59
Public	University of Alaska - Fairbanks	36	250	145	19	326	176
Public	University of Arizona	378	28	19	370	28	18
Public	University of Arkansas - Fayetteville	120	117	76	106	127	84
Public	University of Arkansas for Medical Sciences	15	354	183	16	344	183

2001 — Doctorates	2001 — National Rank	2001 — Control Rank	2000 — Doctorates	2000 — National Rank	2000 — Control Rank	1998 — Doctorates	1998 — National Rank	1998 — Control Rank
99	128	83	128	102	71	104	119	81
30	257	149	32	246	146	52	197	125
1	527	291	0	529	290	2	477	256
21	297	131	27	267	113	0	526	290
66	174	108	52	192	121	33	239	147
79	149	96	76	153	99	95	129	85
368	29	11	402	27	9	446	23	8
306	38	25	316	37	24	322	39	26
23	289	163	19	302	170	31	245	149
77	151	55	76	153	55	87	141	50
350	33	12	321	35	13	377	29	10
620	6	6	620	5	5	636	8	7
236	57	41	185	76	54	177	82	57
21	297	167	38	222	138	27	263	154
161	83	57	158	87	60	187	80	56
10	381	192	22	289	163	15	324	176
526	11	10	513	13	10	571	11	9
268	45	15	279	45	14	263	56	15
464	20	13	468	18	13	496	17	11
100	125	45	93	133	49	125	109	34
126	103	31	115	117	41	114	117	38
15	337	157	19	302	133	24	275	117
38	229	94	44	211	81	54	189	67
392	25	18	371	29	19	402	26	17
144	95	28	123	107	35	134	103	30
27	271	156	32	246	146	68	165	107
573	9	1	589	10	2	606	10	2
14	342	182	14	331	181	13	336	181
231	62	46	244	58	43	265	54	40
121	106	34	147	94	30	166	87	27
238	56	40	263	51	36	285	49	35
509	15	11	490	14	11	525	13	10
9	394	198	NA			NA		
139	96	68	141	96	65	163	89	62
11	365	176	16	322	144	19	297	131
88	144	50	100	130	47	82	144	51
125	104	32	126	104	33	128	107	33
129	102	72	155	89	62	168	85	59
294	40	26	303	40	27	295	47	33
121	106	73	125	106	72	142	98	70
30	257	149	29	257	152	41	214	136
166	81	55	150	92	64	150	96	69
27	271	156	20	297	166	68	165	107
359	31	20	405	26	18	411	25	16
90	139	92	86	139	90	121	112	77
21	297	167	22	289	163	13	336	181

Doctorates Awarded		2003	2003	2003	2002	2002	2002
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		— Doctorates	— National Rank	— Control Rank	— Doctorates	— National Rank	— Control Rank
Public	University of California - Berkeley	772	1	1	805	1	1
Public	University of California - Davis	373	29	20	346	33	22
Public	University of California - Irvine	188	72	50	175	78	54
Public	University of California - Los Angeles	596	8	6	593	8	8
Public	University of California - Riverside	121	115	75	116	112	76
Public	University of California - San Diego	279	42	29	278	44	30
Public	University of California - San Francisco	80	156	97	84	141	90
Public	University of California - Santa Barbara	251	53	36	199	68	49
Public	University of California - Santa Cruz	104	128	83	93	135	86
Public	University of Central Florida	110	123	82	123	109	75
Private	University of Chicago	332	35	12	333	35	12
Public	University of Cincinnati - Cincinnati	237	57	39	214	63	45
Public	University of Colorado - Boulder	303	38	25	258	47	33
Public	University of Colorado Health Sciences Center	41	239	137	41	227	135
Public	University of Connecticut - Health Center	0	571	335	0	543	238
Public	University of Connecticut - Storrs	237	57	39	221	60	42
Private	University of Dayton	21	318	144	41	227	93
Public	University of Delaware	135	105	70	137	99	68
Public	University of Florida	591	9	7	607	6	6
Public	University of Georgia	414	23	16	393	24	16
Public	University of Hawaii - Manoa	131	107	71	110	123	82
Public	University of Houston - University Park	203	69	49	183	73	52
Public	University of Idaho	90	141	87	58	191	115
Public	University of Illinois - Chicago	225	62	43	177	76	53
Public	University of Illinois - Urbana-Champaign	617	5	4	602	7	7
Public	University of Iowa	249	54	37	320	38	26
Public	University of Kansas - Lawrence	232	60	42	204	66	47
Public	University of Kansas Medical Center	11	398	194	20	319	172
Public	University of Kentucky	208	67	48	216	62	44
Public	University of Louisville	89	142	88	90	136	87
Public	University of Maine - Orono	45	227	132	39	238	138
Public	University of Maryland - Baltimore	70	171	103	81	145	93
Public	University of Maryland - Baltimore County	67	180	108	53	202	121
Public	University of Maryland - College Park	418	22	15	430	19	13
Public	University of Massachusetts - Amherst	213	65	46	287	43	29
Public	University of Massachusetts Medical Sch - Worcester	24	299	167	14	356	187
Public	University of Medicine & Dentistry of New Jersey	114	120	79	66	169	105
Private	University of Miami	127	108	37	116	112	37
Public	University of Michigan - Ann Arbor	617	5	4	610	5	5
Public	University of Minnesota - Twin Cities	560	11	9	560	9	9
Public	University of Mississippi - Oxford	83	153	94	84	141	90
Public	University of Missouri - Columbia	274	43	30	252	50	36
Public	University of Montana - Missoula	33	263	152	37	249	143
Public	University of Nebraska - Lincoln	254	50	35	213	64	46
Public	University of Nebraska Medical Center	23	306	169	27	281	160
Public	University of Nevada - Las Vegas	37	248	144	35	253	147

2001 — Doctorates	2001 — National Rank	2001 — Control Rank	2000 — Doctorates	2000 — National Rank	2000 — Control Rank	1998 — Doctorates	1998 — National Rank	1998 — Control Rank
759	1	1	756	1	1	756	4	3
337	34	22	357	30	20	337	36	23
187	75	53	202	69	51	197	76	54
612	7	7	606	6	6	607	9	8
94	132	86	115	117	77	123	110	76
285	42	28	294	41	28	310	40	27
93	135	88	77	152	98	91	134	87
258	50	34	232	62	46	264	55	41
104	122	79	90	135	86	90	136	89
89	143	94	66	167	108	69	164	106
371	28	10	391	28	10	368	31	11
248	54	38	238	59	44	274	53	39
292	41	27	266	50	35	309	41	28
40	224	134	44	211	131	61	176	115
0	547	240	0	529	240	0	526	237
234	60	44	275	47	33	253	61	45
28	266	113	31	250	102	27	263	110
162	82	56	164	83	58	142	98	70
574	8	8	516	12	9	456	21	14
351	32	21	352	31	21	369	30	20
154	90	63	153	90	63	161	91	64
209	66	50	204	68	50	205	72	51
64	180	113	79	147	95	71	160	103
195	69	51	201	71	52	222	66	48
667	3	3	597	9	8	706	6	5
334	35	23	317	36	23	327	38	25
231	62	46	246	56	41	278	51	37
17	323	173	12	348	186	11	348	186
219	65	49	249	55	40	232	64	47
65	179	112	76	153	99	76	149	97
41	222	133	49	203	126	49	203	130
72	158	102	73	158	102	71	160	103
50	199	122	46	206	128	54	189	123
430	21	14	461	20	14	474	19	13
261	48	33	276	46	32	299	46	32
22	294	166	20	297	166	24	275	159
69	164	104	69	165	107	77	148	96
109	116	39	176	80	24	136	102	29
567	10	9	629	4	4	690	7	6
632	5	5	604	7	7	729	5	4
92	137	90	80	146	94	91	134	87
278	43	29	256	53	38	277	52	38
26	276	159	33	238	141	46	209	134
235	58	42	251	54	39	282	50	36
23	289	163	33	238	141	23	279	161
31	255	148	31	250	149	19	297	167



<b>Doctorates Awarded</b>							
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		2003 — Doctorates	2003 — National Rank	2003 — Control Rank	2002 — Doctorates	2002 — National Rank	2002 — Control Rank
Public	University of Nevada - Reno	95	134	85	72	160	100
Public	University of New Hampshire - Durham	54	207	124	55	196	117
Public	University of New Mexico - Albuquerque	162	84	58	189	70	50
Public	University of North Carolina - Chapel Hill	412	24	17	390	25	17
Public	University of North Dakota	57	198	118	30	269	157
Private	University of Notre Dame	135	105	36	116	112	37
Public	University of Oklahoma - Norman	143	98	68	158	86	58
Public	University of Oklahoma Health Sciences Center	16	348	181	17	339	181
Public	University of Oregon	156	88	61	137	99	68
Private	University of Pennsylvania	385	27	9	380	26	9
Public	University of Pittsburgh - Pittsburgh	348	33	22	336	34	23
Public	University of Puerto Rico - Medical Sciences	3	514	227	6	436	210
Public	University of Rhode Island	77	159	98	77	151	96
Private	University of Rochester	193	70	21	185	72	21
Public	University of South Carolina - Columbia	235	59	41	253	49	35
Public	University of South Florida	153	91	63	165	83	55
Private	University of Southern California	559	12	3	496	16	5
Public	University of Southern Mississippi	117	118	77	112	120	79
Public	University of Tennessee - Knoxville	262	48	34	276	45	31
Public	University of Texas - Austin	674	3	2	639	3	3
Public	University of Texas Health Science Center - Houston	75	162	99	82	144	92
Public	University of Texas Health Science Ctr - San Antonio	25	296	166	34	259	150
Public	University of Texas MD Anderson Cancer Center	NR			NR		
Public	University of Texas Medical Branch - Galveston	35	252	147	40	233	137
Public	University of Texas SW Medical Center - Dallas	42	237	135	48	213	128
Public	University of Utah	225	62	43	218	61	43
Public	University of Vermont	35	252	147	54	201	120
Public	University of Virginia	337	34	23	321	37	25
Public	University of Washington - Seattle	493	15	11	452	17	12
Public	University of Wisconsin - Madison	656	4	3	650	2	2
Public	University of Wyoming	56	201	121	55	196	117
Public	US Naval Postgraduate School	12	386	190	NR		
Public	Utah State University	59	195	116	69	165	104
Private	Vanderbilt University	189	71	22	190	69	20
Public	Virginia Commonwealth University	114	120	79	108	126	83
Public	Virginia Polytechnic Institute and State University	272	44	31	326	36	24
Private	Wake Forest University	35	252	106	24	299	132
Public	Washington State University - Pullman	126	109	72	161	84	56
Private	Washington University in St. Louis	207	68	20	173	81	27
Public	Wayne State University	188	72	50	202	67	48
Public	West Virginia University	150	94	65	142	96	66
Private	Woods Hole Oceanographic Institution	NR			NR		
Private	Yale University	317	37	13	310	40	13
Private	Yeshiva University	125	111	38	109	125	43

2001 — Doctorates	2001 — National Rank	2001 — Control Rank	2000 — Doctorates	2000 — National Rank	2000 — Control Rank	1998 — Doctorates	1998 — National Rank	1998 — Control Rank
60	184	115	84	141	92	72	158	102
43	214	127	49	203	126	74	155	100
174	77	54	184	77	55	199	75	53
398	24	17	425	24	16	382	27	18
44	211	126	39	221	137	40	215	137
132	100	30	147	94	30	118	113	36
158	86	59	167	82	57	165	88	61
18	318	172	17	312	176	17	309	172
156	89	62	138	97	66	160	93	66
373	27	9	427	23	8	436	24	9
360	30	19	316	37	24	380	28	19
12	357	188	4	442	215	6	401	202
95	131	85	84	141	92	71	160	103
196	68	18	211	67	18	220	67	19
235	58	42	246	56	41	243	62	46
158	86	59	131	101	70	155	94	67
522	12	2	481	16	4	515	15	5
112	113	76	108	125	81	113	118	80
239	55	39	286	42	29	254	60	44
733	2	2	659	3	3	836	1	1
75	156	100	87	138	89	66	168	110
36	235	138	24	282	161	25	271	157
NR			NR			NR		
29	260	151	35	235	140	30	249	150
42	215	128	55	189	119	65	170	112
192	71	52	215	66	49	205	72	51
60	184	115	58	179	116	59	179	118
316	36	24	343	33	22	302	44	30
486	17	12	486	15	12	479	18	12
661	4	4	729	2	2	757	3	2
70	162	103	73	158	102	64	172	113
NR			NR			NR		
66	174	108	71	162	105	90	136	89
192	71	20	190	74	22	217	68	20
104	122	79	112	121	79	117	115	78
268	45	31	309	39	26	349	35	22
25	282	122	28	263	110	32	242	95
149	92	65	118	114	75	170	84	58
175	76	23	199	72	20	212	70	21
230	64	48	222	65	48	208	71	50
130	101	71	132	98	67	154	95	68
NR			NR			NR		
313	37	13	334	34	12	365	32	12
115	112	37	126	104	33	100	124	41

<b>Postdoctoral Appointees</b>							
Institutions with Over \$20 Million in Federal Research, Alphabetically		2002 — Postdocs	2002 — National Rank	2002 — Control Rank	2001 — Postdocs	2001 — National Rank	2001 — Control Rank
Public	Arizona State University - Tempe	105	100	69	81	109	73
Public	Auburn University	38	150	104	34	156	109
Private	Baylor College of Medicine	365	34	17	506	24	13
Private	Boston College	39	148	46	37	152	47
Private	Boston University	78	117	38	87	106	36
Private	Brandeis University	81	116	37	91	105	35
Private	Brown University	94	108	34	106	100	32
Private	California Institute of Technology	527	23	12	529	22	12
Private	Carnegie Mellon University	168	73	26	140	81	28
Private	Case Western Reserve University	322	41	21	281	47	23
Private	Charles R. Drew University of Medicine and Science	0	274	85	0	271	91
Public	Clemson University	40	147	102	37	152	106
Public	Colorado State University	196	67	42	218	63	37
Private	Columbia University	302	45	22	315	41	21
Private	Cornell University	764	12	8	689	11	7
Private	Dartmouth College	138	81	28	98	103	34
Public	Desert Research Institute	NR			NR		
Private	Drexel University	0	274	85	52	135	43
Private	Duke University	665	16	9	635	14	9
Private	Emory University	452	25	13	415	30	15
Public	Florida A&M University	0	274	190	0	271	181
Public	Florida International University	26	174	123	31	163	113
Public	Florida State University	104	102	70	116	95	65
Public	George Mason University	0	274	190	1	263	177
Private	George Washington University	50	138	43	55	132	42
Private	Georgetown University	62	129	41	76	111	37
Public	Georgia Institute of Technology	34	155	109	64	120	81
Private	Harvard University	3698	1	1	3597	1	1
Private	Howard University	22	188	56	14	206	65
Public	Indiana University - Bloomington	150	79	52	144	78	52
Public	Indiana University-Purdue University - Indianapolis	225	62	38	212	65	39
Public	Iowa State University	203	65	41	180	71	45
Public	Jackson State University	17	202	143	8	228	157
Private	Johns Hopkins University	1301	3	2	1159	3	3
Public	Kansas State University	133	85	56	122	89	61
Private	Loma Linda University	26	174	52	41	143	44
Public	Louisiana State University - Baton Rouge	86	113	79	84	107	71
Public	Louisiana State University Health Sciences Center	59	133	91	56	131	90
Private	Loyola University Chicago	86	113	35	74	113	38
Private	Massachusetts Institute of Technology	986	6	5	828	10	6
Private	MCP Hahnemann University	0	274	85	0	271	91
Public	Medical College of Georgia	88	111	77	84	107	71
Private	Medical College of Wisconsin	105	100	32	121	90	29
Public	Medical University of South Carolina	183	70	45	216	64	38
Private	Meharry Medical College	0	274	85	17	195	59
Public	Michigan State University	377	33	17	289	44	23

2000 — Postdocs	2000 — National Rank	2000 — Control Rank	1999 — Postdocs	1999 — National Rank	1999 — Control Rank	1998 — Postdocs	1998 — National Rank	1998 — Control Rank
60	131	90	75	112	75	88	103	69
36	155	108	33	158	108	34	155	104
430	28	14	394	25	13	406	21	11
38	151	47	36	151	47	30	160	52
129	87	29	183	70	28	98	99	33
97	105	35	100	99	34	79	107	36
81	114	37	187	67	27	155	78	28
495	23	12	497	18	10	471	18	9
130	86	28	144	79	29	150	80	29
365	34	18	349	28	15	318	31	17
0	281	89	0	283	92	0	289	95
35	157	110	17	193	129	18	186	128
144	78	52	255	48	27	237	53	30
352	37	20	352	27	14	379	26	13
610	16	9	607	11	5	554	14	7
107	94	32	115	90	32	73	112	37
NR			NR			NR		
70	121	40	65	121	39	30	160	52
646	14	8	571	13	7	609	12	6
373	33	17	200	66	26	201	66	26
0	281	193	0	283	192	0	289	195
31	166	114	0	283	192	13	207	143
102	98	65	99	101	67	115	93	62
5	241	167	7	230	155	16	194	133
35	157	48	50	137	43	37	146	46
59	132	42	70	118	38	80	106	35
98	103	70	0	283	192	0	289	195
3491	1	1	3291	1	1	3417	1	1
7	229	72	33	158	51	40	141	44
167	71	46	143	80	51	175	71	44
256	51	27	255	48	27	232	57	34
180	67	42	179	71	43	185	70	43
8	226	155	0	283	192	4	247	169
1029	4	4	1239	3	3	1006	4	3
100	101	68	88	106	69	74	111	75
35	157	48	63	124	41	39	143	45
88	110	74	72	116	79	66	118	81
78	116	79	74	113	76	75	110	74
76	117	38	58	127	42	55	127	40
794	10	6	498	17	9	456	20	10
98	103	34	108	94	33	108	94	32
88	110	74	72	116	79	70	117	80
111	93	31	94	104	37	36	150	47
165	72	47	185	69	42	159	77	50
16	199	61	18	191	64	18	186	59
284	46	22	258	47	26	234	56	33

Postdoctoral Appointees		2002	2002	2002	2001	2001	2001
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		— Postdocs	— National Rank	— Control Rank	— Postdocs	— National Rank	— Control Rank
Public	Mississippi State University	35	153	107	28	173	121
Public	Montana State University - Bozeman	106	99	68	79	110	74
Private	Morehouse School of Medicine	44	142	44	33	157	48
Private	Mount Sinai School of Medicine	0	274	85	0	271	91
Public	New Jersey Institute of Technology	21	192	136	12	213	146
Public	New Mexico State University - Las Cruces	0	274	190	0	271	181
Private	New York University	326	40	20	284	45	22
Public	North Carolina State University	301	46	24	209	66	40
Public	North Dakota State University	45	141	98	46	140	97
Private	Northeastern University	29	167	51	32	159	50
Private	Northwestern University	156	78	27	251	55	25
Public	Ohio State University - Columbus	331	38	19	283	46	24
Public	Oklahoma State University - Stillwater	55	135	93	43	141	98
Public	Oregon Health & Science University	123	92	62	160	76	50
Public	Oregon State University	107	98	67	107	98	68
Public	Pennsylvania State University - Hershey Medical Ctr	68	125	85	49	138	95
Public	Pennsylvania State University - University Park	266	54	30	258	53	29
Private	Princeton University	348	36	18	339	36	18
Public	Purdue University - West Lafayette	237	57	33	247	57	32
Private	Rensselaer Polytechnic Institute	75	120	39	64	120	40
Private	Rice University	127	89	30	107	98	31
Private	Rockefeller University	334	37	19	324	38	19
Private	Rush University	41	145	45	59	128	41
Public	Rutgers the State University of NJ - New Brunswick	135	82	54	123	88	60
Private	Saint Louis University - St. Louis	32	159	48	29	171	52
Public	San Diego State University	12	216	152	1	263	177
Private	Stanford University	1214	4	3	1210	2	2
Public	State Univ. of New York Health Science Ctr - Brooklyn	0	274	190	0	271	181
Public	Stony Brook University	229	61	37	394	32	16
Private	Syracuse University	33	158	47	27	175	53
Public	Temple University	78	117	80	51	136	93
Public	Texas A&M University	281	50	26	232	60	34
Public	Texas A&M University System Health Sciences Center	71	123	84	73	114	76
Public	Texas Tech University	60	131	90	67	117	79
Private	Thomas Jefferson University	203	65	25	235	58	26
Private	Tufts University	407	30	15	428	28	14
Private	Tulane University	86	113	35	67	117	39
Public	University at Albany	30	165	115	10	221	151
Public	University at Buffalo	330	39	20	317	40	20
Public	University of Alabama - Birmingham	230	59	35	312	42	21
Public	University of Alabama - Huntsville	0	274	190	0	271	181
Public	University of Alabama - Tuscaloosa	30	165	115	30	168	118
Public	University of Alaska - Fairbanks	0	274	190	0	271	181
Public	University of Arizona	409	29	15	420	29	15
Public	University of Arkansas - Fayetteville	42	144	100	57	130	89
Public	University of Arkansas for Medical Sciences	39	148	103	31	163	113

2000 — Postdocs	2000 — National Rank	2000 — Control Rank	1999 — Postdocs	1999 — National Rank	1999 — Control Rank	1998 — Postdocs	1998 — National Rank	1998 — Control Rank
28	173	120	24	177	117	21	172	117
70	121	82	74	113	76	72	115	78
25	178	56	25	172	58	11	213	66
0	281	89	0	283	92	0	289	95
13	212	143	0	283	192	11	213	148
0	281	193	18	191	128	23	170	115
313	41	23	293	36	19	329	29	15
118	92	62	203	64	39	145	81	52
38	151	105	37	150	104	41	140	97
35	157	48	26	170	56	35	153	50
135	81	27	249	50	22	258	47	22
288	44	20	264	44	23	218	60	36
42	145	100	35	154	106	43	136	93
142	79	53	84	109	72	76	108	72
107	94	63	85	108	71	57	124	87
51	139	96	51	136	94	37	146	101
261	50	26	246	52	29	212	62	38
320	39	21	315	33	17	319	30	16
243	54	30	228	58	34	231	58	35
72	120	39	46	141	44	56	125	38
123	91	30	118	89	31	127	87	30
231	58	25	275	40	20	225	59	24
44	141	44	25	172	58	36	150	47
153	77	51	151	78	50	171	72	45
56	133	43	38	147	45	45	135	43
1	268	184	0	283	192	4	247	169
1196	2	2	1242	2	2	1089	3	2
0	281	193	47	140	97	37	146	101
394	31	16	400	23	12	345	28	14
28	173	54	38	147	45	35	153	50
65	127	86	113	91	59	122	90	59
241	55	31	267	43	22	293	37	20
39	147	102	31	162	110	NA		
80	115	78	88	106	69	82	104	70
383	32	16	247	51	23	274	45	21
435	27	13	243	56	24	257	48	23
70	121	40	64	122	40	56	125	38
0	281	193	15	201	135	13	207	143
232	57	33	246	52	29	236	55	32
295	42	19	280	38	19	310	34	17
0	281	193	0	283	192	0	289	195
38	151	105	54	133	91	31	158	107
0	281	193	7	230	155	14	204	140
471	24	12	451	19	9	478	17	9
43	143	99	67	120	82	61	119	82
35	157	110	42	145	101	48	132	92

<b>Postdoctoral Appointees</b>							
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		2002 — Postdocs	2002 — National Rank	2002 — Control Rank	2001 — Postdocs	2001 — National Rank	2001 — Control Rank
Public	University of California - Berkeley	859	10	4	896	8	3
Public	University of California - Davis	578	18	8	585	18	9
Public	University of California - Irvine	320	42	21	295	43	22
Public	University of California - Los Angeles	1351	2	1	847	9	4
Public	University of California - Riverside	235	58	34	224	61	35
Public	University of California - San Diego	902	9	3	949	6	1
Public	University of California - San Francisco	430	28	14	430	27	14
Public	University of California - Santa Barbara	187	69	44	176	72	46
Public	University of California - Santa Cruz	113	95	64	172	74	48
Public	University of Central Florida	0	274	190	0	271	181
Private	University of Chicago	392	31	16	361	35	17
Public	University of Cincinnati - Cincinnati	222	63	39	173	73	47
Public	University of Colorado - Boulder	680	15	7	678	12	5
Public	University of Colorado Health Sciences Center	267	53	29	272	48	25
Public	University of Connecticut - Health Center	123	92	62	121	90	62
Public	University of Connecticut - Storrs	125	90	60	120	92	63
Private	University of Dayton	0	274	85	0	271	91
Public	University of Delaware	134	83	55	131	86	58
Public	University of Florida	568	20	10	510	23	11
Public	University of Georgia	180	72	47	187	69	43
Public	University of Hawaii - Manoa	72	122	83	69	116	78
Public	University of Houston - University Park	109	96	65	61	126	86
Public	University of Idaho	41	145	101	31	163	113
Public	University of Illinois - Chicago	292	49	25	265	49	26
Public	University of Illinois - Urbana-Champaign	279	51	27	261	51	27
Public	University of Iowa	360	35	18	370	33	17
Public	University of Kansas - Lawrence	131	86	57	140	81	54
Public	University of Kansas Medical Center	47	139	96	54	133	91
Public	University of Kentucky	230	59	35	250	56	31
Public	University of Louisville	68	125	85	101	102	69
Public	University of Maine - Orono	38	150	104	40	144	100
Public	University of Maryland - Baltimore	183	70	45	181	70	44
Public	University of Maryland - Baltimore County	34	155	109	38	147	103
Public	University of Maryland - College Park	244	56	32	224	61	35
Public	University of Massachusetts - Amherst	142	80	53	134	84	56
Public	University of Massachusetts Medical Sch - Worcester	304	44	23	256	54	30
Public	University of Medicine & Dentistry of New Jersey	188	68	43	155	77	51
Private	University of Miami	115	94	31	141	80	27
Public	University of Michigan - Ann Arbor	735	14	6	624	15	6
Public	University of Minnesota - Twin Cities	749	13	5	615	16	7
Public	University of Mississippi - Oxford	52	136	94	40	144	100
Public	University of Missouri - Columbia	157	77	51	142	79	53
Public	University of Montana - Missoula	11	220	155	19	193	135
Public	University of Nebraska - Lincoln	108	97	66	76	111	75
Public	University of Nebraska Medical Center	62	129	89	63	122	82
Public	University of Nevada - Las Vegas	9	226	160	14	206	142

2000 — Postdocs	2000 — National Rank	2000 — Control Rank	1999 — Postdocs	1999 — National Rank	1999 — Control Rank	1998 — Postdocs	1998 — National Rank	1998 — Control Rank
933	7	3	933	7	4	945	7	4
449	26	14	204	63	38	292	38	21
364	35	17	324	32	16	302	35	18
876	9	4	851	9	5	813	9	5
190	66	41	179	71	43	164	75	48
998	6	2	968	6	3	982	5	2
543	20	10	1117	4	1	1165	2	1
176	69	44	158	76	48	166	74	47
163	74	49	120	88	58	207	64	40
0	281	193	0	283	192	0	289	195
355	36	19	348	29	16	281	43	20
220	60	35	224	59	35	218	60	36
744	11	5	274	41	21	287	40	22
233	56	32	285	37	18	314	32	15
135	81	55	139	83	54	137	83	54
93	107	72	59	126	85	18	186	128
1	268	85	2	258	84	2	265	85
135	81	55	129	87	57	123	89	58
288	44	20	344	30	14	312	33	16
205	64	39	179	71	43	201	66	41
52	137	94	55	132	90	120	91	60
65	127	86	64	122	83	59	121	84
25	178	123	31	162	110	31	158	107
283	47	23	264	44	23	239	51	28
265	49	25	246	52	29	255	49	26
352	37	18	279	39	20	274	45	25
101	99	66	130	86	56	130	86	57
54	135	92	50	137	95	58	123	86
224	59	34	186	68	41	212	62	38
107	94	63	83	110	73	59	121	84
26	177	122	24	177	117	29	162	109
165	72	47	140	82	53	137	83	54
38	151	105	45	142	98	43	136	93
255	52	28	220	60	36	237	53	30
131	85	58	143	80	51	135	85	56
247	53	29	214	61	37	199	68	42
127	89	60	112	92	60	92	101	68
154	76	26	138	84	30	186	69	27
683	12	6	736	10	6	653	10	6
626	15	7	518	16	8	532	15	8
19	192	133	22	182	122	19	184	127
179	68	43	152	77	49	138	82	53
17	196	136	8	225	150	20	177	121
133	84	57	110	93	61	106	95	63
70	121	82	53	134	92	51	130	90
23	184	126	17	193	129	20	177	121



Postdoctoral Appointees		2002 — Postdocs	2002 — National Rank	2002 — Control Rank	2001 — Postdocs	2001 — National Rank	2001 — Control Rank
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)							
Public	University of Nevada - Reno	0	274	190	0	271	181
Public	University of New Hampshire - Durham	27	172	121	24	181	126
Public	University of New Mexico - Albuquerque	76	119	81	51	136	93
Public	University of North Carolina - Chapel Hill	574	19	9	594	17	8
Public	University of North Dakota	12	216	152	14	206	142
Private	University of Notre Dame	134	83	29	120	92	30
Public	University of Oklahoma - Norman	43	143	99	48	139	96
Public	University of Oklahoma Health Sciences Center	59	133	91	61	126	86
Public	University of Oregon	87	112	78	63	122	82
Private	University of Pennsylvania	976	7	6	950	5	5
Public	University of Pittsburgh - Pittsburgh	548	21	11	554	19	10
Public	University of Puerto Rico - Medical Sciences	0	274	190	0	271	181
Public	University of Rhode Island	35	153	107	29	171	120
Private	University of Rochester	296	47	23	263	50	24
Public	University of South Carolina - Columbia	93	109	75	133	85	57
Public	University of South Florida	124	91	61	71	115	77
Private	University of Southern California	543	22	11	549	21	11
Public	University of Southern Mississippi	26	174	123	23	183	127
Public	University of Tennessee - Knoxville	131	86	57	120	92	63
Public	University of Texas - Austin	214	64	40	207	67	41
Public	University of Texas Health Science Center - Houston	92	110	76	58	129	88
Public	University of Texas Health Science Ctr - San Antonio	131	86	57	113	96	66
Public	University of Texas MD Anderson Cancer Center	451	26	13	330	37	19
Public	University of Texas Medical Branch - Galveston	165	74	48	235	58	33
Public	University of Texas SW Medical Center - Dallas	318	43	22	464	26	13
Public	University of Utah	262	55	31	260	52	28
Public	University of Vermont	97	105	73	92	104	70
Public	University of Virginia	379	32	16	366	34	18
Public	University of Washington - Seattle	972	8	2	938	7	2
Public	University of Wisconsin - Madison	461	24	12	467	25	12
Public	University of Wyoming	28	170	119	43	141	98
Public	US Naval Postgraduate School	0	274	190	0	271	181
Public	Utah State University	14	210	148	30	168	118
Private	Vanderbilt University	439	27	14	408	31	16
Public	Virginia Commonwealth University	161	75	49	126	87	59
Public	Virginia Polytechnic Institute and State University	104	102	70	111	97	67
Private	Wake Forest University	96	106	33	103	101	33
Public	Washington State University - Pullman	161	75	49	161	75	49
Private	Washington University in St. Louis	620	17	10	639	13	8
Public	Wayne State University	276	52	28	191	68	42
Public	West Virginia University	31	160	112	32	159	110
Private	Woods Hole Oceanographic Institution	71	123	40	26	176	54
Private	Yale University	1131	5	4	551	20	10
Private	Yeshiva University	828	11	7	1117	4	4

2000 — Postdocs	2000 — National Rank	2000 — Control Rank	1999 — Postdocs	1999 — National Rank	1999 — Control Rank	1998 — Postdocs	1998 — National Rank	1998 — Control Rank
0	281	193	0	283	192	0	289	195
24	183	125	14	204	138	13	207	143
84	113	77	92	105	68	76	108	72
578	18	8	568	14	7	559	13	7
12	213	144	5	242	163	6	232	157
90	108	36	96	102	35	89	102	34
70	121	82	68	119	81	73	112	76
54	135	92	57	128	86	81	105	71
65	127	86	106	97	64	106	95	63
928	8	5	917	8	4	904	8	4
560	19	9	432	21	11	393	25	13
7	229	158	0	283	192	0	289	195
61	130	89	39	146	102	20	177	121
291	43	24	268	42	21	287	40	19
169	70	45	82	111	74	71	116	79
56	133	91	62	125	84	54	128	88
515	22	11	558	15	8	479	16	8
15	203	140	20	186	125	20	177	121
101	99	66	107	96	63	97	100	67
213	62	37	246	52	29	246	50	27
201	65	40	170	74	46	164	75	48
89	109	73	102	98	65	120	91	60
208	63	38	392	26	13	399	23	12
215	61	36	263	46	25	285	42	23
543	20	10	229	57	33	400	22	11
277	48	24	295	35	17	296	36	19
97	105	71	74	113	76	73	112	76
402	29	15	339	31	15	281	43	24
1011	5	1	1057	5	2	953	6	3
471	24	12	440	20	10	465	19	10
74	119	81	52	135	93	53	129	89
0	281	193	0	283	192	0	289	195
29	171	118	25	172	115	18	186	128
397	30	15	406	22	11	398	24	12
139	80	54	203	64	39	238	52	29
126	90	61	108	94	62	101	98	66
104	97	33	96	102	35	124	88	31
157	75	50	163	75	47	151	79	51
667	13	7	582	12	6	633	11	5
128	88	59	135	85	55	169	73	46
45	140	97	7	230	155	12	212	147
21	187	59	27	167	54	16	194	62
597	17	10	206	62	25	203	65	25
1122	3	3	400	23	12	369	27	14

SAT Scores		2002	2002	2002	2001	2001	2001
Institutions with Over \$20 Million in Federal Research, Alphabetically		SAT Range (V, Q) or ACT Range	National Rank	Control Rank	SAT Range (V, Q) or ACT Range	National Rank	Control Rank
Public	Arizona State University - Tempe	NR			490-600; 500-610	432	93
Public	Auburn University	490-600; 510-610	436	102	490-600; 510-610	419	92
Private	Baylor College of Medicine	NA			NA		
Private	Boston College	600-690; 620-710	65	61	600-690; 620-700	66	62
Private	Boston University	590-680; 610-690	78	72	600-680; 610-690	71	65
Private	Brandeis University	620-710; 620-720	44	43	610-710; 610-710	49	48
Private	Brown University	640-750; 650-750	20	20	640-750; 650-740	21	21
Private	California Institute of Technology	710-780; 760-800	1	1	700-780; 760-800	1	1
Private	Carnegie Mellon University	590-700; 680-770	29	29	600-700; 680-770	25	25
Private	Case Western Reserve University	590-710; 630-730	53	51	600-710; 640-730	42	42
Private	Charles R. Drew University of Medicine and Science	NA			NA		
Public	Clemson University	540-640; 590-670	144	23	530-630; 560-650	206	40
Public	Colorado State University	500-600; 500-610	436	102	500-600; 510-610	404	89
Private	Columbia University	660-760; 660-750	15	15	660-760; 660-750	13	13
Private	Cornell University	620-720; 660-750	27	27	620-720; 650-750	27	27
Private	Dartmouth College	650-750; 680-770	10	10	660-750; 670-760	11	11
Public	Desert Research Institute	NA			NA		
Private	Drexel University	520-620; 550-660	229	178	NR		
Private	Duke University	650-740; 670-770	15	15	650-740; 670-760	15	15
Private	Emory University	640-720; 660-740	25	25	640-720; 660-740	24	24
Public	Florida A&M University	450-550; 450-560	911	286	460-570; 450-560	786	232
Public	Florida International University	480-570; 480-570	657	174	530-600; 520-600	352	72
Public	Florida State University	520-620; 520-620	318	72	530-630; 530-640	248	54
Public	George Mason University	490-600; 500-610	458	110	480-580; 490-590	545	134
Private	George Washington University	580-680; 590-680	100	87	570-660; 580-670	121	103
Private	Georgetown University	640-730; 640-730	29	29	640-730; 650-730	25	25
Public	Georgia Institute of Technology	600-690; 650-740	47	2	600-690; 650-730	44	2
Private	Harvard University	700-790; 700-780	3	3	700-790; 700-780	2	2
Private	Howard University	440-670; 410-660	488	367	440-670; 410-660	466	358
Public	Indiana University - Bloomington	490-600; 500-610	458	110	490-600; 490-610	448	101
Public	Indiana University-Purdue University - Indianapolis	430-550; 440-550	1036	335	430-550; 430-540	1040	334
Public	Iowa State University	510-650; 550-670	200	44	510-660; 550-690	165	31
Public	Jackson State University	16-20	1406	530	16-20	1293	443
Private	Johns Hopkins University	620-730; 660-760	23	23	640-730; 680-760	18	18
Public	Kansas State University	19-25	759	218	20-26	545	134
Private	Loma Linda University	NA			NA		
Public	Louisiana State University - Baton Rouge	24-29	177	38	21-26	466	109
Public	Louisiana State University Health Sciences Center	NA			NA		
Private	Loyola University Chicago	520-630; 520-640	275	212	530-630; 520-630	276	218
Private	Massachusetts Institute of Technology	680-760; 740-800	2	2	680-760; 730-800	2	2
Private	MCP Hahnemann University	NA			NA		
Public	Medical College of Georgia	NA			NA		
Private	Medical College of Wisconsin	NA			NA		
Public	Medical University of South Carolina	NA			NA		
Private	Meharry Medical College	NA			NA		
Public	Michigan State University	490-610; 520-640	350	78	490-610; 510-640	352	72

2000 SAT Range (V, Q) or ACT Range	2000 National Rank	2000 Control Rank	1999 SAT Range (V, Q) or ACT Range	1999 National Rank	1999 Control Rank	1998 SAT Range (V, Q) or ACT Range	1998 National Rank	1998 Control Rank
480-600; 490-610	450	111	490-600; 500-620	405	95	490-600; 500-620	389	91
500-590; 510-610	410	95	480-590; 500-600	485	120	510-610; 530-630	280	56
NA			NA			NA		
600-690; 620-700	62	59	590-680; 610-690	70	65	590-680; 610-690	67	61
590-680; 590-680	81	73	590-680; 590-680	77	70	580-670; 590-680	85	73
610-710; 610-710	48	48	620-700; 610-700	48	47	NR		
640-750; 650-740	18	18	640-750; 650-740	16	16	640-750; 650-750	15	15
690-780; 760-800	1	1	700-780; 750-800	1	1	680-770; 740-800	1	1
600-700; 680-760	26	26	600-700; 670-760	24	24	600-710; 670-760	22	22
600-710; 640-740	38	38	590-710; 630-730	44	44	610-720; 640-740	26	26
NA			NA			NA		
550-650; 530-630	195	37	510-610; 520-630	302	65	510-610; 520-630	303	61
500-610; 500-610	386	90	510-610; 520-620	317	69	500-600; 510-620	361	81
660-760; 650-750	12	12	640-740; 630-730	22	22	640-740; 630-730	22	22
620-710; 650-750	28	28	620-710; 650-750	24	24	610-710; 650-740	26	26
660-760; 670-760	10	10	670-770; 680-760	8	8	670-760; 680-760	8	8
NA			NA			NA		
530-640; 500-610	286	226	520-620; 540-640	224	178	500-600; 520-630	327	256
640-740; 660-760	16	16	640-740; 660-760	13	13	640-730; 660-760	15	15
640-720; 660-740	22	22	620-700; 650-710	36	36	630-700; 650-710	32	32
NR			NR			NR		
510-590; 510-590	420	99	520-590; 520-590	377	86	510-590; 510-590	409	94
530-630; 530-630	236	50	520-620; 530-630	254	53	520-620; 520-620	280	56
480-590; 490-590	506	131	470-580; 480-580	589	152	460-570; 470-580	663	177
570-660; 580-660	118	100	570-670; 570-660	117	99	560-660; 560-660	124	104
640-720; 640-730	28	28	620-730; 630-720	31	31	630-730; 630-720	26	26
600-690; 650-730	40	1	590-690; 630-730	48	1	580-680; 630-730	52	2
700-790; 700-780	3	3	700-800; 700-790	2	2	700-790; 690-790	2	2
NR			450-670; 420-670	405	311	430-640; 410-680	490	371
480-600; 490-620	434	106	490-600; 490-610	444	105	500-620; 510-630	317	67
420-530; 420-520	1069	369	420-530; 410-530	1087	371	430-540; 420-540	1012	329
520-660; 550-690	147	23	520-660; 550-690	140	21	520-670; 540-690	137	22
NR			16-20	1209	422	17-20	1177	403
630-720; 670-760	18	18	620-730; 660-760	18	18	630-730; 660-750	19	19
19-23	604	165	NR			20-27	444	103
NA			NA			NA		
21-26	450	111	21-26	460	111	21-26	444	103
NA			NA			NA		
520-640; 520-630	258	205	530-640; 513-630	239	189	520-630; 520-630	252	199
670-760; 740-800	3	3	660-760; 730-800	4	4	670-760; 730-800	3	3
NA			NA			NA		
NA			NA			NA		
NA			NA			NA		
NA			NA			NA		
NA			NA			NA		
490-610; 490-640	370	83	490-610; 490-630	377	86	480-610; 500-630	372	84

SAT Scores		2002	2002	2002	2001	2001	2001
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		SAT Range (V, Q) or ACT Range	National Rank	Control Rank	SAT Range (V, Q) or ACT Range	National Rank	Control Rank
Public	Mississippi State University	20-27	488	122	20-27	466	109
Public	Montana State University - Bozeman	480-600; 500-620	458	110	490-590; 500-610	448	101
Private	Morehouse School of Medicine	NA			NA		
Private	Mount Sinai School of Medicine	NA			NA		
Public	New Jersey Institute of Technology	490-590; 550-660	304	68	490-590; 530-630	374	79
Public	New Mexico State University - Las Cruces	18-23	1095	362	18-23	1060	345
Private	New York University	620-710; 630-720	47	46	630-710; 600-710	51	49
Public	North Carolina State University	530-630; 560-670	191	41	530-630; 550-660	206	40
Public	North Dakota State University	470-610; 500-630	436	102	20-26	545	134
Private	Northeastern University	520-620; 540-640	256	198	520-620; 540-640	264	207
Private	Northwestern University	640-730; 660-750	22	22	640-730; 660-750	21	21
Public	Ohio State University - Columbus	520-620; 540-650	241	56	520-630; 540-660	227	47
Public	Oklahoma State University - Stillwater	500-610; 500-610	403	91	490-620; 500-630	374	79
Public	Oregon Health & Science University	NA			NA		
Public	Oregon State University	470-580; 480-610	568	141	470-590; 480-610	530	131
Public	Pennsylvania State University - Hershey Medical Ctr	NA			NA		
Public	Pennsylvania State University - University Park	530-630; 560-670	191	41	530-630; 560-660	197	38
Private	Princeton University	680-770; 700-790	4	4	680-770; 700-790	4	4
Public	Purdue University - West Lafayette	500-610; 530-660	292	65	500-600; 520-650	326	67
Private	Rensselaer Polytechnic Institute	580-680; 640-720	65	61	580-680; 650-720	59	56
Private	Rice University	650-750; 670-770	12	12	650-750; 670-770	11	11
Private	Rockefeller University	NA			NA		
Private	Rush University	NA			NA		
Public	Rutgers the State University of NJ - New Brunswick	520-630; 550-670	205	45	520-630; 550-660	212	43
Private	Saint Louis University - St. Louis	530-640; 530-660	218	169	540-650; 550-660	177	144
Public	San Diego State University	450-560; 460-590	759	218	450-560; 470-580	726	207
Private	Stanford University	660-760; 690-780	7	7	670-770; 690-780	7	7
Public	State Univ. of New York Health Science Ctr - Brooklyn	NA			NA		
Public	Stony Brook University	500-590; 550-650	304	68	500-600; 540-650	300	62
Private	Syracuse University	550-640; 570-660	159	130	540-640; 570-660	165	135
Public	Temple University	480-580; 480-580	622	161	470-580; 460-570	692	191
Public	Texas A&M University	520-630; 550-660	218	50	520-630; 550-660	212	43
Public	Texas A&M University System Health Sciences Center	NA			NA		
Public	Texas Tech University	480-590; 500-610	488	122	490-590; 510-610	432	93
Private	Thomas Jefferson University	NA			NA		
Private	Tufts University	610-710; 640-720	47	46	590-700; 620-710	64	60
Private	Tulane University	630-710; 610-700	56	54	630-710; 610-700	51	49
Public	University at Albany	500-600; 520-610	392	90	500-600; 520-610	390	86
Public	University at Buffalo	500-600; 520-630	366	84	500-600; 520-630	352	72
Public	University of Alabama - Birmingham	19-25	759	218	19-25	726	207
Public	University of Alabama - Huntsville	500-630; 510-640	318	72	490-620; 500-630	374	79
Public	University of Alabama - Tuscaloosa	490-620; 490-620	403	91	490-610; 490-610	432	93
Public	University of Alaska - Fairbanks	460-590; 450-580	722	201	450-590; 440-580	726	207
Public	University of Arizona	490-600; 500-620	436	102	480-600; 490-620	448	101
Public	University of Arkansas - Fayetteville	510-640; 520-650	256	59	500-640; 510-640	300	62
Public	University of Arkansas for Medical Sciences	NA			NA		

2000 SAT Range (V, Q) or ACT Range	2000 National Rank	2000 Control Rank	1999 SAT Range (V, Q) or ACT Range	1999 National Rank	1999 Control Rank	1998 SAT Range (V, Q) or ACT Range	1998 National Rank	1998 Control Rank
21-29	286	61	19-27	520	135	20-28	372	84
490-600; 510-630	370	83	490-600; 500-620	405	95	470-600; 490-620	444	103
NA			NA			NA		
NA			NA			NA		
480-580; 550-650	325	69	480-590; 550-640	317	69	480-600; 540-640	317	67
17-23	1069	369	18-23	981	323	18-24	889	276
620-710; 630-710	40	40	620-710; 610-710	47	47	620-700; 610-700	48	47
530-630; 550-660	186	34	530-620; 550-650	198	42	520-610; 530-650	238	50
NR			NR			NR		
500-610; 520-620	334	262	510-600; 520-620	332	258	490-590; 500-610	425	325
630-720; 660-750	22	22	630-720; 650-740	22	22	630-720; 650-740	22	22
510-630; 530-650	236	50	500-620; 520-640	283	60	500-610; 510-640	317	67
490-610; 500-620	386	90	500-620; 500-640	317	69	520-630; 520-640	238	50
NA			NA			NA		
470-590; 490-610	490	124	480-590; 490-610	485	120	480-590; 490-610	476	115
NA			NA			NA		
530-630; 550-660	186	34	540-640; 560-670	146	23	540-640; 560-670	144	25
700-780; 710-790	2	2	680-770; 680-770	7	7	680-780; 690-780	4	4
500-600; 520-640	325	69	480-590; 500-630	421	99	480-590; 500-630	409	94
560-660; 620-710	79	71	560-660; 620-710	73	67	550-660; 610-710	81	70
650-750; 660-760	12	12	650-760; 660-760	11	11	640-760; 670-770	10	10
NA			NA			NA		
NA			NA			NA		
520-630; 550-660	195	37	540-640; 560-670	146	23	540-640; 560-670	144	25
23-28	236	187	23-28	224	178	23-28	222	178
470-560; 480-580	648	183	450-560; 470-580	690	196	430-540; 450-550	928	290
670-770; 690-790	7	7	670-770; 690-780	6	6	680-770; 670-770	7	7
NA			NA			NA		
490-600; 530-640	325	69	490-590; 520-640	351	78	480-590; 520-630	372	84
540-640; 570-660	154	127	540-640; 560-660	153	127	530-640; 550-650	179	144
460-570; 460-570	694	202	470-580; 460-570	656	180	450-570; 450-560	766	221
520-630; 550-660	195	37	520-630; 550-660	185	39	520-620; 550-650	206	42
NA			NA			NA		
480-580; 490-600	506	131	480-580; 490-600	503	129	480-580; 480-590	556	138
NA			NA			NA		
610-700; 630-710	47	46	610-710; 640-720	36	36	610-700; 640-720	36	35
530-650; 600-690	118	100	600-700; 590-690	68	63	600-690; 500-680	116	100
510-610; 520-620	325	69	500-600; 510-610	377	86	510-600; 520-620	327	72
490-600; 510-630	370	83	490-600; 510-620	377	86	500-600; 510-630	344	76
19-25	694	202	19-24	796	241	19-24	782	228
500-630; 520-630	286	61	520-630; 520-640	254	53	510-630; 510-630	280	56
490-610; 490-610	420	99	480-620; 480-610	444	105	480-600; 480-600	490	120
370-640; 390-640	753	231	450-590; 460-580	656	180	NR		
480-600; 490-620	434	106	409-610; 490-610	421	99	490-610; 490-610	409	94
510-650; 500-650	258	54	500-650; 520-650	224	47	510-650; 510-650	222	45
NA			NA			NA		

SAT Scores		2002	2002	2002	2001	2001	2001
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		— SAT Range (V, Q) or ACT Range	— National Rank	— Control Rank	— SAT Range (V, Q) or ACT Range	— National Rank	— Control Rank
Public	University of California - Berkeley	570-700; 610-740	65	5	560-700; 610-740	66	5
Public	University of California - Davis	510-630; 560-670	205	45	500-620; 560-660	237	49
Public	University of California - Irvine	510-620; 560-670	218	50	520-610; 550-670	227	47
Public	University of California - Los Angeles	550-670; 590-720	100	14	560-680; 600-720	78	7
Public	University of California - Riverside	440-560; 490-620	637	169	450-570; 490-620	568	144
Public	University of California - San Diego	560-660; 610-710	92	9	560-660; 610-710	89	10
Public	University of California - San Francisco	NA			NA		
Public	University of California - Santa Barbara	510-620; 550-660	237	54	530-630; 560-670	188	36
Public	University of California - Santa Cruz	500-620; 520-630	330	76	510-630; 520-630	300	62
Public	University of Central Florida	510-610; 520-620	350	78	510-600; 520-610	374	79
Private	University of Chicago	660-750; 650-750	19	19	650-750; 650-740	20	20
Public	University of Cincinnati - Cincinnati	460-590; 460-610	622	161	460-590; 460-610	586	152
Public	University of Colorado - Boulder	520-620; 540-640	256	59	540-640; 530-620	248	54
Public	University of Colorado Health Sciences Center	NA			NA		
Public	University of Connecticut - Health Center	NA			NA		
Public	University of Connecticut - Storrs	520-610; 530-630	304	68	510-610; 530-630	313	65
Private	University of Dayton	500-610; 510-630	366	283	520-630; 530-650	248	195
Public	University of Delaware	530-620; 550-650	229	52	530-610; 550-630	264	58
Public	University of Florida	550-660; 580-680	128	19	550-650; 570-670	135	21
Public	University of Georgia	550-650; 560-650	173	35	560-650; 560-650	149	27
Public	University of Hawaii - Manoa	470-570; 510-610	531	132	470-570; 510-610	515	127
Public	University of Houston - University Park	450-560; 470-590	741	209	450-560; 470-590	708	198
Public	University of Idaho	480-610; 490-610	474	117	480-610; 490-610	448	101
Public	University of Illinois - Chicago	20-25	657	174	21-26	466	109
Public	University of Illinois - Urbana-Champaign	550-670; 600-720	92	9	550-670; 600-720	89	10
Public	University of Iowa	520-650; 540-660	205	45	530-650; 540-670	188	36
Public	University of Kansas - Lawrence	21-27	403	91	22-28	313	65
Public	University of Kansas Medical Center	NA			NA		
Public	University of Kentucky	500-620; 510-630	350	78	500-610; 510-630	352	72
Public	University of Louisville	490-620; 490-620	403	91	18-25	826	245
Public	University of Maine - Orono	480-590; 490-610	514	129	490-590; 480-600	515	127
Public	University of Maryland - Baltimore	NA			NA		
Public	University of Maryland - Baltimore County	540-640; 570-670	159	30	530-630; 560-660	197	38
Public	University of Maryland - College Park	570-670; 600-700	92	9	560-660; 590-690	110	16
Public	University of Massachusetts - Amherst	500-620; 510-630	350	78	500-610; 510-620	374	79
Public	University of Massachusetts Medical Sch - Worcester	NA			NA		
Public	University of Medicine & Dentistry of New Jersey	NA			NA		
Private	University of Miami	590-650; 570-670	118	102	540-640; 550-650	197	160
Public	University of Michigan - Ann Arbor	570-670; 610-720	78	7	570-670; 610-710	78	7
Public	University of Minnesota - Twin Cities	540-660; 550-670	159	30	530-650; 550-680	165	31
Public	University of Mississippi - Oxford	20-26	568	141	20-26	545	134
Public	University of Missouri - Columbia	24-29	177	38	24-29	177	34
Public	University of Montana - Missoula	490-600; 460-570	622	161	450-600; 470-590	610	160
Public	University of Nebraska - Lincoln	500-640; 520-660	256	59	500-640; 520-650	276	59
Public	University of Nebraska Medical Center	NA			NA		
Public	University of Nevada - Las Vegas	430-560; 450-570	911	286	430-560; 450-570	878	275

2000 SAT Range (V, Q) or ACT Range	2000 National Rank	2000 Control Rank	1999 SAT Range (V, Q) or ACT Range	1999 National Rank	1999 Control Rank	1998 SAT Range (V, Q) or ACT Range	1998 National Rank	1998 Control Rank
570-710; 620-740	49	2	580-700; 620-730	52	3	600-710; 630-740	33	1
510-630; 550-660	210	43	510-630; 550-650	204	43	500-620; 540-660	222	45
495-600; 540-655	277	58	495-600; 540-655	267	57	480-590; 530-650	327	72
560-680; 610-720	72	7	570-680; 600-720	70	6	570-670; 600-710	74	8
440-570; 490-620	561	148	440-570; 480-620	589	152	450-580; 490-620	526	129
520-640; 550-650	195	37	520-640; 550-650	185	39	520-640; 550-650	183	38
NA			NA			NA		
530-630; 550-660	186	34	530-630; 550-660	182	37	520-620; 540-650	213	43
510-630; 520-630	277	58	520-640; 520-640	224	47	510-630; 510-620	303	61
520-610; 530-620	286	61	520-610; 530-620	283	60	510-600; 520-610	344	76
630-750; 650-740	21	21	650-750; 640-740	16	16	620-730; 630-730	26	26
460-590; 470-600	561	148	450-580; 460-610	612	162	450-580; 460-610	607	153
520-620; 530-640	258	54	520-620; 540-640	224	47	520-620; 530-640	238	50
NA			NA			NA		
NA			NA			NA		
510-610; 530-630	286	61	510-610; 520-620	317	69	500-610; 510-620	344	76
510-610; 520-640	286	226	510-620; 520-650	254	202	510-620; 520-640	267	214
520-620; 520-640	267	56	520-610; 520-630	283	60	NR		
540-650; 560-670	147	23	570-670; 600-690	84	10	560-670; 580-680	100	14
560-650; 560-650	147	23	550-640; 550-650	164	30	550-640; 550-640	171	34
470-570; 510-610	490	124	470-570; 520-620	460	111	480-580; 510-630	409	94
450-560; 470-590	683	195	450-560; 460-580	742	222	440-570; 460-590	684	186
480-610; 490-630	410	95	490-610; 490-620	405	95	490-610; 490-620	389	91
21-25	521	137	21-25	520	135	20-25	607	153
550-650; 590-700	108	15	550-650; 590-710	98	13	540-650; 570-700	120	19
520-640; 530-660	210	43	520-660; 540-660	172	34	520-640; 540-650	197	40
22-28	286	61	21-27	377	86	21-27	372	84
NA			NA			NA		
22-27	334	73	22-27	332	75	22-27	327	72
18-25	793	244	450-560; 440-570	796	241	450-560; 440-570	782	228
480-590; 480-600	506	131	480-590; 480-600	503	129	490-590; 490-600	476	115
NA			NA			NA		
530-630; 550-650	195	37	520-620; 540-650	216	45	510-630; 540-640	222	45
560-660; 590-690	101	12	560-660; 580-680	110	16	540-640; 560-670	144	25
500-620; 510-620	334	73	510-620; 520-620	302	65	500-610; 510-620	344	76
NA			NA			NA		
NA			NA			NA		
530-630; 540-650	210	168	520-630; 530-640	224	178	520-630; 520-640	238	189
570-670; 610-710	74	8	560-670; 600-710	77	8	560-670; 600-710	75	9
530-650; 550-675	161	28	540-660; 550-620	182	37	530-650; 510-640	213	43
20-27	450	111	20-27	460	111	21-26	444	103
24-29	162	29	24-29	153	27	24-29	155	29
450-600; 440-590	666	189	490-610; 480-600	460	111	480-580; 470-580	592	149
490-630; 520-650	277	58	500-630; 510-660	254	53	500-640; 510-640	267	54
NA			NA			NA		
430-560; 460-580	776	239	450-560; 450-580	756	226	430-550; 440-560	889	276



SAT Scores		2002	2002	2002	2001	2001	2001
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		SAT Range (V, Q) or ACT Range	National Rank	Control Rank	SAT Range (V, Q) or ACT Range	National Rank	Control Rank
Public	University of Nevada - Reno	470-580; 480-590	622	161	460-580; 470-590	625	167
Public	University of New Hampshire - Durham	500-590; 510-610	436	102	500-600; 510-610	404	89
Public	University of New Mexico - Albuquerque	510-630; 480-600	403	91	460-610; 460-590	586	152
Public	University of North Carolina - Chapel Hill	580-680; 600-690	87	8	570-680; 580-690	100	14
Public	University of North Dakota	470-570; 500-590	601	151	470-570; 500-590	568	144
Private	University of Notre Dame	620-720; 650-730	35	35	620-720; 640-730	34	34
Public	University of Oklahoma - Norman	23-28	256	59	22-27	352	72
Public	University of Oklahoma Health Sciences Center	NA			NA		
Public	University of Oregon	490-610; 490-610	458	110	500-620; 500-610	390	86
Private	University of Pennsylvania	650-740; 680-760	15	15	640-730; 670-760	19	19
Public	University of Pittsburgh - Pittsburgh	540-640; 560-650	191	41	530-630; 540-640	237	49
Public	University of Puerto Rico - Medical Sciences	NA			NA		
Public	University of Rhode Island	490-590; 500-610	474	117	490-600; 500-610	432	93
Private	University of Rochester	590-690; 620-720	65	61	600-700; 620-710	59	56
Public	University of South Carolina - Columbia	500-610; 510-620	377	86	490-600; 500-610	432	93
Public	University of South Florida	470-570; 480-580	657	174	470-570; 470-580	678	185
Private	University of Southern California	600-700; 640-720	53	51	600-700; 620-710	59	56
Public	University of Southern Mississippi	18-24	983	314	19-27	545	134
Public	University of Tennessee - Knoxville	500-600; 500-610	436	102	480-600; 480-610	502	123
Public	University of Texas - Austin	540-650; 570-680	144	23	530-650; 560-680	149	27
Public	University of Texas Health Science Center - Houston	NA			NA		
Public	University of Texas Health Science Ctr - San Antonio	NA			NA		
Public	University of Texas MD Anderson Cancer Center	NA			NA		
Public	University of Texas Medical Branch - Galveston	NA			NA		
Public	University of Texas SW Medical Center - Dallas	NA			NA		
Public	University of Utah	20-28	403	91	20-26	545	134
Public	University of Vermont	520-620; 520-620	318	72	520-610; 520-620	326	67
Public	University of Virginia	600-700; 620-720	60	3	600-700; 610-720	59	4
Public	University of Washington - Seattle	510-630; 550-660	229	52	500-620; 530-650	292	61
Public	University of Wisconsin - Madison	560-680; 590-710	92	9	560-680; 590-710	89	10
Public	University of Wyoming	460-580; 480-600	622	161	480-600; 490-610	466	109
Public	US Naval Postgraduate School	NA			NA		
Public	Utah State University	490-600; 480-610	488	122	460-590; 460-590	625	167
Private	Vanderbilt University	610-700; 640-720	51	49	600-690; 630-710	59	56
Public	Virginia Commonwealth University	470-590; 460-580	657	174	470-580; 450-570	708	198
Public	Virginia Polytechnic Institute and State University	530-630; 550-660	205	45	530-630; 550-660	206	40
Private	Wake Forest University	600-680; 620-710	69	64	610-680; 620-700	66	62
Public	Washington State University - Pullman	470-580; 480-590	622	161	450-570; 460-580	726	207
Private	Washington University in St. Louis	640-730; 670-750	20	20	640-730; 670-740	21	21
Public	Wayne State University	17-24	1095	362	17-24	1060	345
Public	West Virginia University	460-560; 470-580	741	209	460-560; 470-570	726	207
Private	Woods Hole Oceanographic Institution	NA			NA		
Private	Yale University	680-780; 690-780	5	5	680-770; 680-770	8	8
Private	Yeshiva University	590-690; 580-680	92	84	590-690; 570-670	100	87

2000 SAT Range (V, Q) or ACT Range	2000 National Rank	2000 Control Rank	1999 SAT Range (V, Q) or ACT Range	1999 National Rank	1999 Control Rank	1998 SAT Range (V, Q) or ACT Range	1998 National Rank	1998 Control Rank
470-580; 470-580	604	165	460-570; 470-580	656	180	470-570; 470-580	644	170
500-610; 510-620	355	79	510-600; 510-610	367	81	510-610; 520-620	317	67
480-610; 470-600	490	124	480-600; 470-590	520	135	480-610; 470-590	505	125
560-670; 570-670	118	19	570-680; 570-670	104	15	560-670; 570-670	116	17
490-580; 500-610	450	111	480-630; 510-630	332	75	480-600; 470-630	444	103
620-710; 650-720	34	34	620-710; 640-720	35	35	NR		
22-28	286	61	21-27	377	86	21-27	372	84
NA			NA			NA		
500-620; 500-610	370	83	500-620; 500-610	367	81	500-610; 490-600	409	94
650-750; 680-770	10	10	640-730; 670-760	13	13	640-730; 660-750	17	17
530-630; 530-640	231	49	520-620; 520-630	267	57	520-620; 510-620	303	61
NA			NA			NA		
490-509; 490-600	476	121	490-590; 500-600	460	111	480-590; 480-590	526	129
600-700; 630-710	49	48	600-700; 630-710	48	48	590-690; 620-710	56	52
500-610; 500-610	386	90	490-610; 490-610	421	99	480-610; 480-600	476	115
480-590; 490-600	490	124	480-590; 490-590	496	126	490-600; 500-610	371	83
590-690; 620-710	62	59	570-670; 590-700	84	75	560-660; 580-680	108	93
19-27	521	137	19-24	796	241	19-24	782	228
500-610; 500-620	370	83	490-610; 490-610	421	99	490-610; 490-610	409	94
530-640; 560-660	170	32	530-640; 560-660	164	30	530-640; 560-670	155	29
NA			NA			NA		
NA			NA			NA		
NA			NA			NA		
NA			NA			NA		
NA			NA			NA		
20-26	521	137	500-630; 500-630	317	69	500-630; 500-630	317	67
520-610; 520-620	306	68	510-610; 520-620	317	69	520-610; 520-620	303	61
590-700; 610-710	62	4	600-700; 610-710	58	4	600-700; 610-710	52	2
510-640; 540-630	236	50	510-630; 530-650	224	47	500-630; 530-650	238	50
550-660; 580-700	108	15	520-650; 550-670	164	30	520-650; 550-670	162	32
480-600; 490-620	434	106	21-26	460	111	20-26	526	129
NA			NA			NA		
470-590; 470-590	561	148	460-580; 470-600	589	152	480-610; 490-600	444	103
600-690; 620-710	58	55	600-690; 620-710	58	55	620-710; 610-710	43	42
470-580; 450-560	694	202	460-580; 440-560	756	226	450-580; 430-550	834	251
530-620; 550-650	210	43	520-620; 540-650	216	45	520-620; 540-640	222	45
600-680; 620-700	65	61	600-690; 610-700	64	59	600-690; 620-700	56	52
470-590; 470-590	561	148	470-590; 470-580	589	152	470-580; 470-580	607	153
630-710; 660-740	26	26	620-710; 650-730	29	29	610-700; 640-720	36	35
17-24	982	328	17-24	981	323	16-23	1107	378
460-560; 470-570	694	202	460-560; 460-560	756	226	460-570; 460-570	684	186
NA			NA			NA		
690-780; 690-770	6	6	690-780; 690-770	5	5	680-780; 680-760	6	6
590-690; 570-670	92	82	NR			NR		

<b>National Merit and Achievement Scholars</b>		2003 — National Merits	2003 — National Rank	2003 — Control Rank	2002 — National Merits	2002 — National Rank	2002 — Control Rank
Institutions with Over \$20 Million in Federal Research, Alphabetically							
Public	Arizona State University - Tempe	176	11	3	103	22	8
Public	Auburn University	28	83	37	29	84	37
Private	Baylor College of Medicine	NA			NA		
Private	Boston College	16	114	60	15	123	68
Private	Boston University	63	32	18	49	53	32
Private	Brandeis University	31	80	46	36	68	38
Private	Brown University	52	39	22	82	29	17
Private	California Institute of Technology	50	45	25	57	39	23
Private	Carnegie Mellon University	34	71	42	22	94	52
Private	Case Western Reserve University	53	37	20	50	50	29
Private	Charles R. Drew University of Medicine and Science	NA			NA		
Public	Clemson University	33	75	31	38	63	27
Public	Colorado State University	13	132	59	9	156	66
Private	Columbia University	58	36	19	63	32	19
Private	Cornell University	45	52	31	44	56	34
Private	Dartmouth College	52	39	22	54	41	24
Public	Desert Research Institute	NA			NA		
Private	Drexel University	1	287	177	1	288	172
Private	Duke University	123	20	13	123	16	11
Private	Emory University	49	46	26	60	34	20
Public	Florida A&M University	25	87	40	20	99	46
Public	Florida International University	3	224	92	1	288	117
Public	Florida State University	16	114	55	27	87	39
Public	George Mason University	0	409	152	0	396	151
Private	George Washington University	40	65	38	38	63	37
Private	Georgetown University	44	56	33	34	71	39
Public	Georgia Institute of Technology	97	24	9	116	18	7
Private	Harvard University	425	1	1	455	1	1
Private	Howard University	71	29	17	54	41	24
Public	Indiana University - Bloomington	13	132	59	8	164	71
Public	Indiana University-Purdue University - Indianapolis	0	409	152	0	396	151
Public	Iowa State University	75	28	12	99	25	10
Public	Jackson State University	0	409	152	1	288	117
Private	Johns Hopkins University	53	37	20	58	35	21
Public	Kansas State University	22	98	46	9	156	66
Private	Loma Linda University	NA			NA		
Public	Louisiana State University - Baton Rouge	39	68	29	44	56	23
Public	Louisiana State University Health Sciences Center	NA			NA		
Private	Loyola University Chicago	12	144	80	9	156	91
Private	Massachusetts Institute of Technology	174	12	9	153	13	9
Private	MCP Hahnemann University	NA			NA		
Public	Medical College of Georgia	NA			NA		
Private	Medical College of Wisconsin	NA			NA		
Public	Medical University of South Carolina	NA			NA		
Private	Meharry Medical College	NA			NA		
Public	Michigan State University	62	33	15	51	46	20

2001 — National Merits	2001 — National Rank	2001 — Control Rank	2000 — National Merits	2000 — National Rank	2000 — Control Rank	1999 — National Merits	1999 — National Rank	1999 — Control Rank
116	20	8	119	18	8	132	17	6
26	83	40	38	65	30	20	100	49
NA			NA			NA		
13	131	73	12	143	79	13	137	74
53	45	27	60	39	24	61	34	19
31	70	36	32	74	40	26	84	44
82	31	18	76	29	17	61	34	19
55	40	23	71	31	18	52	42	26
26	83	44	19	105	56	29	77	40
49	50	29	68	33	20	70	31	18
NA			NA			NA		
33	68	33	29	81	40	35	66	31
9	157	69	14	129	58	14	132	62
67	35	20	54	44	27	48	50	28
69	34	19	53	47	28	48	50	28
45	54	30	71	31	18	58	37	22
NA			NA			NA		
1	286	177	7	178	104	2	256	156
119	19	12	107	23	12	96	27	14
55	40	23	61	37	23	57	39	24
52	47	20	62	35	14	44	53	23
1	286	110	0	412	163	0	409	154
98	26	12	54	44	18	117	21	9
0	403	155	1	294	116	1	287	110
25	91	49	16	118	62	20	100	52
26	83	44	39	64	35	28	82	42
124	18	7	115	21	11	117	21	9
415	1	1	444	1	1	457	1	1
28	77	41	46	54	32	41	59	34
17	110	51	10	157	68	26	84	41
0	403	155	0	412	163	0	409	154
125	17	6	125	16	7	125	19	7
0	403	155	0	412	163	0	409	154
90	28	16	65	34	21	80	30	17
13	131	59	14	129	58	22	94	46
NA			NA			NA		
41	57	26	34	71	33	39	62	28
NA			NA			NA		
8	165	91	0	412	250	2	256	156
185	7	4	173	7	4	155	9	5
NA			NA			NA		
NA			NA			NA		
NA			NA			NA		
NA			NA			NA		
NA			NA			NA		
66	38	17	61	37	15	52	42	17

<b>National Merit and Achievement Scholars</b>		2003 — National Merits	2003 — National Rank	2003 — Control Rank	2002 — National Merits	2002 — National Rank	2002 — Control Rank
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)							
Public	Mississippi State University	25	87	40	37	67	30
Public	Montana State University - Bozeman	5	193	79	4	215	84
Private	Morehouse School of Medicine	NA			NA		
Private	Mount Sinai School of Medicine	NA			NA		
Public	New Jersey Institute of Technology	0	409	152	0	396	151
Public	New Mexico State University - Las Cruces	0	409	152	0	396	151
Private	New York University	155	15	11	114	19	12
Public	North Carolina State University	33	75	31	29	84	37
Public	North Dakota State University	4	205	84	7	174	74
Private	Northeastern University	3	224	133	0	396	246
Private	Northwestern University	100	23	15	109	21	14
Public	Ohio State University - Columbus	103	22	8	119	17	6
Public	Oklahoma State University - Stillwater	20	102	49	13	131	58
Public	Oregon Health & Science University	NA			NA		
Public	Oregon State University	11	149	65	7	174	74
Public	Pennsylvania State University - Hershey Medical Ctr	NA			NA		
Public	Pennsylvania State University - University Park	20	102	49	32	75	34
Private	Princeton University	190	7	5	179	8	6
Public	Purdue University - West Lafayette	94	25	10	90	27	12
Private	Rensselaer Polytechnic Institute	16	114	60	20	99	54
Private	Rice University	182	9	7	173	10	8
Private	Rockefeller University	NA			NA		
Private	Rush University	NA			NA		
Public	Rutgers the State University of NJ - New Brunswick	16	114	55	9	156	66
Private	Saint Louis University - St. Louis	17	110	58	10	145	82
Public	San Diego State University	0	409	152	0	396	151
Private	Stanford University	263	3	2	268	3	2
Public	State Univ. of New York Health Science Ctr - Brooklyn	NA			NA		
Public	Stony Brook University	2	247	97	3	233	93
Private	Syracuse University	1	287	177	2	254	151
Public	Temple University	0	409	152	1	288	117
Public	Texas A&M University	140	18	6	160	12	4
Public	Texas A&M University System Health Sciences Center	NA			NA		
Public	Texas Tech University	17	110	53	16	116	54
Private	Thomas Jefferson University	NA			NA		
Private	Tufts University	41	61	35	58	35	21
Private	Tulane University	49	46	26	53	44	26
Public	University at Albany	0	409	152	1	288	117
Public	University at Buffalo	0	409	152	1	288	117
Public	University of Alabama - Birmingham	7	174	73	9	156	66
Public	University of Alabama - Huntsville	2	247	97	1	288	117
Public	University of Alabama - Tuscaloosa	45	52	22	52	45	19
Public	University of Alaska - Fairbanks	2	247	97	2	254	104
Public	University of Arizona	59	34	16	58	35	15
Public	University of Arkansas - Fayetteville	41	61	27	39	62	26
Public	University of Arkansas for Medical Sciences	NA			NA		

2001 — National Merits	2001 — National Rank	2001 — Control Rank	2000 — National Merits	2000 — National Rank	2000 — Control Rank	1999 — National Merits	1999 — National Rank	1999 — Control Rank
31	70	35	35	68	31	36	64	30
3	234	95	4	222	88	3	238	96
NA			NA			NA		
NA			NA			NA		
0	403	155	0	412	163	0	409	154
0	403	155	0	412	163	2	256	101
167	12	8	149	13	9	142	13	8
37	64	30	21	99	48	16	119	55
6	183	78	4	222	88	6	185	77
2	248	149	2	261	156	4	216	128
139	16	11	92	25	14	136	16	11
115	22	10	116	19	9	121	20	8
19	106	50	18	112	54	23	90	43
NA			NA			NA		
11	145	62	6	186	76	9	157	69
NA			NA			NA		
25	91	43	26	86	42	29	77	38
174	9	5	122	17	10	138	14	9
76	32	14	54	44	18	54	40	16
16	117	64	17	114	59	15	124	67
170	11	7	168	9	6	189	7	4
NA			NA			NA		
NA			NA			NA		
26	83	40	21	99	48	21	97	48
20	102	55	14	129	72	19	106	56
0	403	155	1	294	116	0	409	154
315	2	2	244	4	2	273	2	2
NA			NA			NA		
4	208	87	1	294	116	0	409	154
2	248	149	3	237	143	0	409	256
2	248	100	2	261	106	0	409	154
178	8	4	146	14	5	182	8	4
NA			NA			NA		
22	99	46	19	105	50	13	137	64
NA			NA			NA		
40	60	33	36	67	37	46	52	30
55	40	23	43	59	33	53	41	25
1	286	110	0	412	163	0	409	154
1	286	110	2	261	106	1	287	110
10	151	67	3	237	95	9	157	69
1	286	110	0	412	163	0	409	154
38	63	29	74	30	13	68	32	14
6	183	78	3	237	95	4	216	89
67	35	16	42	60	27	49	48	21
23	97	45	33	73	34	29	77	38
NA			NA			NA		

<b>National Merit and Achievement Scholars</b>		2003 — National Merits	2003 — National Rank	2003 — Control Rank	2002 — National Merits	2002 — National Rank	2002 — Control Rank
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)							
Public	University of California - Berkeley	69	30	13	67	31	13
Public	University of California - Davis	15	124	58	21	95	43
Public	University of California - Irvine	26	85	39	17	111	51
Public	University of California - Los Angeles	127	19	7	94	26	11
Public	University of California - Riverside	0	409	152	1	288	117
Public	University of California - San Diego	59	34	16	51	46	20
Public	University of California - San Francisco	NA			NA		
Public	University of California - Santa Barbara	13	132	59	13	131	58
Public	University of California - Santa Cruz	4	205	84	3	233	93
Public	University of Central Florida	34	71	30	25	89	40
Private	University of Chicago	191	6	4	197	6	4
Public	University of Cincinnati - Cincinnati	10	157	68	16	116	54
Public	University of Colorado - Boulder	3	224	92	3	233	93
Public	University of Colorado Health Sciences Center	NA			NA		
Public	University of Connecticut - Health Center	NA			NA		
Public	University of Connecticut - Storrs	1	287	111	3	233	93
Private	University of Dayton	16	114	60	16	116	63
Public	University of Delaware	8	166	70	12	135	60
Public	University of Florida	284	2	1	237	4	2
Public	University of Georgia	86	26	11	56	40	17
Public	University of Hawaii - Manoa	0	409	152	0	396	151
Public	University of Houston - University Park	28	83	37	21	95	43
Public	University of Idaho	11	149	65	8	164	71
Public	University of Illinois - Chicago	6	185	75	2	254	104
Public	University of Illinois - Urbana-Champaign	43	59	25	32	75	34
Public	University of Iowa	23	93	43	47	54	22
Public	University of Kansas - Lawrence	51	44	20	100	24	9
Public	University of Kansas Medical Center	NA			NA		
Public	University of Kentucky	45	52	22	54	41	18
Public	University of Louisville	13	132	59	11	140	62
Public	University of Maine - Orono	3	224	92	4	215	84
Public	University of Maryland - Baltimore	NA			NA		
Public	University of Maryland - Baltimore County	6	185	75	7	174	74
Public	University of Maryland - College Park	52	39	18	58	35	15
Public	University of Massachusetts - Amherst	2	247	97	1	288	117
Public	University of Massachusetts Medical Sch - Worcester	NA			NA		
Public	University of Medicine & Dentistry of New Jersey	NA			NA		
Private	University of Miami	34	71	42	34	71	39
Public	University of Michigan - Ann Arbor	66	31	14	61	33	14
Public	University of Minnesota - Twin Cities	40	65	28	38	63	27
Public	University of Mississippi - Oxford	33	75	31	23	90	41
Public	University of Missouri - Columbia	18	109	52	21	95	43
Public	University of Montana - Missoula	4	205	84	7	174	74
Public	University of Nebraska - Lincoln	52	39	18	42	59	25
Public	University of Nebraska Medical Center	NA			NA		
Public	University of Nevada - Las Vegas	0	409	152	1	288	117

2001 — National Merits	2001 — National Rank	2001 — Control Rank	2000 — National Merits	2000 — National Rank	2000 — Control Rank	1999 — National Merits	1999 — National Rank	1999 — Control Rank
233	4	2	249	3	2	235	4	2
20	102	48	23	95	47	23	90	43
17	110	51	2	261	106	15	124	58
86	30	13	87	26	12	102	25	12
0	403	155	1	294	116	2	256	101
52	47	20	53	47	20	51	46	19
NA			NA			NA		
11	145	62	13	137	61	5	196	82
4	208	87	8	166	72	3	238	96
25	91	43	32	74	35	19	106	51
174	9	5	160	11	8	143	11	6
9	157	69	6	186	76	9	157	69
6	183	78	11	147	65	4	216	89
NA			NA			NA		
NA			NA			NA		
2	248	100	0	412	163	5	196	82
17	110	60	15	122	66	12	144	78
16	117	54	14	129	58	13	137	64
197	6	3	194	6	3	208	5	3
53	45	19	51	51	22	52	42	17
0	403	155	1	294	116	0	409	154
15	124	58	24	91	44	17	112	53
8	165	75	13	137	61	5	196	82
4	208	87	6	186	76	3	238	96
28	77	37	42	60	27	32	68	32
36	66	32	32	74	35	30	73	37
106	25	11	116	19	9	101	26	13
NA			NA			NA		
49	50	22	60	39	16	65	33	15
9	157	69	15	122	57	14	132	62
0	403	155	0	412	163	0	409	154
NA			NA			NA		
9	157	69	1	294	116	4	216	89
47	53	24	46	54	23	49	48	21
0	403	155	0	412	163	1	287	110
NA			NA			NA		
NA			NA			NA		
27	81	43	20	102	53	23	90	48
72	33	15	55	43	17	51	46	19
54	44	18	40	63	29	43	55	24
27	81	39	30	79	38	31	71	35
20	102	48	30	79	38	23	90	43
6	183	78	11	147	65	9	157	69
39	61	28	26	86	42	29	77	38
NA			NA			NA		
0	403	155	1	294	116	0	409	154



<b>National Merit and Achievement Scholars</b>		2003 — National Merits	2003 — National Rank	2003 — Control Rank	2002 — National Merits	2002 — National Rank	2002 — Control Rank
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)							
Public	University of Nevada - Reno	1	287	111	0	396	151
Public	University of New Hampshire - Durham	1	287	111	0	396	151
Public	University of New Mexico - Albuquerque	4	205	84	3	233	93
Public	University of North Carolina - Chapel Hill	151	16	5	149	14	5
Public	University of North Dakota	5	193	79	6	190	80
Private	University of Notre Dame	47	49	29	51	46	27
Public	University of Oklahoma - Norman	174	12	4	168	11	3
Public	University of Oklahoma Health Sciences Center	NA			NA		
Public	University of Oregon	11	149	65	12	135	60
Private	University of Pennsylvania	121	21	14	101	23	15
Public	University of Pittsburgh - Pittsburgh	13	132	59	7	174	74
Public	University of Puerto Rico - Medical Sciences	NA			NA		
Public	University of Rhode Island	0	409	152	0	396	151
Private	University of Rochester	23	93	51	31	79	43
Public	University of South Carolina - Columbia	47	49	21	34	71	33
Public	University of South Florida	23	93	43	17	111	51
Private	University of Southern California	177	10	8	185	7	5
Public	University of Southern Mississippi	4	205	84	9	156	66
Public	University of Tennessee - Knoxville	25	87	40	20	99	46
Public	University of Texas - Austin	263	3	2	271	2	1
Public	University of Texas Health Science Center - Houston	NA			NA		
Public	University of Texas Health Science Ctr - San Antonio	NA			NA		
Public	University of Texas MD Anderson Cancer Center	NA			NA		
Public	University of Texas Medical Branch - Galveston	NA			NA		
Public	University of Texas SW Medical Center - Dallas	NA			NA		
Public	University of Utah	23	93	43	32	75	34
Public	University of Vermont	2	247	97	1	288	117
Public	University of Virginia	43	59	25	44	56	23
Public	University of Washington - Seattle	44	56	24	38	63	27
Public	University of Wisconsin - Madison	29	82	36	36	68	31
Public	University of Wyoming	4	205	84	8	164	71
Public	US Naval Postgraduate School	NA			NA		
Public	Utah State University	13	132	59	20	99	46
Private	Vanderbilt University	159	14	10	140	15	10
Public	Virginia Commonwealth University	1	287	111	3	233	93
Public	Virginia Polytechnic Institute and State University	22	98	46	23	90	41
Private	Wake Forest University	15	124	67	15	123	68
Public	Washington State University - Pullman	6	185	75	2	254	104
Private	Washington University in St. Louis	189	8	6	176	9	7
Public	Wayne State University	0	409	152	1	288	117
Public	West Virginia University	16	114	55	14	128	57
Private	Woods Hole Oceanographic Institution	NA			NA		
Private	Yale University	254	5	3	216	5	3
Private	Yeshiva University	2	247	151	2	254	151

2001 — National Merits	2001 — National Rank	2001 — Control Rank	2000 — National Merits	2000 — National Rank	2000 — Control Rank	1999 — National Merits	1999 — National Rank	1999 — Control Rank
0	403	155	1	294	116	1	287	110
1	286	110	0	412	163	2	256	101
1	286	110	1	294	116	2	256	101
160	14	5	151	12	4	105	24	11
3	234	95	9	161	70	8	168	74
44	55	31	47	52	30	35	66	36
116	20	8	145	15	6	148	10	5
NA			NA			NA		
10	151	67	13	137	61	17	112	53
98	26	15	86	27	15	83	29	16
13	131	59	9	161	70	11	151	68
NA			NA			NA		
1	286	110	0	412	163	1	287	110
35	67	35	21	99	52	22	94	49
42	56	25	44	56	24	40	60	26
16	117	54	19	105	50	16	119	55
155	15	10	170	8	5	137	15	10
4	208	87	7	178	75	6	185	77
37	64	30	35	68	31	31	71	35
236	3	1	250	2	1	249	3	1
NA			NA			NA		
NA			NA			NA		
NA			NA			NA		
NA			NA			NA		
NA			NA			NA		
33	68	33	29	81	40	32	68	32
0	403	155	0	412	163	0	409	154
49	50	22	53	47	20	40	60	26
41	57	26	44	56	24	43	55	24
26	83	40	44	56	24	32	68	32
11	145	62	6	186	76	5	196	82
NA			NA			NA		
9	157	69	19	105	50	22	94	46
115	22	13	107	23	12	106	23	13
2	248	100	1	294	116	0	409	154
30	74	36	24	91	44	20	100	49
20	102	55	25	90	47	24	87	46
1	286	110	2	261	106	4	216	89
165	13	9	164	10	7	143	11	6
0	403	155	1	294	116	0	409	154
11	145	62	11	147	65	9	157	69
NA			NA			NA		
200	5	3	220	5	3	201	6	3
4	208	122	2	261	156	0	409	256

Change: Research		Total Research in Constant 1983 Dollars					
Institutions with Over \$20 Million in Federal Research, Alphabetically		2002 — Total Research x \$1000	1993 — Total Research x \$1000	Net Change in Constant Dollars	Percent Change in Constant Dollars	Net Change in National Rank	Net Change in Control Rank
Public	Arizona State University - Tempe	57,215	41,888	15,327	36.6%	4	1
Public	Auburn University	50,591	43,160	7,431	17.2%	-9	-9
Private	Baylor College of Medicine	191,586	109,087	82,499	75.6%	11	4
Private	Boston College	14,769	6,796	7,973	117.3%	40	8
Private	Boston University	89,584	57,730	31,854	55.2%	10	3
Private	Brandeis University	21,916	22,934	-1,017	-4.4%	-18	-1
Private	Brown University	50,920	36,194	14,726	40.7%	8	4
Private	California Institute of Technology	102,324	73,108	29,216	40.0%	1	2
Private	Carnegie Mellon University	87,528	74,895	12,633	16.9%	-14	-3
Private	Case Western Reserve University	101,876	78,967	22,910	29.0%	-7	-3
Private	Charles R. Drew University of Medicine and Science	22,715	4,339	18,376	423.5%	102	34
Public	Clemson University	62,714	49,758	12,956	26.0%	-9	-8
Public	Colorado State University	83,181	73,073	10,108	13.8%	-16	-13
Private	Columbia University	188,553	129,643	58,910	45.4%	2	-1
Private	Cornell University	230,747	196,924	33,823	17.2%	-1	-1
Private	Dartmouth College	58,993	37,947	21,046	55.5%	11	4
Public	Desert Research Institute	13,704	13,418	286	2.1%	-20	-15
Private	Drexel University	20,681	12,865	7,816	60.8%	10	3
Private	Duke University	205,357	128,202	77,156	60.2%	9	3
Private	Emory University	126,153	76,075	50,078	65.8%	10	4
Public	Florida A&M University	14,487	14,425	62	0.4%	-19	-14
Public	Florida International University	22,164	7,247	14,917	205.8%	64	46
Public	Florida State University	62,487	39,853	22,634	56.8%	14	10
Public	George Mason University	18,069	10,025	8,044	80.2%	20	14
Private	George Washington University	40,133	26,077	14,055	53.9%	12	3
Private	Georgetown University	44,859	46,728	-1,869	-4.0%	-23	-6
Public	Georgia Institute of Technology	158,295	111,380	46,915	42.1%	0	1
Private	Harvard University	186,676	162,889	23,787	14.6%	-9	-5
Private	Howard University	16,459	11,670	4,789	41.0%	4	1
Public	Indiana University - Bloomington	55,641	32,394	23,247	71.8%	20	14
Public	Indiana University-Purdue University - Indianapolis	83,461	48,591	34,871	71.8%	12	9
Public	Iowa State University	87,748	94,019	-6,272	-6.7%	-24	-17
Public	Jackson State University	11,835	2,768	9,066	327.5%	79	51
Private	Johns Hopkins University	530,323	472,135	58,189	12.3%	0	0
Public	Kansas State University	49,675	39,621	10,054	25.4%	-4	-4
Private	Loma Linda University	11,161	5,719	5,442	95.2%	28	10
Public	Louisiana State University - Baton Rouge	92,087	70,408	21,679	30.8%	-1	-2
Public	Louisiana State University Health Sciences Center	29,805	20,117	9,688	48.2%	11	6
Private	Loyola University Chicago	17,491	18,513	-1,022	-5.5%	-17	-3
Private	Massachusetts Institute of Technology	211,849	239,016	-27,167	-11.4%	-11	-3
Private	MCP Hahnemann University	17,648	27,075	-9,427	-34.8%	-42	-9
Public	Medical College of Georgia	24,048	15,791	8,257	52.3%	11	4
Private	Medical College of Wisconsin	44,975	30,835	14,140	45.9%	8	1
Public	Medical University of South Carolina	61,407	26,943	34,465	127.9%	40	28
Private	Meharry Medical College	9,538	5,879	3,659	62.2%	14	3
Public	Michigan State University	134,780	95,540	39,240	41.1%	2	0

Federal Research in Constant 1983 Dollars						Non-Federal Research in Constant 1983 Dollars					
2002 — Federal Research x \$1000	1993 — Federal Research x \$1000	Net Change in Constant Dollars	Percent Change in Constant Dollars	Net Change in National Rank	Net Change in Control Rank	2002 — Non-Federal Research x \$1000	1993 — Non-Federal Research x \$1000	Net Change in Constant Dollars	Percent Change in Constant Dollars	Net Change in National Rank	Net Change in Control Rank
29,956	19,019	10,936	57.5%	5	4	27,259	22,869	4,391	19.2%	-3	-3
19,735	11,044	8,692	78.7%	19	13	30,856	32,117	-1,260	-3.9%	-19	-15
120,682	55,492	65,190	117.5%	18	6	70,904	53,596	17,309	32.3%	1	0
10,617	5,162	5,455	105.7%	26	8	4,152	1,634	2,518	154.1%	47	14
79,736	45,340	34,396	75.9%	12	5	9,848	12,391	-2,543	-20.5%	-27	-6
13,491	13,822	-331	-2.4%	-26	-5	8,426	9,112	-686	-7.5%	-12	-2
31,727	24,604	7,123	28.9%	-8	-2	19,193	11,590	7,603	65.6%	22	5
92,994	65,792	27,202	41.3%	2	0	9,330	7,315	2,015	27.5%	7	6
64,169	49,819	14,349	28.8%	-6	-1	23,359	25,076	-1,716	-6.8%	-19	-4
84,596	58,179	26,417	45.4%	2	-1	17,280	20,787	-3,507	-16.9%	-35	-8
18,259	4,106	14,154	344.7%	82	23	4,456	234	4,222	1806.7%	192	71
21,941	14,755	7,185	48.7%	6	4	40,774	35,003	5,771	16.5%	-11	-9
52,394	43,529	8,865	20.4%	-7	-7	30,787	29,545	1,243	4.2%	-16	-12
165,924	115,701	50,223	43.4%	3	1	22,629	13,942	8,688	62.3%	16	4
125,846	123,639	2,207	1.8%	-8	-5	104,901	73,286	31,616	43.1%	0	0
40,582	27,924	12,659	45.3%	5	2	18,411	10,024	8,387	83.7%	31	9
10,586	9,825	761	7.7%	-17	-12	3,119	3,593	-474	-13.2%	-29	-23
14,061	7,179	6,882	95.9%	15	6	6,620	5,686	933	16.4%	1	1
121,557	86,368	35,189	40.7%	3	-1	83,800	41,834	41,966	100.3%	18	5
86,547	50,933	35,615	69.9%	12	5	39,606	25,143	14,463	57.5%	11	2
10,042	12,004	-1,961	-16.3%	-41	-30	4,444	2,421	2,023	83.6%	31	22
14,910	5,883	9,027	153.4%	38	26	7,254	1,364	5,890	431.8%	94	63
32,769	24,502	8,267	33.7%	-5	-4	29,718	15,351	14,367	93.6%	28	22
14,832	6,648	8,184	123.1%	24	15	3,237	3,377	-140	-4.1%	-20	-16
27,315	17,541	9,774	55.7%	9	1	12,818	8,536	4,281	50.2%	15	8
40,504	30,692	9,813	32.0%	-2	-1	4,355	16,036	-11,682	-72.8%	-96	-27
77,058	62,316	14,742	23.7%	-11	-4	81,238	49,065	32,173	65.6%	6	4
156,556	115,241	41,315	35.9%	2	1	30,120	47,648	-17,528	-36.8%	-44	-12
15,790	9,385	6,405	68.2%	20	7	669	2,285	-1,616	-70.7%	-112	-36
24,699	19,601	5,097	26.0%	-4	-4	30,942	12,793	18,150	141.9%	49	37
37,048	29,402	7,646	26.0%	-4	-4	46,414	19,189	27,225	141.9%	39	29
33,217	32,105	1,112	3.5%	-25	-18	54,531	61,914	-7,383	-11.9%	-18	-14
10,102	2,426	7,676	316.4%	76	55	1,732	342	1,390	406.5%	82	51
475,569	426,592	48,978	11.5%	0	0	54,754	45,543	9,211	20.2%	-3	0
20,459	12,401	8,058	65.0%	12	8	29,216	27,219	1,997	7.3%	-16	-11
9,355	3,143	6,212	197.6%	56	16	1,806	2,576	-770	-29.9%	-48	-17
24,550	15,989	8,561	53.5%	8	6	67,537	54,419	13,118	24.1%	-4	-3
14,301	11,325	2,976	26.3%	-8	-7	15,503	8,792	6,712	76.3%	23	15
12,873	11,545	1,328	11.5%	-17	-4	4,618	6,968	-2,350	-33.7%	-33	-5
153,673	169,353	-15,680	-9.3%	-8	-4	58,176	69,662	-11,487	-16.5%	-17	-2
12,381	16,886	-4,506	-26.7%	-45	-10	5,268	10,189	-4,921	-48.3%	-54	-14
10,845	4,885	5,960	122.0%	30	20	13,203	10,907	2,297	21.1%	-2	-3
35,460	19,798	15,662	79.1%	12	5	9,516	11,037	-1,522	-13.8%	-19	-4
35,256	13,598	21,658	159.3%	38	28	26,151	13,345	12,806	96.0%	36	27
9,513	5,747	3,766	65.5%	4	4	26	132	-107	-80.7%	-130	-52
57,019	44,517	12,502	28.1%	-2	-4	77,761	51,023	26,738	52.4%	4	2

Change: Research		Total Research in Constant 1983 Dollars					
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		2002 Total Research x \$1000	1993 Total Research x \$1000	Net Change in Constant Dollars	Percent Change in Constant Dollars	Net Change in National Rank	Net Change in Control Rank
Public	Mississippi State University	73,789	44,521	29,268	65.7%	12	8
Public	Montana State University - Bozeman	36,376	20,843	15,533	74.5%	18	14
Private	Morehouse School of Medicine	11,142	4,717	6,425	136.2%	37	15
Private	Mount Sinai School of Medicine	86,199	47,711	38,488	80.7%	19	5
Public	New Jersey Institute of Technology	28,568	15,061	13,508	89.7%	20	12
Public	New Mexico State University - Las Cruces	47,942	54,447	-6,506	-11.9%	-35	-29
Private	New York University	103,707	82,186	21,521	26.2%	-7	-2
Public	North Carolina State University	134,887	98,557	36,331	36.9%	2	0
Public	North Dakota State University	33,536	22,147	11,389	51.4%	10	7
Private	Northeastern University	17,925	11,727	6,198	52.9%	11	3
Private	Northwestern University	131,230	102,784	28,446	27.7%	-5	0
Public	Ohio State University - Columbus	201,103	140,251	60,853	43.4%	5	4
Public	Oklahoma State University - Stillwater	44,179	46,180	-2,002	-4.3%	-24	-18
Public	Oregon Health & Science University	73,825	36,009	37,815	105.0%	32	24
Public	Oregon State University	75,223	72,199	3,024	4.2%	-23	-17
Public	Pennsylvania State University - Hershey Medical Ctr	22,917	21,481	1,436	6.7%	-6	-9
Public	Pennsylvania State University - University Park	206,256	157,527	48,729	30.9%	2	2
Private	Princeton University	76,466	60,519	15,947	26.4%	-9	-3
Public	Purdue University - West Lafayette	132,915	94,382	38,533	40.8%	1	-1
Private	Rensselaer Polytechnic Institute	21,374	27,949	-6,575	-23.5%	-31	-6
Private	Rice University	22,403	19,254	3,149	16.4%	1	4
Private	Rockefeller University	77,487	47,115	30,372	64.5%	13	4
Private	Rush University	36,926	21,557	15,369	71.3%	16	4
Public	Rutgers the State University of NJ - New Brunswick	107,140	90,760	16,380	18.0%	-9	-8
Private	Saint Louis University - St. Louis	16,485	13,189	3,296	25.0%	-6	-2
Public	San Diego State University	29,907	20,578	9,329	45.3%	10	6
Private	Stanford University	250,444	194,218	56,226	29.0%	3	2
Public	State Univ. of New York Health Science Ctr - Brooklyn	16,270	17,508	-1,238	-7.1%	-23	-18
Public	Stony Brook University	85,599	68,281	17,319	25.4%	-7	-5
Private	Syracuse University	21,334	20,546	788	3.8%	-12	-2
Public	Temple University	29,697	33,999	-4,303	-12.7%	-22	-18
Public	Texas A&M University	203,100	204,360	-1,260	-0.6%	-11	-7
Public	Texas A&M University System Health Sciences Center	23,086	NA				
Public	Texas Tech University	29,417	19,071	10,345	54.2%	15	8
Private	Thomas Jefferson University	47,893	32,365	15,528	48.0%	7	2
Private	Tufts University	50,831	43,393	7,438	17.1%	-9	0
Private	Tulane University	47,904	47,899	5	0.0%	-26	-5
Public	University at Albany	31,391	23,977	7,414	30.9%	3	1
Public	University at Buffalo	111,501	81,191	30,310	37.3%	-1	-1
Public	University of Alabama - Birmingham	118,625	84,729	33,896	40.0%	-2	-1
Public	University of Alabama - Huntsville	22,489	21,629	860	4.0%	-11	-12
Public	University of Alabama - Tuscaloosa	17,269	14,660	2,609	17.8%	-8	-6
Public	University of Alaska - Fairbanks	54,081	42,302	11,780	27.8%	0	-3
Public	University of Arizona	181,774	149,160	32,614	21.9%	-7	-2
Public	University of Arkansas - Fayetteville	38,633	36,937	1,695	4.6%	-14	-9
Public	University of Arkansas for Medical Sciences	20,951	9,934	11,017	110.9%	29	21

Federal Research in Constant 1983 Dollars						Non-Federal Research in Constant 1983 Dollars					
2002 — Federal Research x \$1000	1993 — Federal Research x \$1000	Net Change in Constant Dollars	Percent Change in Constant Dollars	Net Change in National Rank	Net Change in Control Rank	2002 — Non-Federal Research x \$1000	1993 — Non-Federal Research x \$1000	Net Change in Constant Dollars	Percent Change in Constant Dollars	Net Change in National Rank	Net Change in Control Rank
36,055	18,756	17,299	92.2%	19	13	37,734	25,765	11,969	46.5%	6	5
18,598	8,927	9,671	108.3%	33	23	17,778	11,916	5,863	49.2%	11	8
10,195	4,178	6,017	144.0%	35	10	947	539	409	75.8%	-3	2
58,593	31,538	27,055	85.8%	16	4	27,607	16,173	11,434	70.7%	22	4
11,926	5,241	6,685	127.6%	31	22	16,643	9,820	6,823	69.5%	23	15
32,703	41,051	-8,348	-20.3%	-39	-31	15,239	13,396	1,842	13.8%	-12	-9
69,763	59,298	10,465	17.6%	-13	-6	33,944	22,888	11,056	48.3%	11	4
34,977	39,562	-4,585	-11.6%	-33	-26	99,910	58,994	40,916	69.4%	7	6
9,960	5,545	4,415	79.6%	9	4	23,576	16,602	6,974	42.0%	11	8
11,300	9,714	1,585	16.3%	-11	-3	6,625	2,013	4,613	229.2%	65	22
83,070	49,199	33,871	68.8%	10	4	48,160	53,585	-5,425	-10.1%	-21	-6
82,733	69,073	13,660	19.8%	-9	-3	118,370	71,177	47,193	66.3%	4	3
14,465	13,198	1,267	9.6%	-15	-12	29,714	32,982	-3,268	-9.9%	-26	-19
60,570	24,644	35,927	145.8%	36	27	13,254	11,366	1,889	16.6%	-4	-3
42,642	38,706	3,936	10.2%	-11	-9	32,581	33,493	-912	-2.7%	-17	-12
13,242	12,171	1,071	8.8%	-20	-15	9,676	9,310	365	3.9%	-4	-7
119,175	89,254	29,921	33.5%	-1	2	87,081	68,274	18,807	27.5%	-1	-2
45,451	34,432	11,020	32.0%	-4	0	31,015	26,087	4,928	18.9%	-6	-2
49,988	46,202	3,786	8.2%	-15	-13	82,928	48,180	34,748	72.1%	9	7
12,321	14,000	-1,679	-12.0%	-36	-10	9,053	13,949	-4,896	-35.1%	-49	-14
18,483	13,943	4,540	32.6%	-3	1	3,921	5,312	-1,391	-26.2%	-30	-9
31,422	23,340	8,082	34.6%	-3	1	46,065	23,775	22,290	93.8%	21	6
20,816	8,098	12,718	157.1%	43	13	16,110	13,459	2,651	19.7%	-10	-3
37,753	31,095	6,658	21.4%	-9	-7	69,386	59,665	9,722	16.3%	-7	-6
14,518	11,769	2,750	23.4%	-9	-2	1,967	1,421	546	38.5%	-5	-1
11,731	10,679	1,053	9.9%	-19	-13	18,176	9,899	8,277	83.6%	32	22
198,421	161,098	37,323	23.2%	0	1	52,023	33,120	18,904	57.1%	8	2
11,858	11,346	512	4.5%	-23	-17	4,412	6,161	-1,749	-28.4%	-29	-23
50,288	43,079	7,209	16.7%	-8	-8	35,312	25,202	10,110	40.1%	5	5
15,211	10,651	4,560	42.8%	5	1	6,124	9,895	-3,772	-38.1%	-36	-8
20,733	16,813	3,920	23.3%	-4	-5	8,964	17,187	-8,223	-47.8%	-62	-45
76,038	77,600	-1,562	-2.0%	-17	-9	127,062	126,760	302	0.2%	-3	-3
10,426	NA					12,660	NA				
9,483	5,176	4,307	83.2%	14	9	19,933	13,895	6,038	43.5%	11	7
36,844	24,251	12,593	51.9%	10	4	11,049	8,115	2,935	36.2%	11	8
34,062	29,528	4,535	15.4%	-17	-4	16,769	13,866	2,904	20.9%	-9	-2
30,150	23,394	6,756	28.9%	-7	-1	17,755	24,505	-6,750	-27.5%	-42	-10
18,835	17,301	1,535	8.9%	-11	-11	12,556	6,676	5,880	88.1%	26	14
59,924	51,122	8,803	17.2%	-10	-7	51,576	30,069	21,507	71.5%	14	10
100,564	60,013	40,552	67.6%	8	6	18,061	24,716	-6,656	-26.9%	-39	-29
16,586	15,822	764	4.8%	-16	-14	5,904	5,807	96	1.7%	-6	-5
12,511	5,436	7,076	130.2%	30	20	4,758	9,225	-4,467	-48.4%	-45	-35
30,775	26,355	4,420	16.8%	-15	-11	23,306	15,947	7,360	46.2%	12	9
98,495	71,831	26,664	37.1%	0	0	83,279	77,329	5,949	7.7%	-11	-9
12,831	9,118	3,713	40.7%	2	1	25,801	27,819	-2,018	-7.3%	-21	-15
12,786	6,944	5,843	84.1%	8	4	8,165	2,990	5,174	173.0%	55	39

Change: Research		Total Research in Constant 1983 Dollars					
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		2002 Total Research x \$1000	1993 Total Research x \$1000	Net Change in Constant Dollars	Percent Change in Constant Dollars	Net Change in National Rank	Net Change in Control Rank
Public	University of California - Berkeley	220,804	180,076	40,728	22.6%	0	0
Public	University of California - Davis	212,389	141,706	70,683	49.9%	9	6
Public	University of California - Irvine	97,424	63,730	33,694	52.9%	8	6
Public	University of California - Los Angeles	366,312	176,041	190,271	108.1%	11	8
Public	University of California - Riverside	52,061	37,406	14,656	39.2%	6	2
Public	University of California - San Diego	272,087	194,455	77,632	39.9%	3	1
Public	University of California - San Francisco	277,648	199,236	78,413	39.4%	2	1
Public	University of California - Santa Barbara	61,298	43,555	17,743	40.7%	4	1
Public	University of California - Santa Cruz	33,007	23,993	9,014	37.6%	4	2
Public	University of Central Florida	30,860	21,483	9,377	43.6%	7	3
Private	University of Chicago	104,770	70,852	33,919	47.9%	7	5
Public	University of Cincinnati - Cincinnati	101,270	58,588	42,683	72.9%	15	11
Public	University of Colorado - Boulder	102,276	73,419	28,857	39.3%	-2	-3
Public	University of Colorado Health Sciences Center	81,820	48,946	32,875	67.2%	5	2
Public	University of Connecticut - Health Center	35,199	37,076	-1,877	-5.1%	-20	-14
Public	University of Connecticut - Storrs	44,799	47,187	-2,388	-5.1%	-27	-19
Private	University of Dayton	21,652	28,531	-6,879	-24.1%	-32	-6
Public	University of Delaware	39,607	33,329	6,278	18.8%	-4	-1
Public	University of Florida	179,676	90,540	89,135	98.4%	15	11
Public	University of Georgia	132,395	109,101	23,294	21.4%	-6	-5
Public	University of Hawaii - Manoa	75,264	46,840	28,424	60.7%	12	9
Public	University of Houston - University Park	27,770	34,856	-7,086	-20.3%	-29	-25
Public	University of Idaho	35,700	28,280	7,420	26.2%	-1	0
Public	University of Illinois - Chicago	120,857	67,733	53,125	78.4%	17	11
Public	University of Illinois - Urbana-Champaign	198,679	160,105	38,573	24.1%	-4	-3
Public	University of Iowa	134,325	94,242	40,083	42.5%	3	1
Public	University of Kansas - Lawrence	48,115	30,732	17,384	56.6%	14	9
Public	University of Kansas Medical Center	31,943	23,184	8,759	37.8%	5	3
Public	University of Kentucky	109,892	65,174	44,718	68.6%	17	11
Public	University of Louisville	37,661	12,347	25,314	205.0%	51	39
Public	University of Maine - Orono	28,906	15,756	13,150	83.5%	18	10
Public	University of Maryland - Baltimore	124,099	70,785	53,314	75.3%	18	11
Public	University of Maryland - Baltimore County	16,894	4,778	12,116	253.6%	71	50
Public	University of Maryland - College Park	151,148	145,244	5,905	4.1%	-11	-5
Public	University of Massachusetts - Amherst	50,850	40,602	10,249	25.2%	-3	-4
Public	University of Massachusetts Medical Sch - Worcester	61,732	38,379	23,353	60.8%	15	11
Public	University of Medicine & Dentistry of New Jersey	82,860	48,391	34,470	71.2%	11	8
Private	University of Miami	79,681	76,550	3,130	4.1%	-27	-7
Public	University of Michigan - Ann Arbor	313,349	269,702	43,647	16.2%	-1	-1
Public	University of Minnesota - Twin Cities	229,883	201,866	28,017	13.9%	-4	-2
Public	University of Mississippi - Oxford	22,276	6,481	15,794	243.7%	74	54
Public	University of Missouri - Columbia	82,328	67,252	15,076	22.4%	-10	-8
Public	University of Montana - Missoula	18,310	9,607	8,703	90.6%	25	18
Public	University of Nebraska - Lincoln	79,733	60,138	19,595	32.6%	-5	-5
Public	University of Nebraska Medical Center	33,022	20,056	12,966	64.6%	19	14
Public	University of Nevada - Las Vegas	14,198	12,269	1,929	15.7%	-11	-8

Federal Research in Constant 1983 Dollars						Non-Federal Research in Constant 1983 Dollars					
2002 — Federal Research x \$1000	1993 — Federal Research x \$1000	Net Change in Constant Dollars	Percent Change in Constant Dollars	Net Change in National Rank	Net Change in Control Rank	2002 — Non-Federal Research x \$1000	1993 — Non-Federal Research x \$1000	Net Change in Constant Dollars	Percent Change in Constant Dollars	Net Change in National Rank	Net Change in Control Rank
101,065	99,044	2,021	2.0%	-8	-4	119,740	81,032	38,708	47.8%	0	0
82,157	66,658	15,499	23.3%	-9	-3	130,232	75,048	55,184	73.5%	6	6
53,741	40,877	12,864	31.5%	-1	-2	43,683	22,853	20,830	91.1%	24	17
170,581	119,735	50,846	42.5%	4	3	195,731	56,306	139,425	247.6%	19	17
15,025	12,113	2,913	24.0%	-6	-4	37,036	25,293	11,743	46.4%	5	5
167,149	153,986	13,163	8.5%	-1	-1	104,938	40,469	64,469	159.3%	27	20
152,271	133,087	19,184	14.4%	-4	-1	125,378	66,149	59,229	89.5%	11	9
36,450	34,234	2,216	6.5%	-20	-15	24,848	9,321	15,527	166.6%	60	41
15,302	13,819	1,483	10.7%	-12	-11	17,705	10,174	7,531	74.0%	20	14
13,920	7,933	5,987	75.5%	12	7	16,940	13,550	3,390	25.0%	-4	-3
85,499	60,753	24,747	40.7%	-1	-2	19,271	10,099	9,172	90.8%	31	10
69,842	36,348	33,495	92.2%	16	11	31,428	22,240	9,188	41.3%	10	6
88,676	52,659	36,018	68.4%	11	6	13,599	20,760	-7,161	-34.5%	-51	-40
68,091	35,106	32,984	94.0%	15	11	13,730	13,840	-110	-0.8%	-21	-17
19,098	17,706	1,392	7.9%	-12	-11	16,101	19,370	-3,269	-16.9%	-39	-29
24,308	13,358	10,950	82.0%	21	16	20,492	33,830	-13,338	-39.4%	-48	-36
18,693	24,276	-5,584	-23.0%	-33	-6	2,959	4,255	-1,296	-30.5%	-43	-8
22,410	16,574	5,837	35.2%	1	-1	17,197	16,755	441	2.6%	-19	-13
77,722	45,410	32,312	71.2%	10	6	101,954	45,130	56,823	125.9%	21	16
36,318	32,985	3,332	10.1%	-20	-15	96,078	76,116	19,962	26.2%	-6	-5
51,571	26,195	25,377	96.9%	23	17	23,693	20,645	3,048	14.8%	-3	-4
14,630	21,754	-7,124	-32.7%	-48	-40	13,140	13,102	38	0.3%	-18	-15
15,565	10,055	5,510	54.8%	15	10	20,136	18,225	1,911	10.5%	-5	-5
66,594	32,580	34,014	104.4%	19	14	54,263	35,153	19,110	54.4%	6	3
99,682	89,390	10,292	11.5%	-7	-4	98,997	70,716	28,282	40.0%	-1	-1
84,064	59,203	24,861	42.0%	0	2	50,261	35,039	15,222	43.4%	0	-1
22,876	13,623	9,253	67.9%	14	9	25,240	17,109	8,131	47.5%	11	8
15,571	10,277	5,295	51.5%	14	10	16,372	12,907	3,465	26.8%	-4	-2
46,708	29,622	17,086	57.7%	9	6	63,183	35,552	27,632	77.7%	12	6
18,129	5,652	12,477	220.8%	55	38	19,532	6,695	12,837	191.7%	60	39
11,038	5,674	5,364	94.5%	17	10	17,868	10,082	7,786	77.2%	25	17
54,425	33,917	20,508	60.5%	8	6	69,674	36,868	32,806	89.0%	16	11
13,663	3,068	10,594	345.3%	89	63	3,231	1,709	1,522	89.0%	20	11
90,274	53,857	36,417	67.6%	9	5	60,875	91,387	-30,513	-33.4%	-26	-23
25,474	20,307	5,167	25.4%	-6	-5	25,377	20,295	5,082	25.0%	2	1
43,716	21,418	22,298	104.1%	28	18	18,017	16,961	1,056	6.2%	-15	-11
41,968	22,497	19,471	86.5%	23	14	40,892	25,893	14,999	57.9%	9	7
56,357	57,929	-1,573	-2.7%	-19	-7	23,324	18,621	4,703	25.3%	0	1
206,623	158,294	48,329	30.5%	2	0	106,726	111,408	-4,682	-4.2%	-6	-6
137,345	110,648	26,697	24.1%	-2	-1	92,538	91,218	1,320	1.4%	-10	-9
17,986	4,821	13,165	273.0%	68	48	4,290	1,660	2,630	158.4%	51	36
36,158	18,753	17,405	92.8%	21	15	46,170	48,499	-2,329	-4.8%	-22	-16
10,517	4,625	5,892	127.4%	33	23	7,793	4,982	2,811	56.4%	21	15
23,909	15,155	8,754	57.8%	8	6	55,824	44,983	10,841	24.1%	0	-1
13,303	6,416	6,887	107.3%	19	11	19,719	13,640	6,079	44.6%	11	7
10,403	6,704	3,699	55.2%	-8	-8	3,795	5,565	-1,770	-31.8%	-38	-27



Change: Research		Total Research in Constant 1983 Dollars					
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		2002 — Total Research x \$1000	1993 — Total Research x \$1000	Net Change in Constant Dollars	Percent Change in Constant Dollars	Net Change in National Rank	Net Change in Control Rank
Public	University of Nevada - Reno	31,032	24,423	6,609	27.1%	0	-2
Public	University of New Hampshire - Durham	43,358	25,050	18,307	73.1%	15	11
Public	University of New Mexico - Albuquerque	70,043	48,597	21,446	44.1%	-3	-2
Public	University of North Carolina - Chapel Hill	172,462	113,460	59,002	52.0%	0	0
Public	University of North Dakota	15,801	12,162	3,639	29.9%	-4	-2
Private	University of Notre Dame	24,358	15,038	9,320	62.0%	17	8
Public	University of Oklahoma - Norman	49,629	31,469	18,160	57.7%	13	9
Public	University of Oklahoma Health Sciences Center	29,147	26,807	2,340	8.7%	-9	-10
Public	University of Oregon	20,336	19,466	869	4.5%	-12	-10
Private	University of Pennsylvania	242,907	148,084	94,823	64.0%	10	3
Public	University of Pittsburgh - Pittsburgh	186,133	113,220	72,913	64.4%	5	4
Public	University of Puerto Rico - Medical Sciences	13,529	9,260	4,269	46.1%	3	2
Public	University of Rhode Island	24,812	29,095	-4,283	-14.7%	-21	-19
Private	University of Rochester	121,671	102,474	19,196	18.7%	-9	-1
Public	University of South Carolina - Columbia	57,258	36,137	21,120	58.4%	17	11
Public	University of South Florida	92,041	47,701	44,339	93.0%	25	17
Private	University of Southern California	173,202	127,181	46,021	36.2%	-1	-1
Public	University of Southern Mississippi	11,946	4,645	7,302	157.2%	50	32
Public	University of Tennessee - Knoxville	86,247	63,687	22,560	35.4%	1	2
Public	University of Texas - Austin	149,281	157,792	-8,511	-5.4%	-16	-9
Public	University of Texas Health Science Center - Houston	64,361	37,229	27,131	72.9%	21	16
Public	University of Texas Health Science Ctr - San Antonio	60,284	47,649	12,636	26.5%	-4	-5
Public	University of Texas MD Anderson Cancer Center	121,924	80,730	41,194	51.0%	4	3
Public	University of Texas Medical Branch - Galveston	60,246	43,063	17,183	39.9%	5	1
Public	University of Texas SW Medical Center - Dallas	122,767	72,360	50,407	69.7%	14	8
Public	University of Utah	100,790	66,663	34,127	51.2%	7	5
Public	University of Vermont	41,209	31,563	9,646	30.6%	1	2
Public	University of Virginia	84,806	73,327	11,479	15.7%	-16	-12
Public	University of Washington - Seattle	291,745	212,364	79,381	37.4%	0	-1
Public	University of Wisconsin - Madison	307,943	235,817	72,126	30.6%	0	-1
Public	University of Wyoming	19,363	20,618	-1,255	-6.1%	-20	-16
Public	US Naval Postgraduate School	21,035	15,387	5,648	36.7%	0	-1
Public	Utah State University	56,566	48,026	8,540	17.8%	-13	-11
Private	Vanderbilt University	96,883	60,911	35,971	59.1%	9	2
Public	Virginia Commonwealth University	50,984	48,826	2,158	4.4%	-22	-19
Public	Virginia Polytechnic Institute and State University	108,164	85,984	22,180	25.8%	-6	-5
Private	Wake Forest University	51,921	36,507	15,414	42.2%	9	4
Public	Washington State University - Pullman	64,522	58,539	5,983	10.2%	-13	-9
Private	Washington University in St. Louis	193,928	113,569	80,359	70.8%	7	4
Public	Wayne State University	92,558	54,228	38,331	70.7%	16	11
Public	West Virginia University	39,527	34,370	5,157	15.0%	-7	-4
Private	Woods Hole Oceanographic Institution	46,493	51,626	-5,133	-9.9%	-36	-8
Private	Yale University	164,758	143,664	21,094	14.7%	-8	-5
Private	Yeshiva University	73,078	56,767	16,312	28.7%	-9	-2

Federal Research in Constant 1983 Dollars						Non-Federal Research in Constant 1983 Dollars					
2002 — Federal Research x \$1000	1993 — Federal Research x \$1000	Net Change in Constant Dollars	Percent Change in Constant Dollars	Net Change in National Rank	Net Change in Control Rank	2002 — Non-Federal Research x \$1000	1993 — Non-Federal Research x \$1000	Net Change in Constant Dollars	Percent Change in Constant Dollars	Net Change in National Rank	Net Change in Control Rank
18,585	10,828	7,757	71.6%	15	10	12,448	13,595	-1,148	-8.4%	-27	-22
23,641	14,968	8,673	57.9%	9	7	19,717	10,082	9,635	95.6%	35	24
48,488	27,147	21,341	78.6%	17	12	21,556	21,450	106	0.5%	-13	-10
118,401	82,912	35,489	42.8%	1	3	54,061	30,549	23,512	77.0%	17	11
11,629	10,429	1,201	11.5%	-17	-12	4,172	1,733	2,438	140.7%	41	27
15,481	10,396	5,085	48.9%	10	3	8,877	4,642	4,235	91.2%	31	8
17,427	10,755	6,673	62.0%	11	8	32,201	20,714	11,487	55.5%	15	10
14,845	10,333	4,512	43.7%	6	4	14,302	16,474	-2,172	-13.2%	-29	-20
17,291	13,594	3,697	27.2%	-3	-4	3,045	5,873	-2,828	-48.2%	-62	-49
184,918	109,936	74,981	68.2%	9	4	57,990	38,148	19,842	52.0%	5	3
142,745	89,887	52,858	58.8%	5	2	43,388	23,333	20,055	85.9%	20	14
11,130	6,191	4,940	79.8%	10	6	2,399	3,070	-671	-21.8%	-37	-26
21,140	20,651	489	2.4%	-18	-17	3,672	8,444	-4,772	-56.5%	-67	-51
90,833	82,898	7,935	9.6%	-5	-3	30,838	19,577	11,261	57.5%	13	4
24,838	17,891	6,947	38.8%	3	3	32,420	18,247	14,173	77.7%	24	17
39,119	10,588	28,531	269.5%	69	53	52,922	37,114	15,808	42.6%	0	-2
124,017	94,973	29,044	30.6%	-1	-1	49,185	32,208	16,978	52.7%	6	2
10,417	4,022	6,395	159.0%	41	28	1,529	623	906	145.6%	22	13
41,007	29,098	11,908	40.9%	4	2	45,240	34,588	10,652	30.8%	-6	-4
101,930	88,109	13,822	15.7%	-2	1	47,351	69,683	-22,332	-32.0%	-34	-25
45,894	24,486	21,408	87.4%	24	17	18,466	12,743	5,723	44.9%	14	11
38,957	30,694	8,263	26.9%	-5	-3	21,327	16,955	4,373	25.8%	3	3
54,711	26,065	28,646	109.9%	29	22	67,213	54,665	12,548	23.0%	-6	-5
36,324	19,351	16,974	87.7%	20	14	23,922	23,713	209	0.9%	-12	-11
72,211	43,028	29,182	67.8%	12	7	50,556	29,331	21,225	72.4%	15	11
66,335	52,714	13,621	25.8%	-9	-7	34,456	13,949	20,507	147.0%	42	32
27,106	19,968	7,138	35.7%	-3	-2	14,103	11,595	2,508	21.6%	-3	-1
70,862	46,492	24,370	52.4%	3	0	13,945	26,836	-12,891	-48.0%	-68	-50
226,531	170,243	56,288	33.1%	0	0	65,214	42,121	23,093	54.8%	6	3
160,461	135,498	24,963	18.4%	-2	-1	147,482	100,319	47,163	47.0%	1	1
9,310	9,230	80	0.9%	-25	-19	10,053	11,387	-1,334	-11.7%	-18	-15
20,641	14,971	5,670	37.9%	0	-1	394	415	-21	-5.1%	-43	-23
36,926	28,768	8,157	28.4%	-3	-3	19,640	19,258	382	2.0%	-15	-13
80,396	52,996	27,400	51.7%	1	0	16,486	7,915	8,571	108.3%	34	12
30,245	30,891	-646	-2.1%	-28	-20	20,739	17,935	2,804	15.6%	-2	-2
38,592	39,080	-488	-1.2%	-19	-15	69,572	46,904	22,667	48.3%	6	4
42,667	26,511	16,157	60.9%	12	4	9,254	9,997	-743	-7.4%	-13	-2
25,856	27,661	-1,805	-6.5%	-24	-17	38,665	30,877	7,788	25.2%	-4	-4
141,130	82,001	59,130	72.1%	11	5	52,798	31,568	21,230	67.3%	13	5
44,608	25,564	19,043	74.5%	18	13	47,950	28,663	19,287	67.3%	12	10
22,973	19,691	3,283	16.7%	-10	-10	16,553	14,679	1,874	12.8%	-16	-11
36,491	46,577	-10,086	-21.7%	-37	-8	10,002	5,049	4,953	98.1%	37	13
127,579	106,964	20,614	19.3%	-1	0	37,180	36,700	480	1.3%	-19	-4
53,146	45,453	7,694	16.9%	-10	-1	19,932	11,314	8,618	76.2%	32	8

<b>Change: Private Support &amp; Doctorates</b>		<b>Endowment Assets in Constant 1998 Dollars</b>					
Institutions with Over \$20 Million in Federal Research, Alphabetically		2003 — Endowment Assets x \$1000	1994 — Endowment Assets x \$1000	Net Change in Constant Dollars	Percent Change in Constant Dollars	Net Change in National Rank	Net Change in Control Rank
Public	Arizona State University - Tempe	195,943	60,316	135,626	224.9%	94	23
Public	Auburn University	198,696	137,909	60,787	44.1%	-29	-23
Private	Baylor College of Medicine	738,525	329,970	408,555	123.8%	16	18
Private	Boston College	858,004	491,988	366,016	74.4%	-5	-2
Private	Boston University	549,524	373,186	176,338	47.3%	-9	-4
Private	Brandeis University	361,291	214,003	147,288	68.8%	-8	2
Private	Brown University	1,294,590	668,839	625,750	93.6%	3	2
Private	California Institute of Technology	1,014,547	660,597	353,950	53.6%	-3	-1
Private	Carnegie Mellon University	579,979	456,129	123,851	27.2%	-20	-12
Private	Case Western Reserve University	1,142,168	612,754	529,414	86.4%	4	4
Private	Charles R. Drew University of Medicine and Science	NR	NR				
Public	Clemson University	189,094	89,193	99,901	11.2%	17	-3
Public	Colorado State University	91,954	34,538	57,416	166.2%	65	3
Private	Columbia University	3,853,665	2,109,771	1,743,894	82.7%	0	-1
Private	Cornell University	2,529,042	1,373,753	1,155,289	84.1%	-3	-2
Private	Dartmouth College	1,879,156	866,729	1,012,427	116.8%	1	1
Public	Desert Research Institute	NR	NR				
Private	Drexel University	310,019	96,753	213,266	220.4%	66	47
Private	Duke University	2,672,992	768,833	1,904,158	247.7%	8	7
Private	Emory University	3,561,111	1,860,114	1,700,997	91.4%	2	1
Public	Florida A&M University	NR	NR				
Public	Florida International University	46,846	NR				
Public	Florida State University	295,669	55,161	240,508	436.0%	158	51
Public	George Mason University	NR	NR				
Private	George Washington University	561,749	399,157	162,592	40.7%	-12	-7
Private	Georgetown University	523,604	374,586	149,018	39.8%	-14	-7
Public	Georgia Institute of Technology	904,930	299,926	605,004	201.7%	34	5
Private	Harvard University	16,698,764	6,820,722	9,878,042	144.8%	0	0
Private	Howard University	280,928	145,330	135,598	93.3%	5	10
Public	Indiana University - Bloomington	433,520	206,544	226,976	109.9%	15	-2
Public	Indiana University-Purdue University - Indianapolis	375,162	185,888	189,274	101.8%	15	-1
Public	Iowa State University	300,612	116,834	183,779	157.3%	39	7
Public	Jackson State University	NR	NR				
Private	Johns Hopkins University	1,518,912	814,876	704,036	86.4%	-3	-1
Public	Kansas State University	149,014	103,921	45,093	43.4%	-26	-20
Private	Loma Linda University	110,535	NR				
Public	Louisiana State University - Baton Rouge	201,305	65,994	135,311	205.0%	79	21
Public	Louisiana State University Health Sciences Center	52,080	20,875	31,205	149.5%	50	6
Private	Loyola University Chicago	170,181	415,841	-245,660	-59.1%	-135	-78
Private	Massachusetts Institute of Technology	4,547,868	1,955,377	2,592,491	132.6%	2	1
Private	MCP Hahnemann University	NR	NR				
Public	Medical College of Georgia	70,892	22,153	48,738	22.0%	83	7
Private	Medical College of Wisconsin	49,578	34,795	14,782	42.5%	-49	-17
Public	Medical University of South Carolina	61,969	21,998	39,971	181.7%	61	4
Private	Meharry Medical College	27,381	NR				
Public	Michigan State University	524,456	113,069	411,388	363.8%	93	29

Annual Giving in Constant 1998 Dollars						Doctorates Awarded					
2003 — Annual Giving x \$1000	1994 — Annual Giving x \$1000	Net Change in Constant Dollars	Percent Change in Constant Dollars	Net Change in National Rank	Net Change in Control Rank	2003 — Doctorates Awarded	1994 — Doctorates Awarded	Net Change in Constant Dollars	Percent Change in Constant Dollars	Net Change in National Rank	Net Change in Control Rank
52,512	27,608	24,904	90.2%	28	14	300	258	42	16.3%	15	13
39,170	33,349	5,821	17.5%	-17	-14	159	153	6	3.9%	4	5
42,498	33,509	8,989	26.8%	-14	-3	60	49	11	22.4%	-3	-7
48,473	22,545	25,928	11.5%	37	18	143	117	26	22.2%	8	-1
91,567	36,564	55,003	150.4%	22	10	270	289	-19	-6.6%	-3	-1
63,843	36,524	27,319	74.8%	7	4	93	98	-5	-5.1%	-11	-10
73,231	55,709	17,522	31.5%	-8	-2	143	162	-19	-11.7%	-11	-6
110,244	69,000	41,244	59.8%	4	5	137	151	-14	-9.3%	-10	-6
38,428	33,515	4,913	14.7%	-26	-5	164	168	-4	-2.4%	2	-2
70,014	84,696	-14,681	-17.3%	-27	-9	179	191	-12	-6.3%	-2	-4
NR	NR					0	0	0	0.0%	-101	18
32,986	29,178	3,808	13.1%	-30	-24	116	115	1	0.9%	-12	-2
26,096	11,076	15,020	135.6%	71	9	182	175	7	4.0%	6	6
249,379	153,544	95,835	62.4%	-4	0	433	644	-211	-32.8%	-13	-6
315,559	193,206	122,352	63.3%	2	2	436	569	-133	-23.4%	-9	-4
80,060	81,253	-1,193	-1.5%	-20	-5	67	52	15	28.8%	3	-6
NR	NR					NR	NR				
51,399	12,852	38,547	299.9%	115	64	108	60	48	80.0%	46	19
262,959	163,149	99,810	61.2%	-4	0	253	201	52	25.9%	20	1
109,434	54,995	54,439	99.0%	11	7	154	103	51	49.5%	29	8
NR	NR					17	3	14	466.7%	77	25
10,464	NR					60	26	34	130.8%	49	30
55,721	22,978	32,743	142.5%	48	24	290	274	16	5.8%	7	7
14,618	8,143	6,476	79.5%	40	-6	138	79	59	74.7%	40	23
52,573	26,186	26,386	100.8%	34	17	228	152	76	50.0%	30	7
73,928	40,398	33,529	83.0%	8	3	88	75	13	17.3%	6	-1
65,884	42,028	23,855	56.8%	-1	-1	225	202	23	11.4%	7	9
492,241	317,947	174,294	54.8%	0	0	548	538	10	1.9%	0	0
NR	NR					93	79	14	17.7%	5	-2
43,660	55,653	-11,993	-21.5%	-43	-27	389	348	41	11.8%	4	2
88,002	50,088	37,913	75.7%	4	0	24	28	-4	-14.3%	-66	-24
41,961	40,804	1,157	2.8%	-33	-19	238	307	-69	-22.5%	-18	-11
NR	NR					31	10	21	210.0%	71	26
283,087	95,734	187,353	195.7%	16	7	364	262	102	38.9%	22	4
39,676	22,975	16,701	72.7%	20	7	145	154	-9	-5.8%	-6	-2
NR	29,384					68	27	41	151.9%	60	22
34,330	NR					211	218	-7	-3.2%	0	2
NR	NR					22	23	-1	-4.3%	-57	-24
21,069	18,008	3,061	17.0%	-26	-4	166	104	62	59.6%	37	10
169,617	103,150	66,467	64.4%	-4	-1	440	508	-68	-13.4%	-4	0
NR	5,954					NR	19				
7,112	9,410	-2,298	-24.4%	-154	-69	15	6	9	150.0%	19	9
7,673	NR					16	18	-2	-11.1%	-62	-40
16,036	7,589	8,446	111.3%	73	6	35	22	13	59.1%	12	6
11,149	7,576	3,573	47.2%	-1	24	8	8	0	0.0%	-81	-62
105,120	58,310	46,810	80.3%	5	0	442	429	13	3.0%	6	3

<b>Change: Private Support &amp; Doctorates</b>		<b>Endowment Assets in Constant 1998 Dollars</b>					
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		2003 — Endowment Assets x \$1000	1994 — Endowment Assets x \$1000	Net Change in Constant Dollars	Percent Change in Constant Dollars	Net Change in National Rank	Net Change in Control Rank
Public	Mississippi State University	136,779	69,527	67,253	96.7%	15	-4
Public	Montana State University - Bozeman	46,146	NR				
Private	Morehouse School of Medicine	NR	NR				
Private	Mount Sinai School of Medicine	NR	NR				
Public	New Jersey Institute of Technology	37,693	6,665	31,028	465.5%	72	38
Public	New Mexico State University - Las Cruces	82,752	23,758	58,994	248.3%	98	13
Private	New York University	1,102,591	761,638	340,953	44.8%	-6	-3
Public	North Carolina State University	256,078	130,659	125,419	96.0%	16	-5
Public	North Dakota State University	NR	NR				
Private	Northeastern University	363,831	234,700	129,131	55.0%	-10	2
Private	Northwestern University	2,703,029	1,402,826	1,300,203	92.7%	-1	0
Public	Ohio State University - Columbus	1,077,763	534,547	543,216	101.6%	3	1
Public	Oklahoma State University - Stillwater	132,246	54,551	77,696	142.4%	58	9
Public	Oregon Health & Science University	221,123	106,083	115,040	108.4%	17	-1
Public	Oregon State University	208,951	88,420	120,531	136.3%	33	4
Public	Pennsylvania State University - Hershey Medical Ctr	114,032	31,980	82,053	256.6%	121	17
Public	Pennsylvania State University - University Park	610,887	255,833	355,054	138.8%	22	2
Private	Princeton University	7,733,996	3,791,155	3,942,841	10.4%	0	0
Public	Purdue University - West Lafayette	901,551	550,235	351,316	63.8%	-8	-5
Private	Rensselaer Polytechnic Institute	452,591	307,517	145,075	47.2%	-8	0
Private	Rice University	2,602,463	1,406,249	1,196,215	85.1%	-4	-3
Private	Rockefeller University	1,132,269	627,701	504,568	80.4%	2	2
Private	Rush University	259,858	236,000	23,858	10.1%	-44	-20
Public	Rutgers the State University of NJ - New Brunswick	324,526	193,180	131,347	68.0%	-5	-8
Private	Saint Louis University - St. Louis	571,744	313,670	258,074	82.3%	7	10
Public	San Diego State University	55,229	26,581	28,648	107.8%	15	-8
Private	Stanford University	7,631,143	3,025,576	4,605,566	152.2%	0	0
Public	State Univ. of New York Health Science Ctr - Brooklyn	30,083	17,546	12,538	71.5%	-63	-29
Public	Stony Brook University	38,713	11,876	26,837	226.0%	38	14
Private	Syracuse University	581,942	262,338	319,603	121.8%	19	18
Public	Temple University	140,071	93,449	46,622	49.9%	-27	-22
Public	Texas A&M University	3,122,899	2,213,699	909,199	41.1%	-4	0
Public	Texas A&M University System Health Sciences Center	50,869	NR				
Public	Texas Tech University	176,462	106,620	69,842	65.5%	-14	-18
Private	Thomas Jefferson University	NR	235,736				
Private	Tufts University	592,921	239,006	353,914	148.1%	29	24
Private	Tulane University	561,430	313,472	247,959	79.1%	4	8
Public	University at Albany	13,085	2,988	10,096	337.8%	-92	-18
Public	University at Buffalo	335,211	205,949	129,263	62.8%	-7	-9
Public	University of Alabama - Birmingham	214,499	104,646	109,853	105.0%	16	-2
Public	University of Alabama - Huntsville	16,007	8,485	7,523	88.7%	-102	-31
Public	University of Alabama - Tuscaloosa	303,073	169,696	133,377	78.6%	-3	-3
Public	University of Alaska - Fairbanks	36,957	21,856	15,101	69.1%	-45	-26
Public	University of Arizona	263,772	78,742	185,031	235.0%	82	24
Public	University of Arkansas - Fayetteville	437,435	83,169	354,266	426.0%	122	41
Public	University of Arkansas for Medical Sciences	35,694	NR				

Annual Giving in Constant 1998 Dollars						Doctorates Awarded					
2003 — Annual Giving x \$1000	1994 — Annual Giving x \$1000	Net Change in Constant Dollars	Percent Change in Constant Dollars	Net Change in National Rank	Net Change in Control Rank	2003 — Doctorates Awarded	1994 — Doctorates Awarded	Net Change in Constant Dollars	Percent Change in Constant Dollars	Net Change in National Rank	Net Change in Control Rank
30,059	27,716	2,342	8.5%	-30	-25	93	124	-31	-25.0%	-36	-14
NR	NR					42	34	8	23.5%	-21	-3
4,427	NR					3	0	3		-44	-33
NR	NR					27	0	0	0.0%	0	0
6,885	5,734	1,151	20.1%	-56	-44	46	29	17	58.6%	7	12
11,597	NR					75	66	9	13.6%	-1	4
184,207	111,907	72,300	64.6%	-6	-2	411	391	20	5.1%	2	2
108,743	38,557	70,186	182.0%	27	16	322	300	22	7.3%	5	5
7,911	NR					33	30	3	10.0%	-36	-12
18,590	9,624	8,966	93.2%	44	47	93	78	15	19.2%	9	1
156,017	106,514	49,502	46.5%	-11	-3	370	305	65	21.3%	10	2
173,423	104,363	69,060	66.2%	-4	-3	575	710	-135	-19.0%	-6	-4
35,598	15,180	20,418	134.5%	52	13	182	203	-21	-10.3%	-7	-1
37,763	33,478	4,286	12.8%	-25	-20	27	23	4	17.4%	-31	-14
25,997	47,140	-21,143	-44.9%	-93	-61	171	200	-29	-14.5%	-6	0
19,275	9,076	10,199	112.4%	65	7	41	15	26	173.3%	65	26
107,619	72,590	35,029	48.3%	-4	-5	503	507	-4	-0.8%	2	1
201,571	94,121	107,450	114.2%	8	5	260	267	-7	-2.6%	2	-1
91,642	59,374	32,268	54.3%	0	-3	463	493	-30	-6.1%	1	0
36,392	30,557	5,835	19.1%	-27	-2	136	180	-44	-24.4%	-26	-12
51,320	38,861	12,460	32.1%	-13	-5	107	108	-1	-0.9%	-13	-11
47,877	34,957	12,920	37.0%	-12	-3	34	25	9	36.0%	-14	-9
NR	NR					33	30	3	10.0%	-36	-25
70,689	34,812	35,877	103.1%	19	10	358	400	-42	-10.5%	-7	-4
NR	NR					151	124	27	21.8%	8	-1
38,424	17,608	20,816	118.2%	47	17	40	25	15	60.0%	4	7
430,614	248,734	181,880	73.1%	1	1	611	560	51	9.1%	5	1
3,285	NR					6	2	4	200.0%	-22	-6
70,415	10,931	59,484	544.2%	161	68	298	268	30	11.2%	10	10
34,010	32,997	1,013	3.1%	-42	-10	121	179	-58	-32.4%	-37	-18
23,848	19,323	4,525	23.4%	-24	-24	161	287	-126	-43.9%	-40	-27
126,072	100,889	25,183	25.0%	-10	-7	442	579	-137	-23.7%	-7	-4
6,722	NR					4	0	0	0.0%	0	0
23,762	19,323	4,439	23.0%	-25	-25	163	168	-5	-3.0%	1	4
13,774	19,432	-5,658	-29.1%	-110	-52	18	26	-8	-30.8%	-98	-65
62,074	35,223	26,851	76.2%	7	4	85	76	9	11.8%	-2	-6
46,024	45,400	625	1.4%	-31	-13	105	80	25	31.2%	13	3
32,553	7,928	24,625	310.6%	152	41	165	131	34	26.0%	16	13
29,107	14,331	14,777	103.1%	41	4	269	345	-76	-22.0%	-15	-12
45,805	28,714	17,091	59.5%	11	6	155	107	48	44.9%	26	19
3,700	1,389	2,310	166.3%	185	17	21	30	-9	-30.0%	-91	-35
38,371	27,575	10,797	39.2%	0	-4	178	176	2	1.1%	1	2
5,741	NR					36	24	12	50.0%	3	2
164,272	46,541	117,731	253.0%	27	16	378	442	-64	-14.5%	-7	-5
295,048	47,901	247,148	516.0%	43	24	120	127	-7	-5.5%	-19	-6
19,984	NR					15	11	4	36.4%	-22	-6

Change: Private Support & Doctorates		Endowment Assets in Constant 1998 Dollars					
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		2003 — Endowment Assets x \$1000	1994 — Endowment Assets x \$1000	Net Change in Constant Dollars	Percent Change in Constant Dollars	Net Change in National Rank	Net Change in Control Rank
Public	University of California - Berkeley	1,588,992	723,920	865,072	119.5%	3	1
Public	University of California - Davis	52,125	127,751	-75,627	-59.2%	-240	-89
Public	University of California - Irvine	109,591	42,584	67,007	157.4%	63	6
Public	University of California - Los Angeles	442,187	447,127	-4,940	-1.1%	-38	-14
Public	University of California - Riverside	56,597	21,292	35,305	165.8%	54	5
Public	University of California - San Diego	140,848	85,168	55,681	65.4%	-10	-14
Public	University of California - San Francisco	229,860	255,501	-25,641	-10.0%	-67	-32
Public	University of California - Santa Barbara	78,266	21,292	56,974	267.6%	107	17
Public	University of California - Santa Cruz	66,126	21,292	44,834	210.6%	79	12
Public	University of Central Florida	48,213	23,866	24,348	102.0%	2	-16
Private	University of Chicago	2,854,222	1,346,256	1,507,966	112.0%	2	3
Public	University of Cincinnati - Cincinnati	773,680	422,079	351,602	83.3%	3	-1
Public	University of Colorado - Boulder	171,393	82,277	89,116	108.3%	24	-1
Public	University of Colorado Health Sciences Center	106,264	41,139	65,125	158.3%	61	5
Public	University of Connecticut - Health Center	49,074	13,439	35,636	265.2%	80	25
Public	University of Connecticut - Storrs	99,635	31,358	68,277	217.7%	96	13
Private	University of Dayton	228,619	101,425	127,194	125.4%	28	25
Public	University of Delaware	769,019	492,126	276,893	56.3%	-11	-5
Public	University of Florida	518,867	311,993	206,874	66.3%	-1	-6
Public	University of Georgia	351,775	157,218	194,557	123.8%	17	2
Public	University of Hawaii - Manoa	125,322	75,777	49,546	65.4%	-13	-15
Public	University of Houston - University Park	248,406	197,202	51,203	26.0%	-35	-21
Public	University of Idaho	115,391	55,541	59,851	107.8%	29	-4
Public	University of Illinois - Chicago	104,222	44,082	60,140	136.4%	48	2
Public	University of Illinois - Urbana-Champaign	545,159	217,018	328,141	151.2%	24	4
Public	University of Iowa	566,087	183,570	382,517	208.4%	45	13
Public	University of Kansas - Lawrence	507,566	292,891	214,675	73.3%	-1	-6
Public	University of Kansas Medical Center	143,160	73,223	69,937	95.5%	15	-2
Public	University of Kentucky	365,264	120,522	244,742	203.1%	61	13
Public	University of Louisville	420,974	173,209	247,765	143.0%	27	6
Public	University of Maine - Orono	73,631	84,568	-10,937	-12.9%	-131	-52
Public	University of Maryland - Baltimore	120,267	46,740	73,527	157.3%	70	9
Public	University of Maryland - Baltimore County	12,027	1,417	10,610	749.0%	-93	-14
Public	University of Maryland - College Park	256,570	89,231	167,339	187.5%	56	13
Public	University of Massachusetts - Amherst	59,130	34,481	24,650	71.5%	-13	-18
Public	University of Massachusetts Medical Sch - Worcester	33,356	21,942	11,414	52.0%	-74	-39
Public	University of Medicine & Dentistry of New Jersey	139,438	58,715	80,723	137.5%	51	7
Private	University of Miami	364,652	263,636	101,016	38.3%	-22	-6
Public	University of Michigan - Ann Arbor	3,007,830	1,061,393	1,946,437	183.4%	4	0
Public	University of Minnesota - Twin Cities	1,183,580	721,503	462,078	64.0%	0	0
Public	University of Mississippi - Oxford	242,273	53,983	188,290	348.8%	143	43
Public	University of Missouri - Columbia	384,424	181,688	202,736	111.6%	18	2
Public	University of Montana - Missoula	70,314	NR				
Public	University of Nebraska - Lincoln	515,407	187,591	327,816	174.7%	34	7
Public	University of Nebraska Medical Center	123,697	74,441	49,256	66.2%	-11	-15
Public	University of Nevada - Las Vegas	37,475	33,241	4,233	12.7%	-105	-47

Annual Giving in Constant 1998 Dollars						Doctorates Awarded					
2003 — Annual Giving x \$1000	1994 — Annual Giving x \$1000	Net Change in Constant Dollars	Percent Change in Constant Dollars	Net Change in National Rank	Net Change in Control Rank	2003 — Doctorates Awarded	1994 — Doctorates Awarded	Net Change in Constant Dollars	Percent Change in Constant Dollars	Net Change in National Rank	Net Change in Control Rank
168,950	109,126	59,825	54.8%	-8	-5	772	896	-124	-13.8%	0	0
57,286	31,899	25,387	79.6%	22	13	373	323	50	15.5%	7	5
47,153	23,223	23,930	103.0%	30	15	188	172	16	9.3%	11	10
283,012	99,975	183,037	183.1%	14	8	596	620	-24	-3.9%	1	2
14,205	8,261	5,944	72.0%	33	-10	121	135	-14	-10.4%	-19	-7
122,776	54,679	68,097	124.5%	15	6	279	285	-6	-2.1%	5	5
199,856	100,479	99,377	98.9%	3	1	80	85	-5	-5.9%	-19	-6
54,941	23,421	31,520	134.6%	43	20	251	222	29	13.1%	12	12
16,096	5,410	10,686	197.5%	153	23	104	89	15	16.9%	7	7
10,052	4,784	5,269	110.1%	89	-8	110	46	64	139.1%	69	36
144,926	94,766	50,160	52.9%	-5	-1	332	395	-63	-15.9%	-9	-3
45,616	42,463	3,153	7.4%	-30	-18	237	273	-36	-13.2%	-8	-3
35,082	35,357	-276	-0.8%	-47	-34	303	306	-3	-1.0%	1	3
37,713	17,679	20,034	113.3%	40	11	41	38	3	7.9%	-29	-8
7,531	752	6,779	901.0%	510	128	0	0	0	0.0%	0	0
30,122	6,772	23,350	344.8%	188	50	237	246	-9	-3.7%	-1	2
18,079	NR					21	18	3	16.7%	-32	-16
29,764	22,238	7,526	33.8%	-11	-15	135	121	14	11.6%	-3	3
156,529	78,199	78,330	100.2%	4	-1	591	442	149	33.7%	12	7
52,333	33,270	19,063	57.3%	8	2	414	309	105	34.0%	14	10
19,156	NR					131	159	-28	-17.6%	-19	-8
25,265	35,989	-10,724	-29.8%	-80	-54	203	202	1	0.5%	0	3
14,030	9,732	4,298	44.2%	0	-21	90	68	22	32.4%	17	14
41,669	34,149	7,521	22.0%	-17	-11	225	232	-7	-3.0%	-4	-1
101,196	102,445	-1,249	-1.2%	-19	-14	617	666	-49	-7.4%	1	2
82,404	65,509	16,895	25.8%	-8	-9	249	342	-93	-27.2%	-21	-15
62,515	30,433	32,082	105.4%	32	18	232	225	7	3.1%	4	5
13,723	7,608	6,115	80.4%	48	-6	11	12	-1	-8.3%	-75	-23
48,554	34,686	13,868	40.0%	-5	-4	208	229	-21	-9.2%	-8	-5
29,073	18,688	10,384	55.6%	5	-10	89	58	31	53.4%	33	23
11,742	15,499	-3,757	-24.2%	-105	-56	45	43	2	4.7%	-28	-12
38,338	17,457	20,882	119.6%	46	16	70	65	5	7.7%	-8	2
7,115	3,136	3,979	126.9%	145	9	67	34	33	97.1%	36	24
69,649	23,604	46,045	195.1%	53	28	418	528	-110	-20.8%	-8	-5
27,301	13,401	13,900	103.7%	45	5	213	338	-125	-37.0%	-31	-23
NR	NR					24	12	12	100.0%	24	4
15,769	NR					114	96	18	18.8%	8	6
82,185	69,829	12,356	17.7%	-13	-2	127	119	8	6.7%	-3	-8
159,654	127,719	31,935	2.5%	-12	-8	617	649	-32	-4.9%	2	3
216,914	128,075	88,839	69.4%	-4	-4	560	707	-147	-20.8%	-6	-4
43,321	13,474	29,847	221.5%	93	39	83	78	5	6.4%	-8	-1
57,325	24,953	32,371	129.7%	43	23	274	253	21	8.3%	12	10
12,683	NR					33	23	10	43.5%	-7	-3
49,237	32,886	16,351	49.7%	6	2	254	227	27	11.9%	11	9
27,539	13,050	14,489	111.0%	50	9	23	12	11	91.7%	17	2
18,719	NR					37	11	26	236.4%	84	33



<b>Change: Private Support &amp; Doctorates</b>		<b>Endowment Assets in Constant 1998 Dollars</b>					
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		2003 — Endowment Assets x \$1000	1994 — Endowment Assets x \$1000	Net Change in Constant Dollars	Percent Change in Constant Dollars	Net Change in National Rank	Net Change in Control Rank
Public	University of Nevada - Reno	39,378	65,150	-25,772	-39.6%	-207	-68
Public	University of New Hampshire - Durham	125,121	53,582	71,539	133.5%	53	7
Public	University of New Mexico - Albuquerque	178,496	114,131	64,365	56.4%	-17	-18
Public	University of North Carolina - Chapel Hill	972,203	254,945	717,258	281.3%	45	10
Public	University of North Dakota	NR	NR				
Private	University of Notre Dame	2,279,727	966,733	1,312,994	135.8%	-1	-1
Public	University of Oklahoma - Norman	365,051	153,986	211,065	137.1%	27	4
Public	University of Oklahoma Health Sciences Center	156,451	65,994	90,457	137.1%	48	8
Public	University of Oregon	208,030	77,711	130,319	167.7%	55	12
Private	University of Pennsylvania	3,142,706	1,610,754	1,531,952	95.1%	2	1
Public	University of Pittsburgh - Pittsburgh	1,024,648	425,625	599,023	140.7%	17	3
Public	University of Puerto Rico - Medical Sciences	NR	NR				
Public	University of Rhode Island	43,723	19,741	23,982	121.5%	14	-3
Private	University of Rochester	998,719	686,785	311,934	45.4%	-6	-4
Public	University of South Carolina - Columbia	276,886	86,141	190,745	221.4%	70	19
Public	University of South Florida	220,284	72,005	148,279	205.9%	75	23
Private	University of Southern California	1,872,497	870,411	1,002,085	115.1%	-1	-1
Public	University of Southern Mississippi	NR	NR				
Public	University of Tennessee - Knoxville	393,469	72,532	320,937	442.5%	135	46
Public	University of Texas - Austin	1,453,517	741,933	711,584	95.9%	0	-1
Public	University of Texas Health Science Center - Houston	87,827	20,915	66,913	319.9%	135	29
Public	University of Texas Health Science Ctr - San Antonio	218,439	20,118	198,321	985.8%	293	87
Public	University of Texas MD Anderson Cancer Center	181,688	85,014	96,675	113.7%	25	0
Public	University of Texas Medical Branch - Galveston	271,683	135,235	136,448	100.9%	18	-3
Public	University of Texas SW Medical Center - Dallas	581,346	228,404	352,942	154.5%	31	5
Public	University of Utah	295,229	126,625	168,604	133.2%	31	3
Public	University of Vermont	170,789	105,531	65,258	61.8%	-15	-18
Public	University of Virginia	1,595,401	797,153	798,249	100.1%	0	0
Public	University of Washington - Seattle	977,322	327,431	649,891	198.5%	32	5
Public	University of Wisconsin - Madison	753,312	416,852	336,460	80.7%	2	-2
Public	University of Wyoming	132,714	85,843	46,871	54.6%	-26	-19
Public	US Naval Postgraduate School	NR	NR				
Public	Utah State University	65,000	27,590	37,410	135.6%	34	-4
Private	Vanderbilt University	1,788,755	922,141	866,615	94.0%	-3	-3
Public	Virginia Commonwealth University	163,021	96,952	66,069	68.1%	-10	-15
Public	Virginia Polytechnic Institute and State University	293,508	181,594	111,915	61.6%	-12	-9
Private	Wake Forest University	642,415	442,616	199,799	45.1%	-8	-3
Public	Washington State University - Pullman	439,072	247,938	191,134	77.1%	-1	-4
Private	Washington University in St. Louis	3,060,522	1,911,579	1,148,943	60.1%	-2	-2
Public	Wayne State University	130,976	69,458	61,518	88.6%	8	-6
Public	West Virginia University	243,674	114,659	129,015	112.5%	21	-2
Private	Woods Hole Oceanographic Institution	238,573	149,218	89,355	59.9%	-14	-1
Private	Yale University	9,775,552	3,881,547	5,894,005	151.8%	0	0
Private	Yeshiva University	809,828	345,344	464,483	134.5%	19	18

Annual Giving in Constant 1998 Dollars						Doctorates Awarded					
2003 — Annual Giving x \$1000	1994 — Annual Giving x \$1000	Net Change in Constant Dollars	Percent Change in Constant Dollars	Net Change in National Rank	Net Change in Control Rank	2003 — Doctorates Awarded	1994 — Doctorates Awarded	Net Change in Constant Dollars	Percent Change in Constant Dollars	Net Change in National Rank	Net Change in Control Rank
11,565	13,553	-1,988	-14.7%	-94	-53	95	41	54	131.7%	72	41
11,566	18,063	-6,496	-36.0%	-132	-66	54	59	-5	-8.5%	-34	-14
36,360	18,169	18,191	100.1%	31	6	162	165	-3	-1.8%	2	4
144,953	90,985	53,968	59.3%	-2	-3	412	373	39	10.5%	5	2
NR	NR					57	44	13	29.5%	-3	1
100,893	71,500	29,392	41.1%	-6	1	135	109	26	23.9%	6	-5
57,436	NR					143	148	-5	-3.4%	-5	-2
20,181	NR					16	8	8	100.0%	10	7
55,408	40,295	15,113	37.5%	-8	-6	156	227	-71	-31.3%	-27	-17
354,042	285,483	68,559	24.0%	-1	-1	385	488	-103	-21.1%	-9	-3
83,757	35,222	48,535	137.8%	24	12	348	334	14	4.2%	2	2
NR	NR					3	2	1	50.0%	-77	-19
11,545	8,237	3,308	40.2%	-11	-27	77	91	-14	-15.4%	-25	-9
52,649	44,081	8,568	19.4%	-16	-4	193	236	-43	-18.2%	-13	-5
40,662	30,930	9,732	31.5%	-4	-3	235	288	-53	-18.4%	-15	-10
17,277	22,545	-5,268	-23.4%	-81	-46	153	121	32	26.4%	11	10
271,070	245,207	25,862	10.5%	-6	-2	559	415	144	34.7%	12	5
NR	NR					117	95	22	23.2%	11	9
90,376	32,232	58,145	180.4%	41	23	262	226	36	15.9%	15	12
274,172	69,369	204,803	295.2%	26	12	674	714	-40	-5.6%	0	1
26,264	9,862	16,403	166.3%	88	17	75	95	-20	-21.1%	-33	-13
24,606	13,375	11,231	84.0%	31	0	25	42	-17	-40.5%	-92	-41
55,930	50,627	5,302	10.5%	-18	-13	0	0	0	0.0%	0	0
35,396	32,317	3,079	9.5%	-30	-24	35	15	20	133.3%	52	16
73,223	60,359	12,864	21.3%	-12	-9	42	38	4	10.5%	-27	-6
121,674	70,439	51,235	72.7%	2	-2	225	205	20	9.8%	5	7
25,485	15,047	10,438	69.4%	18	-6	35	62	-27	-43.5%	-85	-40
232,037	73,601	158,436	215.3%	16	7	337	294	43	14.6%	8	7
275,737	134,931	140,806	104.4%	2	-1	493	455	38	8.4%	5	2
254,178	161,989	92,189	56.9%	-4	-4	656	783	-127	-16.2%	-2	-1
14,882	6,294	8,589	136.5%	105	10	56	73	-17	-23.3%	-49	-24
NR	NR					12	7	5	71.4%	-21	0
11,534	8,405	3,129	37.2%	-18	-31	59	61	-2	-3.3%	-27	-8
87,527	89,764	-2,237	-2.5%	-18	-5	189	193	-4	-2.1%	3	-3
33,879	12,671	21,208	167.4%	72	20	114	120	-6	-5.0%	-16	-4
48,090	32,142	15,948	49.6%	5	3	272	379	-107	-28.2%	-16	-13
50,684	36,181	14,503	40.1%	-9	-2	35	16	19	118.8%	47	31
40,238	39,736	502	1.3%	-34	-21	126	202	-76	-37.6%	-40	-20
97,653	68,544	29,109	42.5%	-2	3	207	183	24	13.1%	8	1
NR	21,021					188	263	-75	-28.5%	-20	-12
37,312	25,412	11,899	46.8%	-2	-8	150	126	24	19.1%	5	6
21,173	10,208	10,965	107.4%	57	52	0	0	0	0.0%	0	0
196,749	202,774	-6,026	-3.0%	-13	-5	317	348	-31	-8.9%	-7	-2
NR	NR					125	99	26	26.3%	12	1

Change: Students		SAT Scores					
Institutions with Over \$20 Million in Federal Research, Alphabetically		2002 — SAT Range (V; Q) or ACT Range	1995 — SAT Range (V; Q) or ACT Range	Net Change in SAT	Percent Change in SAT	Net Change in National Rank	Net Change in Control Rank
Public	Arizona State University - Tempe	NR	480-600; 480-600				
Public	Auburn University	490-600; 510-610	520-610; 530-630	-40	-3.5%	-171	-44
Private	Baylor College of Medicine	NA	NA				
Private	Boston College	600-690; 620-710	600-680; 610-690	20	1.6%	-9	-9
Private	Boston University	590-680; 610-690	570-670; 570-660	50	4.1%	33	23
Private	Brandeis University	NR	610-700; 600-690				
Private	Brown University	640-750; 650-750	640-740; 650-730	15	1.1%	-5	-5
Private	California Institute of Technology	710-780; 760-800	670-780; 730-800	35	2.3%	0	0
Private	Carnegie Mellon University	590-700; 680-770	NR				
Private	Case Western Reserve University	590-710; 630-730	600-710; 640-740	-15	-1.1%	-27	-25
Private	Charles R. Drew University of Medicine and Science	NA	NA				
Public	Clemson University	540-640; 590-670	510-600; 530-620	90	8.0%	154	40
Public	Colorado State University	500-600; 500-610	500-600; 520-600	-5	-0.5%	-86	-20
Private	Columbia University	660-760; 660-750	640-750; 630-730	40	2.9%	3	3
Private	Cornell University	620-720; 660-750	610-650; 640-730	30	2.2%	-1	-1
Private	Dartmouth College	650-750; 680-770	660-750; 660-760	10	0.7%	0	0
Public	Desert Research Institute	NR	NR				
Private	Drexel University	520-620; 550-660	490-600; 520-620	60	5.4%	108	85
Private	Duke University	650-740; 670-770	640-730; 650-740	35	2.5%	0	0
Private	Emory University	640-720; 660-740	610-700; 620-700	65	4.9%	16	15
Public	Florida A&M University	450-550; 450-560	NR				
Public	Florida International University	480-570; 480-570	540-660; 510-600	-105	-9.1%	-421	-124
Public	Florida State University	520-620; 520-620	540-640; 540-630	-35	-3.0%	-125	-31
Public	George Mason University	490-600; 500-610	490-600; 490-580	20	1.9%	9	5
Private	George Washington University	580-680; 590-680	580-670; 560-660	30	2.4%	11	8
Private	Georgetown University	640-730; 640-730	620-710; 600; 680	65	5.0%	16	15
Public	Georgia Institute of Technology	600-690; 650-740	600-680; 630-730	20	1.5%	-9	-1
Private	Harvard University	700-790; 700-780	690-790; 680-770	20	1.4%	-1	-1
Private	Howard University	440-670; 410-660	NR				
Public	Indiana University - Bloomington	490-600; 500-610	NR				
Public	Indiana University-Purdue University - Indianapolis	430-550; 440-550	410-530; 400-520	55	5.9%	-8	-1
Public	Iowa State University	510-650; 550-670	22-27	65	5.8%	107	22
Public	Jackson State University	16-20	16-18	40	4.8%	-286	-149
Private	Johns Hopkins University	620-730; 660-760	630-720; 640-740	20	1.5%	-1	-1
Public	Kansas State University	19-25	20-26	-40	-3.7%	-261	-92
Private	Loma Linda University	NA	NA				
Public	Louisiana State University - Baton Rouge	24-29	500-630; 500-630	70	6.2%	121	25
Public	Louisiana State University Health Sciences Center	NA	NA				
Private	Loyola University Chicago	520-630; 520-640	520-630; 520-620	10	0.9%	-10	-4
Private	Massachusetts Institute of Technology	680-760; 740-800	660-750; 720-790	30	2.1%	1	1
Private	MCP Hahnemann University	NA	NA				
Public	Medical College of Georgia	NA	NA				
Private	Medical College of Wisconsin	NA	NA				
Public	Medical University of South Carolina	NA	NA				
Private	Meharry Medical College	NA	NA				
Public	Michigan State University	490-610; 520-640	480-600; 490-620	35	3.2%	56	20

National Merit and Achievement Scholars						Headcount Enrollment			
2003 — National Merit Scholars	1994 — National Merit Scholar	Net Change in Merit Scholars	Percent Change in Merit Scholars	Net Change in National Rank	Net Change in Control Rank	Fall 2002 Total Student Headcount	Fall 1993 Total Student Headcount	Net Change in Enrollment	Percent Change in Enrollment
176	28	148	528.6%	62	30	47,359	41,250	6,109	14.8%
28	22	6	27.3%	10	7	23,276	21,363	1,913	9.0%
NA	NA					1,265	1,116	149	13.4%
16	12	4	33.3%	23	13	14,111	14,586	-475	-3.3%
63	34	29	85.3%	32	17	28,982	28,653	329	1.1%
31	13	18	138.5%	52	24	4,852	3,938	914	23.2%
52	55	-3	-5.5%	-7	-3	7,892	7,655	237	3.1%
50	30	20	66.7%	23	12	2,120	1,992	128	6.4%
34	22	12	54.5%	22	8	9,501	7,259	2,242	30.9%
53	80	-27	-33.8%	-16	-6	9,097	9,255	-158	-1.7%
NA	NA					110	308	-198	-64.3%
33	22	11	50.0%	18	13	16,876	16,609	267	1.6%
13	3	10	333.3%	99	39	29,255	27,384	1,871	6.8%
58	25	33	132.0%	43	25	20,583	19,023	1,560	8.2%
45	53	-8	-15.1%	-16	-9	20,302	22,927	-2,625	-11.4%
52	55	-3	-5.5%	-7	-3	5,593	5,219	374	7.2%
NR	NR					NR	NR		
1	2	-1	-50.0%	-38	-32	16,345	10,205	6,140	60.2%
123	101	22	21.8%	-6	-4	12,488	11,282	1,206	10.7%
49	41	8	19.5%	5	3	11,600	10,367	1,233	11.9%
25	55	-30	-54.5%	-55	-26	12,464	9,876	2,588	26.2%
3	0	3		197	80	33,349	24,321	9,028	37.1%
16	46	-30	-65.2%	-74	-39	36,210	28,575	7,635	26.7%
0	0	0	0.0%	12	20	26,796	21,300	5,496	25.8%
40	67	-27	-40.3%	-43	-23	23,019	18,992	4,027	21.2%
44	36	8	22.2%	5	0	12,856	12,321	535	4.3%
97	128	-31	-24.2%	-13	-4	16,481	12,846	3,635	28.3%
425	468	-43	-9.2%	0	0	24,969	26,007	-1,038	-4.0%
71	43	28	65.1%	17	10	10,517	10,538	-21	-0.2%
13	14	-1	-7.1%	-10	-2	38,903	35,551	3,352	9.4%
0	0	0	0.0%	12	20	29,025	27,552	1,473	5.3%
75	57	18	31.6%	1	-1	27,898	25,413	2,485	9.8%
0	0	0	0.0%	12	20	7,783	6,346	1,437	22.6%
53	49	4	8.2%	0	3	17,989	15,074	2,915	19.3%
22	16	6	37.5%	16	7	22,762	20,050	2,712	13.5%
NA	NA					3,297	2,741	556	20.3%
39	25	14	56.0%	11	7	32,228	26,085	6,143	23.5%
NA	NA					2,039	3,074	-1,035	-33.7%
12	2	10	500.0%	105	65	13,061	14,361	-1,300	-9.1%
174	144	30	20.8%	-2	-3	10,317	9,790	527	5.4%
NA	NA					NR	2,471		
NA	NA					2,453	2,520	-67	-2.7%
NA	NA					1,223	1,167	56	4.8%
NA	NA					2,260	2,312	-52	-2.2%
NA	NA					723	697	26	3.7%
62	42	20	47.6%	14	5	44,937	39,743	5,194	13.1%

Change: Students		SAT Scores					
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		2002 — SAT Range (V; Q) or ACT Range	1995 — SAT Range (V; Q) or ACT Range	Net Change in SAT	Percent Change in SAT	Net Change in National Rank	Net Change in Control Rank
Public	Mississippi State University	20-27	19-27	20	1.9%	10	4
Public	Montana State University - Bozeman	480-600; 500-620	480-600; 490-620	5	0.5%	-52	-12
Private	Morehouse School of Medicine	NA	NA				
Private	Mount Sinai School of Medicine	NA	NA				
Public	New Jersey Institute of Technology	490-590; 550-660	500-610; 560-650	-15	-1.3%	-82	-19
Public	New Mexico State University - Las Cruces	18-23	19-24	-40	-4.0%	-355	-149
Private	New York University	620-710; 630-720	600-690; 590-680	60	4.7%	19	12
Public	North Carolina State University	530-630; 560-670	520-630; 540-650	25	2.1%	8	3
Public	North Dakota State University	470-610; 500-630	NR				
Private	Northeastern University	520-620; 540-640	500-600; 500-600	60	5.5%	132	100
Private	Northwestern University	640-730; 660-750	610-700; 610-720	70	5.3%	16	16
Public	Ohio State University - Columbus	520-620; 540-650	480-600; 480-620	75	6.9%	183	49
Public	Oklahoma State University - Stillwater	500-610; 500-610	500-630; 510-650	-35	-3.1%	-138	-33
Public	Oregon Health & Science University	NA	NA				
Public	Oregon State University	470-580; 480-610	NR				
Public	Pennsylvania State University - Hershey Medical Ctr	NA	NA				
Public	Pennsylvania State University - University Park	530-630; 560-670	540-640; 560-650	0	0.0%	-27	-8
Private	Princeton University	680-770; 700-790	670-780; 670-770	25	1.7%	2	2
Public	Purdue University - West Lafayette	500-610; 530-660	470-590; 500-630	55	5.0%	114	33
Private	Rensselaer Polytechnic Institute	580-680; 640-720	560-670; 620-700	35	2.7%	5	1
Private	Rice University	650-750; 670-770	660-760; 660-770	-5	-0.4%	-4	-4
Private	Rockefeller University	NA	NA				
Private	Rush University	NA	NA				
Public	Rutgers the State University of NJ - New Brunswick	520-630; 550-670	540-650; 560-670	-25	-2.1%	-71	-20
Private	Saint Louis University - St. Louis	530-640; 530-660	23-28	20	1.7%	4	5
Public	San Diego State University	450-560; 460-590	410-530; 420-530	85	9.0%	242	109
Private	Stanford University	660-760; 690-780	670-760; 660-770	15	1.0%	0	0
Public	State Univ. of New York Health Science Ctr - Brooklyn	NA	NA				
Public	Stony Brook University	500-590; 550-650	470-580; 510-610	60	5.5%	150	44
Private	Syracuse University	550-640; 570-660	530-640; 540-650	30	2.5%	25	17
Public	Temple University	480-580; 480-580	450-570; 480-550	35	3.4%	78	38
Public	Texas A&M University	520-630; 550-660	520-630; 550-650	5	0.4%	-25	-9
Public	Texas A&M University System Health Sciences Center	NA	NA				
Public	Texas Tech University	480-590; 500-610	470-580; 480-590	30	2.8%	59	26
Private	Thomas Jefferson University	NA	NA				
Private	Tufts University	610-710; 640-720	600-690; 610-690	45	3.5%	4	2
Private	Tulane University	630-710; 610-700	600-700; 590-660	50	3.9%	14	8
Public	University at Albany	500-600; 520-610	530-620; 550-630	-50	-4.3%	-181	-43
Public	University at Buffalo	500-600; 520-630	510-600; 540-640	-20	-1.7%	-101	-26
Public	University of Alabama - Birmingham	19-25	19-23	40	4.0%	74	33
Public	University of Alabama - Huntsville	500-630; 510-640	510-640; 520-630	-10	-0.9%	-67	-18
Public	University of Alabama - Tuscaloosa	490-620; 490-620	20-26	40	3.7%	95	35
Public	University of Alaska - Fairbanks	460-590; 450-580	460-610; 450-600	-20	-1.9%	-175	-53
Public	University of Arizona	490-600; 500-620	490-600; 480-610	15	1.4%	-12	3
Public	University of Arkansas - Fayetteville	510-640; 520-650	18-27	110	10.5%	323	101
Public	University of Arkansas for Medical Sciences	NA	NA				

National Merit and Achievement Scholars						Headcount Enrollment			
2003 — National Merit Scholars	1994 — National Merit Scholar	Net Change in Merit Scholars	Percent Change in Merit Scholars	Net Change in National Rank	Net Change in Control Rank	Fall 2002 Total Student Headcount	Fall 1993 Total Student Headcount	Net Change in Enrollment	Percent Change in Enrollment
25	13	12	92.3%	45	23	16,610	14,429	2,181	15.1%
5	0	5	0.0%	228	93	11,841	10,768	1,073	10.0%
NA	NA					228	161	67	41.6%
NA	NA					625	533	92	17.3%
0	0	0	0.0%	12	20	8,828	7,551	1,277	16.9%
0	2	-2	-100.0%	-160	-47	15,243	15,788	-545	-3.5%
155	42	113	269.0%	32	17	38,096	33,309	4,787	14.4%
33	12	21	175.0%	62	34	29,637	27,810	1,827	6.6%
4	5	-1	-20.0%	-4	0	11,146	9,460	1,686	17.8%
3	6	-3	-50.0%	-34	-23	23,357	26,554	-3,197	-12.0%
100	99	1	1.0%	-8	-5	17,528	17,551	-23	-0.1%
103	95	8	8.4%	-4	-2	49,676	50,623	-947	-1.9%
20	22	-2	-9.1%	-9	-5	23,220	19,153	4,067	21.2%
NA	NA					2,524	1,376	1,148	83.4%
11	3	8	266.7%	82	33	18,764	14,332	4,432	30.9%
NA	NA					675	574	101	17.6%
20	29	-9	-31.0%	-31	-17	41,445	37,658	3,787	10.1%
190	149	41	27.5%	2	0	6,646	6,592	54	0.8%
94	24	70	291.7%	58	28	40,117	37,094	3,023	8.1%
16	22	-6	-27.3%	-21	-10	7,670	6,762	908	13.4%
182	247	-65	-26.3%	-6	-5	4,633	4,265	368	8.6%
NA	NA					176	134	42	31.3%
NA	NA					1,232	1,344	-112	-8.3%
16	25	-9	-36.0%	-35	-19	35,886	33,568	2,318	6.9%
17	11	6	54.5%	36	22	14,004	13,335	669	5.0%
0	0	0	0.0%	12	20	34,304	28,131	6,173	21.9%
263	196	67	34.2%	2	1	18,297	15,980	2,317	14.5%
NA	NA					1,430	1,695	-265	-15.6%
2	0	2	0.0%	174	75	21,989	17,205	4,784	27.8%
1	7	-6	-85.7%	-111	-78	18,604	19,353	-749	-3.9%
0	0	0	0.0%	12	20	32,359	30,040	2,319	7.7%
140	199	-59	-29.6%	-14	-4	45,083	42,524	2,559	6.0%
NA	NA					1,050	NA		
17	14	3	21.4%	12	4	27,569	24,007	3,562	14.8%
NA	NA					2,262	2,732	-470	-17.2%
41	17	24	141.2%	48	23	9,432	8,232	1,200	14.6%
49	58	-9	-15.5%	-18	-8	12,206	10,740	1,466	13.6%
0	0	0	0.0%	12	20	17,426	16,759	667	4.0%
0	6	-6	-100.0%	-219	-71	26,168	25,635	533	2.1%
7	3	4	133.3%	57	25	15,579	15,913	-334	-2.1%
2	0	2	0.0%	174	75	7,045	8,232	-1,187	-14.4%
45	59	-14	-23.7%	-26	-13	19,584	19,480	104	0.5%
2	14	-12	-85.7%	-125	-40	7,661	7,926	-265	-3.3%
59	45	14	31.1%	8	1	36,847	35,279	1,568	4.4%
41	19	22	115.8%	42	23	15,995	14,280	1,715	12.0%
NA	NA					2,016	1,828	188	10.3%

Change: Students		SAT Scores					
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		2002 — SAT Range (V; Q) or ACT Range	1995 — SAT Range (V; Q) or ACT Range	Net Change in SAT	Percent Change in SAT	Net Change in National Rank	Net Change in Control Rank
Public	University of California - Berkeley	570-700; 610-740	570-700; 610-730	5	0.4%	-20	-3
Public	University of California - Davis	510-630; 560-670	500-620; 540-650	30	2.6%	31	5
Public	University of California - Irvine	510-620; 560-670	460-580; 530-640	75	6.8%	154	36
Public	University of California - Los Angeles	550-670; 590-720	540-660; 560-680	45	3.7%	24	6
Public	University of California - Riverside	440-560; 490-620	450-590; 480-620	-15	-1.4%	-139	-43
Public	University of California - San Diego	560-660; 610-710	520-640; 550-650	90	7.6%	92	29
Public	University of California - San Francisco	NA	NA				
Public	University of California - Santa Barbara	510-620; 550-660	490-600; 520-620	55	4.9%	100	21
Public	University of California - Santa Cruz	500-620; 520-630	510-630; 500-620	5	0.4%	-32	-13
Public	University of Central Florida	510-610; 520-620	510-600; 520-610	10	0.9%	-26	-7
Private	University of Chicago	660-750; 650-750	630-750; 640-720	35	2.6%	1	1
Public	University of Cincinnati - Cincinnati	460-590; 460-610	490-600; 490-630	-45	-4.1%	-250	-75
Public	University of Colorado - Boulder	520-620; 540-640	520-620; 530-640	5	0.4%	-20	-9
Public	University of Colorado Health Sciences Center	NA	NA				
Public	University of Connecticut - Health Center	NA	NA				
Public	University of Connecticut - Storrs	520-610; 530-630	500-600; 510-620	30	2.7%	33	7
Private	University of Dayton	500-610; 510-630	530-640; 550-650	-60	-5.1%	-192	-145
Public	University of Delaware	530-620; 550-650	530-610; 530-630	25	2.2%	22	2
Public	University of Florida	550-660; 580-680	570-670; 590-680	-20	-1.6%	-35	-5
Public	University of Georgia	550-650; 560-650	560-650; 550-640	5	0.4%	-23	-7
Public	University of Hawaii - Manoa	470-570; 510-610	460-580; 500-610	5	0.5%	-45	-11
Public	University of Houston - University Park	450-560; 470-590	500-640; 500-600	-85	-7.6%	-417	-138
Public	University of Idaho	480-610; 490-610	490-600; 490-600	5	0.5%	-50	-12
Public	University of Illinois - Chicago	20-25	450-580; 490-610	-15	-1.4%	-122	-30
Public	University of Illinois - Urbana-Champaign	550-670; 600-720	560-660; 590-690	20	1.6%	4	6
Public	University of Iowa	520-650; 540-660	530-640; 530-640	15	1.3%	-6	-1
Public	University of Kansas - Lawrence	21-27	20-26	40	3.7%	95	35
Public	University of Kansas Medical Center	NA	NA				
Public	University of Kentucky	500-620; 510-630	22-27	5	0.4%	-43	-12
Public	University of Louisville	490-620; 490-620	18-27	60	5.7%	176	69
Public	University of Maine - Orono	480-590; 490-610	500-600; 490-610	-15	-1.4%	-126	-38
Public	University of Maryland - Baltimore	NA	NA				
Public	University of Maryland - Baltimore County	540-640; 570-670	530-650; 550-650	20	1.7%	11	5
Public	University of Maryland - College Park	570-670; 600-700	520-630; 540-650	100	8.5%	107	35
Public	University of Massachusetts - Amherst	500-620; 510-630	500-600; 500-600	30	2.7%	38	13
Public	University of Massachusetts Medical Sch - Worcester	NA	NA				
Public	University of Medicine & Dentistry of New Jersey	NA	NA				
Private	University of Miami	590-650; 570-670	510-630; 520-630	95	8.3%	147	106
Public	University of Michigan - Ann Arbor	570-670; 610-720	570-670; 600-690	20	1.6%	5	6
Public	University of Minnesota - Twin Cities	540-660; 550-670	480-580; 520-600	120	11.0%	265	75
Public	University of Mississippi - Oxford	20-26	20-25	20	1.9%	11	19
Public	University of Missouri - Columbia	24-29	23-29	20	1.7%	7	0
Public	University of Montana - Missoula	490-600; 460-570	480-600; 470-590	-10	-0.9%	-124	-35
Public	University of Nebraska - Lincoln	500-640; 520-660	19-25	130	12.6%	397	124
Public	University of Nebraska Medical Center	NA	NA				
Public	University of Nevada - Las Vegas	430-560; 450-570	420-540; 430-570	25	2.6%	-23	-11

National Merit and Achievement Scholars						Headcount Enrollment			
2003 — National Merit Scholars	1994 — National Merit Scholar	Net Change in Merit Scholars	Percent Change in Merit Scholars	Net Change in National Rank	Net Change in Control Rank	Fall 2002 Total Student Headcount	Fall 1993 Total Student Headcount	Net Change in Enrollment	Percent Change in Enrollment
69	40	29	72.5%	25	12	33,145	30,341	2804	9.2%
15	26	-11	-42.3%	-48	-23	29,087	22,476	6611	29.4%
26	9	17	188.9%	70	31	23,779	16,815	6964	41.4%
127	45	82	182.2%	23	10	37,599	34,446	3153	9.2%
0	4	-4	-100.0%	-196	-62	15,934	8,677	7257	83.6%
59	5	54	1080.0%	167	68	23,528	17,851	5677	31.8%
NA	NA					3,527	3,731	-204	-5.5%
13	5	8	160.0%	69	25	20,559	18,581	1978	10.6%
4	4	0	0.0%	8	6	14,139	10,173	3966	39.0%
34	11	23	209.1%	75	37	38,501	23,692	14809	62.5%
191	117	74	63.2%	7	4	13,177	11,226	1951	17.4%
10	14	-4	-28.6%	-35	-11	26,552	28,662	-2110	-7.4%
3	8	-5	-62.5%	-62	-18	31,415	28,352	3063	10.8%
NA	NA					2,824	2,405	419	17.4%
NA	NA					469	467	2	0.4%
1	3	-2	-66.7%	-56	-13	21,427	23,182	-1755	-7.6%
16	16	0	0.0%	0	2	10,126	10,791	-665	-6.2%
8	22	-14	-63.6%	-73	-26	21,289	21,735	-446	-2.1%
284	156	128	82.1%	6	3	47,373	37,324	10049	26.9%
86	45	41	91.1%	16	6	32,941	28,753	4188	14.6%
0	1	-1	-100.0%	-118	-28	18,696	20,061	-1365	-6.8%
28	65	-37	-56.9%	-60	-29	34,443	32,124	2319	7.2%
11	2	9	450.0%	100	40	12,424	11,543	881	7.6%
6	0	6	0.0%	236	97	26,138	25,445	693	2.7%
43	23	20	87.0%	31	16	39,999	38,912	1087	2.8%
23	23	0	0.0%	-3	-2	29,697	27,688	2009	7.3%
51	38	13	34.2%	14	7	26,458	26,127	331	1.3%
NA	NA					1,738	2,735	-997	-36.5%
45	82	-37	-45.1%	-32	-15	24,985	23,670	1315	5.6%
13	15	-2	-13.3%	-11	-3	20,416	21,172	-756	-3.6%
3	4	-1	-25.0%	-11	-2	11,135	11,343	-208	-1.8%
NA	NA					5,470	5,238	232	4.4%
6	7	-1	-14.3%	-9	3	11,711	10,667	1044	9.8%
52	42	10	23.8%	8	2	34,801	32,441	2360	7.3%
2	1	1	100.0%	44	27	24,062	24,234	-172	-0.7%
NA	NA					732	639	93	14.6%
NA	NA					4,680	3,919	761	19.4%
34	13	21	161.5%	61	28	14,978	13,842	1136	8.2%
66	59	7	11.9%	-5	-5	38,972	36,845	2127	5.8%
40	36	4	11.1%	-4	1	48,677	51,880	-3203	-6.2%
33	9	24	266.7%	80	39	13,135	10,720	2415	22.5%
18	37	-19	-51.4%	-49	-24	26,124	22,225	3899	17.5%
4	1	3	300.0%	86	40	13,026	10,828	2198	20.3%
52	23	29	126.1%	51	23	22,988	24,491	-1503	-6.1%
NA	NA					2,819	2,695	124	4.6%
0	0	0	0.0%	12	20	24,679	18,534	6145	33.2%



Change: Students		SAT Scores					
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		2002 — SAT Range (V; Q) or ACT Range	1995 — SAT Range (V; Q) or ACT Range	Net Change in SAT	Percent Change in SAT	Net Change in National Rank	Net Change in Control Rank
Public	University of Nevada - Reno	470-580; 480-590	450-580; 560-650	-60	-5.4%	-298	-90
Public	University of New Hampshire - Durham	500-590; 510-610	510-600; 510-610	-10	-0.9%	-99	-27
Public	University of New Mexico - Albuquerque	510-630; 480-600	470-600; 490-590	35	3.3%	83	30
Public	University of North Carolina - Chapel Hill	580-680; 600-690	560-670; 560-660	50	4.1%	30	10
Public	University of North Dakota	470-570; 500-590	460-600; 480-620	-15	-1.4%	-134	-36
Private	University of Notre Dame	620-720; 650-730	600-690; 630-720	40	3.0%	3	3
Public	University of Oklahoma - Norman	23-28	21-27	50	4.5%	94	23
Public	University of Oklahoma Health Sciences Center	NA	NA				
Public	University of Oregon	490-610; 490-610	500-610; 490-620	-10	-0.9%	-108	-28
Private	University of Pennsylvania	650-740; 680-760	620-710; 650-730	60	4.4%	9	9
Public	University of Pittsburgh - Pittsburgh	540-640; 560-650	500-600; 500-600	95	8.6%	197	50
Public	University of Puerto Rico - Medical Sciences	NA	NA				
Public	University of Rhode Island	490-590; 500-610	490-590; 490-590	15	1.4%	-7	-2
Private	University of Rochester	590-690; 620-720	560-670; 580-680	65	5.2%	35	23
Public	University of South Carolina - Columbia	500-610; 510-620	480-600; 480-590	45	4.2%	109	35
Public	University of South Florida	470-570; 480-580	500-610; 500-610	-75	-6.7%	-350	-108
Private	University of Southern California	600-700; 640-720	520-650; 550-660	140	11.8%	117	85
Public	University of Southern Mississippi	18-24	19-23	0	0.0%	-150	-63
Public	University of Tennessee - Knoxville	500-600; 500-610	490-610; 490-610	5	0.5%	-48	-11
Public	University of Texas - Austin	540-650; 570-680	540-650; 560-660	15	1.2%	-1	4
Public	University of Texas Health Science Center - Houston	NA	NA				
Public	University of Texas Health Science Ctr - San Antonio	NA	NA				
Public	University of Texas MD Anderson Cancer Center	NA	NA				
Public	University of Texas Medical Branch - Galveston	NA	NA				
Public	University of Texas SW Medical Center - Dallas	NA	NA				
Public	University of Utah	20-28	500-650; 500-650	-40	-3.5%	-152	-37
Public	University of Vermont	520-620; 520-620	510-600; 510-610	25	2.2%	19	3
Public	University of Virginia	600-700; 620-720	600-690; 610-700	20	1.5%	-11	0
Public	University of Washington - Seattle	510-630; 550-660	500-620; 520-650	30	2.6%	36	6
Public	University of Wisconsin - Madison	560-680; 590-710	550-660; 570-660	50	4.1%	32	11
Public	University of Wyoming	460-580; 480-600	20-26	-10	-0.9%	-124	-35
Public	US Naval Postgraduate School	NA	NA				
Public	Utah State University	490-600; 480-610	17-26	80	7.9%	252	91
Private	Vanderbilt University	610-700; 640-720	600-680; 620-690	40	3.1%	0	-1
Public	Virginia Commonwealth University	470-590; 460-580	450-570; 430-550	50	5.0%	152	66
Public	Virginia Polytechnic Institute and State University	530-630; 550-660	520-620; 530-640	30	2.6%	31	5
Private	Wake Forest University	600-680; 620-710	580-670; 630-690	20	1.6%	-11	-11
Public	Washington State University - Pullman	470-580; 480-590	450-570; 460-580	30	2.9%	31	22
Private	Washington University in St. Louis	640-730; 670-750	580-680; 600-700	115	9.0%	46	38
Public	Wayne State University	17-24	16-24	20	2.1%	-113	-45
Public	West Virginia University	460-560; 470-580	NR				
Private	Woods Hole Oceanographic Institution	NA	NA				
Private	Yale University	680-780; 690-780	680-780; 670-770	15	1.0%	-1	-1
Private	Yeshiva University	590-690; 580-680	590-690; 570-670	10	0.8%	-4	-9

National Merit and Achievement Scholars						Headcount Enrollment			
2003 — National Merit Scholars	1994 — National Merit Scholar	Net Change in Merit Scholars	Percent Change in Merit Scholars	Net Change in National Rank	Net Change in Control Rank	Fall 2002 Total Student Headcount	Fall 1993 Total Student Headcount	Net Change in Enrollment	Percent Change in Enrollment
1	1	0	0.0%	4	13	15,093	12,002	3,091	25.8%
1	4	-3	-75.0%	-74	-21	15,407	13,942	1,465	10.5%
4	2	2	100.0%	44	21	24,593	25,663	-1,070	-4.2%
151	49	102	208.2%	21	10	26,028	24,334	1,694	7.0%
5	11	-6	-54.5%	-47	-12	12,423	11,635	788	6.8%
47	26	21	80.8%	27	13	11,311	10,123	1,188	11.7%
174	177	-3	-1.7%	-5	-1	26,263	21,696	4,567	21.0%
NA	NA					2,949	3,128	-179	-5.7%
11	14	-3	-21.4%	-27	-8	19,997	16,877	3,120	18.5%
121	44	77	175.0%	24	12	22,769	22,469	300	1.3%
13	4	9	225.0%	81	31	27,190	27,528	-338	-1.2%
NA	NA					2,460	2,970	-510	-17.2%
0	0	0	0.0%	12	20	14,180	14,925	-745	-5.0%
23	9	14	155.6%	62	35	8,516	9,743	-1,227	-12.6%
47	24	23	95.8%	34	17	25,140	26,710	-1,570	-5.9%
23	24	-1	-4.2%	-10	-5	38,854	34,768	4,086	11.8%
177	84	93	110.7%	9	5	30,682	27,658	3,024	10.9%
4	7	-3	-42.9%	-29	-6	15,267	12,936	2,331	18.0%
25	32	-7	-21.9%	-22	-10	27,971	26,397	1,574	6.0%
263	259	4	1.5%	-1	-1	52,261	48,555	3,706	7.6%
NA	NA					3,331	3,279	52	1.6%
NA	NA					2,727	2,664	63	2.4%
NA	NA					NR	NR		
NA	NA					1,938	2,248	-310	-13.8%
NA	NA					1,646	1,680	-34	-2.0%
23	40	-17	-42.5%	-38	-18	28,369	27,113	1,256	4.6%
2	0	2	0.0%	174	75	10,314	10,617	-303	-2.9%
43	57	-14	-24.6%	-30	-14	23,144	21,394	1,750	8.2%
44	31	13	41.9%	10	7	39,882	34,000	5,882	17.3%
29	27	2	7.4%	-8	-2	40,884	39,999	885	2.2%
4	7	-3	-42.9%	-29	-6	12,745	12,012	733	6.1%
NA	NA					NR	1,823		
13	12	1	8.3%	5	6	22,848	17,556	5,292	30.1%
159	98	61	62.2%	3	2	10,712	9,785	927	9.5%
1	2	-1	-50.0%	-38	-6	26,009	21,854	4,155	19.0%
22	56	-34	-60.7%	-67	-33	28,027	26,030	1,997	7.7%
15	26	-11	-42.3%	-48	-25	6,410	5,572	838	15.0%
6	9	-3	-33.3%	-30	-5	21,880	18,822	3,058	16.2%
189	46	143	310.9%	32	19	12,767	11,671	1,096	9.4%
0	0	0	0.0%	12	20	31,167	34,280	-3,113	-9.1%
16	19	-3	-15.8%	-11	-5	23,492	23,080	412	1.8%
NA	NA					NR	NR		
254	190	64	33.7%	1	1	11,378	10,954	424	3.9%
2	4	-2	-50.0%	-34	-27	5,989	4,989	1,000	20.0%

Institutional Characteristics				
	Institutions with Over \$20 Million in Federal Research, Alphabetically	State	Highest Degree Offered	Has a Medical School
Public	Arizona State University - Tempe	AZ	Doctoral and First-Professional	
Public	Auburn University	AL	Doctoral and First-Professional	
Private	Baylor College of Medicine	TX	Doctoral and First-Professional	Yes
Private	Boston College	MA	Doctoral and First-Professional	
Private	Boston University	MA	Doctoral and First-Professional	Yes
Private	Brandeis University	MA	Doctoral	
Private	Brown University	RI	Doctoral and First-Professional	Yes
Private	California Institute of Technology	CA	Doctoral	
Private	Carnegie Mellon University	PA	Doctoral	
Private	Case Western Reserve University	OH	Doctoral and First-Professional	Yes
Private	Charles R. Drew University of Medicine and Science	NJ	Doctoral and First-Professional	
Public	Clemson University	SC	Doctoral	
Public	Colorado State University	CO	Doctoral and First-Professional	
Private	Columbia University	NY	Doctoral and First-Professional	Yes
Private	Cornell University	NY	Doctoral and First-Professional	Yes
Private	Dartmouth College	NH	Doctoral and First-Professional	Yes
Public	Desert Research Institute	NV	Non-Degree Granting	
Private	Drexel University	PA	Doctoral	Yes
Private	Duke University	NC	Doctoral and First-Professional	Yes
Private	Emory University	GA	Doctoral and First-Professional	Yes
Public	Florida A&M University	FL	Doctoral and First-Professional	
Public	Florida International University	FL	Doctoral	
Public	Florida State University	FL	Doctoral and First-Professional	Yes
Public	George Mason University	VA	Doctoral and First-Professional	
Private	George Washington University	DC	Doctoral and First-Professional	Yes
Private	Georgetown University	DC	Doctoral and First-Professional	Yes
Public	Georgia Institute of Technology	GA	Doctoral	
Private	Harvard University	MA	Doctoral and First-Professional	Yes
Private	Howard University	DC	Doctoral and First-Professional	Yes
Public	Indiana University - Bloomington	IN	Doctoral and First-Professional	
Public	Indiana University-Purdue University - Indianapolis	IN	Doctoral and First-Professional	Yes
Public	Iowa State University	IA	Doctoral and First-Professional	
Public	Jackson State University	MS	Doctoral	
Private	Johns Hopkins University	MD	Doctoral and First-Professional	Yes
Public	Kansas State University	KS	Doctoral and First-Professional	
Private	Loma Linda University	CA	Doctoral and First-Professional	Yes
Public	Louisiana State University - Baton Rouge	LA	Doctoral and First-Professional	
Public	Louisiana State University Health Sciences Center	LA	Doctoral and First-Professional	Yes
Private	Loyola University Chicago	IL	Doctoral and First-Professional	Yes
Private	Massachusetts Institute of Technology	MA	Doctoral and First-Professional	
Private	MCP Hahnemann University	PA	Doctoral and First-Professional	Yes
Public	Medical College of Georgia	GA	Doctoral and First-Professional	Yes
Private	Medical College of Wisconsin	WI	Doctoral and First-Professional	Yes
Public	Medical University of South Carolina	SC	Doctoral and First-Professional	Yes
Private	Meharry Medical College	TN	Doctoral and First-Professional	Yes
Public	Michigan State University	MI	Doctoral and First-Professional	Yes

Federal Land Grant Institution	Federal Research Focus	Total Student Enrollment Fall 2002
	Moderate Engineering	47,359
Yes	Moderate Engineering and Life Sciences	23,276
	All Life Sciences	1,265
	Moderate Physical Sciences and Math	14,111
	Strong Life Sciences	28,982
	Strong Life Sciences	4,852
	Strong Life Sciences	7,892
	Strong Physical Sciences	2,120
	Strong Computer Sciences	9,501
	Heavy Life Sciences	9,097
	All Life Sciences	110
Yes	Strong Engineering	16,876
Yes	Moderate Life Sciences	29,255
	Heavy Life Sciences	20,583
Yes	Strong Life Sciences	20,302
	Strong Life Sciences	5,593
	All Other Sciences	NR
	Heavy Engineering	16,345
	Heavy Life Sciences	12,488
	All Life Sciences	11,600
Yes	Moderate Life and Other Sciences	12,464
	Moderate Engineering	33,349
	Moderate Physical Sciences	36,210
	Moderate Engineering	26,796
	Moderate Life Sciences	23,019
	Heavy Life Sciences	12,856
	Strong Engineering	16,481
	Heavy Life Sciences	24,969
	Strong Life Sciences	10,517
	Strong Life Sciences	38,903
	Strong Life Sciences	29,025
Yes	Moderate Life Sciences and Engineering	27,898
	Moderate Life Sciences	7,783
	Moderate Life Sciences and Engineering	17,989
Yes	Strong Life Sciences	22,762
	Heavy Life Sciences	3,297
Yes-System	Moderate Life Sciences and Engineering	32,228
No-System	All Life Sciences	2,039
	Heavy Life Sciences	13,061
	Moderate Physical Sciences and Engineering	10,317
	All Life Sciences	NR
	All Life Sciences	2,453
	All Life Sciences	1,223
	All Life Sciences	2,260
	All Life Sciences	723
Yes	Strong Life Sciences	44,937

Institutional Characteristics				
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		State	Highest Degree Offered	Has a Medical School
Public	Mississippi State University	MS	Doctoral and First-Professional	
Public	Montana State University - Bozeman	MT	Doctoral	
Private	Morehouse School of Medicine	GA	Doctoral and First-Professional	Yes
Private	Mount Sinai School of Medicine	NY	Doctoral and First-Professional	Yes
Public	New Jersey Institute of Technology	NJ	Doctoral	
Public	New Mexico State University - Las Cruces	NM	Doctoral	
Private	New York University	NY	Doctoral and First-Professional	
Public	North Carolina State University	NC	Doctoral and First-Professional	
Public	North Dakota State University	ND	Doctoral and First-Professional	
Private	Northeastern University	MA	Doctoral and First-Professional	
Private	Northwestern University	IL	Doctoral and First-Professional	Yes
Public	Ohio State University - Columbus	OH	Doctoral and First-Professional	Yes
Public	Oklahoma State University - Stillwater	OK	Doctoral and First-Professional	
Public	Oregon Health & Science University	OR	Doctoral and First-Professional	Yes
Public	Oregon State University	OR	Doctoral and First-Professional	
Public	Pennsylvania State University - Hershey Medical Ctr	PA	Doctoral and First-Professional	Yes
Public	Pennsylvania State University - University Park	PA	Doctoral	
Private	Princeton University	NJ	Doctoral	
Public	Purdue University - West Lafayette	IN	Doctoral and First-Professional	
Private	Rensselaer Polytechnic Institute	NY	Doctoral	
Private	Rice University	TX	Doctoral	
Private	Rockefeller University	NY	Doctoral	
Private	Rush University	IL	Doctoral and First-Professional	Yes
Public	Rutgers the State University of NJ - New Brunswick	NJ	Doctoral and First-Professional	
Private	Saint Louis University - St. Louis	MO	Doctoral and First-Professional	Yes
Public	San Diego State University	CA	Doctoral	
Private	Stanford University	CA	Doctoral and First-Professional	Yes
Public	State Univ. of New York Health Science Ctr - Brooklyn	NY	Doctoral and First-Professional	Yes
Public	Stony Brook University	NY	Doctoral and First-Professional	Yes
Private	Syracuse University	NY	Doctoral and First-Professional	
Public	Temple University	PA	Doctoral and First-Professional	Yes
Public	Texas A&M University	TX	Doctoral and First-Professional	
Public	Texas A&M University System Health Sciences Center	TX	Doctoral and First-Professional	Yes
Public	Texas Tech University	TX	Doctoral and First-Professional	
Private	Thomas Jefferson University	PA	Doctoral and First-Professional	Yes
Private	Tufts University	MA	Doctoral and First-Professional	Yes
Private	Tulane University	LA	Doctoral and First-Professional	Yes
Public	University at Albany	NY	Doctoral	
Public	University at Buffalo	NY	Doctoral and First-Professional	Yes
Public	University of Alabama - Birmingham	AL	Doctoral and First-Professional	Yes
Public	University of Alabama - Huntsville	AL	Doctoral	
Public	University of Alabama - Tuscaloosa	AL	Doctoral and First-Professional	
Public	University of Alaska - Fairbanks	AK	Doctoral	
Public	University of Arizona	AZ	Doctoral and First-Professional	Yes
Public	University of Arkansas - Fayetteville	AR	Doctoral and First-Professional	
Public	University of Arkansas for Medical Sciences	AR	Doctoral and First-Professional	Yes

Federal Land Grant Institution	Federal Research Focus	Total Student Enrollment Fall 2002
Yes	Strong Engineering	16,610
Yes	Moderate Life Sciences	11,841
	All Life Sciences	228
	All Life Sciences	625
	Strong Engineering	8,828
Yes	Strong Engineering	15,243
	Heavy Life Sciences	38,096
Yes	Moderate Life Sciences and Engineering	29,637
Yes	Moderate Life Sciences	11,146
	Moderate Physical Sciences and Engineering	23,357
	Strong Life Sciences	17,528
Yes	Strong Life Sciences	49,676
Yes	Moderate Life Sciences and Engineering	23,220
	All Life Sciences	2,524
Yes	Strong Life Sciences	18,764
	All Life Sciences	675
Yes	Strong Engineering	41,445
	Moderate Engineering	6,646
Yes	Moderate Life Sciences and Engineering	40,117
	Strong Engineering	7,670
	Moderate Physical Sciences	4,633
	Heavy Life Sciences	176
	All Life Sciences	1,232
Yes	Moderate Life Sciences	35,886
	All Life Sciences	14,004
	Strong Life Sciences	34,304
	Strong Life Sciences	18,297
	All Life Sciences	1,430
	Strong Life Sciences	21,989
	Moderate Other Sciences	18,604
	Strong Life Sciences	32,359
Yes	Moderate Life Sciences and Engineering	45,083
	All Life Sciences	1,050
	Moderate Environmental Sciences and Engineering	27,569
	All Life Sciences	2,262
	Heavy Life Sciences	9,432
	Heavy Life Sciences	12,206
	Heavy Life Sciences	17,426
	Strong Life Sciences	26,168
	Heavy Life Sciences	15,579
	Moderate Physical Sciences and Engineering	7,045
	Strong Engineering	19,584
Yes-System	Strong Life Sciences	7,661
Yes	Strong Life Sciences	36,847
Yes	Moderate Life and Physical Sciences	15,995
	All Life Sciences	2,016

Institutional Characteristics				
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		State	Highest Degree Offered	Has a Medical School
Public	University of California - Berkeley	CA	Doctoral and First-Professional	
Public	University of California - Davis	CA	Doctoral and First-Professional	Yes
Public	University of California - Irvine	CA	Doctoral and First-Professional	Yes
Public	University of California - Los Angeles	CA	Doctoral and First-Professional	Yes
Public	University of California - Riverside	CA	Doctoral and First-Professional	
Public	University of California - San Diego	CA	Doctoral and First-Professional	Yes
Public	University of California - San Francisco	CA	Doctoral and First-Professional	Yes
Public	University of California - Santa Barbara	CA	Doctoral	
Public	University of California - Santa Cruz	CA	Doctoral	
Public	University of Central Florida	FL	Doctoral	
Private	University of Chicago	IL	Doctoral and First-Professional	Yes
Public	University of Cincinnati - Cincinnati	OH	Doctoral and First-Professional	Yes
Public	University of Colorado - Boulder	CO	Doctoral and First-Professional	
Public	University of Colorado Health Sciences Center	CO	Doctoral and First-Professional	Yes
Public	University of Connecticut - Health Center	CT	Doctoral and First-Professional	Yes
Public	University of Connecticut - Storrs	CT	Doctoral and First-Professional	
Private	University of Dayton	OH	Doctoral and First-Professional	
Public	University of Delaware	DE	Doctoral	
Public	University of Florida	FL	Doctoral and First-Professional	Yes
Public	University of Georgia	GA	Doctoral and First-Professional	
Public	University of Hawaii - Manoa	HI	Doctoral and First-Professional	Yes
Public	University of Houston - University Park	TX	Doctoral and First-Professional	
Public	University of Idaho	ID	Doctoral and First-Professional	
Public	University of Illinois - Chicago	IL	Doctoral and First-Professional	Yes
Public	University of Illinois - Urbana-Champaign	IL	Doctoral and First-Professional	
Public	University of Iowa	IA	Doctoral and First-Professional	Yes
Public	University of Kansas - Lawrence	KS	Doctoral and First-Professional	
Public	University of Kansas Medical Center	KS	Doctoral and First-Professional	Yes
Public	University of Kentucky	KY	Doctoral and First-Professional	Yes
Public	University of Louisville	KY	Doctoral and First-Professional	Yes
Public	University of Maine - Orono	ME	Doctoral	
Public	University of Maryland - Baltimore	MD	Doctoral and First-Professional	Yes
Public	University of Maryland - Baltimore County	MD	Doctoral	
Public	University of Maryland - College Park	MD	Doctoral and First-Professional	
Public	University of Massachusetts - Amherst	MA	Doctoral	
Public	University of Massachusetts Medical Sch - Worcester	MA	Doctoral and First-Professional	Yes
Public	University of Medicine & Dentistry of New Jersey	NJ	Doctoral and First-Professional	Yes
Private	University of Miami	FL	Doctoral and First-Professional	Yes
Public	University of Michigan - Ann Arbor	MI	Doctoral and First-Professional	Yes
Public	University of Minnesota - Twin Cities	MN	Doctoral and First-Professional	Yes
Public	University of Mississippi - Oxford	MS	Doctoral and First-Professional	
Public	University of Missouri - Columbia	MO	Doctoral and First-Professional	Yes
Public	University of Montana - Missoula	MT	Doctoral and First-Professional	
Public	University of Nebraska - Lincoln	NE	Doctoral and First-Professional	
Public	University of Nebraska Medical Center	NE	Doctoral and First-Professional	Yes
Public	University of Nevada - Las Vegas	NV	Doctoral and First-Professional	

Federal Land Grant Institution	Federal Research Focus	Total Student Enrollment Fall 2002
Yes-System	Moderate Life Sciences, Physical Sciences, and Engineering	33,145
Yes-System	Strong Life Sciences	29,087
No-System	Strong Life Sciences	23,779
No-System	Strong Life Sciences	37,599
Yes-System	Moderate Life Sciences	15,934
No-System	Strong Life Sciences	23,528
No-System	Heavy Life Sciences	3,527
No-System	Moderate Physical Sciences and Engineering	20,559
No-System	Strong Physical Sciences	14,139
	Moderate Physical Sciences	38,501
	Heavy Life Sciences	13,177
	Heavy Life Sciences	26,552
	Moderate Life and Physical Sciences	31,415
	All Life Sciences	2,824
	All Life Sciences	469
Yes	Strong Life Sciences	21,427
	All Engineering	10,126
Yes	Moderate Engineering	21,289
Yes	Strong Life Sciences	47,373
Yes	Heavy Life Sciences	32,941
Yes	Moderate Life Sciences	18,696
	Moderate Life Sciences and Engineering	34,443
Yes	Strong Life Sciences	12,424
	Heavy Life Sciences	26,138
Yes	Moderate Engineering and Computer Sciences	39,999
	Heavy Life Sciences	29,697
	Strong Life Sciences	26,458
	All Life Sciences	1,738
Yes	Strong Life Sciences	24,985
	Heavy Life Sciences	20,416
Yes	Moderate Life Sciences and Engineering	11,135
	All Life Sciences	5,470
	Moderate Physical Sciences and Engineering	11,711
Yes	Moderate Physical Sciences	34,801
Yes	Moderate Life and Physical Sciences	24,062
	All Life Sciences	732
	All Life Sciences	4,680
	Heavy Life Sciences	14,978
	Strong Life Sciences	38,972
Yes	Heavy Life Sciences	48,677
	Moderate Life and Physical Sciences	13,135
Yes-System	Heavy Life Sciences	26,124
	Heavy Life Sciences	13,026
Yes-System	Moderate Life Sciences	22,988
No-System	All Life Sciences	2,819
	Strong Environmental Sciences	24,679



Institutional Characteristics				
	Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)	State	Highest Degree Offered	Has a Medical School
Public	University of Nevada - Reno	NV	Doctoral and First-Professional	Yes
Public	University of New Hampshire - Durham	NH	Doctoral	
Public	University of New Mexico - Albuquerque	NM	Doctoral and First-Professional	Yes
Public	University of North Carolina - Chapel Hill	NC	Doctoral and First-Professional	Yes
Public	University of North Dakota	ND	Doctoral and First-Professional	Yes
Private	University of Notre Dame	IN	Doctoral and First-Professional	
Public	University of Oklahoma - Norman	OK	Doctoral and First-Professional	
Public	University of Oklahoma Health Sciences Center	OK	Doctoral and First-Professional	Yes
Public	University of Oregon	OR	Doctoral and First-Professional	
Private	University of Pennsylvania	PA	Doctoral and First-Professional	Yes
Public	University of Pittsburgh - Pittsburgh	PA	Doctoral and First-Professional	Yes
Public	University of Puerto Rico - Medical Sciences	PR	Doctoral and First-Professional	Yes
Public	University of Rhode Island	RI	Doctoral and First-Professional	
Private	University of Rochester	NY	Doctoral and First-Professional	Yes
Public	University of South Carolina - Columbia	SC	Doctoral and First-Professional	Yes
Public	University of South Florida	FL	Doctoral and First-Professional	Yes
Private	University of Southern California	CA	Doctoral and First-Professional	Yes
Public	University of Southern Mississippi	MS	Doctoral	
Public	University of Tennessee - Knoxville	TN	Doctoral and First-Professional	
Public	University of Texas - Austin	TX	Doctoral and First-Professional	
Public	University of Texas Health Science Center - Houston	TX	Doctoral and First-Professional	Yes
Public	University of Texas Health Science Ctr - San Antonio	TX	Doctoral and First-Professional	Yes
Public	University of Texas MD Anderson Cancer Center	TX	Bachelor's	
Public	University of Texas Medical Branch - Galveston	TX	Doctoral and First-Professional	Yes
Public	University of Texas SW Medical Center - Dallas	TX	Doctoral and First-Professional	Yes
Public	University of Utah	UT	Doctoral and First-Professional	Yes
Public	University of Vermont	VT	Doctoral and First-Professional	Yes
Public	University of Virginia	VA	Doctoral and First-Professional	Yes
Public	University of Washington - Seattle	WA	Doctoral and First-Professional	Yes
Public	University of Wisconsin - Madison	WI	Doctoral and First-Professional	Yes
Public	University of Wyoming	WY	Doctoral and First-Professional	
Public	US Naval Postgraduate School	CA	Doctoral	
Public	Utah State University	UT	Doctoral	
Private	Vanderbilt University	TN	Doctoral and First-Professional	Yes
Public	Virginia Commonwealth University	VA	Doctoral and First-Professional	Yes
Public	Virginia Polytechnic Institute and State University	VA	Doctoral and First-Professional	
Private	Wake Forest University	NC	Doctoral and First-Professional	Yes
Public	Washington State University - Pullman	WA	Doctoral and First-Professional	
Private	Washington University in St. Louis	MO	Doctoral and First-Professional	Yes
Public	Wayne State University	MI	Doctoral and First-Professional	Yes
Public	West Virginia University	WV	Doctoral and First-Professional	Yes
Private	Woods Hole Oceanographic Institution	MA	Doctoral	
Private	Yale University	CT	Doctoral and First-Professional	Yes
Private	Yeshiva University	NY	Doctoral and First-Professional	Yes

Federal Land Grant Institution	Federal Research Focus	Total Student Enrollment Fall 2002
Yes	Strong Life Sciences	15,093
Yes	Moderate Life Sciences and Engineering	15,407
	Moderate Life Sciences	24,593
	Heavy Life Sciences	26,028
	Strong Engineering	12,423
	Moderate Physical Sciences	11,311
	Moderate Life and Physical Sciences	26,263
	All Life Sciences	2,949
	Moderate Life Sciences	19,997
	Heavy Life Sciences	22,769
	Heavy Life Sciences	27,190
	All Life Sciences	2,460
Yes	Moderate Life Sciences	14,180
	Strong Life Sciences	8,516
	Moderate Life Sciences and Engineering	25,140
	Heavy Life Sciences	38,854
	Strong Life Sciences	30,682
	Moderate Physical Sciences	15,267
Yes	Strong Life Sciences	27,971
	Moderate Physical Sciences and Engineering	52,261
	All Life Sciences	3,331
	All Life Sciences	2,727
	Heavy Life Sciences	NR
	All Life Sciences	1,938
	All Life Sciences	1,646
	Strong Life Sciences	28,369
Yes	Heavy Life Sciences	10,314
	Strong Life Sciences	23,144
	Heavy Life Sciences	39,882
Yes	Strong Life Sciences	40,884
Yes	Strong Life Sciences	12,745
	Moderate Engineering	NR
Yes	Strong Engineering	22,848
	Heavy Life Sciences	10,712
	Heavy Life Sciences	26,009
Yes	Moderate Life Sciences and Engineering	28,027
	All Life Sciences	6,410
Yes	Strong Life Sciences	21,880
	Heavy Life Sciences	12,767
	Heavy Life Sciences	31,167
Yes	Moderate Life Sciences and Engineering	23,492
	Strong Environmental Sciences	NR
	Heavy Life Sciences	11,378
	All Life Sciences	5,989

Student Characteristics		Fall 2002 Headcount Enrollment						
Institutions with Over \$20 Million in Federal Research, Alphabetically		Total Student Enrollment	Total Undergraduate Students	%	Total Graduate Students	%	Total First-Professional Students	%
Public	Arizona State University - Tempe	47,359	36,802	77.7%	10,023	21.2%	534	1.1%
Public	Auburn University	23,276	19,603	84.2%	2,930	12.6%	743	3.2%
Private	Baylor College of Medicine	1,265	0	0.0%	593	46.9%	672	53.1%
Private	Boston College	14,111	9,688	68.7%	3,618	25.6%	805	5.7%
Private	Boston University	28,982	17,860	61.6%	9,127	31.5%	1,995	6.9%
Private	Brandeis University	4,852	3,057	63.0%	1,795	37.0%	0	0.0%
Private	Brown University	7,892	6,030	76.4%	1,536	19.5%	326	4.1%
Private	California Institute of Technology	2,120	939	44.3%	1,181	55.7%	0	0.0%
Private	Carnegie Mellon University	9,501	5,475	57.6%	4,026	42.4%	0	0.0%
Private	Case Western Reserve University	9,097	3,457	38.0%	4,143	45.5%	1,497	16.5%
Private	Charles R. Drew University of Medicine and Science	110	106	96.4%	4	3.6%	0	0.0%
Public	Clemson University	16,876	13,734	81.4%	3,142	18.6%	0	0.0%
Public	Colorado State University	29,255	21,884	74.8%	6,834	23.4%	537	1.8%
Private	Columbia University	20,583	6,988	34.0%	11,456	55.7%	2,139	10.4%
Private	Cornell University	20,302	13,802	69.0%	5,186	25.5%	1,314	6.5%
Private	Dartmouth College	5,593	4,079	72.9%	1,225	21.9%	289	5.2%
Public	Desert Research Institute	NR	NR					
Private	Drexel University	16,345	11,585	70.9%	3,753	23.0%	1,007	6.2%
Private	Duke University	12,488	6,206	49.7%	4,595	36.8%	1,687	13.5%
Private	Emory University	11,600	6,285	54.2%	3,631	31.3%	1,684	14.5%
Public	Florida A&M University	12,464	10,803	86.7%	1,063	8.5%	598	4.8%
Public	Florida International University	33,349	27,153	81.4%	6,094	18.3%	102	0.3%
Public	Florida State University	36,210	29,195	80.6%	6,197	17.1%	818	2.3%
Public	George Mason University	26,796	16,687	62.3%	9,308	34.7%	801	3.0%
Private	George Washington University	23,019	10,328	44.9%	10,582	46.0%	2,109	9.2%
Private	Georgetown University	12,856	6,332	49.3%	3,768	29.3%	2,756	21.4%
Public	Georgia Institute of Technology	16,481	11,456	69.5%	5,025	30.5%	0	0.0%
Private	Harvard University	24,969	9,774	39.1%	12,455	49.9%	2,740	11.0%
Private	Howard University	10,517	6,892	65.5%	1,820	17.3%	1,805	17.2%
Public	Indiana University - Bloomington	38,903	30,752	79.0%	7,217	18.6%	934	2.4%
Public	Indiana University-Purdue University - Indianapolis	29,025	21,060	72.6%	5,575	19.2%	2,390	8.2%
Public	Iowa State University	27,898	22,999	82.4%	4,499	16.1%	400	1.4%
Public	Jackson State University	7,783	6,315	81.1%	1,468	18.9%	0	0.0%
Private	Johns Hopkins University	17,989	5,490	30.5%	12,021	66.8%	478	2.7%
Public	Kansas State University	22,762	19,048	83.7%	3,309	14.5%	405	1.8%
Private	Loma Linda University	3,297	916	27.8%	1,293	39.2%	1,088	33.0%
Public	Louisiana State University - Baton Rouge	32,228	26,660	82.7%	4,572	14.2%	996	3.1%
Public	Louisiana State University Health Sciences Center	2,039	0	0.0%	719	35.3%	1,320	64.7%
Private	Loyola University Chicago	13,061	7,533	57.7%	4,158	31.8%	1,370	10.5%
Private	Massachusetts Institute of Technology	10,317	4,178	40.5%	6,139	59.5%	0	0.0%
Private	MCP Hahnemann University	NR	NR					
Public	Medical College of Georgia	2,453	717	29.2%	330	13.5%	1,406	57.3%
Private	Medical College of Wisconsin	1,223	0	0.0%	418	34.2%	805	65.8%
Public	Medical University of South Carolina	2,260	352	15.6%	867	38.4%	1,041	46.1%
Private	Meharry Medical College	723	0	0.0%	134	18.5%	589	81.5%
Public	Michigan State University	44,937	35,197	78.3%	8,349	18.6%	1,391	3.1%

Fall 2002 Part-Time Enrollment				2002-2003 Degrees Awarded				
Percentage of Total Students Enrolled Part Time	Percentage of Undergraduates Enrolled Part Time	Percentage of Graduates Enrolled Part Time	Percentage of First-Professionals Enrolled Part Time	Associate's Degrees	Bachelor's Degrees	Master's Degrees	Doctorate Degrees	Professional Degrees
25.1%	16.0%	9.1%	0.0%	0	6,984	2,353	300	195
14.4%	8.1%	5.9%	0.4%	0	3,739	685	159	157
0.0%	0.0%	0.0%	0.2%	0	0	41	60	168
17.1%	3.7%	13.3%	0.1%	0	2,894	1,088	143	273
17.6%	5.3%	12.2%	0.1%	2	3,765	3,048	270	525
0.0%	0.6%	10.5%	0.0%	0	1,004	449	93	0
5.8%	4.0%	1.7%	0.0%	0	1,870	316	143	83
0.0%	0.0%	0.0%	0.0%	0	244	112	137	0
0.0%	2.5%	11.4%	0.0%	0	1,501	1,338	164	0
24.9%	3.3%	21.4%	0.2%	0	824	1,442	179	387
0.0%	22.7%	2.7%	0.0%	16	45	6	0	0
0.0%	5.5%	7.7%	0.0%	0	3,039	791	116	0
26.5%	9.9%	16.6%	0.0%	0	3,998	1,027	182	132
14.1%	4.4%	9.6%	0.0%	0	1,883	4,354	433	650
0.0%	0.0%	0.0%	0.0%	0	3,647	1,556	436	352
2.5%	0.9%	1.6%	0.0%	0	1,153	379	67	60
				NR	NR	NR	NR	NR
28.0%	13.2%	14.8%	0.0%	7	1,940	1,009	108	231
3.1%	0.5%	2.5%	0.1%	0	1,502	1,145	253	413
7.2%	0.9%	5.5%	0.8%	287	1,724	940	154	461
13.2%	10.0%	3.1%	0.1%	83	1,492	317	17	101
44.8%	34.1%	10.8%	0.0%	0	4,992	1,748	60	0
17.4%	10.5%	6.9%	0.0%	136	6,940	1,593	290	242
47.0%	16.7%	28.8%	1.5%	0	3,299	1,759	138	191
36.6%	6.0%	29.6%	1.1%	136	2,274	2,775	228	587
10.3%	1.7%	7.8%	0.8%	0	2,058	1,460	88	827
0.0%	5.9%	5.3%	0.0%	0	2,417	1,366	225	0
24.2%	10.7%	13.4%	0.1%	20	1,883	3,222	548	826
10.3%	4.2%	5.4%	0.7%	0	1,187	376	93	379
13.8%	5.9%	7.6%	0.3%	81	6,492	1,664	389	292
44.4%	28.3%	14.9%	1.1%	611	2,465	1,087	24	598
12.8%	5.6%	7.1%	0.0%	0	4,749	813	238	96
0.0%	11.1%	10.7%	0.0%	0	760	289	31	0
46.8%	4.6%	42.2%	0.0%	0	1,529	3,341	364	116
20.2%	11.3%	8.8%	0.0%	118	3,574	698	145	100
24.2%	7.7%	16.5%	0.0%	143	246	379	68	256
13.6%	8.4%	5.2%	0.1%	0	4,468	1,003	211	263
8.4%	0.0%	8.2%	0.1%	5	329	126	22	307
25.4%	11.7%	13.4%	0.3%	0	1,487	1,075	166	348
0.0%	0.7%	3.4%	0.0%	0	1,281	1,537	440	0
				NR	NR	NR	NR	NR
6.6%	2.5%	3.6%	0.5%	0	295	72	15	233
0.0%	0.0%	19.6%	0.0%	0	0	57	16	204
12.2%	3.3%	8.8%	0.0%	0	170	260	35	235
0.0%	0.0%	0.0%	0.0%	0	0	19	8	110
17.6%	9.3%	8.2%	0.0%	0	7,481	1,914	442	303

Student Characteristics		Fall 2002 Headcount Enrollment						
		Total Student Enrollment	Total Undergraduate Students	%	Total Graduate Students	%	Total First-Professional Students	%
	Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)							
Public	Mississippi State University	16,610	13,373	80.5%	3,029	18.2%	208	1.3%
Public	Montana State University - Bozeman	11,841	10,598	89.5%	1,243	10.5%	0	0.0%
Private	Morehouse School of Medicine	228	0	0.0%	59	25.9%	169	74.1%
Private	Mount Sinai School of Medicine	625	0	0.0%	177	28.3%	448	71.7%
Public	New Jersey Institute of Technology	8,828	5,730	64.9%	3,098	35.1%	0	0.0%
Public	New Mexico State University - Las Cruces	15,243	12,531	82.2%	2,712	17.8%	0	0.0%
Private	New York University	38,096	19,490	51.2%	15,307	40.2%	3,299	8.7%
Public	North Carolina State University	29,637	22,779	76.9%	6,555	22.1%	303	1.0%
Public	North Dakota State University	11,146	9,874	88.6%	1,272	11.4%	0	0.0%
Private	Northeastern University	23,357	18,994	81.3%	3,787	16.2%	576	2.5%
Private	Northwestern University	17,528	9,442	53.9%	6,695	38.2%	1,391	7.9%
Public	Ohio State University - Columbus	49,676	36,855	74.2%	9,761	19.6%	3,060	6.2%
Public	Oklahoma State University - Stillwater	23,220	18,234	78.5%	4,696	20.2%	290	1.2%
Public	Oregon Health & Science University	2,524	548	21.7%	1,305	51.7%	671	26.6%
Public	Oregon State University	18,764	15,398	82.1%	3,005	16.0%	361	1.9%
Public	Pennsylvania State University - Hershey Medical Ctr	675	0	0.0%	185	27.4%	490	72.6%
Public	Pennsylvania State University - University Park	41,445	34,829	84.0%	6,616	16.0%	0	0.0%
Private	Princeton University	6,646	4,635	69.7%	2,011	30.3%	0	0.0%
Public	Purdue University - West Lafayette	40,117	32,460	80.9%	6,758	16.8%	899	2.2%
Private	Rensselaer Polytechnic Institute	7,670	5,136	67.0%	2,534	33.0%	0	0.0%
Private	Rice University	4,633	2,771	59.8%	1,862	40.2%	0	0.0%
Private	Rockefeller University	176	0	0.0%	176	100.0%	0	0.0%
Private	Rush University	1,232	133	10.8%	617	50.1%	482	39.1%
Public	Rutgers the State University of NJ - New Brunswick	35,886	28,070	78.2%	7,521	21.0%	295	0.8%
Private	Saint Louis University - St. Louis	14,004	9,917	70.8%	2,669	19.1%	1,418	10.1%
Public	San Diego State University	34,304	28,004	81.6%	6,300	18.4%	0	0.0%
Private	Stanford University	18,297	7,360	40.2%	9,890	54.1%	1,047	5.7%
Public	State Univ. of New York Health Science Ctr - Brooklyn	1,430	262	18.3%	393	27.5%	775	54.2%
Public	Stony Brook University	21,989	14,224	64.7%	7,179	32.6%	586	2.7%
Private	Syracuse University	18,604	12,645	68.0%	5,176	27.8%	783	4.2%
Public	Temple University	32,359	21,429	66.2%	7,725	23.9%	3,205	9.9%
Public	Texas A&M University	45,083	36,775	81.6%	7,815	17.3%	493	1.1%
Public	Texas A&M University System Health Sciences Center	1,050	58	5.5%	356	33.9%	636	60.6%
Public	Texas Tech University	27,569	22,768	82.6%	4,099	14.9%	702	2.5%
Private	Thomas Jefferson University	2,262	785	34.7%	569	25.2%	908	40.1%
Private	Tufts University	9,432	4,910	52.1%	2,850	30.2%	1,672	17.7%
Private	Tulane University	12,206	7,660	62.8%	2,887	23.7%	1,659	13.6%
Public	University at Albany	17,426	11,953	68.6%	5,473	31.4%	0	0.0%
Public	University at Buffalo	26,168	17,054	65.2%	7,179	27.4%	1,935	7.4%
Public	University of Alabama - Birmingham	15,579	10,501	67.4%	4,096	26.3%	982	6.3%
Public	University of Alabama - Huntsville	7,045	5,598	79.5%	1,447	20.5%	0	0.0%
Public	University of Alabama - Tuscaloosa	19,584	15,441	78.8%	3,542	18.1%	601	3.1%
Public	University of Alaska - Fairbanks	7,661	6,727	87.8%	934	12.2%	0	0.0%
Public	University of Arizona	36,847	28,278	76.7%	7,449	20.2%	1,120	3.0%
Public	University of Arkansas - Fayetteville	15,995	12,889	80.6%	2,696	16.9%	410	2.6%
Public	University of Arkansas for Medical Sciences	2,016	683	33.9%	447	22.2%	886	43.9%

Fall 2002 Part-Time Enrollment				2002-2003 Degrees Awarded				
Percentage of Total Students Enrolled Part Time	Percentage of Undergraduates Enrolled Part Time	Percentage of Graduates Enrolled Part Time	Percentage of First-Professionals Enrolled Part Time	Associate's Degrees	Bachelor's Degrees	Master's Degrees	Doctorate Degrees	Professional Degrees
20.2%	10.5%	9.6%	0.0%	0	2,698	791	93	47
0.0%	11.7%	5.9%	0.0%	0	1,831	306	42	0
0.0%	0.0%	6.6%	0.0%	0	0	18	3	35
0.0%	0.0%	0.0%	0.0%	0	0	7	27	110
0.0%	16.9%	20.3%	0.0%	0	894	924	46	0
0.0%	13.2%	8.8%	0.0%	60	1,993	567	75	0
26.4%	5.3%	20.9%	0.2%	703	5,096	5,815	411	950
25.0%	13.8%	11.2%	0.0%	145	5,237	1,501	322	73
18.3%	10.5%	7.9%	0.0%	0	1,591	197	33	58
27.5%	20.8%	6.7%	0.0%	179	3,172	1,366	93	247
19.8%	9.3%	10.4%	0.0%	0	2,560	4,546	370	395
15.6%	9.0%	6.4%	0.1%	344	8,422	2,525	575	739
20.7%	8.6%	12.1%	0.0%	24	3,223	874	182	69
33.8%	5.6%	27.7%	0.5%	0	279	214	27	150
12.8%	8.0%	4.7%	0.1%	0	2,958	701	171	89
0.0%	0.0%	1.8%	0.0%	0	0	14	41	97
0.0%	3.7%	4.0%	0.0%	60	9,014	1,079	503	0
0.0%	0.0%	0.0%	0.0%	0	1,108	435	260	0
12.7%	7.2%	5.4%	0.0%	869	6,288	1,392	463	203
0.0%	0.7%	14.7%	0.0%	0	1,270	890	136	0
0.0%	0.5%	1.0%	0.0%	0	969	439	107	0
0.0%	0.0%	0.0%	0.0%	0	0	0	34	0
36.2%	1.2%	35.0%	0.0%	0	51	134	33	105
20.7%	7.2%	13.4%	0.1%	0	5,841	1,307	358	115
39.2%	27.7%	9.8%	1.6%	0	1,703	632	151	334
0.0%	16.4%	9.5%	0.0%	0	5,777	1,794	40	0
30.9%	4.4%	25.9%	0.6%	0	1,914	1,930	611	284
26.3%	8.5%	17.8%	0.0%	0	131	67	6	199
23.4%	6.8%	16.6%	0.0%	0	2,633	1,568	298	136
20.4%	5.7%	14.5%	0.2%	11	3,064	1,632	121	248
29.3%	10.8%	17.6%	0.9%	2	3,711	1,512	161	824
11.3%	6.9%	4.4%	0.0%	0	8,426	1,723	442	119
0.0%	0.0%	16.3%	0.0%	0	32	84	4	161
15.5%	9.7%	5.8%	0.0%	0	3,640	907	163	218
29.5%	17.0%	12.6%	0.0%	9	232	151	18	201
10.6%	0.9%	9.6%	0.1%	0	1,760	791	85	414
20.5%	14.8%	5.7%	0.0%	43	1,907	1,101	105	477
0.0%	6.2%	18.4%	0.0%	0	2,640	1,411	165	0
19.2%	6.3%	12.9%	0.0%	7	3,414	1,855	269	532
33.8%	21.4%	12.4%	0.0%	0	1,521	1,060	155	250
0.0%	28.7%	12.4%	0.0%	0	843	258	21	0
15.8%	8.3%	7.4%	0.0%	0	2,999	1,070	178	165
0.0%	44.5%	4.6%	0.0%	206	395	163	36	0
20.0%	12.5%	7.5%	0.0%	0	5,826	1,353	378	295
22.9%	12.7%	10.2%	0.0%	0	2,399	803	120	100
21.8%	8.8%	12.9%	0.1%	71	223	75	15	275

Student Characteristics		Fall 2002 Headcount Enrollment						
		Total Student Enrollment	Total Undergraduate Students	%	Total Graduate Students	%	Total First-Professional Students	%
Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)								
Public	University of California - Berkeley	33,145	23,835	71.9%	8,301	25.0%	1,009	3.0%
Public	University of California - Davis	29,087	22,786	78.3%	4,905	16.9%	1,396	4.8%
Public	University of California - Irvine	23,779	19,179	80.7%	4,214	17.7%	386	1.6%
Public	University of California - Los Angeles	37,599	24,899	66.2%	10,814	28.8%	1,886	5.0%
Public	University of California - Riverside	15,934	14,124	88.6%	1,758	11.0%	52	0.3%
Public	University of California - San Diego	23,528	19,088	81.1%	3,903	16.6%	537	2.3%
Public	University of California - San Francisco	3,527	35	1.0%	2,042	57.9%	1,450	41.1%
Public	University of California - Santa Barbara	20,559	17,714	86.2%	2,845	13.8%	0	0.0%
Public	University of California - Santa Cruz	14,139	12,881	91.1%	1,258	8.9%	0	0.0%
Public	University of Central Florida	38,501	32,220	83.7%	6,281	16.3%	0	0.0%
Private	University of Chicago	13,177	4,236	32.1%	7,886	59.8%	1,055	8.0%
Public	University of Cincinnati - Cincinnati	26,552	19,204	72.3%	6,372	24.0%	976	3.7%
Public	University of Colorado - Boulder	31,415	25,402	80.9%	5,536	17.6%	477	1.5%
Public	University of Colorado Health Sciences Center	2,824	437	15.5%	1,206	42.7%	1,181	41.8%
Public	University of Connecticut - Health Center	469	0	0.0%	0	0.0%	469	100.0%
Public	University of Connecticut - Storrs	21,427	14,716	68.7%	5,907	27.6%	804	3.8%
Private	University of Dayton	10,126	7,085	70.0%	2,584	25.5%	457	4.5%
Public	University of Delaware	21,289	18,099	85.0%	3,190	15.0%	0	0.0%
Public	University of Florida	47,373	34,031	71.8%	9,931	21.0%	3,411	7.2%
Public	University of Georgia	32,941	24,983	75.8%	6,462	19.6%	1,496	4.5%
Public	University of Hawaii - Manoa	18,696	12,820	68.6%	5,341	28.6%	535	2.9%
Public	University of Houston - University Park	34,443	26,283	76.3%	6,285	18.2%	1,875	5.4%
Public	University of Idaho	12,424	9,236	74.3%	2,851	22.9%	337	2.7%
Public	University of Illinois - Chicago	26,138	16,543	63.3%	7,320	28.0%	2,275	8.7%
Public	University of Illinois - Urbana-Champaign	39,999	28,947	72.4%	9,998	25.0%	1,054	2.6%
Public	University of Iowa	29,697	20,487	69.0%	6,336	21.3%	2,874	9.7%
Public	University of Kansas - Lawrence	26,458	20,213	76.4%	5,705	21.6%	540	2.0%
Public	University of Kansas Medical Center	1,738	392	22.6%	657	37.8%	689	39.6%
Public	University of Kentucky	24,985	17,830	71.4%	5,767	23.1%	1,388	5.6%
Public	University of Louisville	20,416	14,458	70.8%	4,677	22.9%	1,281	6.3%
Public	University of Maine - Orono	11,135	8,817	79.2%	2,318	20.8%	0	0.0%
Public	University of Maryland - Baltimore	5,470	926	16.9%	2,066	37.8%	2,478	45.3%
Public	University of Maryland - Baltimore County	11,711	9,549	81.5%	2,162	18.5%	0	0.0%
Public	University of Maryland - College Park	34,801	25,240	72.5%	9,441	27.1%	120	0.3%
Public	University of Massachusetts - Amherst	24,062	18,606	77.3%	5,456	22.7%	0	0.0%
Public	University of Massachusetts Medical Sch - Worcester	732	0	0.0%	311	42.5%	421	57.5%
Public	University of Medicine & Dentistry of New Jersey	4,680	788	16.8%	1,908	40.8%	1,984	42.4%
Private	University of Miami	14,978	9,794	65.4%	3,321	22.2%	1,863	12.4%
Public	University of Michigan - Ann Arbor	38,972	24,472	62.8%	12,145	31.2%	2,355	6.0%
Public	University of Minnesota - Twin Cities	48,677	32,457	66.7%	13,522	27.8%	2,698	5.5%
Public	University of Mississippi - Oxford	13,135	10,661	81.2%	1,813	13.8%	661	5.0%
Public	University of Missouri - Columbia	26,124	19,698	75.4%	5,280	20.2%	1,146	4.4%
Public	University of Montana - Missoula	13,026	11,152	85.6%	1,619	12.4%	255	2.0%
Public	University of Nebraska - Lincoln	22,988	18,118	78.8%	4,451	19.4%	419	1.8%
Public	University of Nebraska Medical Center	2,819	699	24.8%	1,217	43.2%	903	32.0%
Public	University of Nevada - Las Vegas	24,679	19,762	80.1%	4,387	17.8%	530	2.1%

Fall 2002 Part-Time Enrollment				2002-2003 Degrees Awarded				
Percentage of Total Students Enrolled Part Time	Percentage of Undergraduates Enrolled Part Time	Percentage of Graduates Enrolled Part Time	Percentage of First-Professionals Enrolled Part Time	Associate's Degrees	Bachelor's Degrees	Master's Degrees	Doctorate Degrees	Professional Degrees
8.3%	4.7%	3.6%	0.0%	0	7,055	1,834	772	323
10.1%	8.8%	1.3%	0.0%	0	5,713	615	373	377
5.0%	3.2%	1.8%	0.0%	0	4,359	714	188	90
4.1%	2.8%	1.2%	0.0%	0	7,503	2,303	596	578
8.4%	7.8%	0.6%	0.0%	0	2,621	310	121	0
4.5%	3.7%	0.8%	0.0%	0	4,567	573	279	128
0.0%	0.0%	0.0%	0.0%	0	18	201	80	368
0.0%	3.0%	0.9%	0.0%	0	5,236	542	251	0
0.0%	5.0%	0.5%	0.0%	0	3,102	268	104	0
0.0%	21.9%	9.8%	0.0%	191	6,704	1,421	110	0
17.6%	0.3%	17.2%	0.1%	0	1,189	2,311	332	318
23.9%	14.7%	9.2%	0.0%	322	2,956	1,466	237	314
20.6%	8.1%	12.4%	0.0%	0	5,003	1,049	303	151
41.9%	0.9%	34.8%	6.2%	0	165	167	41	247
0.0%	0.0%	0.0%	0.9%	0	0	0	0	113
18.7%	4.4%	13.3%	1.0%	22	3,687	1,246	237	228
19.7%	5.3%	14.4%	0.0%	0	1,654	735	21	122
0.0%	13.0%	4.0%	0.0%	8	3,961	743	135	0
14.1%	7.8%	5.2%	1.1%	537	8,110	2,853	591	941
14.8%	7.7%	6.9%	0.1%	0	6,034	1,369	414	386
26.6%	10.2%	16.3%	0.1%	0	2,393	1,002	131	125
32.8%	22.5%	9.5%	0.7%	0	4,116	1,470	203	484
22.9%	8.7%	14.1%	0.1%	0	1,687	577	90	97
19.2%	7.2%	11.8%	0.2%	0	3,484	1,808	225	476
9.1%	3.1%	6.0%	0.1%	0	7,233	2,703	617	301
20.6%	9.3%	10.9%	0.3%	0	4,687	1,370	249	552
20.2%	7.8%	12.3%	0.1%	0	3,759	1,302	232	268
22.7%	4.5%	18.2%	0.0%	0	199	176	11	152
18.7%	7.6%	10.9%	0.2%	0	3,576	1,041	208	363
33.7%	20.4%	13.0%	0.4%	38	1,874	1,055	89	323
0.0%	14.9%	11.8%	0.0%	0	1,420	456	45	0
23.3%	6.0%	14.5%	2.9%	0	348	666	70	597
0.0%	15.0%	10.0%	0.0%	0	1,729	358	67	0
16.4%	7.1%	9.2%	0.0%	0	6,068	1,776	418	29
0.0%	5.8%	13.5%	0.0%	73	4,218	956	213	0
0.0%	0.0%	1.4%	0.0%	0	0	34	24	96
18.9%	4.3%	14.6%	0.0%	76	128	309	114	473
11.6%	5.7%	5.4%	0.6%	0	2,616	1,138	127	496
8.6%	3.1%	5.5%	0.0%	0	6,606	3,431	617	644
30.4%	14.5%	15.6%	0.2%	0	5,972	2,546	560	719
12.1%	6.6%	5.5%	0.0%	0	1,944	467	83	212
16.1%	5.5%	10.3%	0.2%	0	3,848	1,209	274	325
16.9%	11.3%	5.6%	0.1%	187	1,690	431	33	118
17.8%	8.0%	9.8%	0.0%	5	3,157	813	254	123
16.1%	2.7%	13.0%	0.3%	0	438	744	23	227
39.2%	25.8%	12.6%	0.7%	0	2,900	785	37	130



Student Characteristics		Fall 2002 Headcount Enrollment						
		Total Student Enrollment	Total Undergraduate Students	%	Total Graduate Students	%	Total First-Professional Students	%
	Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)							
Public	University of Nevada - Reno	15,093	11,752	77.9%	3,133	20.8%	208	1.4%
Public	University of New Hampshire - Durham	15,407	12,523	81.3%	2,884	18.7%	0	0.0%
Public	University of New Mexico - Albuquerque	24,593	17,166	69.8%	6,439	26.2%	988	4.0%
Public	University of North Carolina - Chapel Hill	26,028	15,961	61.3%	7,684	29.5%	2,383	9.2%
Public	University of North Dakota	12,423	10,277	82.7%	1,714	13.8%	432	3.5%
Private	University of Notre Dame	11,311	8,261	73.0%	2,455	21.7%	595	5.3%
Public	University of Oklahoma - Norman	26,263	19,784	75.3%	5,960	22.7%	519	2.0%
Public	University of Oklahoma Health Sciences Center	2,949	619	21.0%	938	31.8%	1,392	47.2%
Public	University of Oregon	19,997	16,041	80.2%	3,442	17.2%	514	2.6%
Private	University of Pennsylvania	22,769	11,946	52.5%	8,429	37.0%	2,394	10.5%
Public	University of Pittsburgh - Pittsburgh	27,190	17,910	65.9%	7,448	27.4%	1,832	6.7%
Public	University of Puerto Rico - Medical Sciences	2,460	677	27.5%	1,083	44.0%	700	28.5%
Public	University of Rhode Island	14,180	10,784	76.1%	2,903	20.5%	493	3.5%
Private	University of Rochester	8,516	4,695	55.1%	3,407	40.0%	414	4.9%
Public	University of South Carolina - Columbia	25,140	16,567	65.9%	7,321	29.1%	1,252	5.0%
Public	University of South Florida	38,854	29,986	77.2%	8,474	21.8%	394	1.0%
Private	University of Southern California	30,682	16,145	52.6%	11,880	38.7%	2,657	8.7%
Public	University of Southern Mississippi	15,267	12,612	82.6%	2,655	17.4%	0	0.0%
Public	University of Tennessee - Knoxville	27,971	19,956	71.3%	5,922	21.2%	2,093	7.5%
Public	University of Texas - Austin	52,261	39,661	75.9%	10,879	20.8%	1,721	3.3%
Public	University of Texas Health Science Center - Houston	3,331	359	10.8%	1,912	57.4%	1,060	31.8%
Public	University of Texas Health Science Ctr - San Antonio	2,727	908	33.3%	640	23.5%	1,179	43.2%
Public	University of Texas MD Anderson Cancer Center	NR	NR					
Public	University of Texas Medical Branch - Galveston	1,938	557	28.7%	568	29.3%	813	42.0%
Public	University of Texas SW Medical Center - Dallas	1,646	169	10.3%	639	38.8%	838	50.9%
Public	University of Utah	28,369	22,648	79.8%	4,796	16.9%	925	3.3%
Public	University of Vermont	10,314	8,792	85.2%	1,128	10.9%	394	3.8%
Public	University of Virginia	23,144	13,805	59.6%	7,731	33.4%	1,608	6.9%
Public	University of Washington - Seattle	39,882	29,028	72.8%	9,134	22.9%	1,720	4.3%
Public	University of Wisconsin - Madison	40,884	29,708	72.7%	8,807	21.5%	2,369	5.8%
Public	University of Wyoming	12,745	9,250	72.6%	3,065	24.0%	430	3.4%
Public	US Naval Postgraduate School	NR	NR					
Public	Utah State University	22,848	19,736	86.4%	3,112	13.6%	0	0.0%
Private	Vanderbilt University	10,712	6,146	57.4%	3,366	31.4%	1,200	11.2%
Public	Virginia Commonwealth University	26,009	18,069	69.5%	6,487	24.9%	1,453	5.6%
Public	Virginia Polytechnic Institute and State University	28,027	21,473	76.6%	6,194	22.1%	360	1.3%
Private	Wake Forest University	6,410	4,045	63.1%	1,397	21.8%	968	15.1%
Public	Washington State University - Pullman	21,880	18,024	82.4%	3,177	14.5%	679	3.1%
Private	Washington University in St. Louis	12,767	7,219	56.5%	4,408	34.5%	1,140	8.9%
Public	Wayne State University	31,167	18,407	59.1%	9,929	31.9%	2,831	9.1%
Public	West Virginia University	23,492	16,692	71.1%	5,509	23.5%	1,291	5.5%
Private	Woods Hole Oceanographic Institution	NR	NR					
Private	Yale University	11,378	5,339	46.9%	4,732	41.6%	1,307	11.5%
Private	Yeshiva University	5,989	2,798	46.7%	1,483	24.8%	1,708	28.5%

Fall 2002 Part-Time Enrollment				2002-2003 Degrees Awarded				
Percentage of Total Students Enrolled Part Time	Percentage of Undergraduates Enrolled Part Time	Percentage of Graduates Enrolled Part Time	Percentage of First-Professionals Enrolled Part Time	Associate's Degrees	Bachelor's Degrees	Master's Degrees	Doctorate Degrees	Professional Degrees
31.4%	18.0%	13.4%	0.0%	0	1,677	459	95	48
0.0%	8.8%	11.9%	0.0%	214	2,482	561	54	0
32.5%	15.8%	16.4%	0.3%	0	2,958	1,069	162	246
16.6%	3.2%	13.0%	0.5%	0	4,538	1,738	412	672
16.7%	8.2%	8.6%	0.0%	0	1,708	431	57	122
2.6%	0.3%	2.3%	0.0%	0	2,749	841	135	188
24.3%	9.3%	15.0%	0.0%	0	3,140	1,559	143	165
29.4%	3.3%	18.5%	7.6%	0	290	278	16	303
13.1%	7.9%	5.1%	0.0%	0	3,607	931	156	170
18.0%	8.7%	9.3%	0.0%	8	3,644	2,791	385	643
20.2%	9.1%	11.1%	0.0%	0	4,013	1,861	348	539
10.5%	3.5%	7.0%	0.0%	52	281	204	3	152
26.2%	12.9%	13.3%	0.0%	0	1,958	485	77	55
15.5%	2.9%	12.6%	0.0%	0	1,419	829	193	80
24.5%	9.9%	14.5%	0.1%	14	3,458	1,740	235	339
40.0%	26.7%	13.4%	0.0%	223	5,043	1,924	153	96
14.1%	2.0%	12.0%	0.0%	0	4,250	3,255	559	833
0.0%	11.9%	8.5%	0.0%	0	2,587	675	117	0
14.8%	6.8%	8.0%	0.0%	0	4,022	1,709	262	548
10.2%	8.0%	2.2%	0.1%	0	8,397	2,637	674	595
27.4%	0.5%	27.0%	0.0%	0	125	277	75	242
13.9%	6.9%	7.0%	0.0%	0	300	101	25	288
				NR	NR	NR	NR	NR
18.2%	13.9%	4.3%	0.0%	0	287	89	35	180
6.7%	3.6%	3.2%	0.0%	0	71	48	42	189
31.8%	26.6%	5.2%	0.0%	0	4,488	1,129	225	245
19.2%	13.3%	5.9%	0.0%	16	1,742	308	35	94
19.9%	3.9%	16.1%	0.0%	0	3,841	1,477	337	480
18.3%	13.7%	4.4%	0.2%	0	7,235	2,526	493	469
11.4%	6.6%	4.4%	0.4%	0	6,139	2,019	656	618
30.4%	13.0%	17.4%	0.1%	0	1,842	421	56	104
				NR	NR	NR	NR	NR
0.0%	29.4%	8.6%	0.0%	36	2,576	924	59	0
4.5%	0.6%	3.5%	0.3%	0	2,006	996	189	331
34.2%	18.6%	15.5%	0.1%	0	2,299	1,232	114	348
11.6%	2.3%	9.3%	0.0%	40	4,925	1,472	272	87
6.3%	1.9%	4.3%	0.1%	0	996	477	35	270
18.4%	12.8%	5.6%	0.0%	0	4,143	760	126	180
21.9%	10.8%	11.1%	0.0%	0	2,178	1,204	207	359
47.8%	27.7%	19.5%	0.6%	0	2,249	2,453	188	444
15.9%	4.2%	11.5%	0.1%	0	2,950	1,402	150	343
				NR	NR	NR	NR	NR
1.7%	0.6%	0.9%	0.3%	0	1,566	1,316	317	375
11.6%	1.3%	8.8%	1.5%	248	561	329	125	462

### TheCenter Measures - National Rankings

Institutions with Over \$20 Million in Federal Research, Alphabetically		2004 — No. of Measures in Top 25 Nationally	2004 — No. of Measures in Top 26-50 Nationally	2003 — No. of Measures in Top 25 Nationally	2003 — No. of Measures in Top 26-50 Nationally
Public	Arizona State University - Tempe	0	2	0	2
Public	Auburn University	0	0	0	0
Private	Baylor College of Medicine	2	3	3	1
Private	Boston College	0	1	0	1
Private	Boston University	1	3	1	2
Private	Brandeis University	0	0	0	1
Private	Brown University	2	2	2	1
Private	California Institute of Technology	3	4	3	5
Private	Carnegie Mellon University	0	2	1	1
Private	Case Western Reserve University	0	4	0	7
Private	Charles R. Drew University of Medicine and Science	0	0	0	0
Public	Clemson University	0	0	0	0
Public	Colorado State University	0	0	0	0
Private	Columbia University	8	1	8	1
Private	Cornell University	8	1	8	1
Private	Dartmouth College	2	1	2	1
Public	Desert Research Institute	0	0	0	0
Private	Drexel University	0	0	0	0
Private	Duke University	8	0	8	0
Private	Emory University	3	4	3	4
Public	Florida A&M University	0	0	0	0
Public	Florida International University	0	0	0	0
Public	Florida State University	0	1	0	0
Public	George Mason University	0	0	0	0
Private	George Washington University	0	0	0	0
Private	Georgetown University	0	2	1	1
Public	Georgia Institute of Technology	0	6	1	6
Private	Harvard University	9	0	9	0
Private	Howard University	0	0	0	0
Public	Indiana University - Bloomington	0	1	0	2
Public	Indiana University-Purdue University - Indianapolis	0	1	0	1
Public	Iowa State University	0	0	0	1
Public	Jackson State University	0	0	0	0
Private	Johns Hopkins University	8	1	8	1
Public	Kansas State University	0	0	0	0
Private	Loma Linda University	0	0	0	0
Public	Louisiana State University - Baton Rouge	0	0	0	0
Public	Louisiana State University Health Sciences Center	0	0	0	0
Private	Loyola University Chicago	0	0	0	0
Private	Massachusetts Institute of Technology	9	0	9	0
Private	MCP Hahnemann University	0	0	0	0
Public	Medical College of Georgia	0	0	0	0
Private	Medical College of Wisconsin	0	0	0	0
Public	Medical University of South Carolina	0	0	0	0
Private	Meharry Medical College	0	0	0	0
Public	Michigan State University	1	4	2	3

2002 No. of Measures in Top 25 Nationally	2002 No. of Measures in Top 26-50 Nationally	2001 No. of Measures in Top 25 Nationally	2001 No. of Measures in Top 26-50 Nationally	2000 No. of Measures in Top 25 Nationally	2000 No. of Measures in Top 26-50 Nationally
0	1	0	1	0	1
0	0	0	0	0	0
2	3	1	4	1	4
0	0	0	0	0	0
0	3	0	4	0	3
0	1	0	2	0	2
1	3	1	3	1	3
4	2	4	4	5	3
0	2	1	2	1	2
1	6	0	7	1	5
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	1	0	1
8	1	8	1	8	1
7	2	9	0	8	1
2	2	2	1	2	1
0	0	0	0	0	0
0	0	0	0	0	0
8	1	8	0	8	0
3	3	1	4	2	5
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	1
0	0	0	0	0	0
0	0	0	0	0	0
0	2	0	2	0	2
0	7	0	7	0	6
9	0	9	0	9	0
0	0	0	0	0	1
1	1	1	1	0	1
1	0	0	2	0	0
0	0	0	1	0	2
0	0	0	0	0	0
8	1	8	1	8	0
0	0	0	0	0	0
0	0	0	0	0	0
0	1	0	1	0	1
0	0	0	0	0	0
0	0	0	0	0	0
9	0	9	0	9	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	2	1	4	1	2

### TheCenter Measures - National Rankings

Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		2004 No. of Measures in Top 25 Nationally	2004 No. of Measures in Top 26-50 Nationally	2003 No. of Measures in Top 25 Nationally	2003 No. of Measures in Top 26-50 Nationally
Public	Mississippi State University	0	0	0	0
Public	Montana State University - Bozeman	0	0	0	0
Private	Morehouse School of Medicine	0	0	0	0
Private	Mount Sinai School of Medicine	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	2	6	2	4
Public	North Carolina State University	0	5	0	4
Public	North Dakota State University	0	0	0	0
Private	Northeastern University	0	0	0	0
Private	Northwestern University	3	5	3	5
Public	Ohio State University - Columbus	3	5	3	5
Public	Oklahoma State University - Stillwater	0	0	0	0
Public	Oregon Health & Science University	0	0	0	0
Public	Oregon State University	0	0	0	0
Public	Pennsylvania State University - Hershey Medical Ctr	0	0	0	0
Public	Pennsylvania State University - University Park	4	2	4	2
Private	Princeton University	5	2	5	1
Public	Purdue University - West Lafayette	1	4	1	4
Private	Rensselaer Polytechnic Institute	0	0	0	0
Private	Rice University	2	1	2	1
Private	Rockefeller University	1	3	1	4
Private	Rush University	0	0	0	0
Public	Rutgers the State University of NJ - New Brunswick	0	4	0	3
Private	Saint Louis University - St. Louis	0	0	0	0
Public	San Diego State University	0	0	0	0
Private	Stanford University	9	0	9	0
Public	State Univ. of New York Health Science Ctr - Brooklyn	0	0	0	0
Public	Stony Brook University	0	2	0	3
Private	Syracuse University	0	0	0	0
Public	Temple University	0	0	0	0
Public	Texas A&M University	3	4	3	4
Public	Texas A&M University System Health Sciences Center	0	0	0	0
Public	Texas Tech University	0	0	0	0
Private	Thomas Jefferson University	0	0	0	0
Private	Tufts University	0	2	0	1
Private	Tulane University	0	0	0	0
Public	University at Albany	0	0	0	0
Public	University at Buffalo	0	3	0	1
Public	University of Alabama - Birmingham	1	1	0	3
Public	University of Alabama - Huntsville	0	0	0	0
Public	University of Alabama - Tuscaloosa	0	0	0	0
Public	University of Alaska - Fairbanks	0	0	0	0
Public	University of Arizona	2	5	3	4
Public	University of Arkansas - Fayetteville	1	0	0	0
Public	University of Arkansas for Medical Sciences	0	0	0	0

2002 No. of Measures in Top 25 Nationally	2002 No. of Measures in Top 26-50 Nationally	2001 No. of Measures in Top 25 Nationally	2001 No. of Measures in Top 26-50 Nationally	2000 No. of Measures in Top 25 Nationally	2000 No. of Measures in Top 26-50 Nationally
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	8	1	8	2	7
0	4	0	3	0	3
0	0	0	0	0	0
0	0	0	0	0	0
3	5	4	5	3	5
3	4	3	4	3	3
0	0	0	0	0	0
0	1	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
4	3	3	3	2	4
5	2	5	2	5	1
1	4	1	4	1	6
0	0	0	0	0	1
2	1	2	1	2	3
1	2	1	2	1	2
0	0	0	0	0	0
1	4	0	4	0	3
0	0	0	1	0	2
0	0	0	0	0	0
9	0	9	0	9	0
0	0	0	0	0	0
0	2	1	1	0	3
0	0	0	0	0	1
0	0	0	0	0	1
3	4	3	3	3	4
0	0	0	0	0	0
0	0	0	0	0	0
0	1	0	0	0	1
0	2	0	1	0	2
0	0	0	0	0	1
0	0	0	0	0	0
0	1	0	3	0	1
0	3	0	4	1	3
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
2	5	3	4	3	3
0	0	0	0	0	0
0	0	0	0	0	0

### TheCenter Measures - National Rankings

Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		2004 No. of Measures in Top 25 Nationally	2004 No. of Measures in Top 26-50 Nationally	2003 No. of Measures in Top 25 Nationally	2003 No. of Measures in Top 26-50 Nationally
Public	University of California - Berkeley	8	0	8	0
Public	University of California - Davis	2	4	2	3
Public	University of California - Irvine	0	2	0	3
Public	University of California - Los Angeles	7	0	7	1
Public	University of California - Riverside	0	0	0	0
Public	University of California - San Diego	5	2	4	3
Public	University of California - San Francisco	5	1	4	1
Public	University of California - Santa Barbara	1	0	1	1
Public	University of California - Santa Cruz	0	0	0	0
Public	University of Central Florida	0	0	0	0
Private	University of Chicago	4	5	4	4
Public	University of Cincinnati - Cincinnati	0	2	0	3
Public	University of Colorado - Boulder	1	4	2	4
Public	University of Colorado Health Sciences Center	0	1	0	2
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	1	0	1
Public	University of Florida	3	4	3	3
Public	University of Georgia	1	1	1	1
Public	University of Hawaii - Manoa	0	0	0	0
Public	University of Houston - University Park	0	0	0	0
Public	University of Idaho	0	0	0	0
Public	University of Illinois - Chicago	0	4	0	3
Public	University of Illinois - Urbana-Champaign	4	2	5	1
Public	University of Iowa	0	6	0	6
Public	University of Kansas - Lawrence	0	0	0	1
Public	University of Kansas Medical Center	0	0	0	0
Public	University of Kentucky	0	1	0	1
Public	University of Louisville	0	0	0	0
Public	University of Maine - Orono	0	0	0	0
Public	University of Maryland - Baltimore	0	1	0	1
Public	University of Maryland - Baltimore County	0	0	0	0
Public	University of Maryland - College Park	1	4	1	4
Public	University of Massachusetts - Amherst	0	1	0	1
Public	University of Massachusetts Medical Sch - Worcester	0	1	0	0
Public	University of Medicine & Dentistry of New Jersey	0	0	0	0
Private	University of Miami	0	1	0	1
Public	University of Michigan - Ann Arbor	8	0	7	1
Public	University of Minnesota - Twin Cities	6	2	7	1
Public	University of Mississippi - Oxford	0	0	0	1
Public	University of Missouri - Columbia	0	2	0	3
Public	University of Montana - Missoula	0	0	0	0
Public	University of Nebraska - Lincoln	0	1	0	0
Public	University of Nebraska Medical Center	0	0	0	0
Public	University of Nevada - Las Vegas	0	0	0	0

2002 No. of Measures in Top 25 Nationally	2002 No. of Measures in Top 26-50 Nationally	2001 No. of Measures in Top 25 Nationally	2001 No. of Measures in Top 26-50 Nationally	2000 No. of Measures in Top 25 Nationally	2000 No. of Measures in Top 26-50 Nationally
8	1	8	0	8	1
2	4	1	4	1	4
0	2	0	2	0	2
7	1	7	1	7	1
0	0	0	0	0	0
5	2	5	2	5	2
6	0	6	0	6	0
0	2	0	1	0	3
0	0	0	0	0	0
0	0	0	0	0	0
4	4	5	3	3	4
0	1	0	2	0	3
1	5	0	6	1	5
0	1	0	2	0	1
0	0	0	0	0	0
0	0	0	1	0	1
0	0	0	0	0	0
0	1	0	0	0	0
3	4	3	4	2	5
0	3	0	2	0	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	2	0	3	0	2
5	2	5	1	5	2
0	6	0	5	0	6
0	0	0	1	0	1
0	0	0	0	0	0
0	1	0	2	0	2
0	0	0	0	0	0
0	0	0	0	0	0
0	1	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
1	4	1	3	1	3
0	1	0	1	0	1
0	0	0	0	0	0
0	0	0	0	0	0
0	1	0	2	0	3
8	0	8	0	8	0
8	0	8	0	8	0
0	0	0	0	0	0
0	1	0	0	0	1
0	0	0	0	0	0
0	0	0	0	1	1
0	0	0	0	0	0
0	0	0	0	0	0



### TheCenter Measures - National Rankings

Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		2004 — No. of Measures in Top 25 Nationally	2004 — No. of Measures in Top 26-50 Nationally	2003 — No. of Measures in Top 25 Nationally	2003 — No. of Measures in Top 26-50 Nationally
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	3	5	5	3
Public	University of North Dakota	0	0	0	0
Private	University of Notre Dame	1	2	1	3
Public	University of Oklahoma - Norman	0	0	0	0
Public	University of Oklahoma Health Sciences Center	0	0	0	0
Public	University of Oregon	0	0	0	0
Private	University of Pennsylvania	8	1	8	1
Public	University of Pittsburgh - Pittsburgh	3	5	2	5
Public	University of Puerto Rico - Medical Sciences	0	0	0	0
Public	University of Rhode Island	0	0	0	0
Private	University of Rochester	0	5	0	5
Public	University of South Carolina - Columbia	0	0	0	1
Public	University of South Florida	0	0	0	0
Private	University of Southern California	7	1	6	2
Public	University of Southern Mississippi	0	0	0	0
Public	University of Tennessee - Knoxville	0	2	0	1
Public	University of Texas - Austin	6	1	3	4
Public	University of Texas Health Science Center - Houston	0	0	0	0
Public	University of Texas Health Science Ctr - San Antonio	0	0	0	0
Public	University of Texas MD Anderson Cancer Center	0	2	0	2
Public	University of Texas Medical Branch - Galveston	0	0	0	0
Public	University of Texas SW Medical Center - Dallas	0	5	0	5
Public	University of Utah	0	4	0	4
Public	University of Vermont	0	0	0	0
Public	University of Virginia	2	5	3	4
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	US Naval Postgraduate School	0	0	0	0
Public	Utah State University	0	0	0	0
Private	Vanderbilt University	1	5	2	3
Public	Virginia Commonwealth University	0	0	0	0
Public	Virginia Polytechnic Institute and State University	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	7	1	7	1
Public	Wayne State University	0	0	0	0
Public	West Virginia University	0	0	0	0
Private	Woods Hole Oceanographic Institution	0	0	0	0
Private	Yale University	7	2	7	2
Private	Yeshiva University	1	1	1	1

2002 No. of Measures in Top 25 Nationally	2002 No. of Measures in Top 26-50 Nationally	2001 No. of Measures in Top 25 Nationally	2001 No. of Measures in Top 26-50 Nationally	2000 No. of Measures in Top 25 Nationally	2000 No. of Measures in Top 26-50 Nationally
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
5	3	5	3	5	2
0	0	0	0	0	0
1	2	1	2	1	3
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
8	1	9	0	9	0
2	5	2	4	2	3
0	0	0	0	0	0
0	0	0	0	0	0
0	6	0	6	0	5
0	0	0	0	0	1
0	0	0	0	0	0
6	2	7	1	7	1
0	0	0	0	0	0
0	0	0	1	0	1
4	3	5	2	4	4
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	1	1	0
0	0	0	1	0	1
1	4	0	4	2	2
0	5	0	5	0	5
0	0	0	0	0	0
3	4	3	4	1	6
7	1	7	0	7	0
7	1	7	1	7	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
1	4	2	3	3	3
0	0	0	0	0	0
0	2	0	2	0	1
0	0	0	1	0	1
0	0	0	0	0	0
6	2	6	2	5	3
0	0	0	0	0	1
0	0	0	0	0	0
0	0	0	0	0	0
7	2	6	2	6	1
1	1	1	0	0	2

### TheCenter Measures - Control Rankings

Institutions with Over \$20 Million in Federal Research, Alphabetically		2004 — No. of Measures in Top 25 Among Privates/Publics	2004 — No. of Measures in Top 26-50 Among Privates/Publics	2003 — No. of Measures in Top 25 Among Privates/Publics	2003 — No. of Measures in Top 26-50 Among Privates/Publics
Public	Arizona State University - Tempe	1	3	0	3
Public	Auburn University	0	0	0	0
Private	Baylor College of Medicine	5	2	5	2
Private	Boston College	0	6	0	7
Private	Boston University	5	3	5	2
Private	Brandeis University	0	6	0	8
Private	Brown University	5	4	3	6
Private	California Institute of Technology	8	1	8	1
Private	Carnegie Mellon University	3	6	4	5
Private	Case Western Reserve University	7	1	8	1
Private	Charles R. Drew University of Medicine and Science	0	3	0	3
Public	Clemson University	1	0	0	1
Public	Colorado State University	0	4	0	4
Private	Columbia University	9	0	9	0
Private	Cornell University	8	1	8	1
Private	Dartmouth College	4	4	4	4
Public	Desert Research Institute	0	0	0	0
Private	Drexel University	0	6	0	4
Private	Duke University	9	0	9	0
Private	Emory University	7	2	8	1
Public	Florida A&M University	0	0	0	0
Public	Florida International University	0	0	0	0
Public	Florida State University	0	4	0	4
Public	George Mason University	0	0	0	0
Private	George Washington University	1	7	1	7
Private	Georgetown University	1	6	2	6
Public	Georgia Institute of Technology	6	2	6	2
Private	Harvard University	9	0	9	0
Private	Howard University	0	2	0	3
Public	Indiana University - Bloomington	1	4	1	4
Public	Indiana University-Purdue University - Indianapolis	1	4	1	3
Public	Iowa State University	0	8	0	8
Public	Jackson State University	0	0	0	0
Private	Johns Hopkins University	9	0	9	0
Public	Kansas State University	0	0	0	0
Private	Loma Linda University	0	0	0	1
Public	Louisiana State University - Baton Rouge	0	3	0	4
Public	Louisiana State University Health Sciences Center	0	0	0	0
Private	Loyola University Chicago	1	3	1	3
Private	Massachusetts Institute of Technology	9	0	9	0
Private	MCP Hahnemann University	0	2	0	2
Public	Medical College of Georgia	0	0	0	0
Private	Medical College of Wisconsin	0	3	0	3
Public	Medical University of South Carolina	0	1	0	1
Private	Meharry Medical College	0	1	0	0
Public	Michigan State University	6	2	4	4

2002 No. of Measures in Top 25 Among Privates/Publics	2002 No. of Measures in Top 26-50 Among Privates/Publics	2001 No. of Measures in Top 25 Among Privates/Publics	2001 No. of Measures in Top 26-50 Among Privates/Publics	2000 No. of Measures in Top 25 Among Privates/Publics	2000 No. of Measures in Top 26-50 Among Privates/Publics
0	3	0	3	0	3
0	1	0	0	0	0
6	1	5	2	5	2
0	0	0	0	0	0
6	2	5	3	5	3
0	8	1	7	1	7
4	5	4	5	4	5
7	2	8	1	9	0
3	6	5	4	5	4
7	2	7	2	6	3
0	3	0	3	0	0
0	2	0	1	0	0
0	4	0	4	0	5
9	0	9	0	9	0
8	1	9	0	8	1
5	3	5	3	4	4
0	0	0	0	0	0
0	0	0	0	0	0
9	0	9	0	9	0
7	2	4	5	5	4
0	0	0	0	0	0
0	0	0	0	0	0
0	5	0	3	0	3
0	0	0	0	0	0
1	6	1	6	1	7
2	6	1	8	3	5
7	1	7	1	6	1
9	0	9	0	9	0
0	3	0	3	0	4
2	4	3	2	2	4
1	3	1	4	0	4
1	7	2	5	1	6
0	0	0	0	0	0
9	0	9	0	9	0
0	0	0	0	0	0
0	0	0	0	0	0
0	4	0	3	0	3
0	0	0	0	0	0
0	4	0	0	0	0
9	0	9	0	9	0
0	3	0	0	0	4
0	0	0	0	0	0
0	3	0	3	0	5
0	1	0	1	0	1
0	0	0	0	0	0
3	5	4	4	2	6

### TheCenter Measures - Control Rankings

Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		2004	2004	2003	2003
		No. of Measures in Top 25 Among Privates/Publics	No. of Measures in Top 26-50 Among Privates/Publics	No. of Measures in Top 25 Among Privates/Publics	No. of Measures in Top 26-50 Among Privates/Publics
Public	Mississippi State University	0	0	0	0
Public	Montana State University - Bozeman	0	0	0	0
Private	Morehouse School of Medicine	0	2	0	0
Private	Mount Sinai School of Medicine	2	1	2	1
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	1	8	1
Public	North Carolina State University	5	2	3	6
Public	North Dakota State University	0	0	0	0
Private	Northeastern University	0	1	0	3
Private	Northwestern University	8	1	9	0
Public	Ohio State University - Columbus	8	0	7	2
Public	Oklahoma State University - Stillwater	0	0	0	0
Public	Oregon Health & Science University	0	3	0	5
Public	Oregon State University	0	1	0	1
Public	Pennsylvania State University - Hershey Medical Ctr	0	0	0	0
Public	Pennsylvania State University - University Park	7	2	7	2
Private	Princeton University	7	2	8	1
Public	Purdue University - West Lafayette	4	4	5	3
Private	Rensselaer Polytechnic Institute	0	7	0	7
Private	Rice University	3	6	3	6
Private	Rockefeller University	5	2	5	2
Private	Rush University	0	4	0	4
Public	Rutgers the State University of NJ - New Brunswick	2	5	2	5
Private	Saint Louis University - St. Louis	0	5	0	4
Public	San Diego State University	0	0	0	0
Private	Stanford University	9	0	9	0
Public	State Univ. of New York Health Science Ctr - Brooklyn	0	0	0	0
Public	Stony Brook University	1	6	3	3
Private	Syracuse University	0	8	0	6
Public	Temple University	0	0	0	1
Public	Texas A&M University	5	4	5	4
Public	Texas A&M University System Health Sciences Center	0	0	0	0
Public	Texas Tech University	0	0	0	0
Private	Thomas Jefferson University	1	3	0	5
Private	Tufts University	1	7	1	7
Private	Tulane University	0	8	0	9
Public	University at Albany	0	0	0	0
Public	University at Buffalo	1	5	1	4
Public	University of Alabama - Birmingham	1	5	2	3
Public	University of Alabama - Huntsville	0	0	0	0
Public	University of Alabama - Tuscaloosa	0	1	0	1
Public	University of Alaska - Fairbanks	0	0	0	0
Public	University of Arizona	7	1	7	1
Public	University of Arkansas - Fayetteville	1	1	1	1
Public	University of Arkansas for Medical Sciences	0	0	0	0

2002 No. of Measures in Top 25 Among Privates/Publics	2002 No. of Measures in Top 26-50 Among Privates/Publics	2001 No. of Measures in Top 25 Among Privates/Publics	2001 No. of Measures in Top 26-50 Among Privates/Publics	2000 No. of Measures in Top 25 Among Privates/Publics	2000 No. of Measures in Top 26-50 Among Privates/Publics
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
2	1	2	1	0	4
0	0	0	0	0	0
0	0	0	0	0	0
7	2	7	2	8	1
4	4	2	7	2	5
0	0	0	0	0	0
0	3	0	3	0	4
8	1	9	0	9	0
7	2	7	1	6	2
0	1	0	0	0	1
0	3	0	3	0	2
0	2	0	3	0	2
0	0	0	0	0	0
7	2	8	1	8	1
7	2	8	1	8	1
5	3	5	3	6	2
1	6	0	7	0	6
3	6	3	6	4	5
4	3	3	4	3	4
0	4	0	3	0	4
3	5	4	5	4	5
0	5	0	5	0	7
0	0	0	0	0	0
9	0	9	0	9	0
0	0	0	0	0	0
2	4	2	4	2	4
0	5	0	7	0	7
0	1	0	1	0	2
6	3	6	3	7	2
0	0	0	0	0	0
0	0	0	0	0	0
1	3	1	3	1	3
1	7	2	6	2	5
0	8	0	7	0	7
0	0	0	0	0	0
0	5	1	6	1	6
3	3	4	2	3	2
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
6	2	7	0	6	2
0	1	0	0	0	0
0	0	0	0	0	0

### TheCenter Measures - Control Rankings

Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		2004	2004	2003	2003
		No. of Measures in Top 25 Among Privates/Publics	No. of Measures in Top 26-50 Among Privates/Publics	No. of Measures in Top 25 Among Privates/Publics	No. of Measures in Top 26-50 Among Privates/Publics
Public	University of California - Berkeley	9	0	9	0
Public	University of California - Davis	6	2	5	4
Public	University of California - Irvine	2	6	3	3
Public	University of California - Los Angeles	9	0	9	0
Public	University of California - Riverside	0	2	0	1
Public	University of California - San Diego	7	1	7	1
Public	University of California - San Francisco	6	0	6	1
Public	University of California - Santa Barbara	1	4	2	4
Public	University of California - Santa Cruz	0	1	0	2
Public	University of Central Florida	0	0	0	0
Private	University of Chicago	9	0	9	0
Public	University of Cincinnati - Cincinnati	1	6	2	5
Public	University of Colorado - Boulder	5	1	4	3
Public	University of Colorado Health Sciences Center	0	5	2	3
Public	University of Connecticut - Health Center	0	0	0	0
Public	University of Connecticut - Storrs	0	1	0	2
Private	University of Dayton	0	2	0	2
Public	University of Delaware	1	1	1	2
Public	University of Florida	8	1	8	1
Public	University of Georgia	2	5	2	5
Public	University of Hawaii - Manoa	0	2	0	2
Public	University of Houston - University Park	0	3	0	2
Public	University of Idaho	0	0	0	0
Public	University of Illinois - Chicago	2	3	0	6
Public	University of Illinois - Urbana-Champaign	8	1	8	1
Public	University of Iowa	6	3	6	3
Public	University of Kansas - Lawrence	1	2	1	3
Public	University of Kansas Medical Center	0	0	0	0
Public	University of Kentucky	0	7	0	7
Public	University of Louisville	0	1	0	2
Public	University of Maine - Orono	0	0	0	0
Public	University of Maryland - Baltimore	0	4	0	4
Public	University of Maryland - Baltimore County	0	1	0	1
Public	University of Maryland - College Park	6	3	6	2
Public	University of Massachusetts - Amherst	1	2	0	3
Public	University of Massachusetts Medical Sch - Worcester	1	1	0	3
Public	University of Medicine & Dentistry of New Jersey	0	3	0	3
Private	University of Miami	3	4	3	4
Public	University of Michigan - Ann Arbor	9	0	9	0
Public	University of Minnesota - Twin Cities	8	1	8	1
Public	University of Mississippi - Oxford	0	2	1	0
Public	University of Missouri - Columbia	1	5	0	6
Public	University of Montana - Missoula	0	0	0	0
Public	University of Nebraska - Lincoln	1	2	1	3
Public	University of Nebraska Medical Center	0	0	0	0
Public	University of Nevada - Las Vegas	0	0	0	0

2002 No. of Measures in Top 25 Among Privates/Publics	2002 No. of Measures in Top 26-50 Among Privates/Publics	2001 No. of Measures in Top 25 Among Privates/Publics	2001 No. of Measures in Top 26-50 Among Privates/Publics	2000 No. of Measures in Top 25 Among Privates/Publics	2000 No. of Measures in Top 26-50 Among Privates/Publics
9	0	9	0	9	0
6	3	5	4	6	3
2	3	2	4	2	3
9	0	9	0	9	0
0	2	0	0	0	2
5	3	6	2	6	2
7	0	7	0	7	0
1	5	1	5	1	5
0	2	0	2	0	3
0	0	0	0	0	0
9	0	9	0	8	1
1	6	1	5	1	5
4	2	4	4	4	4
1	3	1	4	1	4
0	0	0	0	0	0
0	2	0	1	0	1
0	2	0	2	0	3
1	1	1	2	1	1
8	1	9	0	8	1
3	4	2	5	2	5
0	2	0	3	0	4
0	3	0	4	0	3
0	0	0	0	0	0
1	4	2	3	1	5
9	0	8	1	8	1
7	2	5	4	7	2
1	4	1	4	1	3
0	0	0	0	0	0
0	7	0	6	0	7
0	0	0	0	0	0
0	0	0	0	0	0
0	4	0	3	0	4
0	1	0	0	0	0
6	3	5	4	5	4
0	3	0	3	0	3
0	1	0	2	0	1
0	2	0	2	0	1
3	3	4	1	3	4
9	0	9	0	9	0
8	1	8	1	8	1
0	0	0	0	0	0
0	7	0	7	0	6
0	0	0	0	0	0
1	2	1	2	2	2
0	0	0	0	0	0
0	0	0	0	0	0



### TheCenter Measures - Control Rankings

Institutions with Over \$20 Million in Federal Research, Alphabetically (continued)		2004 — No. of Measures in Top 25 Among Privates/Publics	2004 — No. of Measures in Top 26-50 Among Privates/Publics	2003 — No. of Measures in Top 25 Among Privates/Publics	2003 — No. of Measures in Top 26-50 Among Privates/Publics
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	4
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	2	7	3	6
Public	University of Oklahoma - Norman	0	3	0	2
Public	University of Oklahoma Health Sciences Center	0	0	0	0
Public	University of Oregon	0	3	0	3
Private	University of Pennsylvania	9	0	9	0
Public	University of Pittsburgh - Pittsburgh	7	2	7	2
Public	University of Puerto Rico - Medical Sciences	0	0	0	0
Public	University of Rhode Island	0	0	0	0
Private	University of Rochester	7	1	6	2
Public	University of South Carolina - Columbia	0	2	0	4
Public	University of South Florida	0	3	0	1
Private	University of Southern California	8	0	8	0
Public	University of Southern Mississippi	0	0	0	0
Public	University of Tennessee - Knoxville	1	4	0	3
Public	University of Texas - Austin	8	1	7	2
Public	University of Texas Health Science Center - Houston	0	1	0	1
Public	University of Texas Health Science Ctr - San Antonio	0	2	0	1
Public	University of Texas MD Anderson Cancer Center	1	3	1	3
Public	University of Texas Medical Branch - Galveston	0	2	0	2
Public	University of Texas SW Medical Center - Dallas	4	3	5	2
Public	University of Utah	3	5	3	5
Public	University of Vermont	0	0	0	0
Public	University of Virginia	8	1	7	1
Public	University of Washington - Seattle	8	0	8	0
Public	University of Wisconsin - Madison	9	0	9	0
Public	University of Wyoming	0	0	0	0
Public	US Naval Postgraduate School	0	0	0	0
Public	Utah State University	0	0	0	1
Private	Vanderbilt University	8	1	8	0
Public	Virginia Commonwealth University	0	1	0	0
Public	Virginia Polytechnic Institute and State University	0	8	1	7
Private	Wake Forest University	0	7	0	7
Public	Washington State University - Pullman	1	3	0	3
Private	Washington University in St. Louis	9	0	8	1
Public	Wayne State University	0	4	0	4
Public	West Virginia University	0	1	0	0
Private	Woods Hole Oceanographic Institution	0	4	0	2
Private	Yale University	9	0	9	0
Private	Yeshiva University	2	5	3	5

2002 No. of Measures in Top 25 Among Privates/Publics	2002 No. of Measures in Top 26-50 Among Privates/Publics	2001 No. of Measures in Top 25 Among Privates/Publics	2001 No. of Measures in Top 26-50 Among Privates/Publics	2000 No. of Measures in Top 25 Among Privates/Publics	2000 No. of Measures in Top 26-50 Among Privates/Publics
0	0	0	0	0	0
0	0	0	0	0	0
0	1	0	1	0	2
9	0	9	0	9	0
0	0	0	0	0	0
3	6	3	6	3	6
0	3	0	2	0	3
0	0	0	0	0	0
0	1	0	1	0	3
9	0	9	0	9	0
7	2	6	2	6	2
0	0	0	0	0	0
0	0	0	0	0	0
6	3	7	2	6	2
0	5	0	3	0	3
0	1	0	1	0	1
8	0	8	0	8	0
0	0	0	0	0	0
0	3	0	3	0	2
7	2	7	2	7	2
0	2	0	3	0	3
0	1	0	1	0	0
0	4	1	4	1	4
0	2	1	1	1	1
4	3	4	3	4	3
3	4	5	3	5	2
0	0	0	0	0	0
7	2	8	1	7	2
8	1	8	1	8	1
9	0	8	1	8	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
8	0	7	1	7	2
0	0	0	1	0	2
0	7	0	7	1	6
0	7	0	6	0	7
0	3	0	4	0	2
8	1	8	1	8	1
0	2	0	3	0	5
0	0	0	1	0	1
0	3	0	3	0	3
9	0	9	0	9	0
4	4	2	6	2	6



## 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.

*TheCenter* 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 (a total of 188 institutions). In the case of faculty awards, we limit institutions to those with at least three faculty awards (a total of 193 institutions). Tables in this section include:

- 2002 Total Research Expenditures
- 2002 Federal Research Expenditures
- 2003 Endowment Assets
- 2003 Annual Giving
- 2003 National Academy Membership

- 2003 Faculty Awards
- 2003 Doctorates Granted
- 2002 Postdoctoral Appointees
- 2002 SAT Scores (Source: the Annual Survey of Colleges of the College Board and Data Base, 2003-2004. Copyright © 2003 College Entrance Examination Board. All rights reserved.)
- 2003 National Merit and Achievement Scholars

Data found in these tables may not always match the figures published by the original source. *TheCenter* 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, *TheCenter* 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.

*TheCenter* presents these tables, along with the prior years' top 200, as Microsoft Excel spreadsheets on-line at <http://thecenter.ufl.edu>.

### The Top 200 Institutions - Total Research Expenditures (2002)

Top 50 Institutions in Total Research Expenditures (2002)	Total Research x \$1000	National Rank	Control Rank	Institutional Control
Johns Hopkins University	1,140,235	1	1	Private
University of California - Los Angeles	787,598	2	1	Public
University of Michigan - Ann Arbor	673,724	3	2	Public
University of Wisconsin - Madison	662,101	4	3	Public
University of Washington - Seattle	627,273	5	4	Public
University of California - San Francisco	596,965	6	5	Public
University of California - San Diego	585,008	7	6	Public
Stanford University	538,474	8	2	Private
University of Pennsylvania	522,269	9	3	Private
Cornell University	496,123	10	4	Private
University of Minnesota - Twin Cities	494,265	11	7	Public
University of California - Berkeley	474,746	12	8	Public
University of California - Davis	456,653	13	9	Public
Massachusetts Institute of Technology	455,491	14	5	Private
Pennsylvania State University - University Park	443,465	15	10	Public
Duke University	441,533	16	6	Private
Texas A&M University	436,681	17	11	Public
Ohio State University - Columbus	432,387	18	12	Public
University of Illinois - Urbana-Champaign	427,174	19	13	Public
Washington University in St. Louis	416,960	20	7	Private
Baylor College of Medicine	411,924	21	8	Private
Columbia University	405,403	22	9	Private
Harvard University	401,367	23	10	Private
University of Pittsburgh - Pittsburgh	400,200	24	14	Public
University of Arizona	390,827	25	15	Public
University of Florida	386,316	26	16	Public
University of Southern California	372,397	27	11	Private
University of North Carolina - Chapel Hill	370,806	28	17	Public
Yale University	354,243	29	12	Private
Georgia Institute of Technology	340,347	30	18	Public
University of Maryland - College Park	324,980	31	19	Public
University of Texas - Austin	320,966	32	20	Public
North Carolina State University	290,018	33	21	Public
Michigan State University	289,787	34	22	Public
University of Iowa	288,808	35	23	Public
Purdue University - West Lafayette	285,778	36	24	Public
University of Georgia	284,660	37	25	Public
Northwestern University	282,154	38	13	Private
Emory University	271,238	39	14	Private
University of Maryland - Baltimore	266,822	40	26	Public
University of Texas SW Medical Center - Dallas	263,958	41	27	Public
University of Texas MD Anderson Cancer Center	262,145	42	28	Public
University of Rochester	261,601	43	15	Private
University of Illinois - Chicago	259,852	44	29	Public
University of Alabama - Birmingham	255,053	45	30	Public
University at Buffalo	239,735	46	31	Public
University of Kentucky	236,275	47	32	Public
Virginia Polytechnic Institute and State University	232,560	48	33	Public
Rutgers the State University of NJ - New Brunswick	230,358	49	34	Public
University of Chicago	225,264	50	16	Private

**The Top 200 Institutions - Total Research Expenditures (2002), *continued***

Top 51-100 Institutions in Total Research Expenditures (2002)	Total Research x \$1000	National Rank	Control Rank	Institutional Control
New York University	222,978	51	17	Private
California Institute of Technology	220,004	52	18	Private
University of Colorado - Boulder	219,900	53	35	Public
Case Western Reserve University	219,042	54	19	Private
University of Cincinnati - Cincinnati	217,739	55	36	Public
University of Utah	216,707	56	37	Public
University of California - Irvine	209,469	57	38	Public
Vanderbilt University	208,305	58	20	Private
Wayne State University	199,007	59	39	Public
Louisiana State University - Baton Rouge	197,993	60	40	Public
University of South Florida	197,894	61	41	Public
Boston University	192,612	62	21	Private
Iowa State University	188,664	63	42	Public
Carnegie Mellon University	188,191	64	22	Private
University of Tennessee - Knoxville	185,437	65	43	Public
Mount Sinai School of Medicine	185,335	66	23	Private
Stony Brook University	184,045	67	44	Public
University of Virginia	182,340	68	45	Public
Indiana University-Purdue University - Indianapolis	179,448	69	46	Public
Colorado State University	178,845	70	47	Public
University of Medicine & Dentistry of New Jersey	178,156	71	48	Public
University of Missouri - Columbia	177,011	72	49	Public
University of Colorado Health Sciences Center	175,920	73	50	Public
University of Nebraska - Lincoln	171,431	74	51	Public
University of Miami	171,319	75	24	Private
Rockefeller University	166,603	76	25	Private
Princeton University	164,408	77	26	Private
University of Hawaii - Manoa	161,823	78	52	Public
Oregon State University	161,735	79	53	Public
Oregon Health & Science University	158,729	80	54	Public
Mississippi State University	158,652	81	55	Public
Yeshiva University	157,124	82	27	Private
University of New Mexico - Albuquerque	150,598	83	56	Public
Washington State University - Pullman	138,726	84	57	Public
University of Texas Health Science Center - Houston	138,380	85	58	Public
Clemson University	134,840	86	59	Public
Florida State University	134,351	87	60	Public
University of Massachusetts Medical Sch - Worcester	132,729	88	61	Public
Medical University of South Carolina	132,030	89	62	Public
University of California - Santa Barbara	131,795	90	63	Public
University of Texas Health Science Ctr - San Antonio	129,616	91	64	Public
University of Texas Medical Branch - Galveston	129,534	92	65	Public
Dartmouth College	126,839	93	28	Private
University of South Carolina - Columbia	123,108	94	66	Public
Arizona State University - Tempe	123,016	95	67	Public
Utah State University	121,621	96	68	Public
Indiana University - Bloomington	119,632	97	69	Public
University of Alaska - Fairbanks	116,279	98	70	Public
University of California - Riverside	111,936	99	71	Public
Wake Forest University	111,634	100	29	Private

**The Top 200 Institutions - Total Research Expenditures (2002), continued**

Top 101-150 Institutions in Total Research Expenditures (2002)	Total Research x \$1000	National Rank	Control Rank	Institutional Control
Virginia Commonwealth University	109,619	101	72	Public
Brown University	109,482	102	30	Private
University of Massachusetts - Amherst	109,332	103	73	Public
Tufts University	109,291	104	31	Private
Auburn University	108,775	105	74	Public
Kansas State University	106,804	106	75	Public
University of Oklahoma - Norman	106,705	107	76	Public
University of Kansas - Lawrence	103,451	108	77	Public
New Mexico State University - Las Cruces	103,078	109	78	Public
Tulane University	102,998	110	32	Private
Thomas Jefferson University	102,974	111	33	Private
Woods Hole Oceanographic Institution	99,964	112	34	Private
Medical College of Wisconsin	96,700	113	35	Private
Georgetown University	96,450	114	36	Private
University of Connecticut - Storrs	96,322	115	79	Public
Oklahoma State University - Stillwater	94,987	116	80	Public
University of New Hampshire - Durham	93,222	117	81	Public
University of Vermont	88,602	118	82	Public
George Washington University	86,288	119	37	Private
University of Delaware	85,157	120	83	Public
West Virginia University	84,985	121	84	Public
University of Arkansas - Fayetteville	83,063	122	85	Public
University of Louisville	80,974	123	86	Public
Rush University	79,394	124	38	Private
Montana State University - Bozeman	78,211	125	87	Public
University of Idaho	76,758	126	88	Public
University of Connecticut - Health Center	75,681	127	89	Public
North Dakota State University	72,105	128	90	Public
University of Nebraska Medical Center	71,000	129	91	Public
University of California - Santa Cruz	70,967	130	92	Public
University of Kansas Medical Center	68,680	131	93	Public
University at Albany	67,493	132	94	Public
University of Nevada - Reno	66,721	133	95	Public
University of Central Florida	66,351	134	96	Public
San Diego State University	64,302	135	97	Public
Louisiana State University Health Sciences Center	64,082	136	98	Public
Temple University	63,850	137	99	Public
Texas Tech University	63,248	138	100	Public
University of Oklahoma Health Sciences Center	62,668	139	101	Public
University of Maine - Orono	62,149	140	102	Public
New Jersey Institute of Technology	61,424	141	103	Public
University of Houston - University Park	59,707	142	104	Public
Southern Illinois University - Carbondale	53,604	143	105	Public
University of Rhode Island	53,347	144	106	Public
University of Notre Dame	52,371	145	39	Private
Medical College of Georgia	51,705	146	107	Public
Texas A&M University System Health Sciences Center	49,636	147	108	Public
Pennsylvania State University - Hershey Medical Ctr	49,274	148	109	Public
Charles R. Drew University of Medicine and Science	48,839	149	40	Private
University of Alabama - Huntsville	48,353	150	110	Public

**The Top 200 Institutions - Total Research Expenditures (2002), *continued***

Top 151-200 Institutions in Total Research Expenditures (2002)	Total Research x \$1000	National Rank	Control Rank	Institutional Control
Rice University	48,169	151	41	Private
University of Mississippi - Oxford	47,894	152	111	Public
University of Louisiana - Lafayette	47,796	153	112	Public
Florida International University	47,654	154	113	Public
Brandeis University	47,122	155	42	Private
University of Dayton	46,554	156	43	Private
Rensselaer Polytechnic Institute	45,955	157	44	Private
Syracuse University	45,870	158	45	Private
US Naval Postgraduate School	45,227	159	114	Public
University of Arkansas for Medical Sciences	45,046	160	115	Public
Georgia State University	44,564	161	116	Public
Drexel University	44,465	162	46	Private
University of Oregon	43,723	163	117	Public
University of Wyoming	41,632	164	118	Public
College of William and Mary	39,858	165	119	Public
University of Montana - Missoula	39,367	166	120	Public
George Mason University	38,849	167	121	Public
Northeastern University	38,540	168	47	Private
University of Maryland Center for Environmental Science	38,501	169	122	Public
MCP Hahnemann University	37,945	170	48	Private
Loyola University Chicago	37,607	171	49	Private
University of Alabama - Tuscaloosa	37,130	172	123	Public
Ohio University - Athens	36,601	173	124	Public
University of Maryland - Baltimore County	36,323	174	125	Public
New Mexico Institute of Mining and Technology	36,309	175	126	Public
Saint Louis University - St. Louis	35,444	176	50	Private
Howard University	35,387	177	51	Private
State Univ. of New York Health Science Ctr - Brooklyn	34,981	178	127	Public
University of Maryland Biotechnology Institute	34,440	179	128	Public
University of North Dakota	33,973	180	129	Public
University of Memphis	33,625	181	130	Public
University of Missouri - Rolla	32,222	182	131	Public
Boston College	31,754	183	52	Private
Florida A&M University	31,147	184	132	Public
Wright State University - Dayton	30,962	185	133	Public
University of Nevada - Las Vegas	30,527	186	134	Public
Michigan Technological University	30,005	187	135	Public
Desert Research Institute	29,465	188	136	Public
Old Dominion University	29,223	189	137	Public
University of Puerto Rico - Medical Sciences	29,089	190	138	Public
Uniformed Services University of the Health Sciences	28,630	191	139	Public
Eastern Virginia Medical School	28,572	192	53	Private
University of Akron - Akron	28,080	193	140	Public
Colorado School of Mines	26,515	194	141	Public
State Univ. of New York - Coll of Enviro Sci and Forestry	26,337	195	142	Public
University of Texas - Dallas	26,198	196	143	Public
City University of New York - Hunter College	25,905	197	144	Public
University of Southern Mississippi	25,685	198	145	Public
US Air Force Academy	25,589	199	146	Public
Jackson State University	25,445	200	147	Public



### The Top 200 Institutions - Federal Research Expenditures (2002)

Top 50 Institutions in Federal Research Expenditures (2002)	Federal Research x \$1000	National Rank	Control Rank	Institutional Control
Johns Hopkins University	1,022,510	1	1	Private
University of Washington - Seattle	487,059	2	1	Public
University of Michigan - Ann Arbor	444,255	3	2	Public
Stanford University	426,620	4	2	Private
University of Pennsylvania	397,587	5	3	Private
University of California - Los Angeles	366,762	6	3	Public
University of California - San Diego	359,383	7	4	Public
Columbia University	356,749	8	4	Private
University of Wisconsin - Madison	345,003	9	5	Public
Harvard University	336,607	10	5	Private
Massachusetts Institute of Technology	330,409	11	6	Private
University of California - San Francisco	327,393	12	6	Public
University of Pittsburgh - Pittsburgh	306,913	13	7	Public
Washington University in St. Louis	303,441	14	7	Private
University of Minnesota - Twin Cities	295,301	15	8	Public
Yale University	274,304	16	8	Private
Cornell University	270,578	17	9	Private
University of Southern California	266,645	18	10	Private
Duke University	261,356	19	11	Private
Baylor College of Medicine	259,475	20	12	Private
Pennsylvania State University - University Park	256,235	21	9	Public
University of North Carolina - Chapel Hill	254,571	22	10	Public
University of Texas - Austin	219,158	23	11	Public
University of California - Berkeley	217,297	24	12	Public
University of Alabama - Birmingham	216,221	25	13	Public
University of Illinois - Urbana-Champaign	214,323	26	14	Public
University of Arizona	211,772	27	15	Public
California Institute of Technology	199,944	28	13	Private
University of Rochester	195,298	29	14	Private
University of Maryland - College Park	194,095	30	16	Public
University of Colorado - Boulder	190,661	31	17	Public
Emory University	186,083	32	15	Private
University of Chicago	183,830	33	16	Private
Case Western Reserve University	181,888	34	17	Private
University of Iowa	180,743	35	18	Public
Northwestern University	178,607	36	18	Private
Ohio State University - Columbus	177,883	37	19	Public
University of California - Davis	176,644	38	20	Public
Vanderbilt University	172,858	39	19	Private
Boston University	171,438	40	20	Private
University of Florida	167,108	41	21	Public
Georgia Institute of Technology	165,680	42	22	Public
Texas A&M University	163,488	43	23	Public
University of Texas SW Medical Center - Dallas	155,258	44	24	Public
University of Virginia	152,358	45	25	Public
University of Cincinnati - Cincinnati	150,166	46	26	Public
New York University	149,995	47	21	Private
University of Colorado Health Sciences Center	146,400	48	27	Public
University of Illinois - Chicago	143,183	49	28	Public
University of Utah	142,625	50	29	Public

**The Top 200 Institutions - Federal Research Expenditures (2002), continued**

Top 51-100 Institutions in Federal Research Expenditures (2002)	Federal Research x \$1000	National Rank	Control Rank	Institutional Control
Carnegie Mellon University	137,967	51	22	Private
Oregon Health & Science University	130,231	52	30	Public
University at Buffalo	128,842	53	31	Public
Mount Sinai School of Medicine	125,979	54	23	Private
Michigan State University	122,595	55	32	Public
University of Miami	121,171	56	24	Private
University of Texas MD Anderson Cancer Center	117,633	57	33	Public
University of Maryland - Baltimore	117,017	58	34	Public
University of California - Irvine	115,548	59	35	Public
Yeshiva University	114,268	60	25	Private
Colorado State University	112,650	61	36	Public
University of Hawaii - Manoa	110,882	62	37	Public
Stony Brook University	108,122	63	38	Public
Purdue University - West Lafayette	107,477	64	39	Public
University of New Mexico - Albuquerque	104,252	65	40	Public
University of Kentucky	100,426	66	41	Public
University of Texas Health Science Center - Houston	98,676	67	42	Public
Princeton University	97,724	68	26	Private
Wayne State University	95,910	69	43	Public
University of Massachusetts Medical Sch - Worcester	93,992	70	44	Public
Wake Forest University	91,738	71	27	Private
Oregon State University	91,683	72	45	Public
University of Medicine & Dentistry of New Jersey	90,235	73	46	Public
University of Tennessee - Knoxville	88,167	74	47	Public
Dartmouth College	87,255	75	28	Private
Georgetown University	87,087	76	29	Private
University of South Florida	84,108	77	48	Public
University of Texas Health Science Ctr - San Antonio	83,761	78	49	Public
Virginia Polytechnic Institute and State University	82,976	79	50	Public
Rutgers the State University of NJ - New Brunswick	81,172	80	51	Public
Indiana University-Purdue University - Indianapolis	79,655	81	52	Public
Utah State University	79,393	82	53	Public
Thomas Jefferson University	79,217	83	30	Private
Woods Hole Oceanographic Institution	78,458	84	31	Private
University of California - Santa Barbara	78,370	85	54	Public
University of Texas Medical Branch - Galveston	78,100	86	55	Public
University of Georgia	78,086	87	56	Public
University of Missouri - Columbia	77,742	88	57	Public
Mississippi State University	77,521	89	58	Public
Medical College of Wisconsin	76,241	90	32	Private
Medical University of South Carolina	75,803	91	59	Public
North Carolina State University	75,204	92	60	Public
Tufts University	73,236	93	33	Private
Iowa State University	71,419	94	61	Public
Florida State University	70,456	95	62	Public
New Mexico State University - Las Cruces	70,314	96	63	Public
Brown University	68,215	97	34	Private
Rockefeller University	67,559	98	35	Private
University of Alaska - Fairbanks	66,169	99	64	Public
Virginia Commonwealth University	65,028	100	65	Public

**The Top 200 Institutions - Federal Research Expenditures (2002), *continued***

Top 101-150 Institutions in Federal Research Expenditures (2002)	Federal Research x \$1000	National Rank	Control Rank	Institutional Control
Tulane University	64,824	101	36	Private
Arizona State University - Tempe	64,407	102	66	Public
George Washington University	58,729	103	37	Private
University of Vermont	58,280	104	67	Public
Washington State University - Pullman	55,593	105	68	Public
University of Massachusetts - Amherst	54,770	106	69	Public
University of South Carolina - Columbia	53,403	107	70	Public
Indiana University - Bloomington	53,104	108	71	Public
Louisiana State University - Baton Rouge	52,784	109	72	Public
University of Connecticut - Storrs	52,263	110	73	Public
University of Nebraska - Lincoln	51,405	111	74	Public
University of New Hampshire - Durham	50,829	112	75	Public
West Virginia University	49,394	113	76	Public
University of Kansas - Lawrence	49,184	114	77	Public
University of Delaware	48,183	115	78	Public
Clemson University	47,174	116	79	Public
University of Rhode Island	45,453	117	80	Public
Rush University	44,756	118	38	Private
Temple University	44,577	119	81	Public
US Naval Postgraduate School	44,379	120	82	Public
Kansas State University	43,988	121	83	Public
Auburn University	42,432	122	84	Public
University of Connecticut - Health Center	41,063	123	85	Public
University at Albany	40,497	124	86	Public
University of Dayton	40,191	125	39	Private
Montana State University - Bozeman	39,986	126	87	Public
University of Nevada - Reno	39,958	127	88	Public
Rice University	39,739	128	40	Private
Charles R. Drew University of Medicine and Science	39,259	129	41	Private
University of Louisville	38,978	130	89	Public
University of Mississippi - Oxford	38,671	131	90	Public
University of Oklahoma - Norman	37,470	132	91	Public
University of Oregon	37,177	133	92	Public
University of Alabama - Huntsville	35,660	134	93	Public
Howard University	33,949	135	42	Private
University of Kansas Medical Center	33,479	136	94	Public
University of Idaho	33,465	137	95	Public
University of Notre Dame	33,285	138	43	Private
University of California - Santa Cruz	32,901	139	96	Public
Syracuse University	32,704	140	44	Private
University of California - Riverside	32,305	141	97	Public
Florida International University	32,057	142	98	Public
University of Oklahoma Health Sciences Center	31,918	143	99	Public
George Mason University	31,890	144	100	Public
University of Houston - University Park	31,455	145	101	Public
Saint Louis University - St. Louis	31,215	146	45	Private
Oklahoma State University - Stillwater	31,100	147	102	Public
Louisiana State University Health Sciences Center	30,749	148	103	Public
Drexel University	30,232	149	46	Private
University of Central Florida	29,929	150	104	Public

**The Top 200 Institutions - Federal Research Expenditures (2002),** *continued*

Top 151-200 Institutions in Federal Research Expenditures (2002)	Federal Research x \$1000	National Rank	Control Rank	Institutional Control
University of Maryland - Baltimore County	29,376	151	105	Public
Brandeis University	29,006	152	47	Private
University of Nebraska Medical Center	28,602	153	106	Public
Pennsylvania State University - Hershey Medical Ctr	28,471	154	107	Public
Loyola University Chicago	27,678	155	48	Private
University of Arkansas - Fayetteville	27,588	156	108	Public
University of Arkansas for Medical Sciences	27,491	157	109	Public
University of Alabama - Tuscaloosa	26,900	158	110	Public
MCP Hahnemann University	26,619	159	49	Private
Rensselaer Polytechnic Institute	26,490	160	50	Private
New Jersey Institute of Technology	25,641	161	111	Public
State Univ. of New York Health Science Ctr - Brooklyn	25,495	162	112	Public
San Diego State University	25,223	163	113	Public
University of North Dakota	25,004	164	114	Public
Northeastern University	24,295	165	51	Private
University of Puerto Rico - Medical Sciences	23,931	166	115	Public
University of Maine - Orono	23,732	167	116	Public
Medical College of Georgia	23,317	168	117	Public
Boston College	22,827	169	52	Private
Desert Research Institute	22,760	170	118	Public
University of Montana - Missoula	22,612	171	119	Public
Texas A&M University System Health Sciences Center	22,417	172	120	Public
University of Southern Mississippi	22,398	173	121	Public
University of Nevada - Las Vegas	22,367	174	122	Public
Morehouse School of Medicine	21,919	175	53	Private
Jackson State University	21,721	176	123	Public
Florida A&M University	21,592	177	124	Public
North Dakota State University	21,414	178	125	Public
Meharry Medical College	20,453	179	54	Private
Texas Tech University	20,390	180	126	Public
Loma Linda University	20,114	181	55	Private
University of Wyoming	20,017	182	127	Public
New York Medical College	19,318	183	56	Private
Georgia State University	18,967	184	128	Public
New Mexico Institute of Mining and Technology	18,864	185	129	Public
College of William and Mary	18,007	186	130	Public
Michigan Technological University	17,973	187	131	Public
Catholic University of America	17,925	188	57	Private
Ohio University - Athens	17,677	189	132	Public
Old Dominion University	17,170	190	133	Public
University of Texas - El Paso	16,457	191	134	Public
Wright State University - Dayton	16,070	192	135	Public
University of South Alabama - Mobile	15,922	193	136	Public
San Jose State University	15,777	194	137	Public
University of Missouri - Rolla	15,749	195	138	Public
Florida Atlantic University	15,566	196	139	Public
Clark Atlanta University	15,325	197	58	Private
University of Massachusetts - Lowell	14,932	198	140	Public
City University of New York - Hunter College	14,573	199	141	Public
University of New Orleans	14,395	200	142	Public

## The Top 200 Institutions - Endowment Assets (2003)

Top 50 Institutions in Endowment Assets (2003)	Endowment Assets x \$1000	National Rank	Control Rank	Institutional Control
Harvard University	18,849,491	1	1	Private
Yale University	11,034,600	2	2	Private
Princeton University	8,730,100	3	3	Private
Stanford University	8,614,000	4	4	Private
Massachusetts Institute of Technology	5,133,613	5	5	Private
Columbia University	4,350,000	6	6	Private
Emory University	4,019,766	7	7	Private
University of Pennsylvania	3,547,473	8	8	Private
Texas A&M University	3,525,114	9	1	Public
Washington University in St. Louis	3,454,704	10	9	Private
University of Michigan - Ann Arbor	3,395,225	11	2	Public
University of Chicago	3,221,833	12	10	Private
Northwestern University	3,051,167	13	11	Private
Duke University	3,017,261	14	12	Private
Rice University	2,937,649	15	13	Private
Cornell University	2,854,771	16	14	Private
University of Notre Dame	2,573,346	17	15	Private
Dartmouth College	2,121,183	18	16	Private
University of Southern California	2,113,666	19	17	Private
Vanderbilt University	2,019,139	20	18	Private
University of Virginia	1,800,882	21	3	Public
University of California - Berkeley	1,793,647	22	4	Public
Johns Hopkins University	1,714,541	23	19	Private
University of Texas - Austin	1,640,724	24	5	Public
Brown University	1,461,327	25	20	Private
University of Minnesota - Twin Cities	1,336,020	26	6	Public
Case Western Reserve University	1,289,274	27	21	Private
Rockefeller University	1,278,100	28	22	Private
New York University	1,244,600	29	23	Private
Ohio State University - Columbus	1,216,574	30	7	Public
University of Pittsburgh - Pittsburgh	1,156,618	31	8	Public
California Institute of Technology	1,145,216	32	24	Private
University of Rochester	1,127,350	33	25	Private
Grinnell College	1,111,615	34	26	Private
University of Washington - Seattle	1,103,197	35	9	Public
University of North Carolina - Chapel Hill	1,097,418	36	10	Public
Williams College	1,082,336	37	27	Private
Wellesley College	1,043,476	38	28	Private
Georgia Institute of Technology	1,021,481	39	11	Public
Purdue University - West Lafayette	1,017,667	40	12	Public
University of Richmond	996,710	41	29	Private
Pomona College	994,476	42	30	Private
Boston College	968,511	43	31	Private
Swarthmore College	930,373	44	32	Private
Yeshiva University	914,130	45	33	Private
Amherst College	877,151	46	34	Private
University of Cincinnati - Cincinnati	873,327	47	13	Public
University of Delaware	868,065	48	14	Public
University of Wisconsin - Madison	850,335	49	15	Public
Baylor College of Medicine	833,644	50	35	Private

**The Top 200 Institutions - Endowment Assets (2003), continued**

Top 51-100 Institutions in Endowment Assets (2003)	Endowment Assets x \$1000	National Rank	Control Rank	Institutional Control
Smith College	823,915	51	36	Private
Southern Methodist University	810,071	52	37	Private
Texas Christian University	796,676	53	38	Private
Wake Forest University	725,155	54	39	Private
Lehigh University	705,426	55	40	Private
Berea College	695,812	56	41	Private
Pennsylvania State University - University Park	689,567	57	16	Public
Tufts University	669,286	58	42	Private
Syracuse University	656,893	59	43	Private
University of Texas SW Medical Center - Dallas	656,221	60	17	Public
Carnegie Mellon University	654,678	61	44	Private
Saint Louis University - St. Louis	645,382	62	45	Private
University of Tulsa	640,119	63	46	Private
University of Iowa	638,996	64	18	Public
George Washington University	634,100	65	47	Private
Tulane University	633,740	66	48	Private
Boston University	620,300	67	49	Private
University of Illinois - Urbana-Champaign	615,373	68	19	Public
Trinity University	593,973	69	50	Private
Michigan State University	592,004	70	20	Public
Georgetown University	591,042	71	51	Private
University of Florida	585,695	72	21	Public
University of Nebraska - Lincoln	581,789	73	22	Public
Berry College	575,873	74	52	Private
University of Kansas - Lawrence	572,938	75	23	Public
Baylor University	561,842	76	53	Private
Yassar College	546,854	77	54	Private
Oberlin College	537,772	78	55	Private
Middlebury College	536,386	79	56	Private
Rensselaer Polytechnic Institute	510,883	80	57	Private
University of California - Los Angeles	499,139	81	24	Public
Lafayette College	496,410	82	58	Private
Washington State University - Pullman	495,623	83	25	Public
University of Arkansas - Fayetteville	493,775	84	26	Public
Indiana University - Bloomington	489,355	85	27	Public
University of Louisville	475,193	86	28	Public
Wesleyan University	472,251	87	59	Private
Bowdoin College	452,436	88	60	Private
Carleton College	451,925	89	61	Private
University of Tennessee - Knoxville	444,146	90	29	Public
Macalester College	435,732	91	62	Private
University of Missouri - Columbia	433,936	92	30	Public
Indiana University-Purdue University - Indianapolis	423,481	93	31	Public
Colgate University	423,406	94	63	Private
Bryn Mawr College	418,502	95	64	Private
Washington and Lee University	416,855	96	65	Private
University of Kentucky	412,308	97	32	Public
University of Oklahoma - Norman	412,068	98	33	Public
University of Miami	411,618	99	66	Private
Northeastern University	410,691	100	67	Private

**The Top 200 Institutions - Endowment Assets (2003), continued**

Top 101-150 Institutions in Endowment Assets (2003)	Endowment Assets x \$1000	National Rank	Control Rank	Institutional Control
Brandeis University	407,824	101	68	Private
Hamilton College (NY)	405,890	102	69	Private
Santa Clara University	401,411	103	70	Private
Denison University	398,948	104	71	Private
Principia College	397,486	105	72	Private
University of Georgia	397,082	106	34	Public
Pepperdine University	393,838	107	73	Private
University at Buffalo	378,385	108	35	Public
DePauw University	376,030	109	74	Private
Colorado College	372,073	110	75	Private
Rutgers the State University of NJ - New Brunswick	366,324	111	36	Public
Mount Holyoke College	357,704	112	76	Private
Bucknell University	355,905	113	77	Private
Rochester Institute of Technology	355,481	114	78	Private
College of William and Mary	354,906	115	37	Public
Drexel University	349,948	116	79	Private
College of the Holy Cross	346,278	117	80	Private
University of Alabama - Tuscaloosa	342,107	118	38	Public
Trinity College (CT)	340,832	119	81	Private
Iowa State University	339,330	120	39	Public
Florida State University	333,750	121	40	Public
University of Utah	333,253	122	41	Public
Virginia Polytechnic Institute and State University	331,311	123	42	Public
Colby College	321,584	124	82	Private
Howard University	317,110	125	83	Private
University of South Carolina - Columbia	312,548	126	43	Public
University of Texas Medical Branch - Galveston	306,674	127	44	Public
Earlham College	301,163	128	84	Private
Wabash College	298,264	129	85	Private
University of Arizona	297,745	130	45	Public
Reed College	296,525	131	86	Private
Rush University	293,326	132	87	Private
University of Maryland - College Park	289,615	133	46	Public
North Carolina State University	289,060	134	47	Public
Claremont McKenna College	285,916	135	88	Private
Davidson College	283,935	136	89	Private
Agnes Scott College	283,000	137	90	Private
University of Houston - University Park	280,399	138	48	Public
Haverford College	278,404	139	91	Private
West Virginia University	275,058	140	49	Public
University of Mississippi - Oxford	273,477	141	50	Public
Loyola University New Orleans	273,178	142	92	Private
Woods Hole Oceanographic Institution	269,300	143	93	Private
Southwestern University	265,434	144	94	Private
Whitman College	261,787	145	95	Private
Bryn Athyn College of the New Church	259,982	146	96	Private
University of California - San Francisco	259,465	147	51	Public
University of Dayton	258,064	148	97	Private
Franklin & Marshall College	255,881	149	98	Private
College of the Ozarks	254,587	150	99	Private

**The Top 200 Institutions - Endowment Assets (2003), continued**

Top 151-200 Institutions in Endowment Assets (2003)	Endowment Assets x \$1000	National Rank	Control Rank	Institutional Control
Worcester Polytechnic Institute	254,570	151	100	Private
Oregon Health & Science University	249,603	152	52	Public
University of South Florida	248,656	153	53	Public
University of Texas Health Science Ctr - San Antonio	246,573	154	54	Public
Regent University	243,771	155	101	Private
University of Alabama - Birmingham	242,125	156	55	Public
University of South Alabama - Mobile	241,000	157	56	Public
Union College (NY)	239,629	158	102	Private
Oregon State University	235,863	159	57	Public
University of Oregon	234,823	160	58	Public
Wheaton College (IL)	232,963	161	103	Private
Furman University	231,516	162	104	Private
Virginia Military Institute	230,212	163	59	Public
Occidental College	229,975	164	105	Private
Louisiana State University - Baton Rouge	227,232	165	60	Public
University of St. Thomas (MN)	226,989	166	106	Private
Auburn University	224,287	167	61	Public
Loyola Marymount University	221,714	168	107	Private
Arizona State University - Tempe	221,179	169	62	Public
Spelman College	219,369	170	108	Private
Fordham University	217,136	171	109	Private
Rhode Island School of Design	215,630	172	110	Private
Clemson University	213,448	173	63	Public
University of the South	211,860	174	111	Private
Samford University	209,953	175	112	Private
Miami University - Oxford	208,730	176	64	Public
University of Texas MD Anderson Cancer Center	205,089	177	65	Public
Marquette University	203,428	178	113	Private
University of New Mexico - Albuquerque	201,486	179	66	Public
Truckee Meadows Community College	200,112	180	67	Public
Texas Tech University	199,189	181	68	Public
Cooper Union for the Advancement of Science & Art	196,411	182	114	Private
University of Colorado - Boulder	193,468	183	69	Public
Drew University	193,011	184	115	Private
University of Vermont	192,786	185	70	Public
DePaul University	192,276	186	116	Private
Loyola University Chicago	192,100	187	117	Private
Rhodes College (TN)	190,588	188	118	Private
Creighton University	187,521	189	119	Private
College of Wooster	184,346	190	120	Private
Virginia Commonwealth University	184,017	191	71	Public
University of Texas - Dallas	181,753	192	72	Public
Willamette University	179,911	193	121	Private
National University	178,278	194	122	Private
Gettysburg College	177,796	195	123	Private
University of Oklahoma Health Sciences Center	176,601	196	73	Public
Villanova University	174,700	197	124	Private
Illinois Institute of Technology	173,546	198	125	Private
St. Lawrence University	170,361	199	126	Private
American University	169,115	200	127	Private



## The Top 200 Institutions - Annual Giving (2003)

Top 50 Institutions in Annual Giving (2003)	Annual Giving x \$1000	National Rank	Control Rank	Institutional Control
Harvard University	555,639	1	1	Private
Stanford University	486,075	2	2	Private
University of Pennsylvania	399,641	3	3	Private
Cornell University	356,201	4	4	Private
University of Arkansas - Fayetteville	333,049	5	1	Public
Johns Hopkins University	319,547	6	5	Private
University of California - Los Angeles	319,463	7	2	Public
University of Washington - Seattle	311,251	8	3	Public
University of Texas - Austin	309,484	9	4	Public
University of Southern California	305,982	10	6	Private
Duke University	296,827	11	7	Private
University of Wisconsin - Madison	286,915	12	5	Public
Columbia University	281,498	13	8	Private
University of Virginia	261,922	14	6	Public
University of Minnesota - Twin Cities	244,851	15	7	Public
Princeton University	227,532	16	9	Private
University of California - San Francisco	225,597	17	8	Public
Yale University	222,089	18	10	Private
New York University	207,932	19	11	Private
Ohio State University - Columbus	195,759	20	9	Public
Massachusetts Institute of Technology	191,463	21	12	Private
University of California - Berkeley	190,710	22	10	Public
University of Arizona	185,430	23	11	Public
University of Michigan - Ann Arbor	180,217	24	12	Public
University of Florida	176,689	25	13	Public
Northwestern University	176,111	26	13	Private
University of North Carolina - Chapel Hill	163,622	27	14	Public
University of Chicago	163,592	28	14	Private
Texas A&M University	142,310	29	15	Public
University of California - San Diego	138,589	30	16	Public
University of Utah	137,345	31	17	Public
California Institute of Technology	124,443	32	15	Private
Emory University	123,528	33	16	Private
North Carolina State University	122,748	34	18	Public
Pennsylvania State University - University Park	121,480	35	19	Public
Michigan State University	118,659	36	20	Public
University of Illinois - Urbana-Champaign	114,229	37	21	Public
University of Notre Dame	113,887	38	17	Private
Washington University in St. Louis	110,230	39	18	Private
Purdue University - West Lafayette	103,445	40	22	Public
Boston University	103,360	41	19	Private
University of Tennessee - Knoxville	102,016	42	23	Public
Indiana University-Purdue University - Indianapolis	99,336	43	24	Public
Vanderbilt University	98,800	44	20	Private
University of Pittsburgh - Pittsburgh	94,545	45	25	Public
University of Iowa	93,017	46	26	Public
University of Miami	92,770	47	21	Private
Dartmouth College	90,371	48	22	Private
Georgetown University	83,449	49	23	Private
Brown University	82,663	50	24	Private

**The Top 200 Institutions - Annual Giving (2003), *continued***

Top 51-100 Institutions in Annual Giving (2003)	Annual Giving x \$1000	National Rank	Control Rank	Institutional Control
University of Texas SW Medical Center - Dallas	82,654	51	27	Public
Rutgers the State University of NJ - New Brunswick	79,793	52	28	Public
Stony Brook University	79,484	53	29	Public
Case Western Reserve University	79,032	54	25	Private
University of Maryland - College Park	78,619	55	30	Public
Georgia Institute of Technology	74,369	56	31	Public
Brandeis University	72,066	57	26	Private
University of Kansas - Lawrence	70,567	58	32	Public
Brigham Young University - Provo	70,292	59	27	Private
Tufts University	70,069	60	28	Private
University of Oklahoma - Norman	64,834	61	33	Public
University of Missouri - Columbia	64,708	62	34	Public
University of California - Davis	64,664	63	35	Public
University of Texas MD Anderson Cancer Center	63,133	64	36	Public
Florida State University	62,898	65	37	Public
University of Oregon	62,544	66	38	Public
University of California - Santa Barbara	62,017	67	39	Public
University of Rochester	59,430	68	29	Private
George Washington University	59,344	69	30	Private
Arizona State University - Tempe	59,275	70	40	Public
University of Georgia	59,073	71	41	Public
Drexel University	58,019	72	31	Private
Rice University	57,930	73	32	Private
Wake Forest University	57,212	74	33	Private
University of Nebraska - Lincoln	55,578	75	42	Public
Wellesley College	54,951	76	34	Private
University of Kentucky	54,808	77	43	Public
Boston College	54,716	78	35	Private
Virginia Polytechnic Institute and State University	54,284	79	44	Public
Rockefeller University	54,043	80	36	Private
University of California - Irvine	53,226	81	45	Public
Tulane University	51,952	82	37	Private
University of Alabama - Birmingham	51,704	83	46	Public
University of Cincinnati - Cincinnati	51,491	84	47	Public
Baylor University	49,681	85	38	Private
Indiana University - Bloomington	49,283	86	48	Public
University of Mississippi - Oxford	48,900	87	49	Public
Baylor College of Medicine	47,971	88	39	Private
Iowa State University	47,365	89	50	Public
University of Illinois - Chicago	47,036	90	51	Public
University of South Carolina - Columbia	45,899	91	52	Public
University of Massachusetts - Lowell	45,496	92	53	Public
Washington State University - Pullman	45,420	93	54	Public
Kansas State University	44,786	94	55	Public
Auburn University	44,215	95	56	Public
College of William and Mary	43,441	96	57	Public
Carnegie Mellon University	43,377	97	40	Private
San Diego State University	43,373	98	58	Public
University of Alabama - Tuscaloosa	43,313	99	59	Public
University of Maryland - Baltimore	43,276	100	60	Public

**The Top 200 Institutions - Annual Giving (2003), *continued***

Top 101-150 Institutions in Annual Giving (2003)	Annual Giving x \$1000	National Rank	Control Rank	Institutional Control
Trinity College (CT)	43,246	101	41	Private
Oregon Health & Science University	42,627	102	61	Public
OGI School of Science & Engineering at OSHU	42,627	102	61	Public
University of Colorado Health Sciences Center	42,570	104	63	Public
West Virginia University	42,117	105	64	Public
Old Dominion University	41,344	106	65	Public
Rensselaer Polytechnic Institute	41,079	107	42	Private
University of New Mexico - Albuquerque	41,043	108	66	Public
Columbus State University	40,336	109	67	Public
Oklahoma State University - Stillwater	40,183	110	68	Public
Smith College	40,179	111	43	Private
University of Texas Medical Branch - Galveston	39,955	112	69	Public
Rose-Hulman Institute of Technology	39,683	113	44	Private
University of Colorado - Boulder	39,600	114	70	Public
Loyola Marymount University	39,039	115	45	Private
Southern Methodist University	38,976	116	46	Private
Louisiana State University - Baton Rouge	38,751	117	72	Public
Syracuse University	38,390	118	47	Private
Virginia Commonwealth University	38,242	119	73	Public
DePauw University	37,665	120	48	Private
Ball State University	37,339	121	74	Public
Clemson University	37,234	122	75	Public
University at Albany	36,746	123	76	Public
Williams College	35,739	124	49	Private
University of Denver	35,001	125	50	Private
University of Connecticut - Storrs	34,002	126	77	Public
Mississippi State University	33,930	127	78	Public
University of Delaware	33,597	128	79	Public
Valparaiso University	33,237	129	51	Private
University at Buffalo	32,856	130	80	Public
University of Louisville	32,817	131	81	Public
Vassar College	32,768	132	52	Private
US Naval Academy	32,507	133	82	Public
Oberlin College	32,160	134	53	Private
University of Nebraska Medical Center	31,086	135	83	Public
University of Massachusetts - Amherst	30,817	136	84	Public
Abilene Christian University	30,559	137	54	Private
Lehigh University	29,891	138	55	Private
Colgate University	29,667	139	56	Private
University of Texas Health Science Center - Houston	29,647	140	85	Public
Colorado State University	29,457	141	86	Public
Oregon State University	29,345	142	87	Public
Mount Holyoke College	29,215	143	57	Private
Bryn Mawr College	29,195	144	58	Private
University of Vermont	28,767	145	88	Public
University of Houston - University Park	28,519	146	89	Public
Middlebury College	28,431	147	59	Private
Marquette University	28,389	148	60	Private
Hillsdale College	28,040	149	61	Private
Wesleyan University	27,952	150	62	Private

**The Top 200 Institutions - Annual Giving (2003), *continued***

Top 151-200 Institutions in Annual Giving (2003)	Annual Giving x \$1000	National Rank	Control Rank	Institutional Control
University of Texas Health Science Ctr - San Antonio	27,775	151	90	Public
Indiana State University	27,105	152	91	Public
Temple University	26,920	153	92	Public
Texas Tech University	26,822	154	93	Public
Texas Christian University	26,524	155	63	Private
Creighton University	25,757	156	64	Private
Santa Clara University	25,676	157	65	Private
Michigan Technological University	25,301	158	94	Public
Carleton College	25,270	159	66	Private
Bowdoin College	25,237	160	67	Private
University of Arkansas - Little Rock	24,718	161	95	Public
Davidson College	24,410	162	68	Private
Washington and Lee University	24,107	163	69	Private
Berea College	23,993	164	70	Private
Woods Hole Oceanographic Institution	23,900	165	71	Private
Tennessee State University	23,815	166	96	Public
Loyola University Chicago	23,782	167	72	Private
Pepperdine University	23,172	168	73	Private
Villanova University	22,806	169	74	Private
Polytechnic University	22,806	169	74	Private
University of Oklahoma Health Sciences Center	22,780	171	97	Public
University of the Pacific	22,648	172	76	Private
California State University - Northridge	22,619	173	98	Public
University of Arkansas for Medical Sciences	22,558	174	99	Public
California State University - Fresno	22,426	175	100	Public
Birmingham-Southern College	22,326	176	77	Private
University of San Diego	22,276	177	78	Private
Westminster College (MO)	22,041	178	79	Private
Rowan University	22,034	179	101	Public
Pennsylvania State University - Hershey Medical Ctr	21,758	180	102	Public
Western Michigan University	21,673	181	103	Public
Amherst College	21,667	182	80	Private
University of Hawaii - Manoa	21,623	183	104	Public
College of the Ozarks	21,414	184	81	Private
Biola University	21,334	185	82	Private
Pomona College	21,229	186	83	Private
University of Nevada - Las Vegas	21,130	187	105	Public
Miami University - Oxford	21,064	188	106	Public
California Polytechnic State Univ - San Luis Obispo	21,052	189	107	Public
Northeastern University	20,984	190	84	Private
University of Akron - Akron	20,424	191	108	Public
University of Dayton	20,407	192	85	Private
College of Wooster	20,050	193	86	Private
University of Tulsa	20,028	194	87	Private
University of San Francisco	19,710	195	88	Private
University of South Florida	19,502	196	109	Public
Kenyon College	19,133	197	89	Private
Saint Mary's College of California	19,085	198	90	Private
Lafayette College	18,993	199	91	Private
University of Missouri - Kansas City	18,970	200	110	Public

### Top 200 Institutions - National Academy Membership (2003)

Top 50 Institutions in National Academy Membership (2003)	Number of Members	National Rank	Control Rank	Institutional Control
Harvard University	264	1	1	Private
Stanford University	249	2	2	Private
Massachusetts Institute of Technology	234	3	3	Private
University of California - Berkeley	201	4	1	Public
Yale University	104	5	4	Private
California Institute of Technology	96	6	5	Private
University of California - San Diego	95	7	2	Public
University of Pennsylvania	89	8	6	Private
Princeton University	86	9	7	Private
University of California - San Francisco	85	10	3	Public
Columbia University	84	11	8	Private
Cornell University	80	12	9	Private
University of Washington - Seattle	77	13	4	Public
University of Michigan - Ann Arbor	73	14	5	Public
University of Wisconsin - Madison	70	15	6	Public
Johns Hopkins University	65	16	10	Private
University of California - Los Angeles	64	17	7	Public
University of Texas - Austin	55	18	8	Public
University of Illinois - Urbana-Champaign	55	18	8	Public
University of Chicago	52	20	11	Private
Duke University	50	21	12	Private
Rockefeller University	45	22	13	Private
University of California - Santa Barbara	42	23	10	Public
Washington University in St. Louis	39	24	14	Private
University of Southern California	38	25	15	Private
University of Minnesota - Twin Cities	38	25	11	Public
University of North Carolina - Chapel Hill	37	27	12	Public
Northwestern University	37	27	16	Private
New York University	31	29	17	Private
University of Arizona	29	30	13	Public
Rutgers the State University of NJ - New Brunswick	29	30	13	Public
University of California - Davis	29	30	13	Public
Pennsylvania State University - University Park	28	33	16	Public
Georgia Institute of Technology	27	34	17	Public
University of Texas SW Medical Center - Dallas	26	35	18	Public
University of California - Irvine	25	36	19	Public
University of Colorado - Boulder	24	37	20	Public
Scripps Research Institute	23	38	18	Private
Carnegie Mellon University	23	38	18	Private
University of Virginia	22	40	21	Public
University of Rochester	22	40	20	Private
University of Pittsburgh - Pittsburgh	22	40	21	Public
University of Maryland - College Park	21	43	23	Public
University of Utah	21	43	23	Public
Case Western Reserve University	19	45	21	Private
Rice University	19	45	21	Private
Ohio State University - Columbus	18	47	25	Public
University of Iowa	18	47	25	Public
North Carolina State University	18	47	25	Public
Brown University	17	50	23	Private
Texas A&M University	17	50	28	Public
University of Florida	17	50	28	Public
Vanderbilt University	17	50	23	Private

**Top 200 Institutions - National Academy Membership (2003), continued**

Institutions with 5 to 15 National Academy Members (2003)	Number of Members	National Rank	Control Rank	Institutional Control
Baylor College of Medicine	15	54	25	Private
Brandeis University	14	55	26	Private
Rensselaer Polytechnic Institute	13	56	27	Private
Purdue University - West Lafayette	13	56	30	Public
Emory University	13	56	27	Private
Boston University	13	56	27	Private
Stony Brook University	13	56	30	Public
Virginia Polytechnic Institute and State University	12	61	32	Public
University of Houston - University Park	11	62	33	Public
University of Colorado Health Sciences Center	11	62	33	Public
Lehigh University	11	62	30	Private
Dartmouth College	11	62	30	Private
Indiana University - Bloomington	11	62	33	Public
City University of New York - City College	10	67	36	Public
Mount Sinai School of Medicine	10	67	32	Private
Yeshiva University	10	67	32	Private
Iowa State University	10	67	36	Public
University of Delaware	9	71	38	Public
University of California - Santa Cruz	9	71	38	Public
University of Maryland - Baltimore	9	71	38	Public
University of Georgia	8	74	41	Public
Washington State University - Pullman	8	74	41	Public
Michigan State University	8	74	41	Public
Colorado State University	7	77	44	Public
University of Alabama - Birmingham	7	77	44	Public
University of Massachusetts - Amherst	7	77	44	Public
Indiana University-Purdue University - Indianapolis	6	80	47	Public
Oregon Health & Science University	6	80	47	Public
Howard University	6	80	34	Private
University of Oregon	6	80	47	Public
Georgetown University	6	80	34	Private
Arizona State University - Tempe	6	80	47	Public
Tufts University	5	86	36	Private
Thomas Jefferson University	5	86	36	Private
Florida State University	5	86	51	Public
University of Missouri - Columbia	5	86	51	Public
University of Illinois - Chicago	5	86	51	Public
University of Texas Health Science Center - Houston	5	86	51	Public
University at Buffalo	5	86	51	Public
Wayne State University	5	86	51	Public
Oregon State University	5	86	51	Public
University of Kansas - Lawrence	5	86	51	Public
University of Hawaii - Manoa	5	86	51	Public
University of Cincinnati - Cincinnati	5	86	51	Public

**Top 200 Institutions - National Academy Membership (2003), *continued***

Institutions with 2 to 4 National Academy Members (2003)	Number of Members	National Rank	Control Rank	Institutional Control
Colorado School of Mines	4	98	61	Public
George Washington University	4	98	38	Private
Woods Hole Oceanographic Institution	4	98	38	Private
Polytechnic University	4	98	38	Private
Drexel University	4	98	38	Private
Oklahoma State University - Stillwater	3	103	62	Public
University of California - Riverside	3	103	62	Public
Illinois Institute of Technology	3	103	42	Private
Morehouse School of Medicine	3	103	42	Private
Tulane University	3	103	42	Private
University of Kentucky	3	103	62	Public
Virginia Commonwealth University	3	103	62	Public
University of New Mexico - Albuquerque	3	103	62	Public
University of Nebraska - Lincoln	3	103	62	Public
University of Vermont	3	103	62	Public
University of Wyoming	3	103	62	Public
Rush University	3	103	42	Private
Meharry Medical College	2	115	46	Private
George Mason University	2	115	70	Public
Michigan Technological University	2	115	70	Public
Medical University of South Carolina	2	115	70	Public
University of Notre Dame	2	115	46	Private
Florida Atlantic University	2	115	70	Public
Wright State University - Dayton	2	115	70	Public
University of Nevada - Reno	2	115	70	Public
University of Oklahoma - Norman	2	115	70	Public
Southern Methodist University	2	115	46	Private
University of Akron - Akron	2	115	70	Public
University of Connecticut - Health Center	2	115	70	Public
University of Massachusetts Medical Sch - Worcester	2	115	70	Public
University of Miami	2	115	46	Private
Drew University	2	115	46	Private
Clark University	2	115	46	Private
University of Arkansas - Fayetteville	2	115	70	Public
Syracuse University	2	115	46	Private
Wake Forest University	2	115	46	Private
Boston College	2	115	46	Private
University of Massachusetts - Boston	2	115	70	Public
University of Texas Medical Branch - Galveston	2	115	70	Public
Charles R. Drew University of Medicine and Science	2	115	46	Private
Bowdoin College	2	115	46	Private

**Top 200 Institutions - National Academy Membership (2003), continued**

Institutions with at least 1 National Academy Member (2003)	Number of Members	National Rank	Control Rank	Institutional Control
Binghamton University	1	139	83	Public
Bryn Mawr College	1	139	57	Private
Clemson University	1	139	83	Public
Butler University	1	139	57	Private
Florida International University	1	139	83	Public
Clark Atlanta University	1	139	57	Private
City University of NY - Graduate Sch and University Ctr	1	139	83	Public
California State University - Fullerton	1	139	83	Public
Duquesne University	1	139	57	Private
Catholic University of America	1	139	57	Private
Fordham University	1	139	57	Private
University of Tennessee - Knoxville	1	139	83	Public
University of Louisville	1	139	83	Public
University of Maine - Orono	1	139	83	Public
University of Medicine & Dentistry of New Jersey	1	139	83	Public
University of Minnesota - Duluth	1	139	83	Public
University of Nebraska Medical Center	1	139	83	Public
University of Oklahoma Health Sciences Center	1	139	83	Public
University of Rhode Island	1	139	83	Public
Uniformed Services University of the Health Sciences	1	139	83	Public
University of South Florida	1	139	83	Public
University of Arkansas for Medical Sciences	1	139	83	Public
University of Texas - Arlington	1	139	83	Public
University of Texas - Dallas	1	139	83	Public
University of Texas Health Science Ctr - San Antonio	1	139	83	Public
University of Texas MD Anderson Cancer Center	1	139	83	Public
University of Tulsa	1	139	57	Private
University of Tennessee - Chattanooga	1	139	83	Public
US Naval Academy	1	139	83	Public
University of South Carolina - Columbia	1	139	83	Public
Saint Louis University - St. Louis	1	139	57	Private
Kettering University	1	139	57	Private
Louisiana State University - Baton Rouge	1	139	83	Public
Manhattan College	1	139	57	Private
Manhattanville College	1	139	57	Private
Marshall University	1	139	83	Public
Medical College of Wisconsin	1	139	57	Private
New York Medical College	1	139	57	Private
University of Kansas Medical Center	1	139	83	Public
Ponce School of Medicine	1	139	57	Private
University of Colorado - Denver	1	139	83	Public
South Dakota School of Mines and Technology	1	139	83	Public
State Univ. of New York - Coll of Enviro Sci and Forestry	1	139	83	Public
State Univ. of New York Health Science Ctr - Brooklyn	1	139	83	Public
Texas Tech University	1	139	83	Public
Union College (NY)	1	139	57	Private
Villanova University	1	139	57	Private
University of Arkansas - Little Rock	1	139	83	Public
Haverford College	1	139	57	Private
Pennsylvania State University - Hershey Medical Ctr	1	139	83	Public



### Top 200 Institutions - Faculty Awards (2003)

Top 43 Institutions in Faculty Awards (2003)	Number of Awards	National Rank	Control Rank	Institutional Control
Harvard University	54	1	1	Private
University of California - Berkeley	44	2	1	Public
Stanford University	44	2	2	Private
University of Wisconsin - Madison	44	2	1	Public
University of Illinois - Urbana-Champaign	40	5	3	Public
University of Michigan - Ann Arbor	39	6	4	Public
University of Washington - Seattle	38	7	5	Public
University of California - San Diego	37	8	6	Public
University of California - Los Angeles	37	8	6	Public
Columbia University	36	10	3	Private
Yale University	35	11	4	Private
Cornell University	32	12	5	Private
Johns Hopkins University	32	12	5	Private
Northwestern University	30	14	7	Private
Pennsylvania State University - University Park	29	15	8	Public
Washington University in St. Louis	29	15	8	Private
University of California - San Francisco	29	15	8	Public
Duke University	29	15	8	Private
Princeton University	27	19	10	Private
University of Chicago	25	20	11	Private
Massachusetts Institute of Technology	23	21	12	Private
University of Southern California	23	21	12	Private
Boston University	23	21	12	Private
University of Pennsylvania	23	21	12	Private
University of Texas - Austin	23	21	10	Public
University of Maryland - College Park	22	26	11	Public
University of California - Davis	21	27	12	Public
California Institute of Technology	21	27	16	Private
Georgia Institute of Technology	20	29	13	Public
University of Florida	19	30	14	Public
University of Arizona	19	30	14	Public
Vanderbilt University	19	30	17	Private
University of Utah	19	30	14	Public
University of Colorado - Boulder	19	30	14	Public
University of North Carolina - Chapel Hill	19	30	14	Public
Ohio State University - Columbus	17	36	19	Public
Arizona State University - Tempe	17	36	19	Public
University of Virginia	17	36	19	Public
Rockefeller University	16	39	18	Private
Stony Brook University	15	40	22	Public
Scripps Research Institute	15	40	19	Private
University of Massachusetts - Amherst	15	40	22	Public
University of Minnesota - Twin Cities	14	43	24	Public
University of Missouri - Columbia	14	43	24	Public
Emory University	14	43	20	Private
University of Iowa	14	43	24	Public
New York University	14	43	20	Private
Michigan State University	14	43	24	Public
University of Illinois - Chicago	14	43	24	Public

**Top 200 Institutions - Faculty Awards (2003), continued**

Top 50-98 Institutions in Faculty Awards (2003)	Number of Awards	National Rank	Control Rank	Institutional Control
Rutgers the State University of NJ - New Brunswick	13	50	29	Public
Purdue University - West Lafayette	13	50	29	Public
Baylor College of Medicine	13	50	22	Private
University of Pittsburgh - Pittsburgh	13	50	29	Public
University of Texas SW Medical Center - Dallas	13	50	29	Public
Dartmouth College	12	55	23	Private
University of Cincinnati - Cincinnati	12	55	33	Public
Oregon Health & Science University	12	55	33	Public
Brown University	11	58	24	Private
University of California - Santa Barbara	11	58	35	Public
University of Hawaii - Manoa	11	58	35	Public
Washington State University - Pullman	11	58	35	Public
Indiana University - Bloomington	11	58	35	Public
University of California - Irvine	11	58	35	Public
University of Rochester	11	58	24	Private
University of Oregon	11	58	35	Public
University of Kentucky	11	58	35	Public
Tulane University	10	67	26	Private
Georgetown University	10	67	26	Private
George Washington University	10	67	26	Private
Carnegie Mellon University	10	67	26	Private
University at Buffalo	10	67	42	Public
University of Alabama - Birmingham	10	67	42	Public
Texas A&M University	10	67	42	Public
University of California - Riverside	9	74	45	Public
Brandeis University	9	74	30	Private
University of Notre Dame	9	74	30	Private
Case Western Reserve University	9	74	30	Private
University of Colorado Health Sciences Center	9	74	45	Public
University of South Florida	8	79	47	Public
Florida State University	8	79	47	Public
Virginia Polytechnic Institute and State University	8	79	47	Public
Iowa State University	8	79	47	Public
University of Oklahoma - Norman	8	79	47	Public
University of Texas Health Science Ctr - San Antonio	8	79	47	Public
Yeshiva University	7	85	33	Private
Wayne State University	7	85	53	Public
Colorado State University	7	85	53	Public
North Carolina State University	7	85	53	Public
Wellesley College	7	85	33	Private
Louisiana State University - Baton Rouge	7	85	53	Public
Rice University	7	85	33	Private
Tufts University	7	85	33	Private
Virginia Commonwealth University	7	85	53	Public
Cleveland State University	7	85	53	Public
University of Massachusetts Medical Sch - Worcester	7	85	53	Public
University of Miami	7	85	33	Private
University of Kansas - Lawrence	7	85	53	Public
University of South Carolina - Columbia	6	98	61	Public
Boston College	6	98	38	Private
George Mason University	6	98	61	Public
University of Georgia	6	98	61	Public
University of Connecticut - Storrs	6	98	61	Public
University of North Carolina - Greensboro	6	98	61	Public
Colgate University	6	98	38	Private
College of William and Mary	6	98	61	Public
University of Texas Health Science Center - Houston	6	98	61	Public

**Top 200 Institutions - Faculty Awards (2003), *continued***

Institutions with Either 4 or 5 Faculty Awards (2003)	Number of Awards	National Rank	Control Rank	Institutional Control
University of Houston - University Park	5	107	68	Public
Oregon State University	5	107	68	Public
New York University School of Medicine	5	107	40	Private
Rensselaer Polytechnic Institute	5	107	40	Private
Portland State University	5	107	68	Public
Clemson University	5	107	68	Public
Oklahoma State University - Stillwater	5	107	68	Public
University of Delaware	5	107	68	Public
Brigham Young University - Provo	5	107	40	Private
Temple University	5	107	68	Public
University of Vermont	5	107	68	Public
Barnard College	5	107	40	Private
University of Texas Medical Branch - Galveston	5	107	68	Public
Kansas State University	5	107	68	Public
University of Medicine & Dentistry of New Jersey	5	107	68	Public
University at Albany	4	122	79	Public
Indiana University-Purdue University - Indianapolis	4	122	79	Public
University of California - Santa Cruz	4	122	79	Public
Worcester Polytechnic Institute	4	122	44	Private
Georgia State University	4	122	79	Public
Bard College	4	122	44	Private
Drexel University	4	122	44	Private
University of Connecticut - Health Center	4	122	79	Public
Wake Forest University	4	122	44	Private
University of Arkansas - Fayetteville	4	122	79	Public
Western Kentucky University	4	122	79	Public
University of New Hampshire - Durham	4	122	79	Public
Wesleyan University	4	122	44	Private
University of Nevada - Reno	4	122	79	Public
Syracuse University	4	122	44	Private
Northern Illinois University	4	122	79	Public
University of Nebraska Medical Center	4	122	79	Public
Minnesota State University - Mankato	4	122	79	Public
Villanova University	4	122	44	Private
Pennsylvania State University - Hershey Medical Ctr	4	122	79	Public
Binghamton University	4	122	79	Public
University of Baltimore	4	122	79	Public
University of Richmond	4	122	44	Private
University of Missouri - Kansas City	4	122	79	Public

**Top 200 Institutions - Faculty Awards (2003), continued**

Institutions with at Least 3 Faculty Awards (2003)	Number of Awards	National Rank	Control Rank	Institutional Control
California State University - Long Beach	3	146	95	Public
Florida Atlantic University	3	146	95	Public
Western Michigan University	3	146	95	Public
Fordham University	3	146	52	Private
Ferris State University	3	146	95	Public
City University of New York - Queens College	3	146	95	Public
California State University - Fullerton	3	146	95	Public
Carleton College	3	146	52	Private
Williams College	3	146	52	Private
Colorado School of Mines	3	146	95	Public
City University of New York - City College	3	146	95	Public
Appalachian State University	3	146	95	Public
University of Missouri - St. Louis	3	146	95	Public
Montana State University - Bozeman	3	146	95	Public
University of New Mexico - Albuquerque	3	146	95	Public
San Diego State University	3	146	95	Public
Santa Clara University	3	146	52	Private
Sarah Lawrence College	3	146	52	Private
Smith College	3	146	52	Private
University of Rhode Island	3	146	95	Public
American University	3	146	52	Private
Occidental College	3	146	52	Private
University of Akron - Akron	3	146	95	Public
University of Alabama - Tuscaloosa	3	146	95	Public
University of Alaska - Fairbanks	3	146	95	Public
University of Memphis	3	146	95	Public
University of Maryland - Baltimore County	3	146	95	Public
University of Maine - Orono	3	146	95	Public
University of Central Florida	3	146	95	Public
Texas Tech University	3	146	95	Public
Lewis & Clark College	3	146	52	Private
University of Wisconsin - Whitewater	3	146	95	Public
University of Wisconsin - Milwaukee	3	146	95	Public
DePaul University	3	146	52	Private
Hofstra University	3	146	52	Private
Howard University	3	146	52	Private
University of Toledo	3	146	95	Public
Pittsburg State University	3	146	95	Public
Lehigh University	3	146	52	Private
Utah State University	3	146	95	Public
Loyola University Chicago	3	146	52	Private
Middlebury College	3	146	52	Private
University of Texas - San Antonio	3	146	95	Public
North Dakota State University	3	146	95	Public
Northeastern Illinois University	3	146	95	Public
Northeastern University	3	146	52	Private
Northern Arizona University	3	146	95	Public
Indiana University-Purdue University - Fort Wayne	3	146	95	Public

### Top 200 Institutions - Doctorates Awarded (2003)

Top 50 Institutions in Doctorate Degrees Awarded (2003)	Number of Degrees	National Rank	Control Rank	Institutional Control
University of California - Berkeley	772	1	1	Public
Nova Southeastern University	732	2	1	Private
University of Texas - Austin	674	3	2	Public
University of Wisconsin - Madison	656	4	3	Public
University of Illinois - Urbana-Champaign	617	5	4	Public
University of Michigan - Ann Arbor	617	5	4	Public
Stanford University	611	7	2	Private
University of California - Los Angeles	596	8	6	Public
University of Florida	591	9	7	Public
Ohio State University - Columbus	575	10	8	Public
University of Minnesota - Twin Cities	560	11	9	Public
University of Southern California	559	12	3	Private
Harvard University	548	13	4	Private
Pennsylvania State University - University Park	503	14	10	Public
University of Washington - Seattle	493	15	11	Public
Purdue University - West Lafayette	463	16	12	Public
Texas A&M University	442	17	13	Public
Michigan State University	442	17	13	Public
Massachusetts Institute of Technology	440	19	5	Private
Cornell University	436	20	6	Private
Columbia University	433	21	7	Private
University of Maryland - College Park	418	22	15	Public
University of Georgia	414	23	16	Public
University of North Carolina - Chapel Hill	412	24	17	Public
New York University	411	25	8	Private
Indiana University - Bloomington	389	26	18	Public
University of Pennsylvania	385	27	9	Private
University of Arizona	378	28	19	Public
University of California - Davis	373	29	20	Public
Northwestern University	370	30	10	Private
Johns Hopkins University	364	31	11	Private
Rutgers the State University of NJ - New Brunswick	358	32	21	Public
University of Pittsburgh - Pittsburgh	348	33	22	Public
University of Virginia	337	34	23	Public
University of Chicago	332	35	12	Private
North Carolina State University	322	36	24	Public
Yale University	317	37	13	Private
University of Colorado - Boulder	303	38	25	Public
Arizona State University - Tempe	300	39	26	Public
Stony Brook University	298	40	27	Public
Florida State University	290	41	28	Public
University of California - San Diego	279	42	29	Public
University of Missouri - Columbia	274	43	30	Public
City University of NY - Graduate Sch and University Ctr	272	44	31	Public
Virginia Polytechnic Institute and State University	272	44	31	Public
Boston University	270	46	14	Private
University at Buffalo	269	47	33	Public
University of Tennessee - Knoxville	262	48	34	Public
Princeton University	260	49	15	Private
Southwestern Baptist Theological Seminary	254	50	16	Private
University of Nebraska - Lincoln	254	50	35	Public

**Top 200 Institutions - Doctorates Awarded (2003), continued**

Top 52-98 Institutions in Doctorate Degrees Awarded (2003)	Number of Degrees	National Rank	Control Rank	Institutional Control
Duke University	253	52	17	Private
University of California - Santa Barbara	251	53	36	Public
University of Iowa	249	54	37	Public
A T Still University of Health Sciences	244	55	18	Private
Iowa State University	238	56	38	Public
University of Cincinnati - Cincinnati	237	57	39	Public
University of Connecticut - Storrs	237	57	39	Public
University of South Carolina - Columbia	235	59	41	Public
University of Kansas - Lawrence	232	60	42	Public
George Washington University	228	61	19	Private
University of Utah	225	62	43	Public
Georgia Institute of Technology	225	62	43	Public
University of Illinois - Chicago	225	62	43	Public
University of Massachusetts - Amherst	213	65	46	Public
Louisiana State University - Baton Rouge	211	66	47	Public
University of Kentucky	208	67	48	Public
Washington University in St. Louis	207	68	20	Private
University of Houston - University Park	203	69	49	Public
University of Rochester	193	70	21	Private
Vanderbilt University	189	71	22	Private
Wayne State University	188	72	50	Public
University of California - Irvine	188	72	50	Public
Teachers College at Columbia University	187	74	23	Private
Oklahoma State University - Stillwater	182	75	52	Public
Colorado State University	182	75	52	Public
Case Western Reserve University	179	77	24	Private
University of Alabama - Tuscaloosa	178	78	54	Public
Oregon State University	171	79	55	Public
Loyola University Chicago	166	80	25	Private
University at Albany	165	81	56	Public
Carnegie Mellon University	164	82	26	Private
Texas Tech University	163	83	57	Public
University of New Mexico - Albuquerque	162	84	58	Public
Temple University	161	85	59	Public
Union Institute & University	159	86	27	Private
Auburn University	159	86	60	Public
University of Oregon	156	88	61	Public
University of Alabama - Birmingham	155	89	62	Public
Emory University	154	90	28	Private
University of South Florida	153	91	63	Public
Saint Louis University - St. Louis	151	92	29	Private
Kent State University - Kent	151	92	64	Public
West Virginia University	150	94	65	Public
Kansas State University	145	95	66	Public
University of North Texas	145	95	66	Public
Creighton University	144	97	30	Private
University of Oklahoma - Norman	143	98	68	Public
Boston College	143	98	31	Private
Brown University	143	98	31	Private

**Top 200 Institutions - Doctorates Awarded (2003), continued**

Top 101-150 Institutions in Doctorate Degrees Awarded (2003)	Number of Degrees	National Rank	Control Rank	Institutional Control
George Mason University	138	101	69	Public
California Institute of Technology	137	102	33	Private
Fuller Theological Seminary in California	136	103	34	Private
Rensselaer Polytechnic Institute	136	103	34	Private
University of Notre Dame	135	105	36	Private
University of Delaware	135	105	70	Public
University of Hawaii - Manoa	131	107	71	Public
University of Miami	127	108	37	Private
Southern Illinois University - Carbondale	126	109	72	Public
Washington State University - Pullman	126	109	72	Public
Claremont Graduate University	125	111	38	Private
Yeshiva University	125	111	38	Private
Alliant International University - San Diego	125	111	38	Private
Georgia State University	123	114	74	Public
University of California - Riverside	121	115	75	Public
Syracuse University	121	115	41	Private
University of Arkansas - Fayetteville	120	117	76	Public
University of Southern Mississippi	117	118	77	Public
Clemson University	116	119	78	Public
Virginia Commonwealth University	114	120	79	Public
University of Medicine & Dentistry of New Jersey	114	120	79	Public
Ohio University - Athens	111	122	81	Public
University of Central Florida	110	123	82	Public
Drexel University	108	124	42	Private
Rice University	107	125	43	Private
Alliant International University	107	125	43	Private
Tulane University	105	127	45	Private
University of California - Santa Cruz	104	128	83	Public
Widener University - Chester	101	129	46	Private
University of Denver	100	130	47	Private
California School of Professional Psych - Alameda	99	131	48	Private
Northern Illinois University	99	131	84	Public
Catholic University of America	97	133	49	Private
University of Nevada - Reno	95	134	85	Public
Lehigh University	95	134	50	Private
Howard University	93	136	51	Private
Brandeis University	93	136	51	Private
Northeastern University	93	136	51	Private
Mississippi State University	93	136	86	Public
Pennsylvania College of Optometry	92	140	54	Private
University of Idaho	90	141	87	Public
University of Memphis	89	142	88	Public
University of Louisville	89	142	88	Public
Georgetown University	88	144	55	Private
Bowling Green State University - Bowling Green	88	144	90	Public
Fielding Graduate Institute	86	146	56	Private
Western Michigan University	86	146	91	Public
Southern Baptist Theological Seminary	86	146	56	Private
Pacific University	86	146	56	Private
Tufts University	85	150	59	Private

**Top 200 Institutions - Doctorates Awarded (2003), continued**

Top 151-198 Institutions in Doctorate Degrees Awarded (2003)	Number of Degrees	National Rank	Control Rank	Institutional Control
Northern Arizona University	84	151	92	Public
Texas Woman's University	84	151	92	Public
University of Mississippi - Oxford	83	153	94	Public
University of Akron - Akron	82	154	95	Public
Binghamton University	81	155	96	Public
University of California - San Francisco	80	156	97	Public
Fordham University	79	157	60	Private
Baylor University	78	158	61	Private
Seton Hall University	77	159	62	Private
University of Rhode Island	77	159	98	Public
MGH Institute of Health Professions	76	161	63	Private
University of Texas Health Science Center - Houston	75	162	99	Public
Illinois Institute of Technology	75	162	64	Private
New Mexico State University - Las Cruces	75	162	99	Public
Duquesne University	74	165	65	Private
University of Northern Colorado	74	165	101	Public
City University - Los Angeles	73	167	66	Private
New Orleans Baptist Theological Seminary	73	167	66	Private
Indiana University of Pennsylvania - Indiana	72	169	102	Public
Drew University	71	170	68	Private
Forest Institute of Professional Psychology	70	171	69	Private
Pepperdine University	70	171	69	Private
University of Maryland - Baltimore	70	171	103	Public
University of Wisconsin - Milwaukee	70	171	103	Public
Ball State University	69	175	105	Public
University of Massachusetts - Lowell	69	175	105	Public
Trinity College of the Bible and Trinity Theological Seminary	69	175	71	Private
Loma Linda University	68	178	72	Private
University of Texas - Arlington	68	178	107	Public
Old Dominion University	67	180	108	Public
University of North Carolina - Greensboro	67	180	108	Public
Dartmouth College	67	180	73	Private
University of Maryland - Baltimore County	67	180	108	Public
New School University	66	184	74	Private
University of Toledo	66	184	111	Public
Regent University	66	184	74	Private
Carlos Albizu University - Miami	65	187	76	Private
McCormick Theological Seminary	64	188	77	Private
University of Puerto Rico - Rio Piedras	63	189	112	Public
University of Missouri - Kansas City	62	190	113	Public
University of Texas - Dallas	61	191	114	Public
American University	60	192	78	Private
Baylor College of Medicine	60	192	78	Private
Florida International University	60	192	115	Public
College of William and Mary	59	195	116	Public
Utah State University	59	195	116	Public
California School of Professional Psych - Fresno	59	195	80	Private
Central Michigan University	57	198	118	Public
University of North Dakota	57	198	118	Public
Indiana State University	57	198	118	Public



### Top 200 Institutions - Postdoctoral Appointees (2002)

Top 50 Institutions in Postdoctoral Appointees (2002)	Number of Postdocs	National Rank	Control Rank	Institutional Control
Harvard University	3698	1	1	Private
University of California - Los Angeles	1351	2	1	Public
Johns Hopkins University	1301	3	2	Private
Stanford University	1214	4	3	Private
Yale University	1131	5	4	Private
Massachusetts Institute of Technology	986	6	5	Private
University of Pennsylvania	976	7	6	Private
University of Washington - Seattle	972	8	2	Public
University of California - San Diego	902	9	3	Public
University of California - Berkeley	859	10	4	Public
Yeshiva University	828	11	7	Private
Cornell University	764	12	8	Private
University of Minnesota - Twin Cities	749	13	5	Public
University of Michigan - Ann Arbor	735	14	6	Public
University of Colorado - Boulder	680	15	7	Public
Duke University	665	16	9	Private
Washington University in St. Louis	620	17	10	Private
University of California - Davis	578	18	8	Public
University of North Carolina - Chapel Hill	574	19	9	Public
University of Florida	568	20	10	Public
University of Pittsburgh - Pittsburgh	548	21	11	Public
University of Southern California	543	22	11	Private
California Institute of Technology	527	23	12	Private
University of Wisconsin - Madison	461	24	12	Public
Emory University	452	25	13	Private
University of Texas MD Anderson Cancer Center	451	26	13	Public
Vanderbilt University	439	27	14	Private
University of California - San Francisco	430	28	14	Public
University of Arizona	409	29	15	Public
Tufts University	407	30	15	Private
University of Chicago	392	31	16	Private
University of Virginia	379	32	16	Public
Michigan State University	377	33	17	Public
Baylor College of Medicine	365	34	17	Private
University of Iowa	360	35	18	Public
Princeton University	348	36	18	Private
Rockefeller University	334	37	19	Private
Ohio State University - Columbus	331	38	19	Public
University at Buffalo	330	39	20	Public
New York University	326	40	20	Private
Case Western Reserve University	322	41	21	Private
University of California - Irvine	320	42	21	Public
University of Texas SW Medical Center - Dallas	318	43	22	Public
University of Massachusetts Medical Sch - Worcester	304	44	23	Public
Columbia University	302	45	22	Private
North Carolina State University	301	46	24	Public
University of Rochester	296	47	23	Private
Mayo Graduate School	294	48	24	Private
University of Illinois - Chicago	292	49	25	Public
Texas A&M University	281	50	26	Public

**Top 200 Institutions - Postdoctoral Appointees (2002), continued**

Top 51-100 Institutions in Postdoctoral Appointees (2002)	Number of Postdocs	National Rank	Control Rank	Institutional Control
University of Illinois - Urbana-Champaign	279	51	27	Public
Wayne State University	276	52	28	Public
University of Colorado Health Sciences Center	267	53	29	Public
Pennsylvania State University - University Park	266	54	30	Public
University of Utah	262	55	31	Public
University of Maryland - College Park	244	56	32	Public
Purdue University - West Lafayette	237	57	33	Public
University of California - Riverside	235	58	34	Public
University of Kentucky	230	59	35	Public
University of Alabama - Birmingham	230	59	35	Public
Stony Brook University	229	61	37	Public
Indiana University-Purdue University - Indianapolis	225	62	38	Public
University of Cincinnati - Cincinnati	222	63	39	Public
University of Texas - Austin	214	64	40	Public
Thomas Jefferson University	203	65	25	Private
Iowa State University	203	65	41	Public
Colorado State University	196	67	42	Public
University of Medicine & Dentistry of New Jersey	188	68	43	Public
University of California - Santa Barbara	187	69	44	Public
University of Maryland - Baltimore	183	70	45	Public
Medical University of South Carolina	183	70	45	Public
University of Georgia	180	72	47	Public
Carnegie Mellon University	168	73	26	Private
University of Texas Medical Branch - Galveston	165	74	48	Public
Virginia Commonwealth University	161	75	49	Public
Washington State University - Pullman	161	75	49	Public
University of Missouri - Columbia	157	77	51	Public
Northwestern University	156	78	27	Private
Indiana University - Bloomington	150	79	52	Public
University of Massachusetts - Amherst	142	80	53	Public
Dartmouth College	138	81	28	Private
Rutgers the State University of NJ - New Brunswick	135	82	54	Public
University of Notre Dame	134	83	29	Private
University of Delaware	134	83	55	Public
Kansas State University	133	85	56	Public
University of Tennessee - Knoxville	131	86	57	Public
University of Kansas - Lawrence	131	86	57	Public
University of Texas Health Science Ctr - San Antonio	131	86	57	Public
Rice University	127	89	30	Private
University of Connecticut - Storrs	125	90	60	Public
University of South Florida	124	91	61	Public
Oregon Health & Science University	123	92	62	Public
University of Connecticut - Health Center	123	92	62	Public
University of Miami	115	94	31	Private
University of California - Santa Cruz	113	95	64	Public
University of Houston - University Park	109	96	65	Public
University of Nebraska - Lincoln	108	97	66	Public
Oregon State University	107	98	67	Public
Montana State University - Bozeman	106	99	68	Public
Arizona State University - Tempe	105	100	69	Public
Medical College of Wisconsin	105	100	32	Private

**Top 200 Institutions - Postdoctoral Appointees (2002), continued**

Top 102-153 Institutions in Postdoctoral Appointees (2002)	Number of Postdocs	National Rank	Control Rank	Institutional Control
Virginia Polytechnic Institute and State University	104	102	70	Public
Florida State University	104	102	70	Public
Uniformed Services University of the Health Sciences	101	104	72	Public
University of Vermont	97	105	73	Public
University of Tennessee Health Science Center	96	106	74	Public
Wake Forest University	96	106	33	Private
Brown University	94	108	34	Private
University of South Carolina - Columbia	93	109	75	Public
University of Texas Health Science Center - Houston	92	110	76	Public
Medical College of Georgia	88	111	77	Public
University of Oregon	87	112	78	Public
Tulane University	86	113	35	Private
Loyola University Chicago	86	113	35	Private
Louisiana State University - Baton Rouge	86	113	79	Public
Brandeis University	81	116	37	Private
Boston University	78	117	38	Private
Temple University	78	117	80	Public
University of New Mexico - Albuquerque	76	119	81	Public
Rensselaer Polytechnic Institute	75	120	39	Private
City University of NY - Graduate Sch and University Ctr	75	120	82	Public
University of Hawaii - Manoa	72	122	83	Public
Woods Hole Oceanographic Institution	71	123	40	Private
Texas A&M University System Health Sciences Center	71	123	84	Public
Pennsylvania State University - Hershey Medical Ctr	68	125	85	Public
Georgia State University	68	125	85	Public
University of Louisville	68	125	85	Public
University of Akron - Akron	65	128	88	Public
University of Nebraska Medical Center	62	129	89	Public
Georgetown University	62	129	41	Private
Texas Tech University	60	131	90	Public
New York Medical College	60	131	42	Private
Louisiana State University Health Sciences Center	59	133	91	Public
University of Oklahoma Health Sciences Center	59	133	91	Public
Oklahoma State University - Stillwater	55	135	93	Public
University of Mississippi - Oxford	52	136	94	Public
University of Missouri - Kansas City	51	137	95	Public
George Washington University	50	138	43	Private
University of Kansas Medical Center	47	139	96	Public
Louisiana State University Medical Center - Shreveport	46	140	97	Public
North Dakota State University	45	141	98	Public
Morehouse School of Medicine	44	142	44	Private
University of Oklahoma - Norman	43	143	99	Public
University of Arkansas - Fayetteville	42	144	100	Public
University of Idaho	41	145	101	Public
Rush University	41	145	45	Private
Clemson University	40	147	102	Public
Boston College	39	148	46	Private
University of Arkansas for Medical Sciences	39	148	103	Public
Auburn University	38	150	104	Public
University of Maine - Orono	38	150	104	Public
Kent State University - Kent	36	152	106	Public
Mississippi State University	35	153	107	Public
University of Rhode Island	35	153	107	Public

**Top 200 Institutions - Postdoctoral Appointees (2002), continued**

Top 155-198 Institutions in Postdoctoral Appointees (2002)	Number of Postdocs	National Rank	Control Rank	Institutional Control
University of Maryland - Baltimore County	34	155	109	Public
University of North Texas Health Science Ctr - Fort Worth	34	155	109	Public
Georgia Institute of Technology	34	155	109	Public
Syracuse University	33	158	47	Private
Saint Louis University - St. Louis	32	159	48	Private
Lehigh University	31	160	49	Private
Texas Tech University Health Sciences Center	31	160	112	Public
Colorado School of Mines	31	160	112	Public
West Virginia University	31	160	112	Public
Clarkson University	31	160	49	Private
University at Albany	30	165	115	Public
University of Alabama - Tuscaloosa	30	165	115	Public
Northeastern University	29	167	51	Private
University of Wisconsin - Milwaukee	29	167	117	Public
College of William and Mary	29	167	117	Public
University of Wyoming	28	170	119	Public
University of North Texas	28	170	119	Public
University of Texas - Dallas	27	172	121	Public
University of New Hampshire - Durham	27	172	121	Public
Old Dominion University	26	174	123	Public
Florida International University	26	174	123	Public
Loma Linda University	26	174	52	Private
University of Southern Mississippi	26	174	123	Public
University of Toledo	26	174	123	Public
Wright State University - Dayton	25	179	127	Public
Albany Medical College	25	179	53	Private
Worcester Polytechnic Institute	24	181	54	Private
Miami University - Oxford	24	181	128	Public
OGI School of Science & Engineering at OSHU	24	181	128	Public
State Univ. of New York Upstate Medical University	24	181	128	Public
Stevens Institute of Technology	24	181	54	Private
University of New Orleans	24	181	128	Public
University of Missouri - St. Louis	23	187	132	Public
East Carolina University	22	188	133	Public
Howard University	22	188	56	Private
Rutgers the State University of NJ - Newark	22	188	133	Public
University of South Alabama - Mobile	22	188	133	Public
Northern Arizona University	21	192	136	Public
New Jersey Institute of Technology	21	192	136	Public
University of Texas - Arlington	21	192	136	Public
Northern Illinois University	20	195	139	Public
City University of New York - City College	20	195	139	Public
Creighton University	20	195	57	Private
Bowling Green State University - Bowling Green	19	198	141	Public
Ohio University - Athens	19	198	141	Public
Polytechnic University	19	198	58	Private

### Top 200 Institutions - SAT Scores (2002)

Top 47 Institutions in SAT Score (2002)	SAT Range (V:Q) or ACT Range	National Rank	Control Rank	Institutional Control
California Institute of Technology	710-780; 760-800	1	1	Private
Massachusetts Institute of Technology	680-760; 740-800	2	2	Private
Harvard University	700-790; 700-780	3	3	Private
Princeton University	680-770; 700-790	4	4	Private
Harvey Mudd College	670-750; 720-790	5	5	Private
Yale University	680-780; 690-780	5	5	Private
Stanford University	660-760; 690-780	7	7	Private
Swarthmore College	670-770; 680-760	8	8	Private
Pomona College	680-760; 680-750	9	9	Private
Amherst College	660-770; 650-770	10	10	Private
Dartmouth College	650-750; 680-770	10	10	Private
Middlebury College	680-750; 670-740	12	12	Private
Rice University	650-750; 670-770	12	12	Private
Deep Springs College	670-780; 670-720	12	12	Private
Williams College	660-760; 660-750	15	15	Private
Columbia University	660-760; 660-750	15	15	Private
Duke University	650-740; 670-770	15	15	Private
University of Pennsylvania	650-740; 680-760	15	15	Private
University of Chicago	660-750; 650-750	19	19	Private
Brown University	640-750; 650-750	20	20	Private
Washington University in St. Louis	640-730; 670-750	20	20	Private
Northwestern University	640-730; 660-750	22	22	Private
Webb Institute	620-710; 700-740	23	23	Private
Johns Hopkins University	620-730; 660-760	23	23	Private
Wesleyan University	640-740; 650-730	25	25	Private
Emory University	640-720; 660-740	25	25	Private
Reed College	660-760; 620-710	27	27	Private
Cornell University	620-720; 660-750	27	27	Private
Claremont McKenna College	630-730; 650-730	29	29	Private
Carnegie Mellon University	590-700; 680-770	29	29	Private
Georgetown University	640-730; 640-730	29	29	Private
Haverford College	640-740; 640-720	29	29	Private
Carleton College	640-740; 640-720	29	29	Private
Bowdoin College	640-730; 640-720	34	34	Private
Washington and Lee University	640-720; 640-720	35	35	Private
University of Notre Dame	620-720; 650-730	35	35	Private
Vassar College	640-730; 630-700	37	37	Private
Davidson College	620-710; 630-730	38	38	Private
Oberlin College	630-740; 610-710	38	38	Private
Cooper Union for the Advancement of Science & Art	600-700; 640-750	38	38	Private
Wellesley College	620-720; 630-720	38	38	Private
Bates College	630-710; 630-720	38	38	Private
Grinnell College	630-730; 620-710	38	38	Private
St. John's College (NM)	630-720; 560-650	38	38	Private
Macalester College	630-730; 620-710	38	38	Private
College of William and Mary	620-730; 630-710	38	1	Public
New York University	620-710; 630-720	47	46	Private
Bard College	650-750; 590-690	47	46	Private
Tufts University	610-710; 640-720	47	46	Private
Georgia Institute of Technology	600-690; 650-740	47	2	Public

**Top 200 Institutions - SAT Scores (2002), continued**

Top 51-92 Institutions in SAT Score (2002)	SAT Range (V:Q) or ACT Range	National Rank	Control Rank	Institutional Control
Colby College	620-700; 640-710	51	49	Private
Vanderbilt University	610-700; 640-720	51	49	Private
Barnard College	630-710; 620-700	53	51	Private
Case Western Reserve University	590-710; 630-730	53	51	Private
University of Southern California	600-700; 640-720	53	51	Private
Bryn Mawr College	630-730; 600-690	56	54	Private
Wheaton College (MA)	590-670; 550-650	56	54	Private
Colgate University	610-700; 630-710	56	54	Private
Tulane University	630-710; 610-700	56	54	Private
New College of Florida	640-730; 590-680	60	3	Public
Kenyon College	620-720; 610-690	60	58	Private
University of Virginia	600-700; 620-720	60	3	Public
Scripps College	620-720; 600-690	63	59	Private
Whitman College	610-710; 610-700	63	59	Private
University of California - Berkeley	570-700; 610-740	65	5	Public
Boston College	600-690; 620-710	65	61	Private
Rensselaer Polytechnic Institute	580-680; 640-720	65	61	Private
University of Rochester	590-690; 620-720	65	61	Private
University of Richmond	600-690; 620-700	69	64	Private
Wake Forest University	600-680; 620-710	69	64	Private
Hamilton College (NY)	600-700; 610-700	69	64	Private
Rose-Hulman Institute of Technology	570-670; 640-720	72	67	Private
US Air Force Academy	590-680; 620-700	73	6	Public
Rhodes College (TN)	590-700; 600-690	74	68	Private
Bucknell University	590-670; 620-700	74	68	Private
Lehigh University	580-660; 630-710	74	68	Private
Connecticut College	610-690; 600-680	74	68	Private
University of Michigan - Ann Arbor	570-670; 610-720	78	7	Public
Boston University	590-680; 610-690	78	72	Private
Thomas Aquinas College	620-710; 570-670	78	72	Private
Trinity College (CT)	590-690; 600-690	78	72	Private
Stevens Institute of Technology	560-650; 640-710	82	75	Private
College of Visual Arts	23-34	82	75	Private
St. John's College (MD)	660-750; 590-690	82	75	Private
Illinois Institute of Technology	550-650; 630-730	82	75	Private
Mount Holyoke College	610-700; 580-670	82	75	Private
St. Olaf College	590-690; 580-690	87	80	Private
Kalamazoo College	590-690; 580-690	87	80	Private
University of North Carolina - Chapel Hill	580-680; 600-690	87	8	Public
Furman University	590-690; 590-680	87	80	Private
Trinity University	580-690; 610-670	87	80	Private
University of California - San Diego	560-660; 610-710	92	9	Public
University of Wisconsin - Madison	560-680; 590-710	92	9	Public
Smith College	590-700; 580-670	92	84	Private
Lewis & Clark College	600-690; 580-670	92	84	Private
University of Illinois - Urbana-Champaign	550-670; 600-720	92	9	Public
University of Maryland - College Park	570-670; 600-700	92	9	Public
US Coast Guard Academy	580-670; 610-680	92	9	Public
Yeshiva University	590-690; 580-680	92	84	Private

**Top 200 Institutions - SAT Scores (2002), continued**

Top 100-144 Institutions in SAT Score (2002)	SAT Range (V:Q) or ACT Range	National Rank	Control Rank	Institutional Control
University of California - Los Angeles	550-670; 590-720	100	14	Public
Illinois Wesleyan University	580-670; 590-690	100	87	Private
George Washington University	580-680; 590-680	100	87	Private
Colorado College	590-670; 590-670	103	89	Private
Worcester Polytechnic Institute	540-660; 610-710	103	89	Private
Lafayette College	560-650; 610-700	103	89	Private
Grove City College	570-690; 570-690	103	89	Private
University of Puget Sound	580-690; 580-670	103	89	Private
US Military Academy	570-670; 590-680	108	15	Public
Villanova University	570-660; 590-690	108	94	Private
Hillsdale College	580-720; 520-690	108	94	Private
Centre College	590-670; 580-660	111	96	Private
Sarah Lawrence College	610-710; 530-650	111	96	Private
Franklin & Marshall College	570-660; 590-680	111	96	Private
Hampshire College	600-700; 540-660	111	96	Private
Beloit College	590-690; 560-650	115	100	Private
Colorado School of Mines	540-640; 610-700	115	16	Public
Skidmore College	580-670; 580-660	115	100	Private
University of Tulsa	540-700; 540-700	118	102	Private
Gettysburg College	580-650; 590-660	118	102	Private
Lawrence University	560-690; 560-670	118	102	Private
University of Miami	590-650; 570-670	118	102	Private
State Univ. of New York - College at Geneseo	580-650; 590-660	118	17	Public
College of New Jersey	560-660; 580-680	118	17	Public
Christendom College	600-700; 540-640	118	102	Private
Hendrix College	570-690; 550-670	118	102	Private
College of the Holy Cross	570-650; 590-670	118	102	Private
Occidental College	570-660; 580-670	118	102	Private
Dickinson College	580-670; 570-650	128	110	Private
Babson College	550-630; 600-690	128	110	Private
Wofford College	560-660; 580-670	128	110	Private
Binghamton University	550-640; 590-690	128	19	Public
Union College (NY)	550-650; 590-680	128	110	Private
Gustavus Adolphus College	550-680; 550-690	128	110	Private
University of Florida	550-660; 580-680	128	19	Public
Southwestern University	570-660; 570-670	128	110	Private
Pitzer College	570-670; 550-670	136	116	Private
Kettering University	540-640; 590-690	136	116	Private
Willamette University	560-680; 560-660	136	116	Private
Wheaton College (IL)	620-710; 610-710	136	116	Private
Truman State University	560-680; 550-660	140	21	Public
St. Mary's College of Maryland	570-670; 560-650	140	21	Public
DePauw University	560-650; 570-670	140	120	Private
Austin College	560-660; 570-660	140	120	Private
Agnes Scott College	570-680; 540-650	144	122	Private
Knox College	550-680; 550-660	144	122	Private
University of Texas - Austin	540-650; 570-680	144	23	Public
Clemson University	540-640; 590-670	144	23	Public
US Merchant Marine Academy	550-660; 560-670	144	23	Public
University of the South	570-660; 560-650	144	122	Private
University of Missouri - Rolla	24-30	144	23	Public

**Top 200 Institutions - SAT Scores (2002), continued**

Top 151-200 Institutions in SAT Score (2002)	SAT Range (V:Q) or ACT Range	National Rank	Control Rank	Institutional Control
St. John's University (NY)	460-560; 480-580	151	125	Private
College of the Atlantic	550-700; 540-640	151	125	Private
Mary Washington College	570-660; 560-640	151	27	Public
American University	560-670; 550-650	151	125	Private
Miami University - Oxford	550-640; 580-660	151	27	Public
Oglethorpe University	560-680; 540-650	151	125	Private
Denison University	550-650; 560-670	151	125	Private
University of Minnesota - Morris	550-650; 560-670	151	27	Public
Ripon College	570-640; 540-670	159	130	Private
University of Minnesota - Twin Cities	540-660; 550-670	159	30	Public
Rochester Institute of Technology	540-640; 570-670	159	130	Private
Loyola College in Maryland	560-640; 570-650	159	130	Private
University of Maryland - Baltimore County	540-640; 570-670	159	30	Public
New Mexico Institute of Mining and Technology	540-660; 540-680	159	30	Public
Luther College	530-660; 550-680	159	130	Private
Brigham Young University - Provo	540-650; 560-670	159	130	Private
Earlham College	550-690; 530-650	159	130	Private
Santa Clara University	550-650; 560-660	159	130	Private
Syracuse University	550-640; 570-660	159	130	Private
University of Puerto Rico - Bayamon	580-670; 540-630	159	30	Public
University of Texas - Dallas	530-650; 560-680	159	30	Public
Westmont College	560-650; 560-650	159	130	Private
Michigan Technological University	510-640; 570-690	173	35	Public
University of Georgia	550-650; 560-650	173	35	Public
Gordon College (GA)	400-510; 390-510	173	35	Public
Bradley University	540-650; 550-670	173	139	Private
Muhlenberg College	550-640; 560-650	177	140	Private
Louisiana State University - Baton Rouge	24-29	177	38	Public
Polytechnic University	500-600; 600-700	177	140	Private
Drew University	550-670; 540-640	177	140	Private
Marlboro College	590-690; 500-620	177	140	Private
College of Wooster	550-650; 550-650	177	140	Private
Free Will Baptist Bible College	17-36	177	140	Private
Florida Memorial College	21-32	177	140	Private
University of Dallas	550-670; 540-640	177	140	Private
University of Missouri - Columbia	24-29	177	38	Public
Allegheny College	550-650; 550-650	177	140	Private
Emerson College	570-660; 540-630	177	140	Private
Bennington College	580-690; 500-630	177	140	Private
US Naval Academy	530-640; 560-670	177	38	Public
Pepperdine University	540-640; 550-660	191	151	Private
University of Pittsburgh - Pittsburgh	540-640; 560-650	191	41	Public
New School University	580-690; 510-610	191	151	Private
Clarkson University	520-620; 580-670	191	151	Private
North Carolina State University	530-630; 560-670	191	41	Public
Taylor University - Upland	550-660; 540-640	191	151	Private
Milwaukee School of Engineering	510-630; 580-670	191	151	Private
Pennsylvania State University - University Park	530-630; 560-670	191	41	Public
Fairfield University	540-630; 570-650	191	151	Private
Ohio Wesleyan University	540-650; 540-650	200	157	Private
Iowa State University	510-650; 550-670	200	44	Public
College of Saint Benedict	530-650; 550-650	200	157	Private
Ursinus College	540-640; 550-650	200	157	Private
Cornell College	540-660; 540-640	200	157	Private



### The Top 200 Institutions - National Merit and Achievement Scholars (2003)

Top 51 Institutions in Merit and Achievement Scholars (2003)	Number of Scholars	National Rank	Control Rank	Institutional Control
Harvard University	425	1	1	Private
University of Florida	284	2	1	Public
Stanford University	263	3	2	Private
University of Texas - Austin	263	3	2	Public
Yale University	254	5	3	Private
University of Chicago	191	6	4	Private
Princeton University	190	7	5	Private
Washington University in St. Louis	189	8	6	Private
Rice University	182	9	7	Private
University of Southern California	177	10	8	Private
Arizona State University - Tempe	176	11	3	Public
Massachusetts Institute of Technology	174	12	9	Private
University of Oklahoma - Norman	174	12	4	Public
Vanderbilt University	159	14	10	Private
New York University	155	15	11	Private
University of North Carolina - Chapel Hill	151	16	5	Public
Brigham Young University - Provo	141	17	12	Private
Texas A&M University	140	18	6	Public
University of California - Los Angeles	127	19	7	Public
Duke University	123	20	13	Private
University of Pennsylvania	121	21	14	Private
Ohio State University - Columbus	103	22	8	Public
Northwestern University	100	23	15	Private
Georgia Institute of Technology	97	24	9	Public
Purdue University - West Lafayette	94	25	10	Public
University of Georgia	86	26	11	Public
Carleton College	79	27	16	Private
Iowa State University	75	28	12	Public
Howard University	71	29	17	Private
University of California - Berkeley	69	30	13	Public
University of Michigan - Ann Arbor	66	31	14	Public
Boston University	63	32	18	Private
Michigan State University	62	33	15	Public
University of Arizona	59	34	16	Public
University of California - San Diego	59	34	16	Public
Columbia University	58	36	19	Private
Case Western Reserve University	53	37	20	Private
Johns Hopkins University	53	37	20	Private
Brown University	52	39	22	Private
Dartmouth College	52	39	22	Private
Macalester College	52	39	22	Private
University of Maryland - College Park	52	39	18	Public
University of Nebraska - Lincoln	52	39	18	Public
University of Kansas - Lawrence	51	44	20	Public
California Institute of Technology	50	45	25	Private
Emory University	49	46	26	Private
Tulane University	49	46	26	Private
University of Tulsa	49	46	26	Private
University of Notre Dame	47	49	29	Private
University of South Carolina - Columbia	47	49	21	Public
Oberlin College	46	51	30	Private

**The Top 200 Institutions - National Merit and Achievement Scholars (2003), *continued***

Top 52-102 Institutions in Merit and Achievement Scholars (2003)	Number of Scholars	National Rank	Control Rank	Institutional Control
Cornell University	45	52	31	Private
University of Alabama - Tuscaloosa	45	52	22	Public
University of Kentucky	45	52	22	Public
Wheaton College (IL)	45	52	31	Private
Georgetown University	44	56	33	Private
Harvey Mudd College	44	56	33	Private
University of Washington - Seattle	44	56	24	Public
University of Illinois - Urbana-Champaign	43	59	25	Public
University of Virginia	43	59	25	Public
Grinnell College	41	61	35	Private
Kenyon College	41	61	35	Private
Tufts University	41	61	35	Private
University of Arkansas - Fayetteville	41	61	27	Public
Baylor University	40	65	38	Private
George Washington University	40	65	38	Private
University of Minnesota - Twin Cities	40	65	28	Public
Louisiana State University - Baton Rouge	39	68	29	Public
St. Olaf College	38	69	40	Private
Rose-Hulman Institute of Technology	35	70	41	Private
Carnegie Mellon University	34	71	42	Private
Furman University	34	71	42	Private
University of Central Florida	34	71	30	Public
University of Miami	34	71	42	Private
Clemson University	33	75	31	Public
Miami University - Oxford	33	75	31	Public
North Carolina State University	33	75	31	Public
University of Mississippi - Oxford	33	75	31	Public
Williams College	32	79	45	Private
Brandeis University	31	80	46	Private
University of Texas - Dallas	31	80	35	Public
University of Wisconsin - Madison	29	82	36	Public
Auburn University	28	83	37	Public
University of Houston - University Park	28	83	37	Public
Amherst College	26	85	47	Private
University of California - Irvine	26	85	39	Public
Florida A&M University	25	87	40	Public
Mississippi State University	25	87	40	Public
Swarthmore College	25	87	48	Private
University of Tennessee - Knoxville	25	87	40	Public
Washington and Lee University	25	87	48	Private
Pomona College	24	92	50	Private
Bowdoin College	23	93	51	Private
University of Iowa	23	93	43	Public
University of Rochester	23	93	51	Private
University of South Florida	23	93	43	Public
University of Utah	23	93	43	Public
Kansas State University	22	98	46	Public
Virginia Polytechnic Institute and State University	22	98	46	Public
Whitman College	22	98	53	Private
Bowling Green State University - Bowling Green	21	101	48	Public
Calvin College	20	102	54	Private
Oklahoma State University - Stillwater	20	102	49	Public
Pennsylvania State University - University Park	20	102	49	Public
Trinity University	20	102	54	Private
University of Richmond	20	102	54	Private

**The Top 200 Institutions - National Merit and Achievement Scholars (2003), *continued***

Top 107-149 Institutions in Merit and Achievement Scholars (2003)	Number of Scholars	National Rank	Control Rank	Institutional Control
College of William and Mary	19	107	51	Public
Rhodes College (TN)	19	107	57	Private
University of Missouri - Columbia	18	109	52	Public
Claremont McKenna College	17	110	58	Private
Saint Louis University - St. Louis	17	110	58	Private
Texas Tech University	17	110	53	Public
Truman State University	17	110	53	Public
Boston College	16	114	60	Private
Davidson College	16	114	60	Private
Florida State University	16	114	55	Public
Gordon College (MA)	16	114	60	Private
Rensselaer Polytechnic Institute	16	114	60	Private
Rutgers the State University of NJ - New Brunswick	16	114	55	Public
Southern Methodist University	16	114	60	Private
University of Dayton	16	114	60	Private
Wesleyan University	16	114	60	Private
West Virginia University	16	114	55	Public
Hope College	15	124	67	Private
Illinois Wesleyan University	15	124	67	Private
Morehouse College	15	124	67	Private
University of California - Davis	15	124	58	Public
Wake Forest University	15	124	67	Private
Gonzaga University	14	129	71	Private
Rochester Institute of Technology	14	129	71	Private
Scripps College	14	129	71	Private
American University	13	132	74	Private
Colorado State University	13	132	59	Public
Harding University	13	132	74	Private
Indiana University - Bloomington	13	132	59	Public
University of California - Santa Barbara	13	132	59	Public
University of Dallas	13	132	74	Private
University of Louisville	13	132	59	Public
University of Pittsburgh - Pittsburgh	13	132	59	Public
University of Puget Sound	13	132	74	Private
Utah State University	13	132	59	Public
Valparaiso University	13	132	74	Private
Worcester Polytechnic Institute	13	132	74	Private
Gustavus Adolphus College	12	144	80	Private
Hillsdale College	12	144	80	Private
Lewis & Clark College	12	144	80	Private
Loyola University Chicago	12	144	80	Private
Xavier University	12	144	80	Private
Birmingham-Southern College	11	149	85	Private
Marquette University	11	149	85	Private
Messiah College	11	149	85	Private
Oregon State University	11	149	65	Public
Spelman College	11	149	85	Private
University of Evansville	11	149	85	Private
University of Idaho	11	149	65	Public
University of Oregon	11	149	65	Public

**The Top 200 Institutions - National Merit and Achievement Scholars (2003), *continued***

Top 157-193 Institutions in Merit and Achievement Scholars (2003)	Number of Scholars	National Rank	Control Rank	Institutional Control
Butler University	10	157	90	Private
Hampshire College	10	157	90	Private
University of Cincinnati - Cincinnati	10	157	68	Public
University of the South	10	157	90	Private
Denison University	9	161	93	Private
Kalamazoo College	9	161	93	Private
University of Missouri - Rolla	9	161	69	Public
University of St. Thomas (MN)	9	161	93	Private
Willamette University	9	161	93	Private
Alfred University	8	166	97	Private
Colorado College	8	166	97	Private
Lehigh University	8	166	97	Private
Michigan Technological University	8	166	70	Public
Middlebury College	8	166	97	Private
Samford University	8	166	97	Private
University of Delaware	8	166	70	Public
University of North Texas	8	166	70	Public
Alma College	7	174	102	Private
Bethel College (IN)	7	174	102	Private
Bucknell University	7	174	102	Private
DePauw University	7	174	102	Private
Hendrix College	7	174	102	Private
Ithaca College	7	174	102	Private
Luther College	7	174	102	Private
Ohio University - Athens	7	174	73	Public
Transylvania University	7	174	102	Private
University of Alabama - Birmingham	7	174	73	Public
Wellesley College	7	174	102	Private
Abilene Christian University	6	185	111	Private
Pepperdine University	6	185	111	Private
University of Illinois - Chicago	6	185	75	Public
University of Maryland - Baltimore County	6	185	75	Public
Wabash College	6	185	111	Private
Washington State University - Pullman	6	185	75	Public
Western Washington University	6	185	75	Public
Wofford College	6	185	111	Private
Ball State University	5	193	79	Public
Bryn Mawr College	5	193	115	Private
Centre College	5	193	115	Private
College of New Jersey	5	193	79	Public
Goshen College	5	193	115	Private
Louisiana Tech University	5	193	79	Public
Montana State University - Bozeman	5	193	79	Public
Occidental College	5	193	115	Private
Sarah Lawrence College	5	193	115	Private
University of North Dakota	5	193	79	Public
Ursinus College	5	193	115	Private
Westmont College	5	193	115	Private



# Source Notes

## *The Center Measures*

### Total Research Expenditures Federal Research Expenditures

Source: NSF/SRS Survey of R&D Expenditures at Universities and Colleges, FY 2002.

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 Linear Accelerator Center (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 nearly one-half of Johns Hopkins’ total R&D expenditures and 53 percent of its 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.<sup>2</sup> 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. Developed by Research Associates of Washing-

ton, the R&DPI illustrates the effect of inflation on college and university operations.<sup>3</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>4</sup>

The research trend data always reflect the most recent published data available because NSF allows institutions to submit revised figures for up to two years. Each year, NSF reports data for the current year as well as for the previous seven years. Specifically, we use the 2002 Survey data for fiscal years (FYs) 2000-01, the 2001 Survey for FYs 1994-99 data, and the 2000 Survey for FY 1993 data. NSF’s published nationwide totals for academic R&D expenditures will not always match the corresponding totals in this study due to NSF’s sampling procedures for smaller or non-reporting institutions. In some years, rather than identifying the institutions individually, NSF provides one aggregate figure for all sampled institutions.

## Endowment Assets

*Source:* NACUBO Endowment Study as reported in the *Chronicle of Higher Education*, endowment market value as of June 30, 2003.

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, but these figures are often much lower than the two other sources and also are available much later. Although IPEDS instructions say to report endowment assets for “the institution and any of its foundations or affiliated organizations,” it appears that not all institutions do so.

The fact that the NACUBO study requests net assets, while IPEDS and the VSE survey request gross assets, cannot explain the large differences found in some cases. In calling various institutions, we found it very difficult to determine exactly why the numbers vary so greatly. Oftentimes, two or more individuals at an institution independently report figures for these three reports with no clear understanding of how or why the numbers differ. An examination of the 1997 endowment figures provided by these institutions showed only one university (University of North Carolina at Chapel Hill) that submitted the same figure to each of the three organizations. We discovered no consistent pattern to explain reporting variations among the institutions. This area definitely warrants more study.

## Annual Giving

*Source:* Council for Aid to Education’s Voluntary Support of Education (VSE) Survey, FY 2003.

The Council for Aid to Education (CAE), an independent subsidiary of RAND, has produced the Voluntary Support of Education (VSE) Survey since 1986. 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

1. Academic R&D Expenditures, FY 2000: Technical Notes (*On-line:* <http://www.nsf.gov/sbe/srs/nsf02308/secta.htm>)
2. National Patterns of R&D Resources, 1998: Technical Notes (*On-line:* <http://www.nsf.gov/sbe/srs/nsf99335/appa.htm>)
3. College and University Higher Education Price Index, 2004 Update, *Research Associates of Washington, Washington, DC.*
4. National Patterns of R&D Resources, 1998: Technical Notes (*On-line:* <http://www.nsf.gov/sbe/srs/nsf99335/appa.htm>)

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 on-line, provides 10 years of data for all participating institutions (more than 1,600 universities and colleges). Although this is a subscription-based service and requires a user ID and password, limited access is available on-line 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 2003.

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 on-line 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, 2002-03

- Beckman Young Investigators, 2003
- Burroughs Wellcome Fund Career Awards, 2003
- Cottrell Scholars, 2003
- Fulbright American Scholars, 2003-04
- Getty Scholars in Residence, 2003-04
- Guggenheim Fellows, 2003
- Howard Hughes Medical Institute Investigators, (This award excluded this year as no awards were given)
- Lasker Medical Research Awards, 2003
- MacArthur Foundation Fellows, 2003
- Andrew W. Mellon Foundation Distinguished Achievement Awards, 2003
- National Endowment for the Humanities (NEH) Fellows, 2004
- National Humanities Center Fellows, 2003-04
- National Institutes of Health (NIH) MERIT (R37) and Outstanding Investigator (R35), FY 2003
- National Medal of Science and National Medal of Technology, 2002 (2003 data not available at time of publication)
- NSF CAREER awards (excluding those who are also PECASE winners), 2002 (2003 PECASE data not available at time of publication)
- Newberry Library Long-term Fellows, 2003-04
- Pew Scholars in Biomedicine, 2003
- Presidential Early Career Awards for Scientists and Engineers (PECASE), 2002 (2003 data not available at time of publication)
- Robert Wood Johnson Policy Fellows, 2003-04
- Searle Scholars, 2003
- Sloan Research Fellows, 2003
- US Secretary of Agriculture Honor Awards, 2003
- Woodrow Wilson Fellows, 2003-04

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, 2002, and June 30, 2003.

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, *The Center* presents degrees awarded at other levels—associate’s, bachelor’s, master’s, and professional degrees—in the Student Characteristics table (see Data Tables, pp. 178).

## Postdoctoral Appointees

*Source:* NSF/Division of Science Resource Statistics (SRS) Survey of Graduate Students and Postdoctorates in Science and Engineering, Fall 2002.

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>5</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:* the Annual Survey of Colleges of the College Board and Data Base, 2003-2004. Copyright © 2003 College Entrance Examination Board. All rights reserved.

The College Board reports the 25<sup>th</sup> and 75<sup>th</sup> percentiles for verbal and quantitative SAT I scores for most institutions in our study. The institutions submit these data to The College Board each spring through its Annual Survey of Colleges. For our measure, we calculated the median of that range. Some institutions report the ACT instead of the SAT to The College Board. In those cases, we use a conversion table provided by The College Board to generate a comparable SAT equivalent score.<sup>6</sup> When an institution submits neither an SAT nor ACT score, we substitute data from the prior year reported.

## Other Measures of Undergraduate Quality

### National Merit and Achievement Scholars

*Source:* The 2002-03 National Merit Scholarship Corporation Annual Report, which reflects the 2003 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,

5. Survey Methodology: Survey of Graduate Students and Postdoctorates in Science and Engineering (On-line: <http://www.nsf.gov/sbe/srs/sgss/postmeth.htm>)

6. Concordance Between SAT I and ACT Scores for Individual Students, *Research Notes 07, June 1999* (On-line: [http://www.collegeboard.org/research/html/rn\\_indx.html](http://www.collegeboard.org/research/html/rn_indx.html).)

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 *The Center's* 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, 2002, and June 30, 2003.

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

*Source:* NSF/SRS Survey of R&D Expenditures at Universities and Colleges, FY 2002.

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 (Data Tables, pp. 74), we provide the proportion of total and federal expenditures in each discipline for those institutions with more than \$20 million in federal research. These data are useful for developing groups of similar institutions for peer analysis.

The Institutional Characteristics table (Data Tables, pp. 170) 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 \$20 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. *TheCenter* chooses 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, 2002.

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. *TheCenter* provides 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 *TheCenter's* nine quality measures, we did not attempt to adjust these figures.

## 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, *TheCenter* adjusts the original reported figures, when necessary, to ensure that all data represent the strength of a single-campus institution. *TheCenter* 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 postdoctorates), 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 web site. As a last resort, we use prior-year data as a substitute.

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.

*TheCenter* 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 \$20 million in fiscal year 2002 federal research. Data notes for all other research universities are available on *TheCenter* web site <http://thecenter.ufl.edu>.

### Data Notes for Universities with Over \$20 Million in Federal Research

UNIVERSITY / STATISTIC	Original Data (dollars in thousands)	TheCenter Data (dollars in thousands)	Comments
<b>Arizona State University - Tempe</b>			
2002 Total Research Expenditures (NSF)	\$123,016	\$123,016	Estimate at least 97% is main campus, per institution. All dollars credited to Tempe campus.
2002 Federal Research Expenditures (NSF)	\$64,407	\$64,407	Estimate at least 97% is main campus, per institution. All dollars credited to Tempe campus.
2003 Endowment Assets (NACUBO)	\$221,179	\$221,179	Estimate at least 97% is main campus, per institution. All dollars credited to Tempe campus.
2003 Annual Giving (CAE VSE Survey)	\$63,058	\$59,275	Estimate 94% is Tempe campus, per institution.
<b>Auburn University</b>			
2002 Total Research Expenditures (NSF)	\$108,775	\$108,775	Estimate at least 97% is main campus, with institution's knowledge. All dollars credited to Auburn campus.
2002 Federal Research Expenditures (NSF)	\$42,432	\$42,432	Estimate at least 97% is main campus, with institution's knowledge. All dollars credited to Auburn campus.
2003 Endowment Assets (NACUBO)	\$240,393	\$224,287	Estimate 93.3% is Auburn campus, per institution.
2003 Annual Giving (CAE VSE Survey)	\$44,797	\$44,215	Estimate 98.7% is Auburn campus, per institution.
<b>Georgia Institute of Technology</b>			
2003 Endowment Assets (NACUBO)	\$1,021,481	\$1,021,481	Data represent both the Georgia Tech Foundation and the Georgia Institute of Technology, per institution.
<b>Indiana University - Bloomington</b>			
2002 Total Research Expenditures (NSF)	\$299,080	\$119,632	Estimate 40% is Bloomington campus, with institution's knowledge.
2002 Federal Research Expenditures (NSF)	\$132,759	\$53,104	Estimate 40% is Bloomington campus, with institution's knowledge.
2003 Endowment Assets (NACUBO)	\$941,068	\$489,355	Estimate 52% is Bloomington campus, with institution's knowledge.
2003 Annual Giving (CAE VSE Survey)	\$249,988	\$49,283	Data provided on institution's website.
2002 Postdoctoral Appointees (NSF)	375	150	Data obtained directly from NSF for Bloomington campus.
<b>Indiana University-Purdue University - Indianapolis</b>			
2002 Total Research Expenditures (NSF)	\$299,080	\$179,448	Estimate 60% is IUPUI campus, with institution's knowledge.
2002 Federal Research Expenditures (NSF)	\$132,759	\$79,655	Estimate 60% is IUPUI campus, with institution's knowledge.
2003 Endowment Assets (NACUBO)	\$941,068	\$423,481	Estimate 45% is IUPUI campus, with institution's knowledge.
2003 Annual Giving (CAE VSE Survey)	\$249,988	\$99,336	Data provided on institution's website.
2002 Postdoctoral Appointees (NSF)	375	225	Data obtained directly from NSF for Purdue University-Indianapolis campus.
<b>Johns Hopkins University</b>			
2002 Total Research Expenditures (NSF)	\$1,140,235	\$1,140,235	Johns Hopkins' primarily federally funded Applied Physics Lab had \$560 million in total FY 02 R&D expenditures.
2002 Federal Research Expenditures (NSF)	\$1,022,510	\$1,022,510	Johns Hopkins' primarily federally funded Applied Physics Lab had \$540 million in federal FY 02 R&D expenditures.
<b>Louisiana State University - Baton Rouge</b>			
2002 Total Research Expenditures (NSF)	\$287,363	\$197,993	Estimate 68.9% is Baton Rouge campus, per institution.
2002 Federal Research Expenditures (NSF)	\$97,928	\$52,784	Estimate 53.9% is Baton Rouge campus, per institution.
2003 Endowment Assets (NACUBO)	\$416,939	\$227,232	Estimate 54.5% is Baton Rouge campus, per institution.
2003 Annual Giving (CAE VSE Survey)	Not Reported	\$38,751	Data provided by institution.
2002 Postdoctoral Appointees (NSF)	215	86	Data obtained directly from NSF for Baton Rouge campus.

<b>Data Notes for Universities with Over \$20 Million in Federal Research</b>			
UNIVERSITY / STATISTIC	Original Data (dollars in thousands)	<i>TheCenter</i> Data (dollars in thousands)	Comments
<b>Louisiana State University Health Sciences Center</b>			
2002 Total Research Expenditures (NSF)	\$287,363	\$64,082	Estimate 22.3% is Health Science Center, per institution.
2002 Federal Research Expenditures (NSF)	\$97,928	\$30749	Estimate 31.4% is Health Science Center, per institution.
2003 Endowment Assets (NACUBO)	\$416,939	\$58,788	Estimate 14.1% is Health Sciences Center campus, per institution.
2002 Postdoctoral Appointees (NSF)	215	59	Data obtained directly from NSF for Health Sciences Center campus.
<b>Medical College of Wisconsin</b>			
2003 Annual Giving (CAE VSE Survey)	Not Reported	\$8,661	Data obtained from institution's Web site.
<b>New Jersey Institute of Technology</b>			
2002 Total Research Expenditures (NSF)	\$61,424	\$61,424	Institution revised numbers after completion of data collection. Corrected Total Research Expenditures is \$69,138.
2002 Federal Research Expenditures (NSF)	\$25,641	\$25,641	Institution revised numbers after completion of data collection. Corrected Federal Research Expenditures is \$27,550.
<b>New Mexico State University - Las Cruces</b>			
2002 Total Research Expenditures (NSF)	\$103,078	\$103,078	Estimate at least 97% is main campus, per institution. All dollars credited to Las Cruces campus.
2002 Federal Research Expenditures (NSF)	\$70,314	\$70,314	Estimate at least 97% is main campus, per institution. All dollars credited to Las Cruces campus.
2003 Endowment Assets (NACUBO)	\$93,410	\$93,410	Estimate at least 97% is main campus, per institution. All dollars credited to Las Cruces campus.
2003 Annual Giving (CAE VSE Survey)	\$13,091	\$13,091	Estimate at least 97% is main campus. All dollars credited to Las Cruces campus.
<b>North Dakota State University</b>			
2003 Annual Giving (CAE VSE Survey)	Not Reported	\$8,930	Data provided by institution.
<b>Ohio State University - Columbus</b>			
2002 Total Research Expenditures (NSF)	\$432,387	\$432,387	Estimate at least 97% is main campus, per institution. All dollars credited to Columbus campus.
2002 Federal Research Expenditures (NSF)	\$177,883	\$177,883	Estimate at least 97% is main campus, per institution. All dollars credited to Columbus campus.
2003 Endowment Assets (NACUBO)	\$1,216,574	\$1,216,574	Estimate at least 97% is main campus, per institution. All dollars credited to Columbus campus.
2003 Annual Giving (CAE VSE Survey)	\$195,759	\$195,759	Estimate at least 97% is main campus, per institution. All dollars credited to Columbus campus.
<b>Oklahoma State University - Stillwater</b>			
2002 Total Research Expenditures (NSF)	\$94,987	\$94,987	Estimate at least 97% is main campus, per institution. All dollars credited to Stillwater campus.
2002 Federal Research Expenditures (NSF)	\$31,100	\$31,100	Estimate at least 97% is main campus, per institution. All dollars credited to Stillwater campus.
2003 Endowment Assets (NACUBO)	\$149,279	\$149,279	Estimate at least 97% is main campus, per institution. All dollars credited to Stillwater campus.
2003 Annual Giving (CAE VSE Survey)	\$40,183	\$40,183	Estimate at least 97% is main campus, per institution. All dollars credited to Stillwater campus.
<b>Oregon Health &amp; Science University</b>			
2003 Annual Giving (CAE VSE Survey)	Not Reported	\$42,627	Data provided by institution.

## Data Notes for Universities with Over \$20 Million in Federal Research

UNIVERSITY / STATISTIC	Original Data (dollars in thousands)	TheCenter Data (dollars in thousands)	Comments
<b>Oregon State University</b>			
2002 Postdoctoral Appointees (NSF)	Not Reported	107	Data obtained directly from NSF.
<b>Pennsylvania State University - Hershey Medical Ctr</b>			
2002 Total Research Expenditures (NSF)	\$492,739	\$49,274	Estimate 10% is Hershey campus, per institution.
2002 Federal Research Expenditures (NSF)	\$284,706	\$28,471	Estimate 10% is Hershey campus, per institution.
2003 Endowment Assets (NACUBO)	\$919,422	\$128,719	Estimate 14% is Hershey campus, per institution.
2003 Annual Giving (CAE YSE Survey)	\$181,314	\$21,758	Estimate 12% is Hershey campus, per institution.
2002 Postdoctoral Appointees (NSF)	334	68	Data obtained directly from NSF for Hershey campus.
<b>Pennsylvania State University - University Park</b>			
2002 Total Research Expenditures (NSF)	\$492,739	\$443,465	Estimate 90% is University Park campus, per institution.
2002 Federal Research Expenditures (NSF)	\$284,706	\$256,235	Estimate 90% is University Park campus, per institution.
2003 Endowment Assets (NACUBO)	\$919,422	\$689,567	Estimate 75% is University Park campus, per institution.
2003 Annual Giving (CAE YSE Survey)	\$181,314	\$121,480	Estimate 67% is University Park campus, per institution.
2002 Postdoctoral Appointees (NSF)	334	266	Data obtained directly from NSF for University Park campus.
<b>Purdue University - West Lafayette</b>			
2002 Total Research Expenditures (NSF)	\$285,778	\$285,778	Estimate at least 97% is main campus, per institution. All dollars credited to West Lafayette campus.
2002 Federal Research Expenditures (NSF)	\$107,477	\$107,477	Estimate at least 97% is main campus, per institution. All dollars credited to West Lafayette campus.
2003 Endowment Assets (NACUBO)	\$1,056,767	\$1,017,667	Estimate 96.3% is West Lafayette campus, per institution.
2003 Annual Giving (CAE YSE Survey)	\$103,445	\$103,445	Estimate at least 98% is main campus, per institution. All dollars credited to West Lafayette campus.
<b>Rockefeller University</b>			
2003 Doctorates Awarded (IPEDS)	Not Reported	34	Data provided by institution.
<b>Rutgers the State University of NJ - New Brunswick</b>			
2002 Total Research Expenditures (NSF)	\$258,829	\$230,358	Estimate 89% is New Brunswick campus, per institution.
2002 Federal Research Expenditures (NSF)	\$91,205	\$81,172	Estimate 89% is New Brunswick campus, per institution.
2003 Endowment Assets (NACUBO)	\$398,178	\$366,324	Estimate 92% is New Brunswick campus, per institution.
2003 Annual Giving (CAE YSE Survey)	\$92,783	\$79,793	Estimate 86% is New Brunswick campus, per institution.
2002 Postdoctoral Appointees (NSF)	159	135	Data obtained directly from NSF for New Brunswick campus.
<b>Texas A&amp;M University</b>			
2003 Endowment Assets (NACUBO)	\$3,802,712	\$3,525,114	Estimate 92.7% is University campus, per institution.
<b>Texas A&amp;M University System Health Sciences Center</b>			
2003 Endowment Assets (NACUBO)	\$3,802,712	\$57,421	Estimate 1.51% is Health Sciences Center campus, per institution.
<b>Texas Tech University</b>			
2002 Total Research Expenditures (NSF)	\$82,785	\$63,248	Estimate 76.4% is main campus, per institution.
2002 Federal Research Expenditures (NSF)	\$28,202	\$20,390	Estimate 72.3% is main campus, per institution.
2003 Endowment Assets (NACUBO)	\$343,881	\$199,189	Data provided by institution.
2003 Annual Giving (CAE YSE Survey)	\$32,316	\$26,822	Estimate 83% is main campus, per institution.
2002 Postdoctoral Appointees (NSF)	91	60	Data obtained directly from NSF for main campus.
<b>Thomas Jefferson University</b>			
2003 Annual Giving (CAE YSE Survey)	Not Reported	\$15,548	Data provided by institution.

<b>Data Notes for Universities with Over \$20 Million in Federal Research</b>			
UNIVERSITY / STATISTIC	Original Data (dollars in thousands)	<i>TheCenter</i> Data (dollars in thousands)	Comments
<b>University of Alabama - Birmingham</b>			
2003 Endowment Assets (NACUBO)	\$602,301	\$242,125	Estimate 40.2% is Birmingham campus, per institution.
<b>University of Alabama - Huntsville</b>			
2003 Endowment Assets (NACUBO)	\$602,301	\$18,069	Estimate 3% is Huntsville campus, per institution.
<b>University of Alabama - Tuscaloosa</b>			
2003 Endowment Assets (NACUBO)	\$602,301	\$342,107	Estimate 56.8% is Tuscaloosa campus, per institution.
2003 Annual Giving (CAE VSE Survey)	Not Reported	\$43,313	Data provided by institution.
<b>University of Alaska - Fairbanks</b>			
2003 Endowment Assets (NACUBO)	\$181,378	\$4,1717	Estimate 23% is Fairbanks campus, per institution.
2003 Annual Giving (CAE VSE Survey)	Not Reported	\$6,480	Data provided by institution.
<b>University of Arkansas - Fayetteville</b>			
2003 Endowment Assets (NACUBO)	\$546,267	\$493,775	Data provided by institution.
2003 Annual Giving (CAE VSE Survey)	\$365,307	\$333,049	Data provided by institution.
<b>University of Arkansas for Medical Sciences</b>			
2003 Endowment Assets (NACUBO)	Not Reported	\$40,291	Data provided by institution.
2003 Annual Giving (CAE VSE Survey)	Not Reported	\$22,558	Data provided by institution.
<b>University of California - Berkeley</b>			
2003 Endowment Assets (NACUBO)	\$4,368,911	\$1,793,647	The NACUBO data shown here is for the University of California System. <i>TheCenter</i> substituted FY 03 VSE data.
<b>University of California – Los Angeles</b>			
2002 Postdoctoral Appointees (NSF)	1351	1351	Data verified by NSF. Institution reported an increase in postdoctoral appointees across all disciplines and schools, which is attributed to the new Office of Postdoctoral Appointees and Visiting Scholars.
<b>University of California - Riverside</b>			
2003 Endowment Assets (NACUBO)	Not Reported	\$63,886	Data provided by institution.
2003 Annual Giving (CAE VSE Survey)	Not Reported	\$16,035	Data provided by institution.
<b>University of California - Santa Barbara</b>			
2003 Endowment Assets (NACUBO)	\$4,368,911	\$88,346	The NACUBO data shown here is for the University of California System. <i>TheCenter</i> substituted FY 03 VSE data.
<b>University of California - Santa Cruz</b>			
2003 Endowment Assets (NACUBO)	\$4,368,911	\$74,643	The NACUBO data shown here is for the University of California System. <i>TheCenter</i> substituted FY 03 VSE data.
<b>University of Cincinnati - Cincinnati</b>			
2003 Endowment Assets (NACUBO)	\$873,327	\$873,327	Estimate at least 97% can be attributed to main campus, per institution. All dollars credited to Cincinnati campus.
2003 Annual Giving (CAE VSE Survey)	\$51,491	\$51,491	Estimate at least 99% is main campus, per institution. All dollars credited to Cincinnati campus.
<b>University of Colorado - Boulder</b>			
2002 Total Research Expenditures (NSF)	\$399,818	\$219,900	Estimate 55% is Boulder campus, with institution's knowledge.
2002 Federal Research Expenditures (NSF)	\$340,466	\$190,661	Estimate 56% is Boulder campus, with institution's knowledge.
2003 Endowment Assets (NACUBO)	\$386,935	\$193,468	Estimate 50% is Boulder campus, per institution.
2003 Annual Giving (CAE VSE Survey)	\$98,999	\$39,600	Estimate 40% is Boulder campus, per institution.
2002 Postdoctoral Appointees (NSF)	947	680	Data obtained directly from NSF for Boulder campus.



## Data Notes for Universities with Over \$20 Million in Federal Research

UNIVERSITY / STATISTIC	Original Data (dollars in thousands)	<i>TheCenter</i> Data (dollars in thousands)	Comments
<b>University of Colorado Health Sciences Center</b>			
2002 Total Research Expenditures (NSF)	\$399,818	\$175,920	Estimate 44% is Health Sciences Center, with institution's knowledge.
2002 Federal Research Expenditures (NSF)	\$340,466	\$146,400	Estimate 43% is Health Sciences Center campus, per institution.
2003 Endowment Assets (NACUBO)	\$386,935	\$119,950	Estimate 31% is Health Science Center campus, per institution.
2003 Annual Giving (CAE VSE Survey)	\$98,999	\$42,570	Estimate 43% is Health Science Center, per institution.
2002 Postdoctoral Appointees (NSF)	947	267	Data obtained directly from NSF for Health Sciences Center campus.
<b>University of Connecticut - Health Center</b>			
2002 Total Research Expenditures (NSF)	\$172,003	\$75,681	Estimate 44% is Health Center campus, with institution's knowledge.
2002 Federal Research Expenditures (NSF)	\$93,326	\$41,063	Estimate 44% is Health Center campus, with institution's knowledge.
2003 Endowment Assets (NACUBO)	\$167,863	\$55,395	Estimate 33% is Health Center campus, per institution.
2003 Annual Giving (CAE VSE Survey)	\$42,503	\$8,501	Estimate 20% is Health Science Center, per institution.
2002 Postdoctoral Appointees (NSF)	248	123	Data obtained directly from NSF for Health Center campus.
<b>University of Connecticut - Storrs</b>			
2002 Total Research Expenditures (NSF)	\$172,003	\$96,322	Estimate 56% is Storrs campus, with institution's knowledge.
2002 Federal Research Expenditures (NSF)	\$93,326	\$52,263	Estimate 56% is Storrs campus, with institution's knowledge.
2003 Endowment Assets (NACUBO)	\$167,863	\$112,468	Estimate 67% is Storrs campus, per institution.
2003 Annual Giving (CAE VSE Survey)	\$42,503	\$34,002	Estimate 80% is Storrs campus, per institution.
2002 Postdoctoral Appointees (NSF)	248	125	Data obtained directly from NSF for Storrs campus.
<b>University of Hawaii - Manoa</b>			
2003 Endowment Assets (NACUBO)	\$152,111	\$141,463	Estimate 93% is Manoa campus, per institution.
2003 Annual Giving (CAE VSE Survey)	\$24,296	\$21,623	Estimate 89% is Manoa campus, per institution.
<b>University of Houston - University Park</b>			
2003 Endowment Assets (NACUBO)	\$364,154	\$280,399	Estimate 77% is University Park campus, per institution.
2003 Annual Giving (CAE VSE Survey)	\$38,539	\$28,519	Estimate 74% is University Park campus, per institution.
<b>University of Illinois - Chicago</b>			
2003 Endowment Assets (NACUBO)	\$904,960	\$117,645	Estimate 13% is Chicago campus, per institution.
2003 Annual Giving (CAE VSE Survey)	\$167,984	\$47,036	Estimate 28% is Chicago campus, per institution.
<b>University of Illinois - Urbana-Champaign</b>			
2003 Endowment Assets (NACUBO)	\$904,960	\$615,373	Estimate 68% is Urbana-Champaign campus, per institution.
2003 Annual Giving (CAE VSE Survey)	\$167,984	\$114,229	Estimate 68% is Urbana-Champaign campus, per institution.
<b>University of Kansas - Lawrence</b>			
2002 Total Research Expenditures (NSF)	\$172,131	\$103,451	Estimate 60.1% is Lawrence campus, per institution.
2002 Federal Research Expenditures (NSF)	\$82,663	\$49,184	Estimate 59.5% is Lawrence campus, per institution.
2003 Endowment Assets (NACUBO)	\$734,536	\$572,938	Estimate 78% is Lawrence campus, per institution.
2003 Annual Giving (CAE VSE Survey)	\$86,057	\$70,567	Estimate 82% is Lawrence campus, per institution.
2002 Postdoctoral Appointees (NSF)	178	131	Data obtained directly from NSF for Lawrence campus.
<b>University of Kansas Medical Center</b>			
2002 Total Research Expenditures (NSF)	\$172,131	\$68,680	Estimate 39.9% is Medical Center campus, per institution.
2002 Federal Research Expenditures (NSF)	\$82,663	\$33,479	Estimate 40.5% is Medical Center campus, per institution.
2003 Endowment Assets (NACUBO)	\$734,536	\$161,598	Estimate 22% is Medical Center campus, per institution.
2003 Annual Giving (CAE VSE Survey)	\$86,057	\$15,490	Estimate 18% is Medical Center campus, per institution.
2002 Postdoctoral Appointees (NSF)	178	47	Data obtained directly from NSF for Medical Center campus.

<b>Data Notes for Universities with Over \$20 Million in Federal Research</b>			
UNIVERSITY / STATISTIC	Original Data (dollars in thousands)	<i>TheCenter</i> Data (dollars in thousands)	Comments
<b>University of Maryland - Baltimore</b>			
2003 Endowment Assets (NACUBO)	\$452,524	\$135,757	Estimate 30% is Baltimore campus, per institution.
<b>University of Maryland - Baltimore County</b>			
2003 Endowment Assets (NACUBO)	\$452,524	\$13,576	Estimate 3% is Baltimore County campus, per institution.
<b>University of Maryland - College Park</b>			
2003 Endowment Assets (NACUBO)	\$452,524	\$289,615	Estimate 64% is College Park campus, per institution.
<b>University of Massachusetts - Amherst</b>			
2003 Endowment Assets (NACUBO)	\$171,144	\$66,746	Estimate 39% is Amherst campus, per institution.
<b>University of Massachusetts Medical Sch - Worcester</b>			
2003 Endowment Assets (NACUBO)	\$171,144	\$37,652	Estimate 22% is Worcester campus, per institution.
2002 Postdoctoral Appointees (NSF)	Not Reported	304	Data obtained directly from NSF.
<b>University of Medicine &amp; Dentistry of New Jersey</b>			
2003 Annual Giving (CAE VSE Survey)	Not Reported	\$17,800	Data obtained from institution's Web site.
<b>University of Michigan - Ann Arbor</b>			
2002 Total Research Expenditures (NSF)	\$673,724	\$673,724	Estimate at least 97% is main campus, with institution's knowledge. All dollars credited to Ann Arbor campus.
2002 Federal Research Expenditures (NSF)	\$444,255	\$444,255	Estimate at least 97% is main campus, with institution's knowledge. All dollars credited to Ann Arbor campus.
2003 Endowment Assets (NACUBO)	\$3,464,515	\$3,395,225	Estimate 98% is Ann Arbor campus, per institution.
2003 Annual Giving (CAE VSE Survey)	\$183,895	\$180,217	Estimate 98% is Ann Arbor campus, per institution.
<b>University of Minnesota - Twin Cities</b>			
2002 Total Research Expenditures (NSF)	\$494,265	\$494,265	Estimate at least 97% is main campus, per institution. All dollars credited to Twin Cities campus.
2002 Federal Research Expenditures (NSF)	\$295,301	\$295,301	Estimate at least 97% is main campus, per institution. All dollars credited to Twin Cities campus.
2003 Endowment Assets (NACUBO)	\$1,336,020	\$1,336,020	Includes Minn. Med. Fdtn. Estimate at least 97% is main campus, per institution. All dollars credited to Twin Cities campus.
2003 Annual Giving (CAE VSE Survey)	\$244,851	\$244,851	Estimate at least 97% is main campus, per institution. All dollars credited to the Twin Cities campus.
2002 Postdoctoral Appointees (NSF)	757	749	Data obtained directly from NSF for Twin Cities campus.
<b>University of Mississippi - Oxford</b>			
2002 Total Research Expenditures (NSF)	\$67,838	\$47,894	Estimate 70.6% is Oxford campus, per institution.
2002 Federal Research Expenditures (NSF)	\$50,092	\$38,671	Estimate 77.2% is Oxford campus, per institution.
2003 Endowment Assets (NACUBO)	\$333,509	\$273,477	Estimate 82% is Oxford campus, per institution.
2003 Annual Giving (CAE VSE Survey)	\$52,021	\$48,900	Estimate 94% is Oxford campus, per institution.
2002 Postdoctoral Appointees (NSF)	64	52	Data obtained directly from NSF for Oxford campus.
<b>University of Missouri - Columbia</b>			
2003 Endowment Assets (NACUBO)	Not Reported	\$433,936	Substituted FY 03 VSE data.
<b>University of Nebraska - Lincoln</b>			
2003 Endowment Assets (NACUBO)	\$775,718	\$581,789	Estimate 75% is Lincoln campus, per institution.
2003 Annual Giving (CAE VSE Survey)	\$94,200	\$55,578	Estimate 59% is Lincoln campus, per institution.

## Data Notes for Universities with Over \$20 Million in Federal Research

UNIVERSITY / STATISTIC	Original Data (dollars in thousands)	<i>TheCenter</i> Data (dollars in thousands)	Comments
<b>University of Nebraska Medical Center</b>			
2003 Endowment Assets (NACUBO)	\$775,718	\$139,629	Estimate 18% is Medical Center, per institution.
2003 Annual Giving (CAE VSE Survey)	\$94,200	\$31,086	Estimate 33% is Medical Center campus, per institution.
<b>University of New Hampshire - Durham</b>			
2002 Total Research Expenditures (NSF)	\$93,222	\$93,222	Estimate at least 97% is main campus, per institution. All dollars credited to Durham campus.
2002 Federal Research Expenditures (NSF)	\$50,829	\$50,829	Estimate at least 97% is main campus, per institution. All dollars credited to Durham campus.
2003 Endowment Assets (NACUBO)	\$156,929	\$141,236	Estimate 90% is Durham campus, per institution.
2003 Annual Giving (CAE VSE Survey)	\$13,056	\$13,056	Estimate at least 97% is main campus, per institution. All dollars credited to Durham campus.
<b>University of New Mexico - Albuquerque</b>			
2003 Endowment Assets (NACUBO)	\$201,486	\$201,486	Estimate at least 97% is main campus, per institution. All dollars credited to Albuquerque campus.
2003 Annual Giving (CAE VSE Survey)	\$41,043	\$41,043	Estimate at least 97% is main campus, per institution. All dollars credited to Albuquerque campus.
<b>University of Oklahoma - Norman</b>			
2002 Total Research Expenditures (NSF)	\$169,373	\$106,705	Estimate 63% is Norman campus, per institution.
2002 Federal Research Expenditures (NSF)	\$69,388	\$37,470	Estimate 54% is Norman campus, per institution.
2003 Endowment Assets (NACUBO)	\$588,669	\$412,068	Estimate 70% is Norman campus, per institution.
2003 Annual Giving (CAE VSE Survey)	\$87,614	\$64,834	Estimate 74% is Norman campus, per institution.
2002 Postdoctoral Appointees (NSF)	102	43	Data obtained directly from NSF for Norman campus.
<b>University of Oklahoma Health Sciences Center</b>			
2002 Total Research Expenditures (NSF)	\$169,373	\$62,668	Estimate 37% is Health Science Center campus, per institution.
2002 Federal Research Expenditures (NSF)	\$69,388	\$31,918	Estimate 46% is Health Science Center campus, per institution.
2003 Endowment Assets (NACUBO)	\$588,669	\$176,601	Estimate 30% is Health Sciences Center campus, per institution.
2003 Annual Giving (CAE VSE Survey)	\$87,614	\$22,780	Estimate 26% is Health Sciences Center campus, per institution.
2002 Postdoctoral Appointees (NSF)	102	59	Data obtained directly from NSF for Health Sciences Center campus.
<b>University of Pittsburgh - Pittsburgh</b>			
2002 Total Research Expenditures (NSF)	\$400,200	\$400,200	Estimate at least 97% is main campus, per institution. All dollars credited to Pittsburgh campus.
2002 Federal Research Expenditures (NSF)	\$306,913	\$306,913	Estimate at least 97% is main campus, per institution. All dollars credited to Pittsburgh campus.
2003 Endowment Assets (NACUBO)	\$1,156,618	\$1,156,618	Estimate at least 97% is main campus, per institution. All dollars credited to Pittsburgh campus.
2003 Annual Giving (CAE VSE Survey)	\$94,545	\$94,545	Estimate at least 97% is main campus, per institution. All dollars credited to Pittsburgh campus.
<b>University of South Carolina - Columbia</b>			
2002 Total Research Expenditures (NSF)	\$123,108	\$123,108	Estimate at least 97% is main campus, with institution's knowledge. All dollars credited to Columbia campus.
2002 Federal Research Expenditures (NSF)	\$53,403	\$53,403	Estimate at least 97% is main campus, with institution's knowledge. All dollars credited to Columbia campus.
2003 Endowment Assets (NACUBO)	\$312,548	\$312,548	Estimate at least 97% is main campus, per institution. All dollars credited to Columbia campus.

<b>Data Notes for Universities with Over \$20 Million in Federal Research</b>			
UNIVERSITY / STATISTIC	Original Data (dollars in thousands)	<i>TheCenter</i> Data (dollars in thousands)	Comments
2003 Annual Giving (CAE VSE Survey)	\$50,999	\$45,899	Estimate 90% is Columbia campus, per institution.
<b>University of Tennessee - Knoxville</b>			
2002 Total Research Expenditures (NSF)	\$188,261	\$185,437	Estimate 98.5% is Knoxville campus, per institution. Health Sciences Center is now a part of UT-Knoxville.
2002 Federal Research Expenditures (NSF)	\$88,344	\$88,167	Estimate 99.8% is Knoxville campus, per institution. Health Science Center is now a part of the Knoxville campus.
2003 Endowment Assets (NACUBO)	\$592,194	\$444,146	Estimate 75% is Knoxville campus, per institution.
<b>University of Texas - Austin</b>			
2003 Endowment Assets (NACUBO)	Not Reported	\$1,640,724	Substituted FY 03 VSE data, per institution.
<b>University of Texas Health Science Center - Houston</b>			
2003 Endowment Assets (NACUBO)	Not Reported	\$99,139	Substituted FY 03 VSE data, per institution.
<b>University of Texas Health Science Ctr - San Antonio</b>			
2003 Endowment Assets (NACUBO)	Not Reported	\$246,573	Substituted FY 03 VSE data, per institution.
<b>University of Texas MD Anderson Cancer Center</b>			
2003 Endowment Assets (NACUBO)	Not Reported	\$205,089	Substituted FY 03 VSE data, per institution.
<b>University of Texas Medical Branch - Galveston</b>			
2003 Endowment Assets (NACUBO)	Not Reported	\$306,674	Substituted FY 03 VSE data, per institution.
<b>University of Texas SW Medical Center - Dallas</b>			
2003 Endowment Assets (NACUBO)	Not Reported	\$656,221	Substituted FY 03 VSE data, per institution.
<b>University of Washington - Seattle</b>			
2002 Total Research Expenditures (NSF)	\$627,273	\$627,273	Estimate at least 97% is main campus, with institution's knowledge. All dollars credited to Seattle campus.
2002 Federal Research Expenditures (NSF)	\$487,059	\$487,059	Estimate at least 97% is main campus, with institution's knowledge. All dollars credited to Seattle campus.
2003 Endowment Assets (NACUBO)	\$1,103,197	\$1,103,197	Estimate at least 99% is main campus, per institution. All dollars credited to Seattle campus.
2003 Annual Giving (CAE VSE Survey)	\$311,251	\$311,251	Estimate at least 99% is main campus, per institution. All dollars credited to Seattle campus.
<b>Washington State University - Pullman</b>			
2002 Total Research Expenditures (NSF)	\$146,862	\$138,726	Estimate 94.46% is Pullman campus, per institution. Institution revised FY 2002 expenditures number due to reporting error.
2002 Federal Research Expenditures (NSF)	\$61,138	\$55,593	Estimate 90.93% is Pullman campus, per institution. Institution revised FY 2002 expenditures number due to reporting error.
2003 Endowment Assets (NACUBO)	\$495,623	\$495,623	Estimate at least 97% is main campus, per institution. All dollars credited to Pullman campus.
2003 Annual Giving (CAE VSE Survey)	\$48,839	\$45,420	Estimate 93% is Pullman campus, per institution.
<b>Woods Hole Oceanographic Institution</b>			
2003 Endowment Assets (NACUBO)	Not Reported	\$269,300	Data provided by institution.
2003 Annual Giving (CAE VSE Survey)	Not Reported	\$23,900	Data provided by institution.
<b>Yale University</b>			
2002 Postdoctoral Appointees (NSF)	1131	1131	Data verified by institution and NSF. The large increase over 2001 postdoc numbers attributed to creation of the Postdoctoral Office, which better tracks numbers of postdoctoral appointees each year.

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## *TheCenter Publications*

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

*A Review of Measures Used in U.S. News & World Report's "America's Best Colleges" (TheCenter, An Occasional Paper from The Lombardi Program on Measuring University Performance, Summer 2002)* by Denise S. Gater [<http://thecenter.ufl.edu/Gater0702.pdf>]

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

*The Top American Research Universities (TheCenter, 2000, 2001)* by John V. Lombardi, et al. [<http://thecenter.ufl.edu/research2001.html>]

*The Competition for Top Undergraduates by America's Colleges and Universities (TheCenter Reports, 2001)* by Denise S. Gater [<http://thecenter.ufl.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://thecenter.ufl.edu/gaterFaculty1.pdf>]

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

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

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