

The Top American Research Universities

2019 Annual Report

The Center for Measuring University Performance

*John V. Lombardi
Craig W. Abbey
Diane D. Craig*

ISBN 978-0-9856170-9-7

This publication made possible through the support of the University Libraries,
University of Massachusetts Amherst.

© Copyright 2020 The Center for Measuring University Performance at the University of Massachusetts Amherst
and the University of Florida

Table of Contents

Introduction	2
The Unrecognized Complexity of Higher Education	5
Part I: The Top American Research Universities	19
Universities Ranking in the Top 25 Nationally	20
Universities Ranking in the Top 26-50 Nationally	22
Private Universities Ranking in the Top 25 among Privates	24
Private Universities Ranking in the Top 26-50 among Privates	26
Public Universities Ranking in the Top 25 among Publics	28
Public Universities Ranking in the Top 26-50 among Publics	30
Medical and Specialized Research Universities Ranking in the Top 50	32
Private Medical and Specialized Research Universities Ranking in the Top 50	32
Public Medical and Specialized Research Universities Ranking in the Top 50	32
Part II: MUP Research Universities	35
Total Research Expenditures	36
Federal Research Expenditures	44
Research by Major Discipline	52
Endowment Assets	60
Annual Giving	68
National Academy Membership	76
Faculty Awards	84
Doctorates Awarded	92
Postdoctoral Appointees	100
SAT Scores	108
National Merit Scholars and Achievement Scholars	116
Change: Research	124
Change: Private Support and Doctorates	132
Change: Students	140
Institutional Characteristics	148
Student Characteristics	156
MUP Center Measures – National	164
MUP Center Measures – Control	172
Federal Research with and without Medical School Research	180
Part III: The Top 200 Institutions	187
Total Research Expenditures (2017)	188
Federal Research Expenditures (2017)	192
Endowment Assets (2018)	196
Annual Giving (2018)	200
National Academy Membership (2018)	204
Faculty Awards (2018)	208
Doctorates Awarded (2018)	212
Postdoctoral Appointees (2017)	216
SAT Scores (2017)	220
National Merit Scholars (2018)	224
Source Notes	228
Data Notes	233

INTRODUCTION

The Center for Measuring University Performance at 20 Years

What does it take to be among the most competitive America research universities? What elements define the universities whose performance keeps them at the forefront of academic research? What elements within the organization, structure, and finance of colleges and universities sustain long term success in this exceptionally competitive marketplace?

For the past 20 years, the Center for Measuring University Performance (MUP) has explored a wide range of topics focused on these key issues. During these years we have produced a perspective on these institutions by focusing on consistent and reliable indicators of research performance. While no two research universities are alike, they all compete for the same elements that underlie their success and the prestige derived from that success.

We have not sought to contribute to the endless public relations *Myth of Number One* that hopes to identify a "Best" university by combining a wide range of disparate measures into a single, creatively calculated, rank-ordered list of institutions. Such efforts contribute more to the literature on public relations than to an understanding of the fundamental drivers of research university competition. Nonetheless, the search for a mythical Number One testifies to the tremendous competitive marketplace within which colleges and universities operate.

The research universities we focus on are a small, but critically significant, subset of the American higher education marketplace with about 200 or so universities out of the over 2400 four year non-profit undergraduate and above institutions. This elite group provides useful benchmarks for many reasons as outlined in our annual reports, but most importantly, their characteristics define the elements of institutional quality. We have not attempted to determine whether these definitions are "correct" in some abstract sense or whether they are optimal for social or political purposes. Our goal is less ambitious, being limited to understanding the structure of competition. We have observed that while only a small percentage of institutions qualify as major research universities, the academic quality values of these universities are emulated as much as possible by institutions of widely varying characteristics, at all levels of performance, and serve to define the brand value they advertise to their various audiences.

While we might imagine that the highly competitive research university environment might lead to dramatic changes in the competitive positions of different institutions (an assumption that the commercial ranking industry eagerly promotes), the relative performance of the institutions in this top group of research universities has remained remarkably stable over the years. This stability rests on their consistent focus on the acquisition of scarce talent: faculty, staff, and students. It is the competition for highly productive talented individuals that drives research university success, and our work clearly demonstrates that the key element required for this competition is money.

Although this project focuses on data about the institutional elements that identify top performing research universities (fully described elsewhere in the *Top American Research Universities* annual report), the competition to acquire these institutional assets requires significant investment for the simple reason that all institutions in this marketplace want the same elements and these elements are scarce. The scarcity drives up the cost of acquiring the intellectual academic assets that produce the results delivered by top research universities.

Our perspective has always been on **universities as institutions**, and we have taken the position that the unit responsible for the quality and competitiveness is a campus-based organization. This reflects in part the composition of the American higher education marketplace that contains both public and private, non-profit research universities. Public higher education, being primarily a state-based enterprise, is often organized into systems, or clusters of universities joined by a political-administrative structure that seeks to ensure the achievement of various state educational priorities. For the purpose of understanding the research university marketplace, however, it is the individual campuses within these systems that are the location of most significant academic research activities. Private research universities are almost always individual entities rather than systems.

From the point of view of the competitive marketplace, the issue, for example, is whether UCLA (not the University of California System) is as competitive as Stanford. Moreover, the key personnel who drive university competition (faculty, staff, and students) almost always see themselves as being connected to, recruited by, and engaged with a campus-based institution. While this definition surprises few academics, it has sometimes been an issue with system administrators who seek an advantage in

claiming the success of multiple campus organizations as being equivalent to the success of a competitor's single campus.

We have also explored other differentiating elements of research university structure and organization related to the fields of **medicine and engineering**. Medically related research is a major economic driver of university competition, and universities with research oriented medical schools as part of their campus organization have an advantage. Our work has explored this issue by charting the significance of medical and engineering related research within the competitive context of these top institutions. By separating out the medical and engineering elements in our data, we have been able to provide a better comparative framework for understanding institutional success.

Throughout these years, the MUP Center has followed the various **ranking schemes** that have emerged, both within the US and internationally, recognizing that the state of university competition is of vital interest not only to those inside the US, but also to national governments around the world who see research universities as generators of national prosperity and international significance. Although the data sets used by various other national and international comparative studies of university research competitiveness provide a useful perspective, the variations in data definition and collection complicate multinational comparisons. MUP participated in the design of an international comparative university data analysis project for a few years that offered some insights into the global competition for academic research preeminence. In general, we found that even though the details of quality measurement varied significantly, the elements of institutional success remained quite constant--the acquisition of the most productive talented faculty, staff, and students. In the decentralized US system, elements related to the competition for peer reviewed grants and private gifts, for example, serve as useful indicators of institutional resources, but internationally, where many preeminent research universities are substantially state funded entities, a more universal common measure of competitiveness follows faculty/staff productivity reflected in published peer reviewed articles. This metric too has its measurement challenges. Nonetheless, even with the measurement differences, the group of top performing institutions, however measured on research elements, contain most of the same universities. This result reinforces our recognition that the key assets for research preeminence are, as mentioned above, faculty, staff, and students.

Although research universities are not enterprises focused on producing direct monetary profits for its owners, they are intensely focused on **the issue of revenue**. Revenue is the key element required for competitive research university success. Revenue is essential to purchase the top talent and to provide the resources, facilities, support systems, and conditions for their success. Money to purchase the top administrative and operational staff needed to sustain the complex infrastructure required to support the most productive research faculty. Money to buy the context and content that attracts the highest performing undergraduate and graduate student bodies. Our work, as is true of many others who study these elements, has demonstrated clearly that the most competitive research universities also have larger revenues than less competitive institutions.

Along the way over these 20 years we have looked at a variety of other topics. One that early on attracted our interest was what we called the "**Sports Imperative at America's Research Universities**." Not surprisingly, this proved to be among the topics with a wide audience and demonstrated clearly that competitive intercollegiate athletics at the highest levels were a common characteristic of a large percentage of high performing research universities. Yet, while big time college sports may well have been an asset for many top research universities, the existence of a big time college sports program did not appear to be a significant predictor of institutional research success.

We have learned much by developing the analyses that underlie the essays associated with the annual report publications, but the core value of the MUP Center lies in the production of **consistent, reliable, and clearly defined data** on key elements of research university performance. We publish the data in two formats. The annual reports, published in hard copy and distributed without charge to about 1700 individuals in leadership positions in higher education institutions and their organizations, highlight the relative performance of the top institutions (around 200) and identifies universities that score in the top 25 or top 50 on at least ONE of the nine measures we track. This section reflects our observation that high performing institutions pursue high levels of competitive performance in many of the areas we measure. In addition, the printed version provides the complete data set for these top institutions on all nine measures.

However, for many of those interested in these topics, one of the values of the MUP project is the opportunity it gives individual institutions to construct their own comparative

groups to measure their competitive success against a group of institutions matching their own institutional profiles. To that end, we publish a more extensive set of our data online in downloadable Excel workbooks. These tables include current and historical data on all universities receiving any federal research support over the past five years (as of this publication 962 institutions) along with supplemental tables that show financial data in both current and historical amounts. In every annual report, and on our website, we also include a discussion of the sources for the data elements, our methodology, and describe any adjustments we have made to maintain the consistency of the data over time. Over the years, we have seen considerable interest in the MUP online data with the website registering an average of about 300 unique hits per day.

Even as the higher education marketplace confronts multiple challenges over the years, the group of top research universities remains remarkably stable. This **stability** does not reflect a lack of change, but rather the ability to adapt to and take advantage of opportunities brought by changes in the marketplaces for higher education. With their substantial economic resources, their exceptional faculty and staff, and the quality of their students and the resulting alumni, these institutions have managed through major economic downturns, changing student and faculty expectations and preferences, significant modifications of the regulatory environment, and demographic changes to sustain their preeminence.

With each crisis, whether motivated by war or economic challenges, including the present one driven by social critique and the incidence of a pandemic with its inevitable economic consequences, many characteristics of higher education institutions have required significant modification. For the top research universities, however, the consequences of these crises are generally absorbed as the institutions' organizational strength allows them to adapt, modify, and adjust their operations to continue to dominate the marketplace. For institutions with less resources, both financial and personnel, the initiatives needed to adapt require major structural and content modifications of programs and activities.

The stability of the group of top research universities reflects not a resistance to change but the institutional capacity to anticipate, invest, and capture the advantages changes in the marketplace provide. The group of top universities today, may include most of the same institutions as 20 years ago, but the institutions themselves are significantly different as they have been modified over the years to sustain their preeminent position.

We have sustained this work for two decades thanks to the **remarkable support** we have received from the universities that at various times sponsored staff and our work: University of Florida, University at Buffalo, Arizona State University, Louisiana State University System, and University of Massachusetts Amherst. A varied cast of academic experts have helped produce the annual reports and the occasional essays that have accompanied them, greatly enhancing our ongoing conversation about research university competitiveness, and their work is reflected in the publications section of our website.

Above all, of course, we have relied on our Advisory Board, whose annual meetings have guided our work and whose constant readiness to participate in our discussions has been an inspiration. They are listed in the publication and on our website.

We have especially appreciated the many contributions of our Board colleague, Roger Kaufman, and the news of his passing on September 23, 2020, left us all with a profound sadness. Roger was a constant and engaged participant in our work, as he was in so many other activities worldwide. His academic and professional resume reflects a lifetime of service, innovation, creativity, and commitment in many fields and with many organizations. Roger was a true believer in the idea of constant, continuous performance improvement, but he forced us all to consider the larger context within which each of us, in our own organizations, pursue improved performance. Captured in his careful proposals of 'mega planning and needs assessment,' Roger insisted that we should always seek institutional and operational improvement with the larger social good as a primary objective, not just as a desirable side effect. The care and intensity of his work, reflected in both academic publications and practical projects around the world, gave Roger's commitment an undeniably persuasive power and won him widespread admiration and recognition. While it is not possible to adequately summarize Roger's multi-dimensional career and endless record of accomplishments, we who admired his work, enjoyed his company, and appreciated his friendship mourn our loss.

The Staff of The Center for Measuring
University Performance

University of Massachusetts Amherst
and University of Florida

2020

THE UNRECOGNIZED COMPLEXITY OF HIGHER EDUCATION

John V. Lombardi¹, Diane D. Craig², Michael M.E. Johns³, and William B. Rouse⁴

Abstract

Most people think of higher education in terms of applying and getting accepted; taking courses, going to class, earning credits and a grade point average; interacting with faculty members who may also pursue scholarly research; and graduating, going to work, and coming back for homecoming. All these things happen, but the ways in which these activities are resourced and executed varies enormously across the 4,500 institutions of higher education in the United States, even as the structure of the higher education industry is remarkably stable over time. These differences are outlined using various sources of data. We then discuss the implications of these differences in terms of how institutions can best address fundamental change. We show how the strategic options available to different cohorts of institutions vary by resource availability, brand image, and competition.

INTRODUCTION

The plight of the ecosystem of higher education has received much recent commentary. The enormous financial impacts of the coronavirus pandemic have been outlined (Economist, 2020; Edmit, 2020; Potter, 2020). Technology has rescued teaching (Lohr, 2020; Taparia, 2020) in the short term, but rendered the bricks and mortar of academia to be, at least temporarily, of little value. These challenges are happening while the nature and priorities of students may be morphing (Chronicle, 2019; Eakins, 2020).

Although these challenges have been anticipated, the pandemic appears to have greatly accelerated their impact. Christenson (2011), DeMillo (2011), Lombardi (2013), and Rouse (2016) have outlined the challenges and opportunities. Rouse, Lombardi and Craig (2018) employed a computational model of the economics of universities to analyze several strategic options open to various types of players in the ecosystem, concluding that not all players have the same options.

This article addresses the complexity of higher education in terms of resources available, brand images, competition, organizational models, and other attributes. It portrays the enormous variety among 4,500 universities in the US; drawing upon various sources of data. We then discuss the implications of these differences for the ability of institutions to address fundamental change. We show how the strategic options available to different cohorts of institutions vary by resource availability, brand image, and other key characteristics. Finally, we consider how these findings may differentially impact the humanities, medicine, and engineering.

¹ Center for Measuring University Performance, UMass Amherst-University of Florida

² Center for Measuring University Performance, UMass Amherst-University of Florida

³ Schools of Medicine and Public Health, Emory University

⁴ McCourt School of Public Policy, Georgetown University

THE ECOSYSTEM OF HIGHER EDUCATION

Significant challenges over the last decade, exacerbated by the pandemic of 2020, have led to a deep reappraisal of the structure and operation of the American higher education industry with the anticipation of required dramatic changes and the possibility of the closure of many small private colleges. To provide a framework for understanding these circumstances, a clear sense of the historical development and current condition of the higher education marketplace is useful.

The Higher Education Industry

America's higher education industry is remarkable for its size, variety, and stability. Over the decades since the close of World War II, institutions large and small, public and private, elite and comprehensive have proliferated. They have expanded and diversified their student populations and created multi-resourced financial models to sustain their operations. The widely varying characteristics of student populations, the emergence of a research intensive subset of universities, and the changing demands of the employment marketplace reflect in the detail of these institutions' programs and finances. However, the fundamental organization and competitive context of the institutions within this marketplace have remained remarkably stable.

As shown in Table 1, since the 1940s the higher education industry has seen student enrollments grow from 1.5 million to 19.7 million (2018, NCES, 105.30). The number of degree granting institutions serving these students has increased from 1,708 in 1940 to 4,042 today (1993, NCES, 26; 2019, NCES, 317.10). While the growth in the number of two-year institutions is higher than four-year institutions over the past 70 years, the overall distribution remains close to what it was in the 1940s at roughly 70% 4-year and 30% 2-year institutions. These data include a category of higher education institution composed of for-profit institutions, mainly offering two-year degree programs in the early years. For-profits grew from 55 in 1977 to a peak of 1,451 in 2013 but by 2019 they had declined by half and now represent 18% of the institutional marketplace, compared to 31% in 2013 and less than 2% in 1977 (2019, NCES, 317.10). Along with enrollment, degrees awarded by higher education institutions have seen tremendous growth, particularly at the graduate level (2019, NCES, 301.20 and 318.40). There is considerable variety of institutional style and operational detail among all these institutions. Many observers imagine that higher education is an industry that responds in similar ways to the challenges and opportunities of the post-secondary marketplace. This notion obscures fundamental differences in the competitive context of colleges and universities. The different types of institutions compete in many different marketplaces, and not all compete in the same marketplaces.

Table 1. Growth in Higher Education, 1940 to Present: Institutions, Students, and Degrees

Approx. Year	# of Degree-Granting Postsecondary Institutions			Enrollment	Degrees Awarded			
	Total	4-year	2-year		Associates	Bachelors ¹	Masters ²	PhD/Prof ³
1940	1,708	1,252	456	1,494,000		186,500	26,731	3,290
1950	1,851	1,327	524	2,659,000		432,058	58,183	6,420
1960	2,004	1,422	582	3,640,000		392,440	74,435	9,829
1970	2,525	1,639	886	8,580,887	206,023	792,316	213,589	59,486
1980	3,152	1,957	1,195	12,096,895	400,910	929,417	305,196	95,631
1990	3,535	2,127	1,408	13,818,637	455,102	1,051,344	330,152	103,508
2000	4,084	2,363	1,721	15,312,289	564,933	1,237,875	463,185	118,736
2010	4,495	2,774	1,721	21,019,438	848,856	1,649,919	693,313	158,590
2019 ⁴	4,042	2,703	1,339	19,645,918	1,011,487	1,980,644	820,102	184,074

Source: Digest of Education Statistics, 2018, tables 105.30 and 301.20; 2019, tables 303.25, 317.10, and 318.40. NCES 120 Years of American Education: A Statistical Portrait, table 26.

1 From 1940 to 1960, bachelor's degrees include degrees formerly classified as first-professional, such as M.D., D.D.S., and law degrees

2 Among Master's, figures for years prior to 1970 are not precisely comparable with later data.

3 Includes Ph.D., Ed.D., and comparable degrees at the doctoral level. Includes most degrees formerly classified as first-professional, such as M.D., D.D.S., and law degrees.

4 Institution counts is 2018-19; Enrollment is 2018; Degrees is 2017-18.

The Competitive Marketplaces for US Higher Education

There is considerable variety of institutional style and operational detail among these institutions, but many observers imagine that higher education institutions present a common front when faced with the challenges and opportunities of the post-secondary marketplace. This notion obscures fundamental differences in the competitive advantages of colleges and universities. The institutions compete in many different marketplaces, and while different types of institutions may compete with each other in some marketplaces (such as for student enrollment and international students), they also compete in different markets (such as for research grants and contracts and advanced graduate students and research faculty). While some institutions primarily enroll middle class and modestly prepared high school graduates, others have students drawn primarily from the upper middle class and with superior K-12 preparation.

Even so, the public approach to higher education anticipates that the marketplace, at least for undergraduate and some professional degrees, is composed of more or less interchangeable institutions, each producing two or four-year undergraduate degrees along with other credentials. The institutions of accreditation and various state and federal regulatory organizations reinforce this notion. These organizations impose standardized general criteria that the institutions must appear to meet in order to be eligible for important public funding programs. The perception of uniformity is reinforced primarily through a curricular structure that leads to a four-year degree within a relatively standardized pattern of academic programming from first through fourth years, with increasing specialization towards a major in some discipline anticipated to have a relationship to future employment or advanced educational opportunities.

In a previous study (2019, Lombardi and Craig) we reviewed the challenges of interpreting generalizations about college enrollment and focused on some characteristics that differentiate these institutions. Of the 2,345 four-year, not-for-profit institutions in 2019, 33% are public and 66% are private. These two categories of institutions have much different governance mechanisms, financial structures, and size and scope (Table 2). Eight in nine private institutions (88%) have enrollments less than 2,500 while a similar proportion of public universities and colleges (87%) have more than 30,000 students enrolled. Those with enrollments between these two extremes – 2,500 to 29,999 – are more evenly split between public and private.

Within the more than 10 million undergraduate students enrolled in 4-year non-profit institutions, nearly three in four (73%) are enrolled in public institutions and 27% are in private institutions. However, the nearly three million post-baccalaureate students in these institutions are divided much more evenly with about 53% enrolled in public institutions and 47% at private institutions.

Table 2. Fall 2018 Enrollment at Four-Year Institutions

Institutional Control	No. with Enrollment Less than 2,500	% of Total	No. with Enrollment 2,500 to 29,999	% of Total	No. with Enrollment 30,000 or More	% of Total	Undergraduate	% of Total	Post-baccalaureate	% of Total
Public	160	12%	531	58%	76	87%	7,502,622	73%	1,479,938	53%
Private	1,174	88%	392	42%	11	13%	2,776,499	27%	1,312,591	47%
Total	1,334		923		87		10,279,121		2,792,529	

Source: Digest of Education Statistics, 2019, tables 303.70, 303.80, and 317.40.

The National Center for Educational Statistics (NCES) classifies research universities into two groups based on the Carnegie Classification®, those with very high research and those with high research (Table below). Of the 219 institutions in these two NCES categories in Fall 2018, 120 (55%) had 20,000 students or more, and 65 (30%) had 30,000 or more. Public institutions make up 71% of the universities classified by NCES as having high or very high research performance. In terms of enrollment, the high to very high research universities have 5.2 million students, with the public institutions in these categories enrolling just over 4 million, or about 81%.

Table 3. Institutions with Very High or High Research Activity and Fall 2018 Enrollment

Institutional Control and Research Activity	No. of Institutions	Less than 20,000 Students	20,000 to 29,999 Students	30,000 or more Students	Total Students
Public	155	50	46	59	4,235,722
Very High	81	4	25	52	2,880,371
High	74	46	21	7	1,355,351
Private	64	48	9	6	974,610
Very High	34	22	7	5	645,546
High	30	26	2	1	329,064
All Institutions	219	98	55	65	5,210,332
Very High	115	26	32	57	3,525,917
High	104	72	23	8	1,684,415

Source: Digest of Education Statistics, 2019, table 317.40.

In short, these institutions differ significantly by size and type, with a smaller number of public institutions serving the largest number of students even though there are more private institutions than public institutions. As a result, it is not always helpful to over-generalize about students and institutions when the range of institutional size and their public or private character are significantly different.

Money is often an easy indicator of institutional difference. Writ large, we can look at total expenditures. A major research university like Stanford in California, with a powerful academic medical center, reports operating revenue of \$6.1 billion while a small private college in Springfield, Massachusetts, American International College, reports an operating budget of \$82.8 million.

A perhaps less profound reflection of the range of investments institutions can make is to review the commitments colleges and universities do make to their intercollegiate athletic programs. If we look at what appear to be equivalent institutional investments in high-level sports by the members of the Football Bowl Subdivision of the NCAA Division I (some 130 institutions), we find that highest level of expenditures on intercollegiate athletics by an institution in this division is \$171.4 million while the lowest level is \$14.6 million. This difference of \$156.8 million highlights the wide range of resources available even among what to the public eye might appear to be equivalent university activities.

Content, Context, and Brand Competition

Over the years, the colleges and universities within the higher education industry have changed much about their internal operations in response to changes in the expectations of their principal direct consumer market among parents and prospective students and secondarily in response to the demands of the external marketplace for various skills to be acquired during the undergraduate experience. Because all these institutions respond to the same market forces, their general academic offerings tend to be similar. This content, with many variations on the margin, generally provides a core of a liberal arts education and a specialization in a major, is relatively comparable across institutions, and is reinforced by disciplines such as engineering and health care where external accreditation agencies set specific requirements for all institutions.

Since the academic content is relatively standardized, institutions often focus on differentiating themselves in the marketplace by emphasizing the context within which academic activity takes place. This context translates into a brand value for the institution designed to project a quality perception onto the more or less standardized academic content. This quality perception reflects a range of institutional attributes provided at significant cost. The institution hopes to recover this cost from various sources but especially from tuition, fees, donations, and other institutional revenue.

Among these quality attributes of the context are high visibility and high-quality student activities and a wide range of personal and academic support services that cater to the expectations of parents and students for an enriching student experience. Also significant is a high-quality physical environment of academic, residential, and recreational facilities reflecting a commitment to the comfort and effectiveness of the activities (both academic content and experiential context). Other context characteristics include multicultural support services, employment counseling, and extensive entertainment opportunities. Over the years the importance of a college credential and especially a bachelor's degree has increased. In 1940 less than 5% of individuals 25 years or older held a bachelor's degree or higher while today that number is 36% (2019, NCES, 104.10). More recently, we see that in 1970, about 26% of people 18-24 years of age were enrolled in higher education while in 2018 that percentage had increased to 41% (2019, NCES, table 302.60).

Quality faculty with stellar credentials and especially with research accomplishments serve to enhance the brand of elite institutions by offering students the potential opportunity to engage with the best and brightest minds available. Brand value, then, is one of the key elements differentiating institutions, and it is the ability to sustain the cost of delivering this brand value that sorts institutions into various competitive niches and determines their ability to recruit students and accumulate the resources needed to remain or become more competitive.

Over the years since the post WWII boom in higher education, as the proliferation of institutions increased the significance of the post-secondary educational marketplace, the intense competition for the high-quality assets that produce brand value has driven the costs of higher educational services ever higher. Over the same time period, by 2018, per capita disposable income grew from less than \$8,000 to nearly \$44,000 in 2012 dollars (2018, NCES, 106.60). These pressures and opportunities increased the competition among institutions to attract the most desirable students and encouraged them to invest in as much of the quality elements as their tuition and other revenue could support. Nominal or sticker prices for average tuition and required fees since the mid-1970s for all public 4-year colleges and universities rose from about \$500 to about \$9,000 by 2018-19. For private 4-year institutions, nominal tuition rose from about \$2,000 in the mid 1970's to \$35,000 by 2018-19. In constant 2018 dollars, this represents about a \$5,000 increase among public institutions and a \$24,000 increase among privates, in roughly 40 years (2019, NCES, 330.10).

The constant discussion of tuition costs reflects this competition. The general public press publishes many articles and analyses about the constantly rising tuition prices of public and private universities, accompanied by a strong concern about the debt accumulated by many students and families as they struggle to pay these costs. However, the competition is so strong for high-quality students (who themselves constitute one of the primary quality brand enhancers) that every college and university (elite or not) discounts the published tuition by large amounts and discounts that tuition price for financial need, academic distinction, and other desirable characteristics. That discount rate for first-time, full-time freshmen has consistently risen over the years and by the first decade of the twenty-first century even public institutions had average discount rates of about 18%. Private college and university discount rates, from a much higher sticker price base, reached a new high of 52.6% in 2018. These discount rates are a reflection of the expectation that the market will regard a high published tuition price as a prestige marker, even though average tuition actually collected is substantially lower. Also, some constituencies such as international students do pay the full sticker price (2019, College Board).

Institutions use the discount process as negotiating leverage with desirable students to construct the highest quality class with the most attractive composition of student characteristics possible. Financial need is a primary criterion for tuition discounts, but the goal here is to attract students with high potential but lower family financial resources. The purpose is always to acquire the highest quality students available, using the tuition discount to make attendance possible for high need, high-quality students and make attendance attractive for low need, high-quality students. Selective institutions with more qualified applicants than they can accept use tuition discounts to ensure that each entering class has the composition of race, class, gender, and academic credentials that will maintain brand value.

This process also includes the provision of a wide range of debt financing, much of it from federal government programs. Average debt levels on graduation are in the range of \$20,000 to \$30,000, which includes the debt incurred for non-tuition expenses related to housing, food, transportation, and other student activities. Four years after graduation most students have either paid off their debt or are paying on their debt, but some percentage, perhaps around 14% of those with debt, have either defaulted or stopped paying. Those pursuing higher degrees or certificates acquire significantly more debt, depending on how long their post baccalaureate programs require, but in general, those with the highest debt have lower default rates than those with lower levels of debt. The marketplace continues to signal that people believe that debt incurred in the pursuit of higher education and on into graduate and professional education is a good investment. (2017, NCES, Stats in Brief)

The successful recruitment of international students has also become a key competitive advantage, and all colleges and universities compete to acquire these students. International students tend to pay full tuition and fees and, for the most part, they have been filtered for academic preparation in their home countries. The reliance of many US institutions on international students has risen from 1-2% of student enrollment through the 1970's to 5.5% in 2018. As colleges and universities came to rely on these students for both revenue and participation in many STEM graduate programs, any changes in the international marketplace posed a significant threat to budgets and programs. However, as shown in Table 4, the largest number of international students come to doctoral granting institutions, in large part to pursue more advanced studies than available in their home countries (2019, Open Doors: Report on International Educational Exchange, Institute for International Education, New York).

Table 4. International Students by Institutional Type: AY 2018-19

Level of Institution	International Students Enrolled	% of Total
Doctorate-granting	791,777	72%
Master's	147,090	13%
Baccalaureate	35,614	3%
Associate's	86,351	8%
Special Focus	34,467	3%
Total	1,095,299	100%

Source: Open Doors: Report on International Educational Exchange, 2019, table 9.

Persistence of Preeminence

Over time, the competition for brand enhancing characteristics (whether students, faculty, programs, research activity, facilities, or support systems) has driven college and university costs higher, and only the most well-resourced institutions can sustain the cost of the highest levels of brand quality. The principal sources of funding for all institutions are tuition and fees, state and federal instructional support, private gifts and grants, and federal, state, or private research support. As the higher education industry evolved from the post WWII period until today, the differential ability of institutions to subsidize brand value, has led to clearer definition of institutional positions within the general higher education marketplace.

High brand value institutions established their preeminence early in the post war years, and the top performers continued to sustain their relative position at the top of the brand hierarchy by capturing larger shares of educational and research revenue from all sources. As a result, the hierarchy of institutions (based on research preeminence, a surrogate for brand value) has remained remarkably stable over the years, with some rearrangement among those at the top but with relatively few falling out of the competition and relatively few rising up into the high brand value group.

A review of *The Top American Research Universities* for the past 20 years, illustrates this stability well. The benchmarking project examined the performance of research universities with federal expenditures of more than \$40 million annually (increased from \$20 million in 2008) on nine quality measures, all of which speak to the institution’s brand value. Overall, 187 different institutions have met the cutoff since the project began in 2000 and the membership in this group has remained remarkably consistent, with 80% of private institutions and 70% of public institutions remaining in *The Top American Research Universities* group every year. As noted in Table 5, there are a small number of universities competing at the highest levels nationally on a variety of quality indicators over the past two decades. For example, only 30 institutions have ranked in the top 25 nationally since 2000 on National Academy members. On another measure of faculty quality, awards given to faculty from about two dozen programs, we see more competition but even so only 48 out of the top 187 research universities were able to reach the top nationally at least once over the past twenty years. Many of the top research institutions compete successfully at a national level on several measures. Fifteen institutions have ranked in the top 10 on at least one of the nine measures every year, with more than half ranking in top 10 on more than one measure every year.

Table 5. Number of Institutions Ranking in Top 25 or 50 on Quality Measures for Past 20 Years

Top American Research Universities Quality Measures	Top 25 Nationally	Top 50 Nationally
Total Research	34	66
Federal Research	37	62
Endowment Assets	32	64
Annual Giving	42	90
National Academy Members	30	61
Faculty Awards	48	93
Doctorates Granted	41	69
Postdoctoral Associates	43	73
SAT Scores*	41	78

Source: The Center for Measuring Performance, *The Top American Research Universities*, 2000-2019

*If we limit the institutions to our group of 187 that meet the federal research cutoff, the dominance is even more apparent. Twenty-five of the top research universities rank in the Top 25 on SAT all 20 years; 39 rank in the Top 50 all 20 years.

Because the high brand value institutions set the standard for institutional excellence (by recruiting the highest ranked students and the highest performing faculty, creating the most effective administrative support structures, and providing the highest quality physical environments) other institutions seek to emulate as much of this context as possible. The competition, of course, is enhanced by endless and highly publicized ranking schemes that purport to identify the critical components of brand value, but because they all use different criteria, they tend to reinforce the general emulation of the currently regarded top performers.

Crisis and the Higher Education Marketplace

When a crisis strikes, many observers and analysts imagine that this structure of post-secondary institutions and their competitive framework will finally collapse and major structural reform will ensue. Generally, that has not been the pattern. Instead, the top performers find ways to maintain their preeminence and often enhance their brands by adopting a variety of innovative practices on top of the standard programs and activities that have always defined their high brand position. Others, however, with fewer resources and therefore more vulnerable to the transitory shocks of economic and social change, must adapt and attempt significant reconfiguration of their content models and reduce the depth of their context environment to remain competitive and financially viable.

Changes to adjust to financial crises produce innovations in instructional delivery to reduce costs, by reducing the number of high brand long-term faculty and substituting lower brand short-term contingent faculty and by adopting technological innovations such as on-line asynchronous or synchronous instruction for large numbers of students using less expensive instructional personnel. Colleges in search of financial resources seek additional marketplaces among international students, post-25 year old students, graduate or certificate students, many in populations that can be taught in content-intensive modes without the added cost of the high context services expected by traditional undergraduate residential students. They retreat from the loss leader activity of academic research, so important to the high brand value institutions, and reevaluate the context of intercollegiate athletics as a possibly too expensive loss leader for its contribution to the institutional brand.

As these issues have grown ever more intense with recurring crises that have reduced public and private support for traditional higher education institutions, the common definition of what constitutes an undergraduate educational experience becomes less and less sustainable and the differentiation of post-secondary providers grows both more visible and more acute. For the high prestige brand name colleges and universities, change will come, too, but mostly as additions to the core drivers of elite quality and prestige. As the current marketplace continues to place an increasingly high value on specific and often technical expertise, the high brand institutions focus more attention on preparing their students for post-baccalaureate specialization in many fields, giving these graduates leverage for the acquisition of high value employment and, of course, increasing the brand value of the elite institutions that prepares them. The rest of the institutions serving these marketplaces will diverge as colleges and universities with fewer resources engage in significant restructuring, that in many cases may emulate the intense top down analysis and execution models used by highly successful for-profit corporations.

In this process, the internal management models of most colleges and universities will experience significant transformations. Governing boards and public legislators, as we have seen in recent times, become less tolerant of the academic collegial model which places a high value on faculty engagement and consultation (and results in relatively slow decisions driven by academic guild values rather than the metrics of economic efficiency and effectiveness). Employees, whether faculty or staff, have and will continue to increasingly emphasize allegiance not to the institution and its values but to the corporate benefits the institution can provide, negotiated and managed not by collegial practices but by corporate/union conflict resolution systems.

Some of this will also affect the high brand value institutions, as they too suffer the consequences of economic dislocation and other environmental challenges, but their responses will be attenuated by their large investment in and support for the elements of high value brand recognition: research, faculty quality, student quality, and in many cases, high visibility sports.

The result of these changes for the structure of the American higher education industry will vary. Money always lies at the core of these issues, and the money comes from the ability of institutions to sell their products (both tangible and intangible) into a wide range of different marketplaces. Key marketplaces in addition to student tuition and fees include: philanthropy, research support from all sources, and state tax-based public funding for community colleges through to major public research universities. In addition, the hiring preferences of employers in almost every area of American life have made some college education a required token for reasonable employment, and four-year college completion a preferred entry into middle-class careers.

In the search for new markets, many institutions will continue to expand their off-campus online offerings both for traditional students for whom the cost of on-campus education may be too high but more importantly for capturing adult students who did not finish college or those who need additional certifications to improve their marketability. These additional off-campus instructional programs deliver that institution's brand to wider audiences without incurring the cost of a dramatic on-campus expansion. Moreover, many private online providers can leverage their technical expertise in exchange for the legitimizing value of major campus brands.

All colleges and universities, especially those below the top-level brand institutions, will need to approach these marketplaces with structured, organized, and data driven systems, prepared to implement the necessary actions to compete successfully. There are many constraints on rapid change in this industry, and as mentioned at the outset, some smaller private institutions will not survive because they have not prepared for institutional change sufficiently and will not be able to fund the costly investment needed to become competitive. Some significant number will arrive at the moment of need to change having already fallen too far behind to reinvent themselves for the future.

ECONOMICS OF HIGHER EDUCATION

Academic institutions typically have a variety of sources of revenue, with the highly ranked institutions often having greater amounts from each source. Nevertheless, as Derek Bok, President of Harvard, noted “Universities share one characteristic with compulsive gamblers and exiled royalty: there is never enough money to satisfy their desires” (Bok, 2003).

Tuition: In general, tuition in public universities is subsidized from all sources of revenue including state dollars. Historically state dollars have subsidized all university costs sufficiently that tuition for in-state students was relatively low while out-of-state was significantly higher. Also, historically, public universities did not seek endowments and so the endowments of private universities served to subsidize costs while tax dollars subsidized some costs for public universities. For this reason, among some others, public universities tended to be larger undergrad enterprises than private universities because the state wanted to offer instruction to as many citizens as possible.

Endowments: Use of endowment earnings can be restricted to specific uses, for example, endowed faculty chairs often have restrictions on only using earnings to support the research of the faculty member holding the chair. Unrestricted endowment earnings can be used for any purpose. Universities have different payout policies from endowments but most cluster around 5%.

Gifts: Private funding of universities includes annual giving and unrestricted giving that is not in endowments but in direct payments. Most universities’ Annual Funds fit in this category.

Sponsored Research: All sponsored research with very few exceptions requires a subsidy from the institution to cover costs. Some contract research for the private sector does come with full overhead but it does not make up for the loss from Federal research, let alone the loss from state and local funding which often does not include any overhead at all. Also many foundations sponsor research but exclude indirect costs. Nevertheless, these funds are critical to the research reputation of an institution and, consequently, its brand value.

Athletics and Licensing: Division I football makes money at many, although not all, institutions. However, only about 24 or so universities break even or better on their sports programs. Most lose money. All women’s sports lose money. All Olympic sports lose money. All Division III sports lose money. However, this activity is a brand enhancer of some significance.

Brand Value: Higher brand value tends to increase willingness to pay higher tuition and also enhances faculty recruitment. Brand value does translate into higher demand from everyone. Brand value has been found to correlate with faculty publications and citations of those publications, hence the importance of research funding (Rouse, Lombardi and Craig, 2018).

Institutional Cohorts

Table 6 summarizes three cohorts of institutions – termed strong, decent, and marginal. The measures used to sort universities into these cohorts were total research expenditures, federal research expenditures, endowment assets, median student SAT scores, major faculty awards, and number of members in the National Academies on Science, Engineering, and Medicine. The sorting criteria are indicated in the note below the table.

The three cohorts are starkly different in terms of the human and financial resources they can devote to addressing the future. The intellectual abilities of students differ substantially across cohorts. Differences in faculty accomplishments are enormous. The strong cohort includes a bit over 2% of all institutions, yet includes among its faculties roughly two-thirds of the members of the National Academies on Science, Engineering, and Medicine. Ten of this cohort have almost one-third of the members. These human resources consume but also generate the enormous financial resources indicated in Table 6.

These types of differences have substantial effects upon the options an institution has to address challenges. We revisit these three cohorts when we later address the possible futures for each cohort.

Table 6. Institutions by Brand Category: Performance on Key Brand Indicators

Number of Institutions in each Brand Category/Brand Indicators	Average of Each Indicator within Brand Category					
	2018 Total Research (000s)	2018 Federal Research (000s)	2018 Endowment Assets (000s)	2018 Median SAT	2018 Faculty Awards	2018 National Academy Members
Strong (6% N=98): Strong balance sheet (reflected by endowment, sponsored research success, selective student demand and preferred faculty employer) likely due to strong brand image, particularly in terms of faculty accomplishments	\$526,431	\$297,552	\$4,162,591	1354	16	43
Decent (77% N=1194): Decent balance sheet (reflected by endowment, good sponsored research, good selective student demand, and reasonable faculty employer) likely due to middle of the road brand image, partially in terms of faculty accomplishments	\$11,202	\$5,626	\$210,894	1148	1	0
Marginal (17% N=273): Marginal balance sheet (reflected by endowment, very low sponsored research, modest selective student demand, and tolerable faculty employer) likely due to modest brand image, with modest faculty accomplishments	361	181	27,793	1043	0	0

Note on methodology: Institutions in analysis include the 1565 Carnegie institutions excluding Bacclaureate/Associate's, Associate's and Special Focus Institutions. Institutions were then ranked on all six measures, and for each measure, divided into quartile groups based on institution counts. For each institution, determined if it fell into the top 25% or bottom 50% on four measures: 1) total research or federal research, 2) endowment assets, 3) median SAT scores, and 4) prestigious faculty awards or National Academy members.

Strong institutions (6% of total institutions) represents institutions that placed in the top 25% on all four measures.

Marginal institutions (17% of total institutions) represents institutions that placed in the bottom 50% on all four measures.

Decent institutions (77% of total institutions) represents institutions that did not place in the top 25% or bottom 50% on all four measures.

CULTURE OF HIGHER EDUCATION

The culture of higher education has slowly evolved over the past 1,000 years (Rouse, 2016). For example, the structure of the University of Bologna formulated in 1088 persists today in most institutions.

Governance: The details and distribution of power and influence varies by institution and institutional traditions. In all institutions, however, the Board of Trustees or Regents has the final authority. Shared governance (as it is called) simply codifies the bureaucratic structure that permits various constituencies (faculty, staff, students, alumni etc.) to have a voice of some kind in the process. In most places faculty de facto control the curriculum, promotion and tenure, and hiring of faculty, but some of this authority is being eroded for the sake of management efficiency and authority.

Promotion and Tenure: In the 1970s, roughly 80% of faculty members were in tenure tracks; this has fallen to 20% or so. At the same time, the “rules of the game” have tightened, e.g., a threshold number of publications in a discipline-defined small set of highly ranked journals, funding from NIH or NSF, average teaching ratings of 4 or above on a 5 point scale. There have been many discussions of replacing tenure with 5 year rolling contracts, extended by a year each year that a faculty member performs acceptably.

Student Expectations: Many expect a traditional liberal education, laced with fraternities, sororities, and sports. Others are oriented towards gaining knowledge and skills to secure well-paid employment. Of late, the balance seems steadily shifting towards vocational aspirations. Student expectations of teaching quality have increased as the Internet has enabled them to sample the best of the best.

Corporatization: The Responsibility Centered Management (RCM) model of budgeting is premised on all revenue-generating units being wholly responsible for managing their own revenues and expenditures. They pay “taxes,” typically as a percent of revenues, to support non-revenue-generating units. Unit leaders often find this acceptable, perhaps even attractive, when revenues are growing. This model can be challenging when revenues are declining.

CHALLENGES

There are always challenges, particularly in organizations with many perceptive and creative people who can always think of new things to offer, often with little revenue to support them. There are several other concerns that consume the attention and time of academic institutions.

K-12 Deficiencies: Evidence of poor preparation is pervasive but especially in terms of completion rates. However, the demand that everyone who enters should graduate and get a degree disguises some of this. Institutions spend very large amounts on support services to compensate for the poor preparation of many of their students.

Increasing Demands for Services: Beyond the normal educational services, there are health services, including mental health, career counseling, placement services, dispute resolution services, managing intramurals and clubs, etc. These services require staffing, facilities, and budgets. This obviously increases costs, but seldom revenue. Consequently, tuitions and fees have to cover these costs.

Increasing Oversight and Compliance: Activities associated with university accreditation, discipline-specific accreditation, certifications of workload distributions, auditing of travel expense reports, compliance with policies and procedures, e.g., format requirements for promotion and tenure cases, and sundry other forms, signatures, etc. consume significant faculty and staff time. The worst situation is a culture of compliance laced with administrative incompetence.

Increasing Contingent Faculty: Universities’ budgetary challenges have resulted in increased reliance on adjuncts and part-time faculty whose salaries are contingent on adequate enrollments in the courses they are slated to teach. Further, their salaries are substantially lower than tenure-track faculty. Consequently, 25% of adjuncts across the US are receiving some form of public assistance, typically food stamps and Medicaid. This situation has prompted unionization efforts for faculty, staff, and graduate students, which tends to undermine the collegial climate that was highly valued.

Costs-Benefits Questioned: The costs of higher education have risen much faster than incomes and the other costs of living. As a result student loan debts now exceed US credit card debts. This has caused students and parents to question the benefits of higher education. The return on investment (ROI) on an earned degree is still quite positive. However, seeing this return depends on completing the degree. It does seem that the “tuition bubble” will burst at some point (Rouse, Lombardi and Craig, 2018)

Improving Educational Technology: The pandemic has caused many to recognize that online learning is better than expected. With adequate investments, online programs can provide functions and features that are seldom available in traditional classrooms. These programs can often be hosted on platforms developed by major institutions, e.g., Coursera, edX, and Udacity. The technology enables much larger classes, e.g., 10,000 in Georgia Tech’s online MS in computer science. This enables much lower tuition, e.g., \$7,000 for the whole MS degree at GT.

Decreasing Foreign Students: Increasing equity of foreign institutions, immigration headaches in the US, and now pandemic worries will steadily decrease enrollments of full tuition paying foreign students, threatening almost \$50 billion of revenue to US universities. Educational technology can enable recruiting students without their being in the US, but the acceptable tuitions for such offerings will likely challenge many institutions.

POSSIBLE FUTURES

The strong, decent, and marginal university cohorts defined earlier – in terms of resources available to adapt to change – do not all have the same options available. As shown in Table 7, institutions in the strong cohort have the resources – and confidence – needed to lead experimentation and evolution of innovative new business models. Institutions in the decent cohort understand change is in the offing and will be a faster follower of successes to the extent that resources allow. Institutions in the marginal cohort will struggle to sustain their current business model, which is seriously threatened.

Table 7. Strategies Versus Cohorts

Strategies	Cohorts		
	Strong	Decent	Marginal
Sustain Current Business Model	Recognizes Needs to Evolve	Priority <u>But</u> Will Entertain Changes	Highest Priority if Possible
Experiment, Learn Quickly and Adapt	Leads Delivery Innovations	Fast Follower of Successes	Slow Follower of Successes
Disrupt Current Business Model	Resources Available	Resources Unavailable	Resources Unavailable
Move Online <u>With</u> Contingent Faculty	Selectively Attractive	Increasingly Attractive	Increasingly Necessary

Disciplinary Differences

We imagine that different disciplines will address change in different ways, in part greatly dependent on the university cohort in which they are located. The disciplinary roots of the three of us are humanities (Lombardi), medicine (Johns), and engineering (Rouse), so have chosen to address these disciplines. However, we expect that schools of business and law will also face similar challenges. Nevertheless, the investments by discipline may differ significantly as shown in Table 8.

Online Education. All disciplines will necessarily have to entertain greater use of online teaching as the response to the pandemic has prompted. However, disciplines may differ in emphases. Some of these differences will be driven by the differing content employed in the curricular of these differences. Also of great importance will be the extent that face-to-face interactions are central to each discipline and the extent to which these interactions can be technologically mediated.

Interactive Technologies. Advanced technology can enable compelling interactive portrayals of phenomena ranging from chemistry and physics, to human physiology and behaviors, to social and cultural interactions. These interactive technologies can augment reality and provide profound educational experiences. The quality of these immersive portrayals has steadily improved and the costs, at least on widely available platforms, have progressively decreased. The economics of such technologies depend, however, on the number of students across which costs can be amortized.

Knowledge Management. Information access and knowledge management are challenges across disciplines, although the nature of data and knowledge artifacts differ substantially across disciplines. In particular, the technological infrastructure associated with science and technology has benefitted from enormous investments. Humanities have seen important investments and innovations but not at all on the same scale. Of particular note, the data and knowledge artifacts of the humanities were seldom originally created digitally.

Process Improvement. Process modeling and improvement initiatives are significantly affected by two factors. One is the extent to which educational processes are interwoven with operational processes. This is greatest for medicine where much of education happens during delivery of clinical services. In engineering, considerable research happens with industry and undergraduate cooperative education programs. Humanities have few similar processes and thus can be approached in a more straightforward manner.

The second factor is scale. When an undergraduate major, e.g., electrical, industrial, or mechanical engineering, has well over 1,000 students in one department, technology investments can be amortized across many students and, thereby, justify much greater investments. If such institutions are also well resourced, i.e., Cohort 1, the human and financial resources can be marshaled to undertake these investments.

Table 8. Example Investments in Innovations Versus Disciplines

Potential Investments	Discipline		
	Humanities	Medicine	Engineering
High-quality online offerings to support both virtual and in-person education, including support for group work	High-quality virtual materials from selected pre-industrial civilizations representing Asia, Africa, North and South America, Europe, and Middle East	Virtual classrooms for both lecture and small group discussion, including the “art of clinical reasoning” and actual “rounds” on patients virtually with focus on developing tactic knowledge	High-quality online offerings, with seasoned, talented instructors interspersed with demonstrations, experiments, and group discussions and work
Advanced interactive technology to support of experiences, demonstrations, experiments, etc.	Augmented reality based interactions with art, history, geography, culture, language to enable students to experience other times, places and cultures	AI-based patient simulators so students can experience any disease and morbidity despite no current patient having it, including all types of personalities and even disabilities not associated with the disease or morbidity	Computational laboratories for every engineering discipline that provide access to hardware such as robots, powertrains, electronics, integrated circuits, and manufacturing processes
Advanced technology for accessing data, information, and knowledge	Easily accessible databases of texts, material culture, artifacts. Virtual reproductions of art, music, theater, popular culture with capability for individual interaction to create virtual experiences within the cultural context of the objects to engage particular themes, values, and behaviors	Content aggregation, text analytics, and machine learning for access and interpretation of millions of published articles across the breadth of medicine and related sciences	Content aggregation, text analytics, and machine learning for access and interpretation of millions of published articles across the breadth of engineering and science
Process modeling and reengineering across every process in the institution to streamline services and decrease costs	Evaluate tradeoff between student-mentor engagement with humanistic subjects and large scale technology enabled humanistic activity	Reduce redundancy and non-relevant clinical experiences in medical school and residency training to reduce student costs and years needed to enter clinical practice	Represent student flows through each curriculum in terms of knowledge, skills and experiences gained and the costs of delivering these outcomes; focus on increasing efficiencies without losing quality

Impacts on Ecosystem of Higher Education

We expect increased enrollments due to technology-enabled easier access and potentially lower priced tuitions – see Georgia Tech example. With continuing pressures to control costs, there will be a steadily decreasing tenure-track faculty workforce, with the possible exception for institutions in the strong cohort.

Technology and outsourcing will result in steadily decreasing staff positions. Decreased investments in bricks and mortar will inevitably lead to fewer support staff. Overall university employment will decline, with possible exceptions in medicine where clinician deficits are projected, and possibly engineering with steadily increasing demands for STEM education.

Impacts on US Global Competitiveness

The overall result will be a better-educated workforce due to increased enrollments. There will be increased workforce diversity due to easier access and lower prices. This will lead to an increasingly healthy, educated, and productive workforce that is competitive in the global marketplace. With faculty positions becoming scarcer, there will be increased placement of PhD graduates in industry and government. This will lead to enhanced technology transfer and innovation due to broadened placement of research talent. Industry and government demand for professional graduate degrees will increase with easier access and lower prices.

CONCLUSIONS

The unrecognized complexity of higher education is due to several factors. Higher education is complex in terms of differing human and financial resources by cohorts. Higher education is complex due to inclinations and abilities of different disciplines to adapt to change. These differences suggest that a “one size fits all” set of higher education policies will poorly align with this complexity. Policies need to be tailored to these differences to be fully effective.

The changes portended here will require strong leadership, as this is the key to fundamental change (Rouse, 2011). Marginal leaders can muddle through great times, but tend to falter in challenging times, e.g., (Furstenberg, 2020). Great leaders are needed to address challenging times (Barsh, Mogelof and Webb, 2010; Rao and Sutton, 2020).

The anticipated changes will be challenging, in part because higher education is no longer a “sacred cow” in society. Despite the importance of higher education to prosperity, it has to adapt to the realities of change. The likely changes will likely be rather disruptive. However, the net effects will be positive.

REFERENCES

- Barsh, J., Mogelof, J., and Webb, C. (2010). How centered leaders achieve extraordinary results. *McKinsey Quarterly*, October 1.
- Bok, D. (2003). *Universities in the Marketplace: The Commercialization of Higher Education*. Princeton, NJ: Princeton University Press.
- Carnegie (2018) *Carnegie Classification of Institutions of Higher Education, 2018 Update*. Indiana University.
- Christenson, C.M., and Eyring, H.J. (2011). *The Innovative University: Changing the DNA of Higher Education from Inside Out*. San Francisco: Jossey-Bass.
- Chronicle (2019). *The New Generation of Students: How Colleges Can Recruit, Teach, and Serve Gen Z*. Washington, DC: Chronicle of Higher Education.
- College Board (2019) *Trends in College Pricing*, New York.
- DeMillo, R. A. (2011). *Abelard to Apple: The Fate of American Colleges and Universities*. Cambridge, MA: MIT Press.
- Economist (2020). Could a fifth of America’s colleges really face the chop? *The Economist*, May 28.
- Edmit (2020). *Edmit’s College Financial Health Analysis*. Boston, MA: Edmit.
- Elkins, K. (2020). The 25 colleges where students go to earn the most money. *Money*, May 1.
- Furstenberg, F. (2020). University leaders are failing. The pandemic reveals ineptitude at the top. Change is needed. *Chronicle of Higher Education*, May 19.
- Lohr, S. (2020). Remember the MOOCs? After near-death, they’re booming. *New York Times*, May 26.
- Lombardi, J.V. and Craig, D.D. (2019) “Staying at the Top: An Essay on the Comparative Advantage of America’s Top Research Universities.” *The Top American Research Universities*, Center for Measuring University Performance, Amherst, MA-Bloomington, IN.
- Lombardi, J.V. (2013). *How Universities Work*. Baltimore: Johns Hopkins University Press.
- MUP (2000-19) Lombardi, J.V. et al., **The Top American Research Universities**, Center for Measuring University Performance.
- NCES (1993) *120 Years of American Education: A Statistical Portrait*, table 26.
- NCES (2017) Stats in Brief.
- NCES (2018) *Digest of Education Statistics*, table 105.30.
- NCES (2018) *Digest of Education Statistics*, table 106.60.
- NCES (2019) *Digest of Education Statistics*, table 104.10.
- NCES (2019) *Digest of Education Statistics*, table 302.60.
- NCES (2019) *Digest of Education Statistics*, table 317.10.
- NCES (2019) *Digest of Education Statistics*, table 330.10.
- NCES (2019) *Digest of Education Statistics*, tables 301.20 and 318.40.
- NCES (2019) *Digest of Education Statistics*, tables 303.70, 303.80, and 317.40.
- Open Doors (2019) *Report on International Educational Exchange*, Institute for International Education, New York.
- Potter, C.B. (2020). The only way to save higher education is to make it free. *New York Times*, June 5.
- Rao, H., and Sutton, R. (2020). From a room called fear to a room called hope: A leaderships agenda for troubled times. *McKinsey Quarterly*, July 9.
- Rouse, W.B. (2011). Necessary competencies for transforming an enterprise. *Journal of Enterprise Transformation*, 1 (1), 71-92.
- Rouse, W.B. (2016). *Universities as Complex Enterprises: How Academia Works, Why It Works These Ways, and Where the University Enterprise Is Headed*. New York: Wiley.
- Rouse, W.B., Lombardi, J.V. and Craig, D.D. (2018). Modeling research universities: Predicting probable futures of public vs. private and large vs. small research universities. *Proceedings of the National Academy of Sciences*, 115 (50), 12582-12589.
- Taparia, H. (2020). The future of college is online, and it’s cheaper. *New York Times*, May 25.

Part I – The Top American Research Universities

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

For the purpose of this study, *The Center for Measuring University Performance* includes only those institutions that had at least \$40 million in federal research expenditures in fiscal year 2017. This is the same dollar cutoff used since the 2008 report. There were 163 institutions who met our criteria, 115 public and 48 private.

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

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

- **The Top American Research Universities (26-50)** identifies the 30 institutions (8 private, 22 public) that rank 26 through 50 nationally on at least one of the nine measures.
- **The Top Private Research Universities (1-25)** identifies the 32 private institutions that rank in the top 25 among all private universities on at least one of the nine measures.
- **The Top Private Research Universities (26-50)** identifies the 6 private institutions that rank 26 through 50 among their private counterparts on at least one of the nine measures.
- **The Top Public Research Universities (1-25)** identifies the 46 public institutions that rank in the top 25 among all public universities on at least one of the nine measures.
- **The Top Public Research Universities (26-50)** identifies the 24 public institutions that rank 26 through 50 among their public counterparts on at least one of the nine measures.
- **The Top Medical and Specialized Research Universities** tables identify the institutions that have at least one measure that ranks in the top 50 nationally or among their private and public counterparts.

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

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

The Top American Research Universities

Top American Research Universities (1-25)				Research			Private		
Institutions in Order of Top 25 Score, then Top 26-50 Score, then Alphabetically		Number of Measures in Top 25 Nationally	Number of Measures in Top 26-50 Nationally	2017 Total Research x \$1000	2017 National Rank	2017 Federal Research x \$1000	2017 National Rank	2018 Endowment Assets x \$1000	2018 National Rank
Private	Columbia University	9	0	848,733	19	632,994	8	10,869,245	11
Private	Harvard University	9	0	1,032,590	12	565,269	13	38,298,087	1
Private	Massachusetts Institute of Technology	9	0	878,964	17	484,597	16	16,529,432	5
Private	Stanford University	9	0	1,055,418	10	684,928	4	26,464,912	3
Private	Johns Hopkins University	8	1	2,556,641	1	2,173,734	1	4,190,520	28
Public	University of Michigan - Ann Arbor	8	1	1,434,535	2	822,436	3	11,901,760	9
Private	University of Pennsylvania	8	1	1,247,686	5	653,405	6	13,777,441	6
Private	Yale University	8	1	930,569	13	531,995	15	29,351,100	2
Public	University of California - Los Angeles	8	0	1,037,780	11	479,799	17	4,608,029	25
Private	Duke University	7	2	1,113,921	7	622,174	9	8,524,846	13
Public	Ohio State University - Columbus	7	1	804,699	21	427,154	24	5,211,434	22
Public	University of Washington - Seattle	7	1	1,270,642	4	912,856	2	2,764,166	36
Private	Northwestern University	6	3	724,060	29	438,732	22	11,087,659	10
Public	University of California - Berkeley	6	3	724,817	28	326,548	35	4,730,836	23
Public	University of Minnesota - Twin Cities	6	2	881,286	16	448,814	20	3,717,476	29
Public	University of Wisconsin - Madison	6	2	1,105,261	8	552,983	14	3,365,989	32
Private	Washington University in St. Louis	6	1	740,005	24	468,637	19	7,594,159	15
Private	Cornell University	5	4	591,701	38	279,525	43	5,632,397	19
Private	New York University	5	3	822,329	20	369,947	27	4,262,116	26
Private	University of Chicago	5	3	419,996	54	302,361	40	7,928,485	14
Public	Univ. of North Carolina - Chapel Hill	5	3	1,061,535	9	657,879	5	3,432,911	31
Public	University of California - San Diego	5	2	1,126,269	6	639,643	7	1,625,687	65
Public	University of Texas - Austin	5	2	598,597	37	377,389	26	13,750,233	7
Private	University of Southern California	4	5	725,528	27	436,515	23	5,549,556	20
Private	Princeton University	4	3	325,150	71	175,485	72	25,917,199	4
Public	Texas A&M University - College Station	3	5	869,100	18	294,602	41	12,792,244	8
Private	Vanderbilt University	3	5	681,286	30	442,669	21	4,608,461	24
Public	Georgia Institute of Technology	3	4	785,603	22	578,107	12	2,089,440	50
Public	Pennsylvania State Univ. - Univ. Park	3	4	725,832	26	477,111	18	2,340,887	43
Public	University of California - Davis	3	4	726,469	25	337,995	33	1,416,342	69
Public	University of Florida	3	4	766,469	23	314,187	38	1,734,661	61
Public	Univ. of Illinois - Urbana-Champaign	3	4	602,641	36	344,657	32	1,800,156	58
Public	University of Pittsburgh - Pittsburgh	3	4	930,198	14	612,754	10	4,200,206	27
Private	University of Notre Dame	3	0	184,061	107	90,038	109	10,727,653	12
Private	Emory University	2	6	646,146	32	381,151	25	7,292,165	16
Private	California Institute of Technology	2	5	380,711	60	272,323	44	2,879,494	35
Private	Dartmouth College	2	1	277,638	81	136,977	87	5,494,204	21
Private	Rice University	2	1	163,312	120	83,894	117	6,277,506	18
Public	Purdue University - West Lafayette	1	6	533,598	41	224,965	55	2,523,770	38
Public	Rutgers University - New Brunswick	1	4	633,789	33	316,118	37	1,094,224	95
Public	University of Colorado - Boulder	1	4	474,496	48	359,462	30	655,576	159
Public	University of Maryland - College Park	1	4	532,982	42	361,269	29	605,540	167
Private	Brown University	1	3	201,253	100	141,864	84	3,603,848	30
Private	Carnegie Mellon University	1	3	313,145	73	189,974	65	2,385,986	41
Public	Arizona State University	1	2	484,315	47	214,845	58	720,565	146
Private	Northeastern University	1	1	134,827	132	90,190	108	831,129	125
Public	University of Virginia	1	1	431,793	52	215,193	57	6,856,309	17
Public	University of California - Santa Barbara	1	0	225,767	95	113,173	95	210,152	334

The Top American Research Universities

Support		Faculty				Advanced Training				Undergraduate	
2018 Annual Giving x \$1000	2018 National Rank	2018 National Academy Members	2018 National Rank	2018 Faculty Awards	2018 National Rank	2018 Doctorates Granted	2018 National Rank	2017 Post Docs	2017 National Rank	2017 Median SAT	2017 National Rank
1,009,762	3	141	5	24	21	669	18	1,272	6	1510	6
1,418,702	1	408	1	80	1	750	11	6,023	1	1525	3
469,933	16	276	3	29	11	645	21	1,423	4	1530	2
1,097,061	2	338	2	52	2	726	14	2,266	2	1465	18
723,599	6	112	13	29	11	591	24	1,768	3	1500	8
490,035	15	118	10	38	3	874	1	1,368	5	1415	43
717,529	7	130	7	30	10	551	27	1,071	12	1480	14
585,947	10	127	8	27	14	433	43	1,097	10	1520	4
786,651	4	106	14	32	8	721	15	1,107	9	1335	99
516,890	12	70	19	21	26	669	18	600	29	1460	19
436,974	17	31	41	25	18	855	3	659	23	1340	93
681,053	8	104	15	27	14	633	23	1,023	14	1305	127
397,113	20	49	26	25	18	443	40	989	15	1460	19
419,366	18	227	4	36	4	871	2	1,146	8	1415	43
367,442	22	45	28	25	18	702	16	1,031	13	1325	102
274,966	30	72	17	24	21	805	6	744	19	1340	93
346,973	24	57	21	12	58	262	81	611	27	1460	19
410,909	19	64	20	34	6	540	29	460	42	1470	17
502,407	14	57	21	31	9	435	42	666	22	1390	63
576,038	11	72	17	22	23	439	41	437	46	1480	14
374,534	21	37	32	28	13	501	34	806	18	1385	66
280,002	27	117	11	34	6	515	33	1,255	7	1310	116
357,950	23	75	16	27	14	855	3	305	59	1340	93
649,971	9	45	28	17	39	762	9	452	45	1430	32
269,924	32	126	9	27	14	396	49	592	30	1500	8
305,657	26	44	30	14	49	758	10	601	28	1250	196
173,651	48	33	37	18	34	324	65	487	40	1480	14
140,439	64	34	35	22	23	530	32	289	62	1430	32
205,747	41	27	47	22	23	668	20	317	56	1250	196
172,062	49	48	27	19	31	562	25	831	17	1245	204
339,867	25	28	44	14	49	772	7	579	31	1320	113
233,316	38	51	25	35	5	816	5	459	44	1340	93
130,049	67	29	43	21	26	419	46	726	20	1329	101
502,771	13	3	122	9	74	281	76	64	145	1460	19
252,223	33	33	37	14	49	276	78	538	35	1415	43
236,010	35	113	12	15	44	191	107	629	26	1560	1
272,619	31	14	67	12	58	81	204	168	99	1495	11
114,496	77	24	50	4	128	207	101	200	91	1500	8
192,303	44	28	44	16	41	745	12	385	48	1265	171
159,477	54	35	33	18	34	737	13	306	57	1295	131
148,257	60	33	37	13	55	407	48	887	16	1295	131
124,853	69	22	54	19	31	641	22	513	39	1375	71
233,812	37	24	50	9	74	208	100	232	77	1460	19
145,694	63	39	31	16	41	322	66	259	71	1495	11
206,024	40	21	57	13	55	692	17	288	63	1225	234
48,254	146	5	105	18	34	184	111	164	100	1460	19
275,712	29	21	57	8	82	360	56	306	57	1405	54
92,563	96	53	23	6	101	361	55	318	55	1295	131

The Top American Research Universities

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	2017 Total Research x \$1000	2017 National Rank	2017 Federal Research x \$1000	2017 National Rank	2018 Endowment Assets x \$1000	2018 National Rank
Public	Michigan State University	7	653,611	31	329,533	34	3,275,887	33
Public	University of Arizona	7	609,965	34	269,201	45	959,632	112
Public	Indiana University - Bloomington	5	507,553	44	241,350	50	1,154,032	90
Public	North Carolina State University	5	488,974	46	213,544	60	1,293,743	81
Private	Boston University	4	398,754	58	253,828	47	2,161,596	47
Public	University of California - Irvine	4	339,309	69	178,789	71	972,185	110
Public	University of Utah	4	318,956	72	218,405	56	1,186,952	86
Private	University of Rochester	3	351,924	66	267,040	46	2,177,868	46
Public	Virginia Polytechnic Institute and State University	3	511,340	43	181,379	70	1,146,055	91
Private	Case Western Reserve University	2	406,196	56	325,354	36	1,842,899	57
Public	Florida State University	2	247,319	88	118,359	94	681,370	156
Public	Iowa State University	2	310,100	75	125,607	91	1,062,682	98
Public	University of Alabama - Birmingham	2	553,651	40	356,303	31	504,530	197
Public	University of Colorado - Denver/Anschutz Medical	2	472,859	49	305,473	39	564,690	180
Public	University of Georgia	2	403,575	57	153,279	78	1,274,343	82
Public	University of Iowa	2	466,462	50	236,679	52	1,500,456	68
Public	University of South Florida - Tampa	2	502,216	45	234,871	53	480,427	202
Public	University of Tennessee - Knoxville	2	269,548	83	142,549	83	709,776	151
Private	Georgetown University	1	187,948	104	93,224	107	1,769,557	60
Private	Tufts University	1	216,895	97	138,004	85	1,845,956	56
Private	Tulane University	1	167,338	118	93,747	106	1,384,371	72
Public	University of Arkansas - Fayetteville	1	135,925	131	42,198	159	1,185,715	87
Public	University of California - Riverside	1	159,305	121	75,920	122	250,220	294
Public	University of Connecticut - Storrs	1	180,929	110	99,884	104	334,071	249
Public	University of Massachusetts - Amherst	1	194,030	102	101,992	102	346,953	243
Private	University of Miami	1	365,310	63	193,549	64	1,021,508	101
Public	University of Missouri - Columbia	1	242,967	90	106,804	100	1,005,121	104
Public	University of Nebraska - Lincoln	1	270,749	82	99,956	103	978,745	108
Public	University of Oregon	1	72,517	169	57,092	138	912,512	117
Private	Wake Forest University	1	181,876	109	147,746	80	1,339,003	77

The Top American Research Universities

Support		Faculty				Advanced Training				Undergraduate	
2018 Annual Giving x \$1000	2018 National Rank	2018 National Academy Members	2018 National Rank	2018 Faculty Awards	2018 National Rank	2018 Doctorates Granted	2018 National Rank	2017 Post Docs	2017 National Rank	2017 Median SAT	2017 National Rank
180,918	45	15	64	20	29	553	26	555	33	1210	257
277,938	28	32	40	15	44	451	39	485	41		
243,443	34	15	64	10	66	500	36	427	47	1310	116
165,054	53	24	50	18	34	533	31	517	37	1325	102
158,458	55	20	59	11	61	535	30	348	49	1390	63
203,370	42	34	35	21	26	380	53	345	50	1260	176
234,016	36	25	49	20	29	346	60	514	38	1225	234
113,327	78	20	59	18	34	261	82	214	85	1395	61
132,907	66	13	69	19	31	472	37	230	78	1270	165
113,012	79	20	59	9	74	219	97	191	93	1415	43
82,281	103	8	87	15	44	422	44	225	80	1310	116
168,921	52	10	75	15	44	416	47	326	54	1210	257
78,934	107	7	95	4	128	161	125	270	69	1195	296
167,184	52	16	62	5	112	128	146	329	52	1180	344
170,352	50	8	87	10	66	546	28	229	79	1325	102
135,616	65	22	54	9	74	452	38	329	52	1225	234
56,208	134	10	75	14	49	374	54	288	63	1230	229
103,170	89	7	95	14	49	393	50	138	110	1280	155
153,404	56	10	75	2	193	131	143	97	127	1435	31
70,564	118	8	87	3	155	158	130	206	87	1445	28
103,705	88	3	122	7	92	130	144	118	120	1415	43
221,916	39	4	116	11	61	204	103	62	149	1240	206
23,011	249	10	75	16	41	305	70	223	81	1195	296
49,705	144	1	159	14	49	316	67	98	126	1300	129
40,530	166	8	87	15	44	295	74	151	104	1270	165
180,100	46	13	69	4	128	212	99	219	83	1370	72
147,709	61	9	82	5	112	501	34	245	72	1240	206
117,989	75	2	139	17	39	283	75	181	95	1225	234
193,186	43	12	72	12	58	182	112	62	149	1175	376
178,098	47	7	95	5	112	36	304	139	109		

The Top American Research Universities

Top Private Research Universities (1-25)				Research			Private		
Institutions in Order of Top 25 Score, then Top 26-50 Score, then Alphabetically		Number of Measures in Top 25 Control	Number of Measures in Top 26-50 Control	2017 Total Research x \$1000	2017 Control Rank	2017 Federal Research x \$1000	2017 Control Rank	2018 Endowment Assets x \$1000	2018 Control Rank
Private	Columbia University	9	0	848,733	8	632,994	4	10,869,245	8
Private	Cornell University	9	0	591,701	16	279,525	19	5,632,397	15
Private	Duke University	9	0	1,113,921	3	622,174	5	8,524,846	10
Private	Harvard University	9	0	1,032,590	5	565,269	6	38,298,087	1
Private	Johns Hopkins University	9	0	2,556,641	1	2,173,734	1	4,190,520	20
Private	Massachusetts Institute of Technology	9	0	878,964	7	484,597	8	16,529,432	5
Private	Northwestern University	9	0	724,060	12	438,732	11	11,087,659	7
Private	Stanford University	9	0	1,055,418	4	684,928	2	26,464,912	3
Private	University of Chicago	9	0	419,996	18	302,361	17	7,928,485	11
Private	University of Pennsylvania	9	0	1,247,686	2	653,405	3	13,777,441	6
Private	Vanderbilt University	9	0	681,286	13	442,669	10	4,608,461	18
Private	Washington University in St. Louis	9	0	740,005	10	468,637	9	7,594,159	12
Private	Yale University	9	0	930,569	6	531,995	7	29,351,100	2
Private	California Institute of Technology	8	1	380,711	21	272,323	20	2,879,494	22
Private	Emory University	8	1	646,146	14	381,151	13	7,292,165	13
Private	University of Southern California	8	1	725,528	11	436,515	12	5,549,556	16
Private	New York University	8	0	822,329	9	369,947	14	4,262,116	19
Private	Princeton University	7	2	325,150	27	175,485	27	25,917,199	4
Private	Boston University	6	2	398,754	20	253,828	22	2,161,596	31
Private	Carnegie Mellon University	5	4	313,145	28	189,974	25	2,385,986	26
Private	Brown University	4	5	201,253	34	141,864	32	3,603,848	21
Private	University of Notre Dame	4	5	184,061	37	90,038	40	10,727,653	9
Private	Dartmouth College	4	4	277,638	30	136,977	34	5,494,204	17
Private	Rice University	3	6	163,312	40	83,894	42	6,277,506	14
Private	University of Rochester	3	5	351,924	25	267,040	21	2,177,868	30
Private	University of Miami	3	4	365,310	23	193,549	24	1,021,508	61
Private	Case Western Reserve University	2	7	406,196	19	325,354	16	1,842,899	38
Private	George Washington University	2	6	226,005	31	144,567	31	1,798,810	39
Private	Northeastern University	2	5	134,827	42	90,190	39	831,129	78
Private	Georgetown University	1	7	187,948	36	93,224	38	1,769,557	40
Private	Drexel University	1	6	132,507	43	69,326	43	779,692	84
Private	Wake Forest University	1	6	181,876	38	147,746	30	1,339,003	48

The Top American Research Universities

Support		Faculty				Advanced Training				Undergraduate	
2018 Annual Giving x \$1000	2018 Control Rank	2018 National Academy Members	2018 Control Rank	2018 Faculty Awards	2018 Control Rank	2018 Doctorates Granted	2018 Control Rank	2017 Post Docs	2017 Control Rank	2017 Median SAT	2017 Control Rank
1,009,762	3	141	4	24	11	669	5	1,272	5	1510	6
410,909	13	64	12	34	3	540	10	460	20	1470	17
516,890	9	70	11	21	13	669	5	600	14	1460	19
1,418,702	1	408	1	80	1	750	3	6,023	1	1525	3
723,599	4	112	9	29	6	591	8	1,768	3	1500	8
469,933	12	276	3	29	6	645	7	1,423	4	1530	2
397,113	14	49	16	25	10	443	12	989	8	1460	19
1,097,061	2	338	2	52	2	726	4	2,266	2	1465	18
576,038	8	72	10	22	12	439	13	437	23	1480	14
717,529	5	130	5	30	5	551	9	1,071	7	1480	14
173,651	23	33	19	18	14	324	18	487	19	1480	14
346,973	15	57	13	12	21	262	25	611	13	1460	19
585,947	7	127	6	27	8	433	15	1,097	6	1520	4
236,010	19	113	8	15	19	191	33	629	12	1560	1
252,223	18	33	19	14	20	276	22	538	17	1415	42
649,971	6	45	17	17	17	762	2	452	22	1430	32
502,407	11	57	13	31	4	435	14	666	10	1390	59
269,924	17	126	7	27	8	396	16	592	15	1500	8
158,458	24	20	28	11	23	535	11	348	24	1390	59
145,694	26	39	18	16	18	322	19	259	26	1495	11
233,812	20	24	24	9	27	208	30	232	28	1460	19
502,771	10	3	49	9	27	281	21	64	50	1460	19
272,619	16	14	31	12	21	81	73	168	35	1495	11
114,496	29	24	24	4	40	207	31	200	33	1500	8
113,327	30	20	28	18	14	261	26	214	31	1395	57
180,100	21	13	32	4	40	212	29	219	29	1370	65
113,012	31	20	28	9	27	219	28	191	34	1415	42
76,683	43	11	34	10	25	265	23	93	47	1360	73
48,254	59	5	42	18	14	184	34	164	36	1460	19
153,404	25	10	35	2	64	131	43	97	46	1435	31
86,782	39	7	38	11	23	231	27	90	48	1260	126
178,098	22	7	38	5	39	36	122	139	40		

The Top American Research Universities

Top Private Research Universities (26-50)		Research				Private		
Institutions in Order of Top 26-50 Score, then Alphabetically		Number of Measures in Top 26-50 Control	2017 Total Research x \$1000	2017 Control Rank	2017 Federal Research x \$1000	2017 Control Rank	2018 Endowment Assets x \$1000	2018 Control Rank
Private	Tufts University	9	216,895	32	138,004	33	1,845,956	37
Private	Tulane University	9	167,338	39	93,747	37	1,384,371	46
Private	Rensselaer Polytechnic Institute	7	96,533	46	47,749	47	718,199	94
Private	Brandeis University	6	62,745	49	44,819	48	1,046,386	60
Private	Yeshiva University	5	292,943	29	189,075	26	647,619	102
Private	University of Dayton	2	127,207	44	112,584	35	568,374	110

Support		Faculty				Advanced Training				Undergraduate	
2018 Annual Giving x \$1000	2018 Control Rank	2018 National Academy Members	2018 Control Rank	2018 Faculty Awards	2018 Control Rank	2018 Doctorates Granted	2018 Control Rank	2017 Post Docs	2017 Control Rank	2017 Median SAT	2017 Control Rank
70,564	46	8	37	3	47	158	41	206	32	1445	28
103,705	33	3	49	7	34	130	44	118	43	1415	42
45,185	61	7	38	4	40	164	36	73	49	1410	50
57,869	50	10	35	8	31	81	73	101	44	1400	54
33,176	93	13	32	7	34	101	56	240	27	1290	112
34,768	85	0	89	0	190	41	115	5	94	1260	126

The Top American Research Universities

Top Public Research Universities (1-25)				Research			Private		
Institutions in Order of Top 25 Score, then Top 26-50 Score, then Alphabetically		Number of Measures in Top 25 Control	Number of Measures in Top 26-50 Control	2017 Total Research x \$1000	2017 Control Rank	2017 Federal Research x \$1000	2017 Control Rank	2018 Endowment Assets x \$1000	2018 Control Rank
Public	Ohio State University - Columbus	9	0	804,699	12	427,154	12	5,211,434	5
Public	University of California - Berkeley	9	0	724,817	17	326,548	20	4,730,836	6
Public	University of California - Los Angeles	9	0	1,037,780	7	479,799	9	4,608,029	7
Public	University of California - San Diego	9	0	1,126,269	4	639,643	4	1,625,687	22
Public	Univ. of Illinois - Urbana-Champaign	9	0	602,641	21	344,657	17	1,800,156	20
Public	University of Michigan - Ann Arbor	9	0	1,434,535	1	822,436	2	11,901,760	3
Public	University of Minnesota - Twin Cities	9	0	881,286	10	448,814	11	3,717,476	9
Public	Univ. of North Carolina - Chapel Hill	9	0	1,061,535	6	657,879	3	3,432,911	10
Public	University of Wisconsin - Madison	9	0	1,105,261	5	552,983	8	3,365,989	11
Public	University of Florida	8	1	766,469	14	314,187	22	1,734,661	21
Public	University of Texas - Austin	8	1	598,597	22	377,389	13	13,750,233	1
Public	University of Washington - Seattle	8	1	1,270,642	3	912,856	1	2,764,166	14
Public	Georgia Institute of Technology	7	2	785,603	13	578,107	7	2,089,440	17
Public	Purdue University - West Lafayette	7	2	533,598	24	224,965	32	2,523,770	15
Public	University of Pittsburgh - Pittsburgh	7	2	930,198	8	612,754	5	4,200,206	8
Public	Michigan State University	7	1	653,611	18	329,533	19	3,275,887	12
Public	Pennsylvania State Univ. - Univ. Park	7	1	725,832	16	477,111	10	2,340,887	16
Public	Texas A&M University - College Station	7	1	869,100	11	294,602	24	12,792,244	2
Public	University of California - Davis	7	1	726,469	15	337,995	18	1,416,342	24
Public	University of Maryland - College Park	6	2	532,982	25	361,269	14	605,540	63
Public	Rutgers University - New Brunswick	5	4	633,789	19	316,118	21	1,094,224	38
Public	University of Arizona	5	3	609,965	20	269,201	25	959,632	45
Public	Indiana University - Bloomington	4	5	507,553	27	241,350	27	1,154,032	36
Public	North Carolina State University	4	5	488,974	29	213,544	37	1,293,743	30
Public	University of California - Irvine	3	5	339,309	43	178,789	45	972,185	44
Public	University of Colorado - Boulder	3	5	474,496	31	359,462	15	655,576	58
Public	University of Utah	3	5	318,956	45	218,405	33	1,186,952	32
Public	University of Virginia	3	5	431,793	35	215,193	34	6,856,309	4
Public	Arizona State University	2	5	484,315	30	214,845	35	720,565	54
Public	University of Georgia	2	5	403,575	38	153,279	50	1,274,343	31
Public	University of Alabama - Birmingham	2	1	553,651	23	356,303	16	504,530	79
Public	Virginia Polytechnic Inst. and St. Univ.	1	8	511,340	26	181,379	44	1,146,055	37
Public	University of Iowa	1	7	466,462	33	236,679	29	1,500,456	23
Public	U. of Colorado - Denver/Anschutz Med.	1	4	472,859	32	305,473	23	564,690	70
Public	University of Missouri - Columbia	1	4	242,967	60	106,804	64	1,005,121	41
Public	Stony Brook University	1	3	235,430	62	125,150	58	305,017	106
Public	University of California - Santa Barbara	1	3	225,767	64	113,173	61	210,152	131
Public	University of Oregon	1	3	72,517	121	57,092	94	912,512	47
Public	Florida State University	1	2	247,319	58	118,359	60	681,370	57
Public	University of Arkansas - Fayetteville	1	2	135,925	90	42,198	111	1,185,715	33
Public	University of Nebraska - Lincoln	1	2	270,749	52	99,956	67	978,745	43
Public	Clemson University	1	1	144,728	88	62,920	90	741,802	52
Public	University of California - Riverside	1	1	159,305	81	75,920	80	250,220	118
Public	University of Delaware	1	1	176,455	74	113,031	62	1,413,197	25
Public	Virginia Commonwealth University	1	1	210,827	66	127,341	56	1,951,337	19
Public	University of Alabama - Huntsville	1	0	89,392	111	68,259	85	78,545	234

The Top American Research Universities

Support		Faculty				Advanced Training				Undergraduate	
2018 Annual Giving x \$1000	2018 Control Rank	2018 National Academy Members	2018 Control Rank	2018 Faculty Awards	2018 Control Rank	2018 Doctorates Granted	2018 Control Rank	2017 Post Docs	2017 Control Rank	2017 Median SAT	2017 Control Rank
436,974	5	31	21	25	9	855	3	659	13	1340	10
419,366	6	227	1	36	2	871	2	1146	3	1415	2
786,651	1	106	5	32	5	721	11	1107	4	1335	15
280,002	12	117	4	34	4	515	22	1255	2	1310	23
233,316	18	51	10	35	3	816	5	459	23	1340	10
490,035	4	118	3	38	1	874	1	1368	1	1415	2
367,442	8	45	12	25	9	702	12	1031	6	1325	17
374,534	7	37	14	28	6	501	23	806	10	1385	6
274,966	15	72	8	24	11	805	6	744	11	1340	10
339,867	10	28	23	14	30	772	7	579	16	1320	22
357,950	9	75	7	27	7	855	3	305	35	1340	10
681,053	3	104	6	27	7	633	16	1023	7	1305	29
140,439	38	34	17	22	12	530	21	289	38	1430	1
192,303	24	28	23	16	24	745	9	385	25	1265	48
130,049	41	29	22	21	14	419	31	726	12	1329	16
180,918	25	15	34	20	16	553	18	555	18	1210	76
205,747	21	27	25	22	12	668	14	317	32	1250	53
305,657	11	44	13	14	30	758	8	601	15	1250	53
172,062	26	48	11	19	18	562	17	831	9	1245	59
124,853	43	22	28	19	18	641	15	513	21	1375	7
159,477	31	35	15	18	21	737	10	306	33	1295	32
277,938	13	32	20	15	26	451	28	485	22		
243,443	16	15	34	10	42	500	25	427	24	1310	23
165,054	30	24	27	18	21	533	20	517	19	1325	17
203,370	22	34	17	21	14	380	37	345	26	1260	51
148,257	35	33	19	13	35	407	33	887	8	1295	32
234,016	17	25	26	20	16	346	43	514	20	1225	67
275,712	14	21	30	8	52	360	40	306	33	1405	4
206,024	20	21	30	13	35	692	13	288	39	1225	67
170,352	27	8	51	10	42	546	19	229	51	1325	17
78,934	66	7	58	4	89	161	87	270	44	1195	87
132,907	40	13	38	19	18	472	26	230	50	1270	45
135,616	39	22	28	9	48	452	27	329	28	1225	67
167,184	29	16	32	5	74	128	102	329	28	1180	108
147,709	36	9	46	5	74	501	23	245	46	1240	60
52,223	85	14	37	7	59	311	49	271	43	1310	23
92,563	59	53	9	6	65	361	39	318	31	1295	32
193,186	23	12	39	12	38	182	78	62	98	1175	123
82,281	62	8	51	15	26	422	29	225	52	1310	23
221,916	19	4	70	11	39	204	71	62	98	1240	60
117,989	47	2	83	17	23	283	55	181	61	1225	67
103,855	55	2	83	10	42	232	66	94	83	1340	10
23,011	133	10	41	16	24	305	51	223	53	1195	87
48,165	88	9	46	5	74	258	58	144	67	1230	65
71,054	72	7	58	6	65	326	46	177	62	1165	130
2,851	335	1	97	0	293	25	197	14	167	1310	23

The Top American Research Universities

Top Public Research Universities (26-50)		Research				Private		
Institutions in Order of Top 26-50 Score, then Alphabetically		Number of Measures in Top 26-50 Control	2017 Total Research x \$1000	2017 Control Rank	2017 Federal Research x \$1000	2017 Control Rank	2018 Endowment Assets x \$1000	2018 Control Rank
Public	Iowa State University	7	310,100	47	125,607	57	1,062,682	39
Public	University of South Florida - Tampa	6	502,216	28	234,871	30	480,427	83
Public	Colorado State University - Fort Collins	5	328,221	44	232,405	31	355,923	94
Public	University at Buffalo	5	386,386	39	184,313	42	725,000	53
Public	University of Cincinnati - Cincinnati	5	427,236	36	239,659	28	1,367,000	27
Public	University of Kentucky	5	367,934	40	168,347	46	1,361,246	28
Public	Washington State University - Pullman	5	310,607	46	133,308	55	1,024,380	40
Public	University of Houston - University Park	4	149,795	84	57,263	93	641,843	61
Public	University of Illinois - Chicago	4	352,200	41	188,730	41	350,744	95
Public	University of South Carolina - Columbia	4	180,127	73	89,565	70	761,784	50
Public	Auburn University	3	167,352	79	54,693	98	767,361	49
Public	University of Connecticut - Storrs	3	180,929	72	99,884	68	334,071	99
Public	University of Hawaii - Manoa	3	288,294	50	181,750	43	321,040	101
Public	University of Kansas - Lawrence	3	164,772	80	85,807	72	1,342,128	29
Public	University of Tennessee - Knoxville	3	269,548	53	142,549	52	709,776	56
Public	Oregon State University	2	260,893	55	157,708	49	595,763	64
Public	University of California - Santa Cruz	2	119,990	97	65,133	88	203,032	137
Public	University of Massachusetts - Amherst	2	194,030	67	101,992	66	346,953	96
Public	University of New Mexico - Albuquerque	2	236,623	61	159,583	48	452,527	86
Public	Louisiana State University - Baton Rouge	1	258,402	56	80,044	78	499,341	80
Public	New Jersey Institute of Technology	1	101,334	103	64,840	89	120,068	173
Public	State University of New York - Polytechnic Institute	1	308,843	48	41,247	113	6,954	609
Public	University of Oklahoma - Norman	1	128,254	94	70,348	82	1,164,539	35
Public	University of Vermont	1	117,433	99	78,383	79	554,985	71

The Top American Research Universities

Support		Faculty				Advanced Training				Undergraduate	
2018 Annual Giving x \$1000	2018 Control Rank	2018 National Academy Members	2018 Control Rank	2018 Faculty Awards	2018 Control Rank	2018 Doctorates Granted	2018 Control Rank	2017 Post Docs	2017 Control Rank	2017 Median SAT	2017 Control Rank
168,921	28	10	41	15	26	416	32	326	30	1210	76
56,208	81	10	41	14	30	374	38	288	39	1230	65
79,063	65	9	46	10	42	250	60	267	45	1210	76
55,829	82	8	51	9	48	332	45	287	41	1170	125
120,086	46	8	51	5	74	244	62	296	37	1225	67
149,327	32	2	83	8	52	309	50	184	60	1210	76
85,128	61	9	46	9	48	336	44	201	58	1120	212
98,061	57	15	34	10	42	389	35	237	48	1195	87
57,134	78	6	61	9	48	349	41	204	56	1140	165
110,419	49	1	97	5	74	388	36	122	75	1295	32
120,435	45	1	97	3	109	253	59	70	94	1280	40
49,705	86	1	97	14	30	316	48	98	81	1300	30
42,970	93	11	40	8	52	204	71	203	57	1145	162
146,788	37	5	64	4	89	325	47	112	78		
103,170	56	7	58	14	30	393	34	138	70	1280	40
109,726	51	4	70	7	59	249	61	236	49	1185	104
38,038	102	10	41	11	39	159	88	136	71	1250	53
40,530	98	8	51	15	26	295	54	151	66	1270	45
75,639	70	5	64	10	42	198	74	96	82	1110	221
110,268	50	3	74	3	109	299	53	126	73	1225	67
11,811	197	1	97	5	74	73	137	25	141	1280	40
342	478	0	142	0	293	5	276	8	182	1145	162
107,297	53	0	142	8	52	239	65	131	72	1240	60
41,776	95	1	97	7	59	66	145	82	88	1265	48

The Top American Research Universities

Top Medical and Specialized Research Universities				Research			Private		
Institutions in Order of Top 25 Score, then Top 26-50 Score, then Alphabetically		Number of Measures in Top 25 National	Number of Measures in Top 26-50 National	2017 Total Research x \$1000	2017 National Rank	2017 Federal Research x \$1000	2017 National Rank	2018 Endowment Assets x \$1000	2018 National Rank
Public	University of California - San Francisco	5	1	1,409,398	3	606,768	11	3,212,862	34
Public	Univ. of Texas MD Anderson Cancer Ctr.	2	0	888,029	15	166,552	74	1,393,379	71
Private	Icahn School of Medicine at Mount Sinai	1	3	575,448	39	367,522	28	748,174	139
Private	Rockefeller University	1	1	348,845	67	86,763	112	2,194,245	45
Private	Baylor College of Medicine	0	3	604,952	35	292,806	42	1,272,276	83
Private	Scripps Research Institute	0	3	354,582	64	250,090	48		
Public	Univ. of Texas SW Medical Ctr. - Dallas	0	2	461,797	51	200,085	63	1,990,654	52
Private	Weill Cornell Medical College	0	2	371,465	61	155,830	77	1,597,894	67
Public	Oregon Health & Science University	0	1	346,710	68	243,495	49	745,744	140

Top Private Medical and Specialized Research Universities				Research			Private		
Institutions in Order of Top 25 Score, then Top 26-50 Score, then Alphabetically		Number of Measures in Top 25 Control	Number of Measures in Top 26-50 Control	2017 Total Research x \$1000	2017 Control Rank	2017 Federal Research x \$1000	2017 Control Rank	2018 Endowment Assets x \$1000	2018 Control Rank
Private	Icahn School of Medicine at Mount Sinai	4	2	575,448	17	367,522	15	748,174	89
Private	Scripps Research Institute	4	1	354,582	24	250,090	23		
Private	Rockefeller University	3	4	348,845	26	86,763	41	2,194,245	29
Private	Weill Cornell Medical College	3	4	371,465	22	155,830	28	1,597,894	45
Private	Baylor College of Medicine	3	2	604,952	15	292,806	18	1,272,276	52
Private	Thomas Jefferson University	0	5	142,569	41	62,029	44	264,065	170
Private	Cold Spring Harbor Laboratory	0	4	97,288	45	54,260	45		
Private	Woods Hole Oceanographic Institution	0	4	194,088	35	148,491	29		
Private	Medical College of Wisconsin	0	3	209,618	33	108,276	36	930,961	69
Private	Rush University	0	3	74,062	48	51,532	46	602,792	105

Top Public Medical and Specialized Research Universities				Research			Private		
Institutions in Order of Top 25 Score, then Top 26-50 Score, then Alphabetically		Number of Measures in Top 25 Control	Number of Measures in Top 26-50 Control	2017 Total Research x \$1000	2017 Control Rank	2017 Federal Research x \$1000	2017 Control Rank	2018 Endowment Assets x \$1000	2018 Control Rank
Public	University of California - San Francisco	6	1	1,409,398	2	606,768	6	3,212,862	13
Public	Univ. of Texas SW Medical Ctr. - Dallas	3	4	461,797	34	200,085	40	1,990,654	18
Public	Univ. of Texas MD Anderson Cancer Ctr.	2	4	888,029	9	166,552	47	1,393,379	26
Public	Oregon Health & Science University	0	5	346,710	42	243,495	26	745,744	51
Public	University of Maryland - Baltimore	0	3	406,979	37	214,270	36	313,244	102
Public	Univ. of Mass. Med. Sch. - Worcester	0	3	279,884	51	200,232	39	22,396	442
Public	Uniformed Services University of the HS	0	2	298,370	49	204,241	38		
Public	University of Texas HSC - Houston	0	1	246,060	59	124,461	59	528,594	77

The Top American Research Universities

Support		Faculty				Advanced Training			
2018 Annual Giving x \$1000	2018 National Rank	2018 National Academy Members	2018 National Rank	2018 Faculty Awards	2018 National Rank	2018 Doctorates Granted	2018 National Rank	2017 Post Docs	2017 National Rank
730,268	5	136	6	13	55	135	139	1,077	11
148,283	59	16	62	7	92			651	24
124,788	70	24	50	6	101	49	265	668	21
70,811	117	52	24	10	66	30	328	277	67
57,654	128	22	54	6	101	100	173	533	36
		30	42	9	74			554	34
115,719	76	35	33	11	61	78	207	573	32
96,386	91	26	48	4	128	56	245	460	42
148,906	58	10	75	7	92	54	252	284	66

Support		Faculty				Advanced Training			
2018 Annual Giving x \$1000	2018 Control Rank	2018 National Academy Members	2018 Control Rank	2018 Faculty Awards	2018 Control Rank	2018 Doctorates Granted	2018 Control Rank	2017 Post Docs	2017 Control Rank
124,788	27	24	24	6	37	49	100	668	9
		30	21	9	27			554	16
70,811	45	52	15	10	25	30	137	277	25
96,386	34	26	23	4	40	56	92	460	20
57,654	51	22	27	6	37	100	57	533	18
56,281	53	3	49	3	47	15	197	123	42
		5	42	1	178			163	37
		3	49	0	190			99	45
17,039	151	2	57	0	190	32	129	126	41
16,534	154	3	49	0	190	14	207	35	58

Support		Faculty				Advanced Training			
2018 Annual Giving x \$1000	2018 Control Rank	2018 National Academy Members	2018 Control Rank	2018 Faculty Awards	2018 Control Rank	2018 Doctorates Granted	2018 Control Rank	2017 Post Docs	2017 Control Rank
730,268	2	136	2	13	35	135	98	1,077	5
115,719	48	35	15	11	39	78	132	573	17
148,283	34	16	32	7	59	0	295	651	14
148,906	33	10	41	7	59	54	157	284	42
57,074	79	8	51	4	89	88	128	334	27
35,953	106	9	46	8	52	68	143	302	36
		3	74	0	293			33	124
56,482	80	5	64	1	178	178	80	241	47

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

The Center for Measuring University Performance's research universities consist of academic institutions that had more than \$40 million in federal research expenditures in fiscal year 2017. In the following tables, institutions are listed alphabetically with the most current data available on each measure and their rank on each measure for each year. *The Center for Measuring University Performance* provides both the national rank (rank among all universities) and the control rank (rank within private or public universities). We include five years of data for each measure, which correspond to the same data years used in each of the five prior *The Top American Research Universities* reports. In addition to the nine performance variables presented in Part I tables, these tables also include other institutional characteristics related to student enrollment, medical schools, land grant status, ownership, research focus, and National Merit and Achievement Scholars. The Source Notes section of this report provides detailed information on each data element. Tables in this section include the following:

- **Total Research Expenditures** (2013-2017)
- **Federal Research Expenditures** (2013-2017)
- **Research by Major Discipline** (2017)
- **Endowment Assets** (2014-2018)
- **Annual Giving** (2014-2018)
- **National Academy Membership** (2014-2018)
- **Faculty Awards** (2014-2018)
- **Doctorates Awarded** (2014-2018)
- **Postdoctoral Appointees** (2013-2017)
- **SAT Scores** (2013-2017)
- **National Merit and Achievement Scholars** (2014-2018)
- **Change: Research** presents trend data on total, federal, and non-federal research (2008 and 2017) in constant dollars.
- **Change: Private Support and Doctorates** provides trend data on endowment assets (2009 and 2018) and annual giving (2009 and 2018) in constant dollars, and doctorates awarded (2009 and 2018).
- **Change: Students** includes trend data on median SAT scores (2008 and 2017), National Merit and Achievement Scholars (2009 and 2018), and student headcount enrollment (2008 and 2017).
- **Institutional Characteristics** includes state location, highest degree offered, medical school and land grant status, federal research focus (summary of federal research by discipline), and total student enrollment.
- **Student Characteristics** provides headcount enrollment data broken out by level (i.e., undergraduate and graduate), part-time enrollment by level, and degrees awarded.
- **The Center for Measuring University Performance** measures presents the number of times a university ranks in the top 25 (or 26-50) on the nine quality measures in this year's report as compared to the past five years (i.e., 2014-2018 reports).

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

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

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

The Top American Research Universities

Total Research							
Institutions with Over \$40 Million in Federal Research, Alphabetically		2017 Total Research x \$1000	2017 National Rank	2017 Control Rank	2016 Total Research x \$1000	2016 National Rank	2016 Control Rank
Public	Arizona State University	484,315	47	30	441,411	49	32
Public	Auburn University	167,352	117	79	149,411	122	82
Public	Augusta University	99,637	149	105	71,338	164	117
Private	Baylor College of Medicine	604,952	35	15	572,527	37	16
Private	Boston University	398,754	58	20	379,117	55	20
Private	Brandeis University	62,745	176	49	56,871	177	48
Private	Brown University	201,253	100	34	235,373	89	30
Private	California Institute of Technology	380,711	60	21	356,204	62	23
Private	Carnegie Mellon University	313,145	73	28	304,383	76	28
Private	Case Western Reserve University	406,196	56	19	403,827	52	18
Public	Clemson University	144,728	128	88	133,342	129	89
Public	Cleveland State University	77,518	165	118	70,665	165	118
Private	Cold Spring Harbor Laboratory	97,288	153	45	88,943	154	46
Public	Colorado State Univ. - Fort Collins	328,221	70	44	323,068	70	43
Private	Columbia University	848,733	19	8	793,710	19	8
Private	Cornell University	591,701	38	16	588,513	34	15
Private	Dartmouth College	277,638	81	30	224,497	94	31
Private	Drexel University	132,507	135	43	120,789	136	43
Private	Duke University	1,113,921	7	3	1,044,046	8	3
Private	Emory University	646,146	32	14	597,971	32	14
Public	Florida International University	146,431	126	86	133,831	128	88
Public	Florida State University	247,319	88	58	243,327	86	57
Public	George Mason University	98,488	152	108	92,649	150	105
Private	George Washington University	226,005	94	31	214,984	96	32
Private	Georgetown University	187,948	104	36	162,734	116	38
Public	Georgia Institute of Technology	785,603	22	13	780,118	20	12
Public	Georgia State University	133,242	134	92	103,731	144	100
Private	Harvard University	1,032,590	12	5	1,011,950	11	5
Private	Icahn School of Med. at Mount Sinai	575,448	39	17	540,296	39	17
Public	Indiana University - Bloomington	507,553	44	27	471,055	45	28
Public	Iowa State University	310,100	75	47	316,822	72	45
Private	Johns Hopkins University	2,556,641	1	1	2,425,199	1	1
Public	Kansas State University	183,513	108	71	181,933	105	71
Public	Louisiana State Univ. - Baton Rouge	258,402	86	56	282,574	79	50
Private	Massachusetts Inst. of Technology	878,964	17	7	880,111	14	6
Private	Medical College of Wisconsin	209,618	99	33	199,925	100	34
Public	Medical University of South Carolina	262,267	84	54	260,098	81	52
Public	Michigan State University	653,611	31	18	573,204	36	21
Public	Mississippi State University	233,024	93	63	229,939	91	61
Public	Montana State University - Bozeman	118,221	142	98	102,179	145	101
Public	Naval Postgraduate School	52,404	189	139	54,558	181	133
Public	New Jersey Institute of Technology	101,334	147	103	95,235	148	104
Public	New Mexico State Univ. - Las Cruces	103,693	146	102	108,935	140	96
Private	New York University	822,329	20	9	751,393	21	9
Public	North Carolina State University	488,974	46	29	479,039	44	27
Private	Northeastern University	134,827	132	42	121,574	135	42
Private	Northwestern University	724,060	29	12	684,767	28	11
Public	Ohio State University - Columbus	804,699	21	12	751,293	22	13
Public	Oklahoma State University - Stillwater	152,605	122	82	150,167	121	81

The Top American Research Universities

2015 Total Research x \$1000	2015 National Rank	2015 Control Rank	2014 Total Research x \$1000	2014 National Rank	2014 Control Rank	2013 Total Research x \$1000	2013 National Rank	2013 Control Rank
403,708	51	34	380,581	55	36	367,277	59	38
132,970	124	84	140,110	122	83	143,545	120	81
67,736	165	117	64,116	172	124	64,033	175	127
520,220	36	15	496,314	38	15	508,799	35	14
372,267	58	21	353,850	60	22	359,312	61	22
68,690	163	48	67,048	167	48	69,398	168	48
286,332	78	28	291,917	76	28	222,945	90	30
350,833	61	22	358,137	59	21	333,548	64	24
241,829	86	30	250,497	82	30	270,898	77	28
400,167	55	19	417,436	49	18	422,041	47	18
120,858	134	93	116,871	136	94	116,138	133	92
56,683	176	128	61,291	174	126	67,137	173	125
84,653	152	46	76,733	162	47	78,236	161	47
308,785	73	47	300,572	73	47	303,461	71	47
826,010	18	7	844,766	13	5	845,847	13	5
637,404	28	11	580,936	32	13	556,288	32	12
203,660	98	33	204,360	97	33	198,995	96	32
122,366	132	41	124,464	132	41	118,754	132	41
1,029,193	6	2	1,031,404	6	2	987,393	7	2
574,472	34	14	551,556	34	14	493,734	36	15
124,631	131	91	107,487	140	97	92,463	147	105
237,427	87	57	231,390	88	58	224,425	88	59
89,845	148	103	85,493	152	108	82,849	155	111
226,132	90	31	213,334	93	32	192,152	99	34
157,308	116	38	162,983	112	36	170,503	109	36
757,116	20	12	720,248	21	13	726,377	20	12
79,813	155	109	80,955	158	113	79,235	159	113
955,246	9	4	875,964	11	4	910,569	10	3
508,353	40	16	463,429	43	17	428,654	45	17
451,508	46	29	172,380	107	72	173,464	107	72
295,635	76	49	297,293	74	48	259,320	79	50
2,299,057	1	1	2,227,536	1	1	2,149,770	1	1
180,082	103	69	178,304	102	68	177,525	104	69
274,001	79	51	282,462	79	50	276,748	74	48
858,917	12	5	815,008	15	6	833,884	15	6
199,283	99	34	199,713	99	34	201,237	95	31
243,534	83	54	242,594	83	53	245,451	81	52
519,994	37	22	492,501	39	24	479,145	40	25
216,817	93	62	200,251	98	65	197,359	98	65
98,467	142	98	104,646	144	100	103,144	140	98
74,293	161	114	91,400	149	105	89,616	150	107
96,386	143	99	94,371	147	103	97,088	142	100
127,000	128	88	129,124	128	88	136,254	122	83
505,071	41	17	490,614	40	16	435,095	43	16
462,347	45	28	440,392	44	27	413,524	49	31
115,664	137	43	111,779	137	43	111,134	138	42
627,320	29	12	621,504	30	12	612,009	29	10
745,238	22	14	752,836	19	11	743,321	18	10
126,607	129	89	126,543	130	90	134,500	125	86

Total Research		2017	2017	2017	2016	2016	2016
Institutions with Over \$40 Million in Federal Research, Alphabetically		Total Research x \$1000	National Rank	Control Rank	Total Research x \$1000	National Rank	Control Rank
Public	Oregon Health & Science University	346,710	68	42	329,414	68	41
Public	Oregon State University	260,893	85	55	252,541	84	55
Public	Penn. State Univ. - Hershey Med. Ctr.	100,851	148	104	105,298	143	99
Public	Pennsylvania State Univ. - Univ. Park	725,832	26	16	704,687	27	17
Private	Princeton University	325,150	71	27	285,733	78	29
Public	Purdue University - West Lafayette	533,598	41	24	517,879	41	24
Private	Rensselaer Polytechnic Institute	96,533	154	46	93,907	149	45
Private	Rice University	163,312	120	40	151,855	119	40
Private	Rockefeller University	348,845	67	26	335,136	67	27
Private	Rush University	74,062	167	48	73,351	162	47
Public	Rutgers University - New Brunswick	633,789	33	19	610,648	31	18
Private	Scripps Research Institute	354,582	64	24	364,670	60	22
Private	Stanford University	1,055,418	10	4	1,012,351	10	4
Public	State Univ. of NY - Polytechnic Inst.	308,843	76	48	316,680	73	46
Public	Stony Brook University	235,430	92	62	227,942	92	62
Public	Temple University	249,156	87	57	232,379	90	60
Public	Texas A&M Univ. - College Station	869,100	18	11	859,952	17	10
Private	Thomas Jefferson University	142,569	129	41	122,396	134	41
Private	Tufts University	216,895	97	32	181,011	106	35
Private	Tulane University	167,338	118	39	153,298	117	39
Public	Uniformed Services Univ. of the HS	298,370	77	49	256,203	82	53
Public	University at Albany	140,392	130	89	105,605	142	98
Public	University at Buffalo	386,386	59	39	373,308	57	37
Public	University of Alabama - Birmingham	553,651	40	23	531,492	40	23
Public	University of Alabama - Huntsville	89,392	157	111	91,549	151	106
Public	University of Alaska - Fairbanks	150,064	123	83	141,976	126	86
Public	University of Arizona	609,965	34	20	592,412	33	19
Public	University of Arkansas - Fayetteville	135,925	131	90	132,648	131	91
Public	Univ. of Arkansas for Med. Sciences	128,508	136	93	125,378	133	93
Public	University of California - Berkeley	724,817	28	17	734,486	24	15
Public	University of California - Davis	726,469	25	15	726,070	26	16
Public	University of California - Irvine	339,309	69	43	325,582	69	42
Public	University of California - Los Angeles	1,037,780	11	7	1,002,013	12	7
Public	University of California - Riverside	159,305	121	81	147,268	123	83
Public	University of California - San Diego	1,126,269	6	4	1,079,429	6	4
Public	Univ. of California - San Francisco	1,409,398	3	2	1,294,261	3	2
Public	Univ. of California - Santa Barbara	225,767	95	64	219,907	95	64
Public	University of California - Santa Cruz	119,990	141	97	146,237	124	84
Public	University of Central Florida	168,630	116	78	187,569	103	69
Private	University of Chicago	419,996	54	18	402,491	53	19
Public	University of Cincinnati - Cincinnati	427,236	53	36	401,701	54	35
Public	University of Colorado - Boulder	474,496	48	31	433,850	50	33
Public	U. of Colorado - Den./Anschutz Med.	472,859	49	32	432,693	51	34
Public	Univ. of Connecticut - Health Center	76,247	166	119	78,897	157	111
Public	University of Connecticut - Storrs	180,929	110	72	179,061	108	73
Private	University of Dayton	127,207	138	44	111,363	138	44
Public	University of Delaware	176,455	112	74	169,384	112	75
Public	University of Florida	766,469	23	14	741,945	23	14
Public	University of Georgia	403,575	57	38	360,520	61	39

The Top American Research Universities

2015 Total Research x \$1000	2015 National Rank	2015 Control Rank	2014 Total Research x \$1000	2014 National Rank	2014 Control Rank	2013 Total Research x \$1000	2013 National Rank	2013 Control Rank
325,268	68	44	313,112	71	46	307,134	70	46
242,874	85	56	229,456	89	59	231,342	86	57
91,381	147	102	82,793	155	110	82,501	156	112
683,003	25	17	702,912	23	15	742,510	19	11
272,379	80	29	287,730	78	29	264,998	78	29
498,887	43	26	502,457	37	23	528,564	34	21
102,122	141	44	104,844	143	44	92,365	148	43
141,935	120	39	136,419	124	40	128,621	129	40
323,932	69	25	316,368	69	25	298,474	72	25
79,048	156	47	80,551	159	46	81,770	158	46
607,257	32	19	627,076	29	18	474,192	41	26
384,161	56	20	386,231	54	19	399,899	53	19
969,643	8	3	912,244	10	3	900,547	11	4
295,313	77	50	412,851	50	32	375,299	56	35
219,485	92	61	210,301	95	63	224,030	89	60
210,371	96	64	206,556	96	64	207,190	94	64
836,250	15	10	735,273	20	12	708,528	24	16
119,631	136	42	118,378	135	42	89,273	151	44
162,510	113	37	156,411	115	38	154,694	116	38
140,118	121	40	148,784	117	39	151,314	117	39
361,173	60	39	262,489	80	51	164,232	111	75
110,284	139	96	129,434	127	87	135,879	123	84
367,133	59	38	370,083	57	37	371,387	57	36
509,586	38	23	421,475	48	31	434,882	44	28
84,745	151	106	85,994	151	107	96,932	143	101
139,605	122	82	152,352	116	78	118,907	131	91
592,874	33	20	575,864	33	20	616,487	28	19
120,679	135	94	111,703	138	95	112,296	137	96
132,451	125	85	131,438	125	85	133,677	126	87
748,139	21	13	708,485	22	14	690,299	25	17
706,087	23	15	699,689	24	16	715,870	23	15
313,798	70	45	322,315	65	41	329,500	66	42
992,009	7	5	920,183	9	7	934,135	9	7
136,493	123	83	128,506	129	89	126,916	130	90
1,093,784	5	4	1,060,207	5	4	1,066,979	4	3
1,126,620	3	2	1,084,031	4	3	1,042,841	5	4
213,537	95	63	225,614	90	60	225,976	87	58
147,518	118	80	147,536	119	80	145,092	118	79
169,770	111	75	143,063	120	81	108,560	139	97
402,777	53	18	378,322	56	20	389,900	54	20
408,412	50	33	399,571	52	34	414,738	48	30
403,654	52	35	362,882	58	38	369,663	58	37
400,515	54	36	401,230	51	33	400,815	52	34
80,891	154	108	105,047	142	99	102,829	141	99
170,730	109	73	142,332	121	82	133,297	127	88
93,319	145	45	83,409	154	45	82,349	157	45
167,904	112	76	169,641	109	74	170,470	110	74
699,750	24	16	652,341	26	17	642,502	27	18
330,273	65	42	313,445	70	45	308,486	69	45

The Top American Research Universities

Total Research							
Institutions with Over \$40 Million in Federal Research, Alphabetically		2017 Total Research x \$1000	2017 National Rank	2017 Control Rank	2016 Total Research x \$1000	2016 National Rank	2016 Control Rank
Public	University of Hawaii - Manoa	288,294	79	50	300,864	77	49
Public	University of Houston - Univ. Park	149,795	124	84	142,081	125	85
Public	University of Idaho	105,475	144	100	99,354	146	102
Public	University of Illinois - Chicago	352,200	65	41	314,365	74	47
Public	Univ. of Illinois - Urbana-Champaign	602,641	36	21	587,264	35	20
Public	University of Iowa	466,462	50	33	447,718	47	30
Public	University of Kansas - Lawrence	164,772	119	80	164,291	115	78
Public	University of Kansas Medical Center	86,368	159	113	77,365	159	113
Public	University of Kentucky	367,934	62	40	340,295	65	40
Public	University of Louisville	168,906	115	77	164,371	114	77
Public	University of Maryland - Baltimore	406,979	55	37	375,130	56	36
Public	Univ. of Maryland - Baltimore County	69,926	171	123	69,404	167	120
Public	University of Maryland - College Park	532,982	42	25	517,173	42	25
Public	Univ. of Massachusetts - Amherst	194,030	102	67	193,863	102	68
Public	Univ. of Mass. Med. Sch. - Worcester	279,884	80	51	253,099	83	54
Private	University of Miami	365,310	63	23	355,690	63	24
Public	University of Michigan - Ann Arbor	1,434,535	2	1	1,357,228	2	1
Public	University of Minnesota - Twin Cities	881,286	16	10	872,514	15	9
Public	University of Missouri - Columbia	242,967	90	60	238,605	87	58
Public	University of Montana - Missoula	84,109	160	114	69,994	166	119
Public	University of Nebraska - Lincoln	270,749	82	52	264,485	80	51
Public	Univ. of Nebraska Medical Center	171,491	114	76	150,694	120	80
Public	University of Nevada - Reno	99,156	150	106	90,673	152	107
Public	Univ. of New Hampshire - Durham	133,592	133	91	136,006	127	87
Public	Univ. of New Mexico - Albuquerque	236,623	91	61	227,591	93	63
Public	Univ. of North Carolina - Chapel Hill	1,061,535	9	6	1,013,128	9	6
Public	University of North Dakota	91,958	156	110	69,145	168	121
Private	University of Notre Dame	184,061	107	37	175,187	110	36
Public	University of Oklahoma - HSC	122,373	139	95	109,493	139	95
Public	University of Oklahoma - Norman	128,254	137	94	130,746	132	92
Public	University of Oregon	72,517	169	121	68,631	170	123
Private	University of Pennsylvania	1,247,686	5	2	1,140,833	5	2
Public	University of Pittsburgh - Pittsburgh	930,198	14	8	880,508	13	8
Public	University of Rhode Island	95,197	155	109	90,562	153	108
Private	University of Rochester	351,924	66	25	344,489	64	25
Public	Univ. of South Carolina - Columbia	180,127	111	73	183,478	104	70
Public	University of South Florida - Tampa	502,216	45	28	447,812	46	29
Private	University of Southern California	725,528	27	11	662,029	29	12
Public	University of Tennessee - Knoxville	269,548	83	53	246,376	85	56
Public	University of Texas - Austin	598,597	37	22	565,708	38	22
Public	University of Texas - El Paso	83,892	161	115	80,981	156	110
Public	University of Texas HSC - Houston	246,060	89	59	237,016	88	59
Public	Univ. of Texas HSC - San Antonio	192,557	103	68	194,885	101	67
Public	U. of Texas MD Anderson Cancer Ctr.	888,029	15	9	852,095	18	11
Public	U. of Texas Med. Branch - Galveston	185,106	105	69	179,541	107	72
Public	U. of Texas SW Medical Ctr. - Dallas	461,797	51	34	442,666	48	31
Public	University of Utah	318,956	72	45	322,670	71	44
Public	University of Vermont	117,433	143	99	115,606	137	94
Public	University of Virginia	431,793	52	35	367,926	58	38

The Top American Research Universities

2015 Total Research x \$1000	2015 National Rank	2015 Control Rank	2014 Total Research x \$1000	2014 National Rank	2014 Control Rank	2013 Total Research x \$1000	2013 National Rank	2013 Control Rank
313,046	71	46	319,818	67	43	326,402	67	43
125,973	130	90	122,163	133	92	112,469	136	95
95,459	144	100	92,512	148	104	93,941	145	103
344,619	63	40	339,644	63	39	358,797	62	40
614,011	31	18	598,531	31	19	721,587	21	13
423,528	48	31	436,852	45	28	423,097	46	29
172,406	106	72	169,884	108	73	179,848	102	67
85,360	150	105	81,302	156	111	87,202	153	109
325,558	67	43	322,313	66	42	332,366	65	41
160,199	115	78	163,199	111	76	160,338	112	76
379,465	57	37	390,682	53	35	412,387	50	32
67,944	164	116	64,329	170	122	62,887	179	131
503,368	42	25	472,235	42	26	487,345	37	22
197,183	100	66	183,210	100	66	172,217	108	73
250,338	82	53	241,869	84	54	245,923	80	51
328,082	66	24	342,852	62	24	338,568	63	23
1,300,340	2	1	1,279,603	2	1	1,304,074	2	1
844,016	14	9	850,880	12	8	834,181	14	9
243,430	84	55	233,613	87	57	232,760	85	56
60,282	170	122	54,808	180	132	59,809	182	134
260,152	81	52	254,879	81	52	245,170	82	53
145,009	119	81	139,126	123	84	137,485	121	82
83,385	153	107	81,028	157	112	85,085	154	110
130,700	126	86	130,951	126	86	134,535	124	85
224,321	91	60	221,817	91	61	220,840	91	61
939,252	10	6	955,601	8	6	942,467	8	6
63,590	169	121	67,199	166	119	68,636	170	122
171,148	108	36	160,461	113	37	156,234	115	37
105,355	140	97	106,782	141	98	91,838	149	106
122,213	133	92	120,322	134	93	129,078	128	89
65,226	168	120	77,655	160	114	78,654	160	114
828,649	17	6	792,314	17	7	790,265	16	7
852,333	13	8	835,838	14	9	846,556	12	8
86,139	149	104	84,393	153	109	94,381	144	102
344,921	62	23	347,161	61	23	382,399	55	21
181,742	102	68	181,363	101	67	178,800	103	68
420,002	49	32	436,578	46	29	410,092	51	33
650,457	27	10	650,506	27	10	610,382	30	11
233,650	89	59	237,642	85	55	243,151	83	54
551,654	35	21	526,173	35	21	572,959	31	20
77,515	158	111	70,475	164	117	73,005	164	117
234,299	88	58	233,737	86	56	233,256	84	55
170,277	110	74	172,716	106	71	175,983	105	70
833,406	16	11	794,980	16	10	718,096	22	14
173,506	105	71	178,014	103	69	180,198	101	66
438,824	47	30	434,627	47	30	440,620	42	27
509,409	39	24	476,017	41	25	486,245	39	24
114,090	138	95	109,343	139	96	115,054	134	93
339,813	64	41	337,732	64	40	366,103	60	39

Total Research		2017	2017	2017	2016	2016	2016
Institutions with Over \$40 Million in Federal Research, Alphabetically		Total Research x \$1000	National Rank	Control Rank	Total Research x \$1000	National Rank	Control Rank
Public	University of Washington - Seattle	1,270,642	4	3	1,197,773	4	3
Public	University of Wisconsin - Madison	1,105,261	8	5	1,051,311	7	5
Public	University of Wyoming	121,927	140	96	108,552	141	97
Public	Utah State University	184,746	106	70	178,830	109	74
Private	Vanderbilt University	681,286	30	13	612,351	30	13
Public	Virginia Commonwealth University	210,827	98	66	202,150	99	66
Public	Virginia Polytechnic Inst. and St. U.	511,340	43	26	512,333	43	26
Private	Wake Forest University	181,876	109	38	169,533	111	37
Public	Washington State Univ. - Pullman	310,607	74	46	307,431	75	48
Private	Washington University in St. Louis	740,005	24	10	726,622	25	10
Public	Wayne State University	220,199	96	65	214,306	97	65
Private	Weill Cornell Medical College	371,465	61	22	367,671	59	21
Public	West Virginia University	175,403	113	75	164,501	113	76
Private	Woods Hole Oceanographic Inst.	194,088	101	35	212,374	98	33
Private	Yale University	930,569	13	6	865,970	16	7
Private	Yeshiva University	292,943	78	29	335,790	66	26

2015 Total Research x \$1000	2015 National Rank	2015 Control Rank	2014 Total Research x \$1000	2014 National Rank	2014 Control Rank	2013 Total Research x \$1000	2013 National Rank	2013 Control Rank
1,101,078	4	3	1,091,135	3	2	1,111,508	3	2
938,366	11	7	984,830	7	5	997,523	6	5
54,928	179	131	48,736	192	143	63,149	177	129
173,848	104	70	167,256	110	75	156,774	114	78
619,866	30	13	659,418	25	9	548,086	33	13
196,412	101	67	177,540	104	70	175,880	106	71
495,502	44	27	502,486	36	22	487,121	38	23
171,538	107	35	176,380	105	35	182,721	100	35
306,989	74	48	287,942	77	49	273,037	75	49
680,150	26	9	646,756	28	11	665,484	26	9
207,830	97	65	213,253	94	62	217,984	92	62
309,015	72	26	293,791	75	27	284,936	73	26
160,560	114	77	156,946	114	77	159,865	113	77
216,592	94	32	220,016	92	31	198,232	97	33
792,953	19	8	764,002	18	8	787,609	17	8
306,174	75	27	306,826	72	26	271,166	76	27

Federal Research		2017	2017	2017	2016	2016	2016
Institutions with Over \$40 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	214,845	58	35	200,280	59	35
Public	Auburn University	54,693	142	98	54,258	141	97
Public	Augusta University	48,921	151	105	50,294	149	103
Private	Baylor College of Medicine	292,806	42	18	267,849	43	19
Private	Boston University	253,828	47	22	250,523	47	22
Private	Brandeis University	44,819	154	48	47,708	154	48
Private	Brown University	141,864	84	32	131,751	84	33
Private	California Institute of Technology	272,323	44	20	260,489	45	21
Private	Carnegie Mellon University	189,974	65	25	190,620	64	26
Private	Case Western Reserve University	325,354	36	16	320,402	35	16
Public	Clemson University	62,920	133	90	52,184	142	98
Public	Cleveland State University	52,317	146	101	49,659	151	105
Private	Cold Spring Harbor Laboratory	54,260	143	45	50,478	147	45
Public	Colorado State Univ. - Fort Collins	232,405	54	31	227,624	52	29
Private	Columbia University	632,994	8	4	585,578	9	4
Private	Cornell University	279,525	43	19	280,461	42	18
Private	Dartmouth College	136,977	87	34	138,641	81	32
Private	Drexel University	69,326	127	43	65,193	131	43
Private	Duke University	622,174	9	5	574,738	11	5
Private	Emory University	381,151	25	13	360,197	26	13
Public	Florida International University	66,351	130	87	68,539	129	87
Public	Florida State University	118,359	94	60	118,294	94	60
Public	George Mason University	52,432	145	100	50,687	144	100
Private	George Washington University	144,567	81	31	138,735	80	31
Private	Georgetown University	93,224	107	38	82,819	115	39
Public	Georgia Institute of Technology	578,107	12	7	567,100	12	7
Public	Georgia State University	54,842	141	97	40,897	161	113
Private	Harvard University	565,269	13	6	549,539	13	6
Private	Icahn School of Med. at Mount Sinai	367,522	28	15	342,104	29	14
Public	Indiana University - Bloomington	241,350	50	27	216,917	55	31
Public	Iowa State University	125,607	91	57	124,242	89	55
Private	Johns Hopkins University	2,173,734	1	1	2,100,097	1	1
Public	Kansas State University	72,321	123	81	67,863	130	88
Public	Louisiana State Univ. - Baton Rouge	80,044	120	78	84,954	113	75
Private	Massachusetts Inst. of Technology	484,597	16	8	501,702	15	7
Private	Medical College of Wisconsin	108,276	98	36	108,529	97	35
Public	Medical University of South Carolina	134,072	88	54	124,212	90	56
Public	Michigan State University	329,533	34	19	294,369	38	22
Public	Mississippi State University	87,435	111	71	86,570	111	74
Public	Montana State University - Bozeman	66,449	129	86	61,490	135	92
Public	Naval Postgraduate School	42,246	158	110	50,560	146	102
Public	New Jersey Institute of Technology	64,840	132	89	63,322	132	89
Public	New Mexico State Univ. - Las Cruces	59,087	136	92	61,494	134	91
Private	New York University	369,947	27	14	332,483	33	15
Public	North Carolina State University	213,544	60	37	197,261	61	37
Private	Northeastern University	90,190	108	39	78,668	120	42
Private	Northwestern University	438,732	22	11	424,638	21	10
Public	Ohio State University - Columbus	427,154	24	12	418,887	22	12
Public	Oklahoma State University - Stillwater	42,331	157	109	41,186	160	112

The Top American Research Universities

2015 Federal Research x \$1000	2015 National Rank	2015 Control Rank	2014 Federal Research x \$1000	2014 National Rank	2014 Control Rank	2013 Federal Research x \$1000	2013 National Rank	2013 Control Rank
186,890	65	40	186,126	65	39	190,066	67	41
47,939	149	102	49,739	149	103	56,809	144	99
50,585	144	98	47,771	151	105	47,913	154	108
256,895	48	22	264,641	47	22	285,230	43	19
256,562	49	23	254,285	48	23	265,476	48	23
46,764	152	48	45,800	153	47	43,963	160	47
127,886	83	33	125,005	84	33	120,977	87	32
269,156	44	20	276,447	42	19	272,223	46	22
187,259	64	25	198,247	61	25	215,560	57	24
307,960	36	16	328,548	29	14	347,628	28	14
45,292	153	105	44,673	155	108	47,825	155	109
41,721	157	109	44,139	156	109	50,002	152	106
49,063	148	47	41,845	158	48	41,002	163	48
213,685	54	31	206,958	56	33	213,355	58	34
577,833	7	4	591,523	8	4	619,557	7	4
277,163	41	18	299,320	36	17	299,951	35	16
145,807	79	31	145,080	76	30	154,917	75	30
67,226	127	43	75,557	122	41	74,047	125	42
558,566	9	5	556,847	10	5	580,416	10	5
346,534	25	13	329,254	27	13	364,136	26	13
67,293	126	84	68,946	126	84	57,858	139	95
133,569	82	50	140,995	79	49	132,583	81	50
54,113	140	95	53,775	143	98	57,154	141	97
135,667	81	32	139,148	82	32	119,441	92	33
87,268	105	36	99,567	103	36	113,703	99	35
548,063	11	6	510,422	14	8	520,754	14	8
36,843	164	115	29,470	182	131	28,216	191	138
530,382	13	6	554,944	11	6	575,868	11	6
329,641	31	14	300,667	35	16	277,517	45	21
206,263	57	34	80,109	117	79	82,005	120	82
113,443	95	61	115,285	91	58	120,934	88	56
1,988,993	1	1	1,936,953	1	1	1,881,959	1	1
66,632	128	85	64,565	129	87	67,524	132	90
82,276	113	75	93,584	105	68	93,281	109	72
486,650	15	7	480,991	16	7	487,647	19	8
109,542	96	35	111,241	98	35	116,765	96	34
117,255	91	57	118,649	90	57	127,472	84	53
256,228	50	27	247,970	49	26	246,131	52	29
79,181	116	77	70,615	125	83	73,834	126	84
62,827	132	89	66,770	128	86	66,451	133	91
71,987	123	81	89,284	109	72	86,538	115	78
50,554	145	99	51,853	146	100	55,017	147	101
78,253	120	80	80,247	116	78	86,546	114	77
326,691	32	15	314,712	31	15	283,382	44	20
196,058	60	37	177,722	70	44	174,440	70	44
78,379	119	40	77,401	120	40	82,587	119	38
385,868	24	12	385,888	24	12	389,757	25	12
406,941	22	12	416,177	21	12	425,547	22	13
38,498	160	112	36,687	163	115	44,200	159	113

Federal Research		2017	2017	2017	2016	2016	2016
Institutions with Over \$40 Million in Federal Research, Alphabetically		Federal Research x \$1000	National Rank	Control Rank	Federal Research x \$1000	National Rank	Control Rank
Public	Oregon Health & Science University	243,495	49	26	230,608	50	27
Public	Oregon State University	157,708	76	49	156,437	74	46
Public	Penn. State Univ. - Hershey Med. Ctr.	51,070	150	104	69,425	127	85
Public	Pennsylvania State Univ. - Univ. Park	477,111	18	10	463,244	18	10
Private	Princeton University	175,485	72	27	161,562	73	28
Public	Purdue University - West Lafayette	224,965	55	32	214,373	56	32
Private	Rensselaer Polytechnic Institute	47,749	153	47	48,887	153	47
Private	Rice University	83,894	117	42	82,643	116	40
Private	Rockefeller University	86,763	112	41	80,667	117	41
Private	Rush University	51,532	148	46	50,332	148	46
Public	Rutgers University - New Brunswick	316,118	37	21	318,123	36	20
Private	Scripps Research Institute	250,090	48	23	242,489	48	23
Private	Stanford University	684,928	4	2	668,578	4	2
Public	State Univ. of NY - Polytechnic Inst.	41,247	161	113	21,380	209	150
Public	Stony Brook University	125,150	92	58	118,296	93	59
Public	Temple University	143,636	82	51	134,132	83	51
Public	Texas A&M Univ. - College Station	294,602	41	24	281,015	41	24
Private	Thomas Jefferson University	62,029	134	44	58,866	136	44
Private	Tufts University	138,004	85	33	124,363	88	34
Private	Tulane University	93,747	106	37	89,028	108	37
Public	Uniformed Services Univ. of the HS	204,241	61	38	175,007	70	44
Public	University at Albany	82,551	119	77	74,092	122	80
Public	University at Buffalo	184,313	68	42	180,095	68	42
Public	University of Alabama - Birmingham	356,303	31	16	346,190	28	15
Public	University of Alabama - Huntsville	68,259	128	85	68,882	128	86
Public	University of Alaska - Fairbanks	95,467	105	69	87,829	110	73
Public	University of Arizona	269,201	45	25	259,443	46	25
Public	University of Arkansas - Fayetteville	42,198	159	111	39,527	162	114
Public	Univ. of Arkansas for Med. Sciences	51,298	149	103	48,999	152	106
Public	University of California - Berkeley	326,548	35	20	338,562	31	17
Public	University of California - Davis	337,995	33	18	334,534	32	18
Public	University of California - Irvine	178,789	71	45	170,674	71	45
Public	University of California - Los Angeles	479,799	17	9	479,718	17	9
Public	University of California - Riverside	75,920	122	80	69,924	125	83
Public	University of California - San Diego	639,643	7	4	602,336	8	5
Public	Univ. of California - San Francisco	606,768	11	6	602,705	7	4
Public	Univ. of California - Santa Barbara	113,173	95	61	114,884	95	61
Public	University of California - Santa Cruz	65,133	131	88	93,651	104	68
Public	University of Central Florida	82,777	118	76	80,365	118	77
Private	University of Chicago	302,361	40	17	293,557	39	17
Public	University of Cincinnati - Cincinnati	239,659	51	28	229,761	51	28
Public	University of Colorado - Boulder	359,462	30	15	360,827	25	13
Public	U. of Colorado - Den./Anschutz Med.	305,473	39	23	289,757	40	23
Public	Univ. of Connecticut - Health Center	42,093	160	112	44,029	156	108
Public	University of Connecticut - Storrs	99,884	104	68	99,926	101	66
Private	University of Dayton	112,584	97	35	97,635	102	36
Public	University of Delaware	113,031	96	62	108,378	98	63
Public	University of Florida	314,187	38	22	297,267	37	21
Public	University of Georgia	153,279	78	50	138,374	82	50

The Top American Research Universities

2015 Federal Research x \$1000	2015 National Rank	2015 Control Rank	2014 Federal Research x \$1000	2014 National Rank	2014 Control Rank	2013 Federal Research x \$1000	2013 National Rank	2013 Control Rank
243,876	52	29	246,050	50	27	244,867	53	30
150,625	77	48	143,815	77	47	148,174	78	48
59,933	135	92	54,404	142	97	55,619	146	100
447,956	19	11	461,896	18	10	500,567	16	9
157,867	75	29	163,805	72	28	156,070	73	29
209,005	56	33	227,857	53	30	258,596	49	26
59,417	136	44	58,940	136	44	60,765	137	44
73,817	122	42	73,782	124	42	79,742	123	40
81,949	114	39	81,820	114	38	80,384	122	39
52,193	142	46	53,501	144	46	57,063	142	45
320,311	35	20	355,116	25	13	288,374	40	22
274,097	42	19	292,268	37	18	308,628	33	15
645,633	4	2	608,342	4	2	625,144	5	2
14,641	233	170	21,208	209	154	25,221	199	146
115,031	93	59	111,386	97	63	118,432	94	61
119,945	89	55	118,892	89	56	124,764	85	54
291,714	38	22	266,877	45	25	270,334	47	25
58,536	137	45	54,676	141	45	56,247	145	46
120,181	88	34	115,046	92	34	112,495	100	36
84,143	109	37	94,287	104	37	97,873	107	37
299,007	37	21	213,389	55	32	119,647	91	59
78,824	118	79	104,861	99	64	113,736	98	64
174,146	70	44	185,144	66	40	200,212	62	37
325,008	33	18	276,112	44	24	286,873	41	23
66,564	130	87	73,913	123	82	83,396	118	81
78,985	117	78	83,483	113	76	92,602	111	74
265,878	46	26	286,595	38	20	334,680	31	17
33,486	170	121	26,014	192	140	30,562	183	131
50,603	143	97	55,556	139	95	64,856	135	92
342,042	26	13	309,305	33	18	305,932	34	19
322,919	34	19	327,697	30	16	344,632	29	15
170,622	72	45	180,431	69	43	196,256	65	40
482,771	16	9	458,157	19	11	489,820	17	10
62,642	133	90	56,327	137	93	57,032	143	98
601,184	5	3	597,270	7	4	630,009	4	3
535,457	12	7	544,697	12	6	566,117	12	6
114,596	94	60	119,816	87	54	131,392	82	51
91,249	104	69	89,206	110	73	88,600	112	75
81,788	115	76	64,323	130	88	68,691	131	89
290,776	39	17	276,237	43	20	294,862	38	18
250,457	51	28	243,705	51	28	256,816	50	27
341,828	27	14	302,877	34	19	309,072	32	18
266,147	45	25	277,209	41	23	290,443	39	21
43,512	155	107	59,277	135	92	59,929	138	94
91,837	103	68	80,317	115	77	86,471	116	79
74,548	121	41	63,881	131	43	66,396	134	43
109,258	97	62	111,933	96	62	114,048	97	63
281,317	40	23	279,920	40	22	285,778	42	24
127,825	84	51	122,145	85	52	127,487	83	52

Federal Research		2017	2017	2017	2016	2016	2016
Institutions with Over \$40 Million in Federal Research, Alphabetically		Federal Research x \$1000	National Rank	Control Rank	Federal Research x \$1000	National Rank	Control Rank
Public	University of Hawaii - Manoa	181,750	69	43	189,683	65	39
Public	University of Houston - Univ. Park	57,263	137	93	58,085	138	94
Public	University of Idaho	48,879	152	106	50,083	150	104
Public	University of Illinois - Chicago	188,730	67	41	175,302	69	43
Public	Univ. of Illinois - Urbana-Champaign	344,657	32	17	320,703	34	19
Public	University of Iowa	236,679	52	29	236,363	49	26
Public	University of Kansas - Lawrence	85,807	113	72	79,916	119	78
Public	University of Kansas Medical Center	40,302	163	115	37,633	165	117
Public	University of Kentucky	168,347	73	46	152,708	77	49
Public	University of Louisville	69,722	126	84	69,781	126	84
Public	University of Maryland - Baltimore	214,270	59	36	200,698	58	34
Public	Univ. of Maryland - Baltimore County	52,008	147	102	50,645	145	101
Public	University of Maryland - College Park	361,269	29	14	354,788	27	14
Public	Univ. of Massachusetts - Amherst	101,992	102	66	97,576	103	67
Public	Univ. of Mass. Med. Sch. - Worcester	200,232	62	39	181,446	67	41
Private	University of Miami	193,549	64	24	194,346	62	25
Public	University of Michigan - Ann Arbor	822,436	3	2	780,080	3	2
Public	University of Minnesota - Twin Cities	448,814	20	11	462,570	19	11
Public	University of Missouri - Columbia	106,804	100	64	105,125	99	64
Public	University of Montana - Missoula	44,465	155	107	38,726	163	115
Public	University of Nebraska - Lincoln	99,956	103	67	93,532	105	69
Public	Univ. of Nebraska Medical Center	84,814	116	75	76,221	121	79
Public	University of Nevada - Reno	53,438	144	99	51,630	143	99
Public	Univ. of New Hampshire - Durham	85,714	114	73	89,457	107	71
Public	Univ. of New Mexico - Albuquerque	159,583	75	48	153,100	76	48
Public	Univ. of North Carolina - Chapel Hill	657,879	5	3	624,131	6	3
Public	University of North Dakota	40,845	162	114	42,253	157	109
Private	University of Notre Dame	90,038	109	40	85,870	112	38
Public	University of Oklahoma - HSC	56,162	140	96	56,107	139	95
Public	University of Oklahoma - Norman	70,348	124	82	72,153	123	81
Public	University of Oregon	57,092	138	94	55,137	140	96
Private	University of Pennsylvania	653,405	6	3	638,336	5	3
Public	University of Pittsburgh - Pittsburgh	612,754	10	5	575,281	10	6
Public	University of Rhode Island	59,623	135	91	58,438	137	93
Private	University of Rochester	267,040	46	21	265,430	44	20
Public	Univ. of South Carolina - Columbia	89,565	110	70	88,231	109	72
Public	University of South Florida - Tampa	234,871	53	30	210,823	57	33
Private	University of Southern California	436,515	23	12	396,197	23	11
Public	University of Tennessee - Knoxville	142,549	83	52	125,528	85	52
Public	University of Texas - Austin	377,389	26	13	340,181	30	16
Public	University of Texas - El Paso	43,759	156	108	41,384	159	111
Public	University of Texas HSC - Houston	124,461	93	59	121,098	92	58
Public	Univ. of Texas HSC - San Antonio	85,455	115	74	89,742	106	70
Public	U. of Texas MD Anderson Cancer Ctr.	166,552	74	47	155,044	75	47
Public	U. of Texas Med. Branch - Galveston	104,458	101	65	100,464	100	65
Public	U. of Texas SW Medical Ctr. - Dallas	200,085	63	40	185,263	66	40
Public	University of Utah	218,405	56	33	224,270	53	30
Public	University of Vermont	78,383	121	79	83,124	114	76
Public	University of Virginia	215,193	57	34	198,760	60	36

The Top American Research Universities

2015 Federal Research x \$1000	2015 National Rank	2015 Control Rank	2014 Federal Research x \$1000	2014 National Rank	2014 Control Rank	2013 Federal Research x \$1000	2013 National Rank	2013 Control Rank
199,818	58	35	202,574	59	35	225,263	55	32
54,516	139	94	55,574	138	94	57,569	140	96
49,591	147	101	49,423	150	104	52,430	149	103
192,930	61	38	201,646	60	36	219,473	56	33
330,479	30	17	336,172	26	14	459,791	20	12
223,730	53	30	234,122	52	29	252,161	51	28
85,862	107	71	88,725	111	74	99,374	105	69
42,512	156	108	42,461	157	110	48,183	153	107
145,097	80	49	140,450	80	50	148,758	77	47
66,100	131	88	63,258	132	89	72,047	128	86
211,773	55	32	220,700	54	31	237,749	54	31
47,591	150	103	46,993	152	106	44,257	158	112
332,079	28	15	328,828	28	15	341,942	30	16
97,206	101	66	102,682	101	66	103,233	104	68
183,588	68	43	183,582	68	42	189,159	68	42
192,691	62	24	202,818	58	24	204,315	61	25
728,712	3	2	733,779	3	2	802,114	3	2
468,482	18	10	483,542	15	9	489,318	18	11
102,852	99	64	102,784	100	65	108,305	101	65
33,617	168	119	30,164	179	129	33,825	171	122
94,763	102	67	93,190	106	69	96,177	108	71
71,918	124	82	76,195	121	81	80,750	121	83
49,977	146	100	50,904	147	101	53,898	148	102
83,106	111	74	89,640	107	70	92,778	110	73
151,619	76	47	151,082	75	46	155,684	74	45
577,574	8	4	601,933	6	3	614,627	8	4
37,457	163	114	40,191	160	112	46,397	156	110
82,615	112	38	79,192	119	39	79,268	124	41
53,398	141	96	55,133	140	96	50,860	151	105
69,520	125	83	53,223	145	99	68,902	130	88
56,448	138	93	62,824	133	90	61,856	136	93
597,791	6	3	606,115	5	3	623,939	6	3
554,658	10	5	565,409	9	5	601,358	9	5
61,085	134	91	61,836	134	91	70,900	129	87
261,023	47	21	265,686	46	21	298,781	36	17
84,723	108	72	87,844	112	75	87,562	113	76
196,215	59	36	205,155	57	34	207,441	60	36
408,105	21	10	421,887	20	9	423,708	23	10
116,928	92	58	122,120	86	53	122,051	86	55
331,388	29	16	313,955	32	17	352,788	27	14
40,334	158	110	34,528	166	118	37,741	165	117
125,890	85	52	136,145	83	51	144,235	80	49
85,940	106	70	89,303	108	71	99,198	106	70
161,171	74	46	158,986	73	45	182,971	69	43
98,050	100	65	101,761	102	67	108,287	102	66
183,787	67	42	185,137	67	41	198,114	63	38
270,311	43	24	284,125	39	21	297,099	37	20
83,733	110	73	79,727	118	80	85,028	117	80
186,676	66	41	192,907	63	38	212,051	59	35

Federal Research		2017	2017	2017	2016	2016	2016
Institutions with Over \$40 Million in Federal Research, Alphabetically		Federal Research x \$1000	National Rank	Control Rank	Federal Research x \$1000	National Rank	Control Rank
Public	University of Washington - Seattle	912,856	2	1	893,050	2	1
Public	University of Wisconsin - Madison	552,983	14	8	548,247	14	8
Public	University of Wyoming	56,178	139	95	63,223	133	90
Public	Utah State University	137,295	86	53	124,981	86	53
Private	Vanderbilt University	442,669	21	10	395,505	24	12
Public	Virginia Commonwealth University	127,341	90	56	124,962	87	54
Public	Virginia Polytechnic Inst. and St. U.	181,379	70	44	190,975	63	38
Private	Wake Forest University	147,746	80	30	140,651	79	30
Public	Washington State Univ. - Pullman	133,308	89	55	122,275	91	57
Private	Washington University in St. Louis	468,637	19	9	436,229	20	9
Public	Wayne State University	106,865	99	63	109,460	96	62
Private	Weill Cornell Medical College	155,830	77	28	147,479	78	29
Public	West Virginia University	70,256	125	83	70,313	124	82
Private	Woods Hole Oceanographic Inst.	148,491	79	29	166,010	72	27
Private	Yale University	531,995	15	7	494,504	16	8
Private	Yeshiva University	189,075	66	26	218,787	54	24

2015 Federal Research x \$1000	2015 National Rank	2015 Control Rank	2014 Federal Research x \$1000	2014 National Rank	2014 Control Rank	2013 Federal Research x \$1000	2013 National Rank	2013 Control Rank
851,573	2	1	849,713	2	1	869,623	2	1
506,910	14	8	522,251	13	7	533,220	13	7
47,232	151	104	39,778	162	114	52,296	150	104
119,811	90	56	114,075	93	59	106,074	103	67
390,701	23	11	408,743	23	11	432,752	21	9
123,665	86	53	119,507	88	55	119,293	93	60
191,080	63	39	198,092	62	37	197,462	64	39
148,084	78	30	153,069	74	29	156,506	72	28
121,627	87	54	112,568	95	61	119,921	90	58
424,723	20	9	410,115	22	10	402,702	24	11
108,221	98	63	112,608	94	60	118,217	95	62
168,103	73	28	139,514	81	31	144,352	79	31
66,608	129	86	67,450	127	85	72,677	127	85
172,995	71	27	177,616	71	27	158,672	71	27
471,381	17	8	475,585	17	8	502,439	15	7
180,791	69	26	186,885	64	26	193,831	66	26

Research by Major Discipline		2017 Total Research by Major Discipline					
Institutions with Over \$40 Million in Federal Research, Alphabetically		Percent Life Science	Percent Physical Science	Percent Enviro Science	Percent Eng Science	Percent Computer Science	Percent Math
Public	Arizona State University	21.9%	5.4%	11.1%	27.9%	3.4%	1.2%
Public	Auburn University	50.9%	5.7%	2.3%	33.9%	1.1%	1.8%
Public	Augusta University	99.7%	0.1%	0.0%	0.0%	0.0%	0.0%
Private	Baylor College of Medicine	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Private	Boston University	66.6%	6.9%	1.7%	16.1%	0.8%	0.9%
Private	Brandeis University	48.0%	17.0%	0.0%	0.0%	1.9%	1.0%
Private	Brown University	52.0%	9.0%	1.8%	12.3%	5.3%	7.2%
Private	California Institute of Technology	20.5%	50.6%	8.7%	16.2%	2.5%	0.4%
Private	Carnegie Mellon University	4.2%	6.0%	0.4%	31.5%	43.7%	3.6%
Private	Case Western Reserve University	85.8%	2.9%	0.2%	9.9%	0.0%	0.2%
Public	Clemson University	37.0%	6.9%	0.0%	45.5%	4.1%	2.2%
Public	Cleveland State University	64.8%	2.3%	0.0%	20.2%	0.0%	2.3%
Private	Cold Spring Harbor Laboratory	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Public	Colorado State University - Fort Collins	40.2%	3.3%	37.2%	12.5%	1.5%	1.0%
Private	Columbia University	71.6%	5.5%	10.0%	8.0%	2.4%	0.5%
Private	Cornell University	51.8%	19.0%	0.9%	14.4%	3.9%	0.5%
Private	Dartmouth College	64.1%	7.2%	1.8%	10.8%	4.4%	2.1%
Private	Drexel University	61.9%	2.0%	0.0%	24.3%	4.6%	0.6%
Private	Duke University	85.3%	1.6%	1.0%	7.2%	0.5%	0.8%
Private	Emory University	94.3%	3.3%	0.2%	0.8%	0.1%	0.3%
Public	Florida International University	31.9%	9.0%	7.4%	19.9%	7.0%	0.8%
Public	Florida State University	19.3%	25.6%	8.0%	20.3%	3.8%	1.9%
Public	George Mason University	18.9%	4.2%	12.4%	11.4%	12.4%	1.9%
Private	George Washington University	71.2%	2.9%	0.4%	7.3%	2.9%	0.6%
Private	Georgetown University	75.5%	3.6%	0.1%	0.0%	1.6%	0.1%
Public	Georgia Institute of Technology	2.9%	4.7%	1.5%	73.7%	14.7%	0.9%
Public	Georgia State University	56.8%	13.5%	0.7%	0.0%	2.2%	1.3%
Private	Harvard University	61.3%	8.2%	3.6%	10.2%	1.3%	2.0%
Private	Icahn School of Medicine at Mount Sinai	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Public	Indiana University - Bloomington	71.8%	6.3%	0.7%	1.2%	5.3%	0.6%
Public	Iowa State University	46.2%	8.9%	1.0%	30.7%	2.5%	5.3%
Private	Johns Hopkins University	37.3%	7.4%	1.4%	42.2%	6.1%	2.3%
Public	Kansas State University	70.8%	5.4%	1.2%	13.6%	1.5%	0.6%
Public	Louisiana State University - Baton Rouge	57.2%	7.5%	11.4%	15.9%	1.3%	0.8%
Private	Massachusetts Institute of Technology	14.8%	14.5%	5.4%	49.2%	8.9%	0.9%
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%
Public	Michigan State University	49.5%	29.4%	0.5%	9.5%	1.7%	1.6%
Public	Mississippi State University	50.8%	3.9%	3.1%	21.4%	3.0%	0.5%
Public	Montana State University - Bozeman	55.8%	10.4%	4.9%	21.7%	0.9%	0.5%
Public	Naval Postgraduate School	1.0%	12.2%	13.4%	35.8%	12.5%	6.1%
Public	New Jersey Institute of Technology	16.3%	12.8%	0.0%	58.9%	8.1%	3.7%
Public	New Mexico State University - Las Cruces	35.3%	30.7%	3.9%	27.0%	1.7%	0.2%
Private	New York University	77.1%	2.5%	0.1%	9.7%	2.5%	1.2%
Public	North Carolina State University	47.9%	3.9%	4.0%	32.4%	2.3%	4.5%
Private	Northeastern University	22.5%	12.2%	3.0%	39.6%	11.7%	0.3%
Private	Northwestern University	71.3%	9.9%	0.3%	11.7%	0.3%	0.3%
Public	Ohio State University - Columbus	62.6%	4.7%	1.1%	22.1%	2.7%	0.8%
Public	Oklahoma State University - Stillwater	46.6%	5.5%	1.9%	25.7%	1.2%	2.3%

			2017 Federal Research by Major Discipline								
Percent Psychology	Percent Social Science	Percent Other Science	Percent Life Science	Percent Physical Science	Percent Enviro Science	Percent Eng Science	Percent Computer Science	Percent Math	Percent Psychology	Percent Social Science	Percent Other Science
3.8%	14.4%	10.8%	27.6%	5.3%	16.9%	27.9%	4.0%	1.8%	5.4%	7.1%	3.9%
0.9%	2.8%	0.6%	39.4%	7.1%	3.7%	42.6%	0.3%	0.6%	1.0%	4.8%	0.5%
0.0%	0.1%	0.0%	99.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%
0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
4.7%	1.3%	1.1%	69.2%	7.4%	1.8%	14.2%	0.8%	1.0%	4.7%	0.4%	0.6%
3.8%	28.2%	0.0%	52.9%	17.9%	0.0%	0.0%	2.2%	0.8%	4.3%	21.9%	0.0%
2.8%	6.0%	3.6%	53.8%	8.5%	1.5%	12.6%	4.8%	8.2%	3.8%	3.1%	3.8%
0.0%	0.0%	1.1%	19.2%	58.5%	8.4%	10.5%	3.0%	0.4%	0.0%	0.0%	0.0%
3.0%	4.4%	3.1%	3.6%	4.9%	0.4%	29.4%	48.4%	2.9%	3.9%	3.0%	3.5%
0.5%	0.6%	0.0%	86.5%	2.7%	0.3%	9.6%	0.0%	0.2%	0.3%	0.5%	0.0%
0.5%	3.9%	0.0%	30.0%	9.6%	0.0%	48.9%	3.3%	2.1%	0.8%	5.2%	0.0%
1.1%	9.3%	0.0%	80.0%	0.2%	0.0%	18.1%	0.0%	0.7%	0.0%	1.0%	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%
1.0%	2.4%	0.9%	34.0%	3.2%	44.6%	12.4%	1.7%	1.3%	1.1%	1.5%	0.0%
0.4%	1.5%	0.0%	68.7%	6.4%	11.2%	9.1%	2.9%	0.6%	0.5%	0.7%	0.0%
2.0%	7.6%	0.0%	37.1%	29.9%	1.5%	18.5%	5.7%	0.8%	1.6%	4.9%	0.0%
2.8%	5.5%	1.4%	72.7%	4.5%	1.2%	15.1%	2.4%	1.1%	2.2%	0.4%	0.5%
3.0%	2.3%	1.2%	56.3%	2.2%	0.0%	29.3%	5.3%	0.8%	3.7%	2.2%	0.1%
0.6%	2.9%	0.0%	80.0%	2.4%	1.3%	10.2%	0.8%	1.2%	0.7%	3.4%	0.0%
0.7%	0.4%	0.0%	94.0%	3.5%	0.3%	0.8%	0.0%	0.3%	0.9%	0.2%	0.0%
14.0%	6.7%	3.4%	32.0%	11.9%	5.3%	23.4%	9.6%	0.1%	16.0%	1.2%	0.4%
9.7%	7.8%	3.6%	17.1%	27.7%	7.7%	26.9%	3.8%	1.6%	11.6%	1.4%	2.3%
3.0%	35.8%	0.0%	22.5%	6.3%	19.4%	16.9%	21.1%	2.4%	4.0%	7.3%	0.0%
1.3%	11.7%	1.9%	76.1%	3.2%	0.4%	7.5%	2.6%	0.4%	1.3%	6.5%	2.1%
1.3%	16.9%	0.9%	85.0%	4.7%	0.0%	0.0%	1.9%	0.1%	1.2%	7.1%	0.0%
1.0%	0.6%	0.0%	2.0%	3.8%	1.4%	73.7%	17.4%	0.5%	0.7%	0.5%	0.0%
6.1%	19.3%	0.1%	59.8%	23.4%	0.6%	0.0%	2.2%	1.3%	6.1%	6.5%	0.0%
0.8%	12.1%	0.4%	66.1%	9.2%	4.2%	11.1%	1.5%	3.1%	0.6%	4.2%	0.0%
0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
3.6%	7.0%	3.5%	72.1%	7.6%	0.7%	1.7%	8.7%	0.7%	4.3%	3.6%	0.6%
1.9%	2.4%	1.0%	43.5%	9.5%	1.1%	31.9%	3.1%	6.7%	1.8%	1.5%	0.9%
0.1%	0.4%	2.7%	29.9%	8.2%	1.5%	47.4%	6.8%	2.7%	0.1%	0.4%	3.0%
2.1%	0.7%	4.1%	65.6%	10.8%	2.4%	12.4%	2.0%	0.7%	3.6%	1.2%	1.3%
0.2%	1.7%	3.9%	59.3%	13.7%	8.7%	12.3%	1.6%	2.0%	0.2%	1.9%	0.4%
0.2%	3.6%	2.4%	15.5%	21.1%	6.7%	45.8%	7.9%	1.1%	0.2%	1.0%	0.6%
0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1.7%	3.6%	2.5%	42.2%	41.9%	0.5%	8.4%	1.6%	1.5%	1.5%	2.2%	0.2%
0.6%	14.9%	1.8%	38.1%	3.8%	5.9%	30.2%	4.2%	0.1%	0.5%	16.2%	1.1%
0.4%	0.5%	5.1%	40.5%	14.9%	6.3%	27.0%	1.2%	0.8%	0.5%	0.6%	8.2%
0.0%	11.7%	7.4%	0.9%	13.4%	14.6%	38.5%	8.7%	5.8%	0.0%	10.8%	7.3%
0.0%	0.0%	0.2%	21.9%	10.7%	0.0%	58.1%	7.0%	2.3%	0.0%	0.0%	0.1%
0.2%	0.2%	0.9%	21.4%	39.9%	4.2%	30.9%	2.6%	0.3%	0.2%	0.1%	0.4%
3.1%	3.8%	0.0%	80.0%	4.1%	0.1%	3.2%	3.3%	1.8%	6.0%	1.4%	0.0%
0.7%	1.4%	2.8%	31.8%	6.3%	6.7%	39.2%	3.8%	5.7%	0.7%	1.1%	4.6%
4.3%	6.3%	0.0%	20.0%	12.0%	2.5%	40.5%	14.6%	0.4%	4.9%	5.2%	0.0%
0.6%	2.3%	3.4%	72.4%	10.6%	0.2%	11.0%	0.2%	0.4%	0.7%	1.6%	2.9%
0.9%	1.6%	3.5%	63.3%	6.9%	1.4%	17.7%	2.4%	1.3%	1.3%	1.8%	4.0%
1.8%	4.8%	10.3%	42.1%	5.7%	1.6%	36.7%	1.3%	1.0%	1.5%	3.1%	7.1%

Research by Major Discipline		2017 Total Research by Major Discipline					
Institutions with Over \$40 Million in Federal Research, Alphabetically		Percent Life Science	Percent Physical Science	Percent Enviro Science	Percent Eng Science	Percent Computer Science	Percent Math
Public	Oregon Health & Science University	91.4%	0.0%	0.3%	4.7%	0.0%	0.0%
Public	Oregon State University	50.2%	1.6%	17.6%	19.6%	3.1%	0.5%
Public	Penn. State University - Hershey Med. Ctr.	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Public	Pennsylvania State University - Univ. Park	22.0%	12.0%	6.1%	43.0%	5.1%	2.3%
Private	Princeton University	22.6%	21.9%	8.0%	21.7%	4.9%	3.2%
Public	Purdue University - West Lafayette	40.1%	6.5%	1.1%	43.3%	4.0%	1.1%
Private	Rensselaer Polytechnic Institute	5.6%	17.1%	1.9%	61.6%	9.4%	1.9%
Private	Rice University	8.3%	19.7%	3.4%	44.9%	7.7%	5.5%
Private	Rockefeller University	94.5%	2.4%	0.3%	0.0%	2.2%	0.5%
Private	Rush University	95.7%	0.0%	0.0%	0.0%	0.0%	0.0%
Public	Rutgers University - New Brunswick	70.4%	5.6%	4.0%	12.0%	1.6%	2.3%
Private	Scripps Research Institute	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Private	Stanford University	70.6%	8.7%	1.5%	11.9%	2.8%	0.6%
Public	State Univ. of New York - Polytechnic Inst.	1.0%	0.0%	0.0%	98.9%	0.0%	0.0%
Public	Stony Brook University	42.3%	14.1%	11.9%	13.8%	4.0%	3.2%
Public	Temple University	81.4%	6.8%	0.5%	2.6%	1.8%	0.6%
Public	Texas A&M University - College Station	40.2%	6.2%	13.3%	33.1%	2.2%	1.0%
Private	Thomas Jefferson University	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Private	Tufts University	80.2%	3.3%	0.1%	9.2%	1.7%	0.7%
Private	Tulane University	82.4%	4.1%	2.0%	4.1%	1.2%	1.1%
Public	Uniformed Services Univ. of the HS	96.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Public	University at Albany	52.7%	4.9%	20.7%	0.9%	3.6%	1.0%
Public	University at Buffalo	62.4%	3.5%	1.1%	24.3%	4.2%	0.2%
Public	University of Alabama - Birmingham	88.8%	1.0%	0.3%	8.6%	0.1%	0.1%
Public	University of Alabama - Huntsville	2.1%	11.7%	15.5%	36.4%	30.4%	0.6%
Public	University of Alaska - Fairbanks	19.1%	9.6%	45.1%	11.7%	1.7%	0.3%
Public	University of Arizona	57.1%	20.7%	4.9%	10.3%	1.6%	0.5%
Public	University of Arkansas - Fayetteville	62.1%	6.1%	2.8%	24.3%	0.5%	0.3%
Public	University of Arkansas for Medical Sciences	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Public	University of California - Berkeley	31.0%	19.7%	1.3%	26.2%	1.4%	0.9%
Public	University of California - Davis	74.5%	3.7%	3.5%	11.8%	0.9%	0.5%
Public	University of California - Irvine	59.4%	11.5%	3.3%	15.6%	4.3%	1.3%
Public	University of California - Los Angeles	73.4%	5.5%	3.4%	7.7%	1.3%	1.0%
Public	University of California - Riverside	51.1%	11.0%	6.0%	18.8%	4.4%	0.9%
Public	University of California - San Diego	59.3%	6.0%	16.6%	11.1%	2.5%	0.5%
Public	University of California - San Francisco	95.5%	4.5%	0.0%	0.0%	0.0%	0.0%
Public	University of California - Santa Barbara	15.7%	25.8%	13.6%	32.6%	5.5%	0.8%
Public	University of California - Santa Cruz	21.2%	23.1%	18.5%	28.1%	2.7%	0.4%
Public	University of Central Florida	14.6%	18.4%	4.4%	33.1%	15.6%	1.6%
Private	University of Chicago	66.7%	13.3%	2.1%	2.9%	6.0%	1.8%
Public	University of Cincinnati - Cincinnati	85.6%	2.0%	0.3%	7.9%	0.4%	0.5%
Public	University of Colorado - Boulder	7.9%	15.7%	27.0%	37.3%	1.9%	0.5%
Public	Univ. of Colorado - Denver/Anschutz Med.	98.1%	0.2%	0.1%	1.1%	0.1%	0.1%
Public	University of Connecticut - Health Center	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Public	University of Connecticut - Storrs	46.4%	8.5%	5.1%	22.0%	2.4%	1.0%
Private	University of Dayton	0.4%	1.5%	0.1%	96.2%	1.4%	0.0%
Public	University of Delaware	35.3%	13.3%	12.0%	22.8%	2.9%	1.2%
Public	University of Florida	76.9%	3.7%	2.0%	12.8%	1.6%	0.2%
Public	University of Georgia	70.7%	2.8%	6.0%	3.7%	1.4%	2.0%

			2017 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
1.6%	0.0%	2.0%	91.9%	0.0%	0.4%	3.6%	0.0%	0.0%	2.1%	0.0%	2.1%
0.5%	2.2%	4.7%	38.9%	1.9%	24.4%	21.1%	3.9%	0.4%	0.7%	2.0%	6.8%
0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
3.7%	5.7%	0.1%	17.4%	10.9%	5.8%	49.0%	6.4%	2.5%	4.0%	3.9%	0.0%
2.7%	15.0%	0.0%	24.5%	25.6%	9.6%	26.9%	5.4%	2.9%	2.2%	2.8%	0.0%
1.2%	2.3%	0.4%	31.7%	8.6%	1.4%	47.0%	6.0%	1.8%	1.8%	1.7%	0.0%
2.0%	0.4%	0.0%	5.9%	11.9%	2.1%	61.5%	11.9%	2.7%	3.7%	0.4%	0.0%
2.5%	7.4%	0.7%	9.2%	21.3%	3.5%	43.1%	12.8%	4.9%	3.6%	1.3%	0.4%
0.0%	0.0%	0.0%	94.2%	4.8%	0.5%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%
4.3%	0.0%	0.0%	94.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.0%	0.0%	0.0%
0.9%	2.1%	1.1%	69.5%	6.3%	3.7%	12.1%	2.4%	3.5%	0.9%	1.4%	0.2%
0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1.7%	2.2%	0.0%	70.3%	10.3%	1.1%	12.7%	2.6%	0.8%	1.3%	1.0%	0.0%
0.0%	0.0%	0.0%	6.5%	0.0%	0.0%	93.4%	0.0%	0.0%	0.0%	0.0%	0.0%
1.9%	1.0%	7.8%	44.8%	16.8%	10.8%	12.5%	5.3%	3.6%	2.7%	0.4%	3.1%
4.5%	1.1%	0.6%	78.5%	8.0%	0.3%	2.4%	2.2%	0.6%	6.1%	1.2%	0.7%
0.4%	3.0%	0.6%	36.2%	6.1%	29.2%	21.1%	2.5%	2.0%	0.4%	2.4%	0.2%
0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
0.7%	4.0%	0.0%	80.3%	4.5%	0.1%	10.0%	2.4%	1.0%	1.0%	0.6%	0.0%
0.9%	4.3%	0.0%	86.3%	4.7%	1.6%	3.4%	1.3%	1.1%	0.8%	0.7%	0.0%
3.9%	0.0%	0.0%	96.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.0%	0.0%	0.0%
3.0%	13.1%	0.0%	64.5%	1.9%	25.3%	0.0%	1.2%	0.2%	0.7%	6.3%	0.0%
1.0%	2.2%	1.0%	57.3%	4.4%	1.5%	29.4%	4.6%	0.3%	1.4%	1.1%	0.0%
1.0%	0.1%	0.0%	86.7%	1.2%	0.2%	10.3%	0.1%	0.1%	1.4%	0.0%	0.0%
0.1%	3.2%	0.0%	0.4%	11.1%	14.6%	33.1%	37.4%	0.1%	0.0%	3.4%	0.0%
0.6%	1.0%	10.8%	18.1%	9.5%	54.1%	5.4%	0.6%	0.5%	0.9%	1.0%	9.9%
0.4%	3.3%	1.2%	51.9%	24.8%	5.2%	11.0%	2.6%	0.6%	0.5%	2.3%	1.0%
1.0%	3.0%	0.0%	46.8%	8.9%	5.6%	33.7%	0.3%	0.7%	1.9%	2.1%	0.0%
0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1.9%	7.3%	10.2%	33.1%	27.8%	2.0%	22.6%	0.1%	1.5%	2.1%	2.0%	8.7%
0.3%	3.7%	1.1%	76.4%	4.8%	2.3%	10.2%	1.4%	1.0%	0.4%	3.5%	0.0%
1.3%	3.1%	0.0%	58.0%	13.8%	4.8%	14.9%	4.6%	1.6%	1.0%	1.3%	0.0%
1.7%	4.0%	2.0%	68.5%	8.1%	4.7%	9.3%	1.6%	1.9%	2.3%	1.6%	2.0%
3.2%	3.1%	1.4%	38.0%	19.2%	6.8%	21.0%	6.4%	1.3%	5.0%	1.6%	0.6%
1.6%	1.4%	1.1%	59.2%	7.3%	16.9%	10.5%	2.3%	0.6%	2.1%	0.9%	0.2%
0.0%	0.0%	0.0%	94.0%	6.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
2.8%	2.8%	0.4%	14.6%	30.3%	11.2%	32.1%	6.2%	1.3%	3.0%	1.2%	0.0%
0.7%	4.1%	1.2%	25.1%	19.4%	17.1%	32.9%	2.4%	0.5%	0.5%	1.5%	0.5%
2.0%	8.6%	1.8%	11.9%	26.6%	4.1%	28.4%	20.0%	0.7%	2.1%	6.3%	0.0%
2.0%	5.4%	0.0%	64.4%	15.2%	2.4%	3.5%	7.7%	2.1%	2.1%	2.7%	0.0%
0.7%	2.4%	0.2%	91.2%	2.1%	0.2%	4.6%	0.0%	0.4%	0.6%	0.8%	0.0%
2.3%	3.5%	3.9%	8.6%	18.9%	35.1%	23.7%	2.3%	0.7%	2.8%	3.1%	4.9%
0.1%	0.2%	0.0%	98.4%	0.3%	0.1%	0.8%	0.1%	0.2%	0.1%	0.1%	0.0%
0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
9.7%	3.8%	1.1%	48.8%	6.9%	5.3%	22.3%	3.0%	1.0%	9.4%	3.2%	0.0%
0.1%	0.1%	0.2%	0.3%	1.4%	0.0%	97.5%	0.7%	0.0%	0.0%	0.0%	0.0%
2.6%	9.4%	0.6%	29.0%	16.9%	11.9%	28.1%	3.6%	1.5%	3.1%	5.6%	0.3%
1.1%	1.8%	0.0%	71.2%	4.7%	2.8%	15.9%	2.5%	0.2%	1.5%	1.2%	0.0%
4.8%	5.4%	3.2%	74.2%	3.1%	5.3%	3.5%	1.3%	2.1%	6.5%	3.8%	0.2%

Research by Major Discipline		2017 Total Research by Major Discipline					
Institutions with Over \$40 Million in Federal Research, Alphabetically		Percent Life Science	Percent Physical Science	Percent Enviro Science	Percent Eng Science	Percent Computer Science	Percent Math
Public	University of Hawaii - Manoa	42.3%	8.7%	31.5%	7.6%	4.9%	0.1%
Public	University of Houston - University Park	21.1%	20.5%	4.1%	36.4%	3.6%	1.5%
Public	University of Idaho	63.6%	2.9%	5.0%	16.0%	1.9%	0.7%
Public	University of Illinois - Chicago	78.7%	3.8%	0.2%	6.7%	3.6%	1.3%
Public	University of Illinois - Urbana-Champaign	33.2%	10.9%	1.0%	32.0%	17.0%	0.9%
Public	University of Iowa	78.9%	4.6%	0.5%	11.6%	0.5%	0.2%
Public	University of Kansas - Lawrence	61.6%	7.4%	7.8%	10.8%	2.6%	0.9%
Public	University of Kansas Medical Center	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Public	University of Kentucky	74.9%	2.0%	0.7%	12.3%	0.8%	0.2%
Public	University of Louisville	85.8%	1.0%	0.1%	10.4%	0.1%	0.1%
Public	University of Maryland - Baltimore	98.2%	0.0%	0.4%	1.4%	0.0%	0.0%
Public	University of Maryland - Baltimore County	5.0%	20.0%	32.7%	20.1%	3.7%	1.5%
Public	University of Maryland - College Park	23.3%	19.4%	9.0%	24.6%	8.6%	1.3%
Public	University of Massachusetts - Amherst	38.3%	11.5%	2.0%	27.7%	10.9%	1.2%
Public	Univ. of Mass. Med. Sch. - Worcester	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Private	University of Miami	74.2%	2.1%	17.3%	1.6%	0.4%	0.2%
Public	University of Michigan - Ann Arbor	57.6%	4.2%	1.0%	19.9%	0.7%	1.4%
Public	University of Minnesota - Twin Cities	69.0%	4.4%	1.6%	14.1%	2.4%	0.8%
Public	University of Missouri - Columbia	74.6%	2.9%	0.6%	16.8%	0.7%	0.8%
Public	University of Montana - Missoula	68.0%	6.0%	3.6%	0.0%	0.3%	0.4%
Public	University of Nebraska - Lincoln	56.2%	8.9%	1.6%	18.1%	3.4%	2.1%
Public	University of Nebraska Medical Center	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Public	University of Nevada - Reno	54.5%	6.7%	12.0%	17.1%	4.2%	0.7%
Public	University of New Hampshire - Durham	34.9%	1.7%	38.6%	16.5%	1.4%	0.2%
Public	University of New Mexico - Albuquerque	63.3%	3.7%	3.5%	15.2%	2.3%	0.3%
Public	University of North Carolina - Chapel Hill	75.2%	3.2%	1.9%	2.8%	1.4%	0.4%
Public	University of North Dakota	34.3%	6.6%	6.3%	47.3%	1.3%	0.4%
Private	University of Notre Dame	15.4%	22.4%	0.0%	40.8%	6.3%	2.4%
Public	University of Oklahoma - HSC	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Public	University of Oklahoma - Norman	18.4%	9.4%	37.1%	19.4%	2.1%	0.2%
Public	University of Oregon	46.5%	18.7%	4.4%	0.0%	6.9%	1.3%
Private	University of Pennsylvania	81.9%	3.7%	0.2%	5.2%	1.6%	0.6%
Public	University of Pittsburgh - Pittsburgh	84.8%	3.5%	1.4%	4.7%	1.0%	0.4%
Public	University of Rhode Island	23.3%	4.0%	51.7%	8.0%	0.7%	0.0%
Private	University of Rochester	66.1%	25.4%	0.8%	3.0%	0.8%	0.1%
Public	University of South Carolina - Columbia	55.2%	7.2%	1.9%	17.2%	1.2%	1.1%
Public	University of South Florida - Tampa	69.6%	2.4%	5.4%	9.3%	1.4%	0.5%
Private	University of Southern California	65.0%	2.2%	2.2%	9.5%	15.0%	0.2%
Public	University of Tennessee - Knoxville	28.3%	8.2%	1.8%	44.1%	5.8%	0.5%
Public	University of Texas - Austin	15.8%	12.7%	10.7%	40.0%	13.7%	2.0%
Public	University of Texas - El Paso	32.9%	9.2%	3.5%	33.0%	7.0%	0.9%
Public	University of Texas HSC - Houston	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Public	University of Texas HSC - San Antonio	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Public	Univ. of Texas MD Anderson Cancer Ctr.	92.9%	1.4%	0.0%	0.0%	0.0%	2.6%
Public	Univ. of Texas Medical Branch - Galveston	99.3%	0.0%	0.0%	0.7%	0.0%	0.0%
Public	Univ. of Texas SW Medical Center - Dallas	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Public	University of Utah	71.9%	8.1%	3.7%	12.5%	0.0%	1.0%
Public	University of Vermont	81.9%	1.8%	0.1%	7.4%	1.6%	0.5%
Public	University of Virginia	69.8%	8.0%	1.4%	11.2%	1.9%	0.3%

The Top American Research Universities

			2017 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
0.1%	1.0%	3.8%	35.8%	9.1%	33.4%	9.2%	7.5%	0.1%	0.1%	0.5%	4.2%
9.3%	3.4%	0.0%	25.0%	10.7%	3.2%	33.7%	5.5%	3.0%	15.4%	3.4%	0.0%
0.1%	2.0%	7.9%	54.6%	4.0%	5.3%	16.1%	2.7%	1.4%	0.1%	2.2%	13.5%
1.3%	2.5%	2.0%	81.2%	4.8%	0.2%	6.3%	3.9%	1.2%	1.3%	0.9%	0.3%
2.7%	1.4%	0.9%	24.5%	13.3%	1.6%	35.6%	20.6%	1.1%	2.5%	0.7%	0.1%
1.6%	1.4%	0.6%	77.8%	7.7%	0.4%	9.8%	0.7%	0.2%	2.5%	0.8%	0.0%
4.3%	3.6%	1.1%	52.5%	12.0%	8.4%	12.8%	2.7%	1.5%	4.8%	3.6%	1.6%
0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1.2%	0.4%	7.3%	71.6%	3.3%	0.6%	14.2%	1.1%	0.4%	2.0%	0.4%	6.4%
0.9%	0.6%	1.0%	87.9%	1.5%	0.2%	8.5%	0.3%	0.2%	0.9%	0.5%	0.0%
0.0%	0.0%	0.0%	98.8%	0.0%	0.2%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1.7%	13.0%	2.4%	4.7%	23.3%	30.4%	20.2%	3.6%	1.7%	1.3%	11.9%	2.9%
1.9%	10.6%	1.3%	20.9%	22.5%	12.0%	20.4%	9.3%	1.2%	2.4%	9.3%	2.0%
3.2%	2.7%	2.4%	33.8%	13.7%	2.5%	26.7%	14.7%	1.6%	3.6%	1.4%	1.9%
0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
4.0%	0.2%	0.0%	69.9%	2.7%	20.6%	1.7%	0.4%	0.3%	4.5%	0.0%	0.0%
1.5%	13.3%	0.2%	56.9%	4.7%	0.9%	22.0%	0.5%	0.9%	1.1%	13.0%	0.2%
3.6%	4.1%	0.0%	64.4%	6.2%	1.7%	14.2%	2.5%	1.2%	5.3%	4.4%	0.0%
2.3%	1.2%	0.0%	76.9%	5.6%	1.2%	8.7%	1.5%	1.6%	4.2%	0.2%	0.0%
0.1%	21.6%	0.0%	80.2%	5.7%	3.6%	0.0%	0.5%	0.5%	0.2%	9.2%	0.0%
3.5%	3.6%	2.6%	46.5%	16.3%	2.5%	18.5%	4.4%	1.9%	4.2%	3.8%	1.8%
0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
3.0%	1.0%	1.0%	53.0%	8.1%	12.5%	15.2%	4.8%	0.2%	4.7%	1.4%	0.2%
0.9%	5.6%	0.1%	32.0%	1.9%	47.2%	11.9%	0.8%	0.2%	1.2%	4.9%	0.0%
3.7%	4.3%	3.6%	62.2%	4.9%	4.6%	17.1%	2.6%	0.4%	3.9%	2.6%	1.7%
4.9%	10.2%	0.0%	71.8%	3.3%	2.0%	2.7%	1.8%	0.5%	4.7%	13.1%	0.0%
1.8%	1.6%	0.5%	34.4%	5.0%	9.7%	49.1%	1.0%	0.0%	0.8%	0.1%	0.0%
3.0%	4.2%	5.5%	13.0%	29.5%	0.0%	41.8%	6.8%	2.7%	3.5%	1.6%	1.0%
0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
0.9%	12.5%	0.0%	15.0%	13.4%	38.3%	17.6%	2.4%	0.4%	1.4%	11.6%	0.0%
17.3%	4.9%	0.0%	49.7%	15.6%	4.3%	0.0%	6.3%	1.5%	18.5%	4.0%	0.0%
1.7%	3.9%	1.2%	82.8%	5.0%	0.2%	5.5%	2.0%	0.4%	1.8%	2.3%	0.0%
2.3%	0.6%	1.4%	85.3%	2.8%	1.5%	4.4%	0.9%	0.3%	3.1%	0.5%	1.1%
1.6%	2.7%	7.9%	29.6%	4.5%	49.2%	7.3%	1.2%	0.0%	1.1%	1.5%	5.7%
2.0%	0.1%	1.7%	60.2%	31.6%	0.8%	2.7%	0.9%	0.1%	2.2%	0.1%	1.4%
4.5%	11.1%	0.8%	57.7%	8.3%	2.0%	18.0%	1.8%	1.6%	7.3%	1.7%	1.5%
3.1%	7.9%	0.4%	67.1%	2.8%	4.8%	10.4%	1.2%	0.4%	4.3%	8.8%	0.2%
1.2%	4.7%	0.0%	57.7%	2.3%	2.8%	9.1%	22.5%	0.2%	1.3%	4.1%	0.0%
0.6%	2.6%	8.2%	21.3%	11.1%	1.7%	45.1%	7.7%	0.8%	0.6%	1.8%	9.9%
1.6%	3.1%	0.3%	15.0%	12.9%	7.6%	39.2%	19.4%	1.2%	2.1%	2.4%	0.1%
3.9%	6.1%	3.7%	29.7%	10.9%	3.4%	33.4%	11.7%	0.5%	3.3%	5.4%	1.7%
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%
2.0%	1.0%	0.0%	88.1%	3.3%	0.0%	0.0%	0.0%	4.4%	2.9%	1.2%	0.0%
0.0%	0.0%	0.0%	99.3%	0.0%	0.0%	0.7%	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%
1.5%	1.3%	0.0%	69.4%	9.6%	2.6%	14.0%	0.0%	1.3%	1.4%	1.7%	0.0%
1.1%	0.9%	4.7%	79.5%	1.2%	0.2%	9.0%	1.1%	0.5%	1.3%	1.1%	6.0%
3.2%	2.7%	1.6%	64.9%	11.0%	1.5%	14.0%	3.1%	0.5%	3.6%	1.0%	0.6%

Research by Major Discipline		2017 Total Research by Major Discipline					
Institutions with Over \$40 Million in Federal Research, Alphabetically		Percent Life Science	Percent Physical Science	Percent Enviro Science	Percent Eng Science	Percent Computer Science	Percent Math
Public	University of Washington - Seattle	70.2%	4.4%	9.3%	10.7%	2.3%	0.5%
Public	University of Wisconsin - Madison	64.0%	6.4%	4.7%	13.5%	1.8%	0.5%
Public	University of Wyoming	38.4%	2.4%	8.9%	32.7%	0.8%	7.8%
Public	Utah State University	31.3%	2.6%	0.8%	60.5%	1.1%	0.3%
Private	Vanderbilt University	79.7%	4.6%	0.5%	12.3%	0.0%	0.3%
Public	Virginia Commonwealth University	79.3%	1.4%	0.6%	11.0%	0.4%	0.5%
Public	Virginia Polytechnic Inst. and State Univ.	38.9%	3.6%	0.9%	44.4%	6.5%	2.0%
Private	Wake Forest University	98.5%	1.2%	0.0%	0.0%	0.1%	0.1%
Public	Washington State University - Pullman	60.2%	11.6%	3.5%	16.2%	2.0%	0.3%
Private	Washington University in St. Louis	90.9%	2.9%	0.9%	3.3%	0.6%	0.1%
Public	Wayne State University	79.9%	6.7%	0.1%	7.6%	0.8%	0.5%
Private	Weill Cornell Medical College	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Public	West Virginia University	62.7%	6.9%	4.3%	21.0%	1.1%	0.5%
Private	Woods Hole Oceanographic Institution	0.0%	0.0%	68.4%	31.6%	0.0%	0.0%
Private	Yale University	85.6%	6.6%	0.7%	3.3%	1.2%	0.3%
Private	Yeshiva University	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%

			2017 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
0.8%	1.7%	0.0%	69.3%	5.2%	10.6%	10.7%	1.4%	0.7%	0.9%	1.2%	0.0%
0.9%	3.9%	4.2%	55.2%	9.3%	6.9%	15.9%	2.6%	0.7%	1.1%	3.5%	4.8%
0.0%	8.1%	0.8%	50.8%	5.1%	18.0%	14.8%	1.2%	4.5%	0.0%	5.5%	0.0%
2.8%	0.5%	0.2%	20.5%	2.0%	0.8%	73.5%	0.9%	0.2%	1.7%	0.4%	0.0%
2.1%	0.6%	0.0%	83.7%	3.6%	0.4%	10.1%	0.0%	0.2%	1.6%	0.4%	0.0%
5.6%	1.2%	0.0%	82.9%	1.8%	0.6%	5.4%	0.6%	0.5%	7.8%	0.4%	0.0%
0.9%	2.9%	0.1%	34.3%	4.6%	1.3%	46.6%	5.7%	2.9%	1.3%	3.2%	0.2%
0.1%	0.1%	0.0%	98.3%	1.4%	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.0%
1.4%	4.1%	0.5%	62.2%	11.7%	4.0%	14.4%	2.5%	0.3%	1.3%	3.0%	0.6%
0.8%	0.1%	0.3%	88.5%	3.5%	1.3%	4.5%	0.8%	0.1%	0.8%	0.1%	0.3%
1.7%	1.3%	1.4%	82.7%	7.4%	0.2%	5.7%	0.9%	0.9%	2.2%	0.1%	0.0%
0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
1.2%	2.0%	0.3%	50.1%	10.8%	5.9%	26.5%	2.3%	0.8%	2.1%	1.4%	0.2%
0.0%	0.0%	0.0%	0.0%	0.0%	64.8%	35.2%	0.0%	0.0%	0.0%	0.0%	0.0%
1.3%	1.0%	0.0%	85.6%	6.8%	0.7%	3.7%	1.1%	0.3%	1.4%	0.5%	0.0%
0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Endowment Assets		2018	2018	2018	2017	2017	2017
Institutions with Over \$40 Million in Federal Research, Alphabetically		Endowment Assets x \$1000	National Rank	Control Rank	Endowment Assets x \$1000	National Rank	Control Rank
Public	Arizona State University	720,565	146	54	665,488	147	53
Public	Auburn University	767,361	135	49	738,018	132	48
Public	Augusta University	239,446	301	120	227,565	300	119
Private	Baylor College of Medicine	1,272,276	83	52	1,166,562	80	52
Private	Boston University	2,161,596	47	31	1,957,021	48	31
Private	Brandeis University	1,046,386	99	60	976,887	98	60
Private	Brown University	3,603,848	30	21	3,245,531	30	21
Private	California Institute of Technology	2,879,494	35	22	2,606,505	34	22
Private	Carnegie Mellon University	2,385,986	41	26	2,154,099	43	28
Private	Case Western Reserve University	1,842,899	57	38	1,798,790	54	35
Public	Clemson University	741,802	141	52	682,736	142	52
Public	Cleveland State University	83,970	624	221	76,400	634	224
Private	Cold Spring Harbor Laboratory						
Public	Colorado State Univ. - Fort Collins	355,923	238	94	330,200	239	94
Private	Columbia University	10,869,245	11	8	9,996,596	11	8
Private	Cornell University	5,632,397	19	15	5,298,076	19	15
Private	Dartmouth College	5,494,204	21	17	4,956,494	21	17
Private	Drexel University	779,692	131	84	707,650	140	89
Private	Duke University	8,524,846	13	10	7,911,175	13	10
Private	Emory University	7,292,165	16	13	6,905,465	16	13
Public	Florida International University	209,237	335	132	196,281	334	131
Public	Florida State University	681,370	156	57	639,371	157	57
Public	George Mason University	91,758	583	207	77,692	622	220
Private	George Washington University	1,798,810	59	39	1,729,147	57	38
Private	Georgetown University	1,769,557	60	40	1,661,745	59	40
Public	Georgia Institute of Technology	2,089,440	50	17	1,985,802	47	17
Public	Georgia State University	167,114	404	152	155,303	407	154
Private	Harvard University	38,298,087	1	1	36,021,516	1	1
Private	Icahn School of Med. at Mount Sinai	748,174	139	89	675,121	145	93
Public	Indiana University - Bloomington	1,154,032	90	36	1,081,730	89	35
Public	Iowa State University	1,062,682	98	39	838,871	117	45
Private	Johns Hopkins University	4,190,520	28	20	3,844,918	28	20
Public	Kansas State University	472,700	203	84	450,462	200	80
Public	Louisiana State Univ. - Baton Rouge	499,341	198	80	457,333	197	78
Private	Massachusetts Inst. of Technology	16,529,432	5	5	14,967,983	5	5
Private	Medical College of Wisconsin	930,961	115	69	875,817	108	67
Public	Medical University of South Carolina	371,301	231	92	342,052	231	91
Public	Michigan State University	3,275,887	33	12	3,036,532	32	11
Public	Mississippi State University	506,138	196	78	472,000	195	77
Public	Montana State University - Bozeman	178,156	383	147	165,708	386	147
Public	Naval Postgraduate School				5,692	1395	606
Public	New Jersey Institute of Technology	120,068	486	173	111,434	485	174
Public	New Mexico State Univ. - Las Cruces	175,633	385	148	167,496	382	146
Private	New York University	4,262,116	26	19	3,992,000	26	19
Public	North Carolina State University	1,293,743	81	30	1,122,899	85	31
Private	Northeastern University	831,129	125	78	778,948	127	80
Private	Northwestern University	11,087,659	10	7	10,436,692	10	7
Public	Ohio State University - Columbus	5,211,434	22	5	4,253,459	24	7
Public	Oklahoma State University - Stillwater	642,900	162	59	586,600	163	60

The Top American Research Universities

2016 Endowment Assets x \$1000	2016 National Rank	2016 Control Rank	2015 Endowment Assets x \$1000	2015 National Rank	2015 Control Rank	2014 Endowment Assets x \$1000	2014 National Rank	2014 Control Rank
612,590	148	53	643,188	143	51	625,833	143	51
646,624	141	51	641,993	144	52	621,106	147	55
212,447	290	119	210,595	297	120	212,697	293	119
1,063,678	81	52	1,095,326	80	53	1,021,458	84	56
1,654,531	52	34	1,644,117	53	36	1,616,004	53	35
866,778	100	61	915,087	93	58	861,152	99	63
2,963,366	30	21	3,073,349	31	21	2,999,749	30	21
2,217,372	37	23	2,198,887	39	25	2,093,842	41	27
1,708,618	49	32	1,739,474	52	35	1,599,900	54	36
1,662,739	51	33	1,775,999	51	34	1,758,570	49	33
621,294	146	52	648,611	141	50	623,262	146	54
72,700	612	218	74,900	571	201	72,300	576	202
286,348	246	98	281,355	252	99	284,495	242	97
9,041,027	11	8	9,639,065	11	8	9,223,047	11	8
4,524,419	20	16	4,760,560	19	15	4,646,134	19	15
4,474,404	21	17	4,663,491	21	17	4,468,219	21	17
650,252	139	89	668,386	138	90	660,150	136	87
6,839,780	15	12	7,296,545	14	11	7,036,776	14	11
6,401,650	16	13	6,684,305	16	13	6,681,479	15	12
174,061	340	135	178,750	340	133	176,500	339	133
584,529	153	56	605,275	150	56	624,557	145	53
71,566	622	220	72,245	587	208	69,554	595	214
1,570,278	56	38	1,616,357	56	37	1,576,508	56	38
1,483,502	61	41	1,528,869	60	39	1,461,276	62	41
1,843,764	46	17	1,858,977	46	16	1,889,014	45	16
140,677	402	152	135,418	402	153	133,296	404	151
34,541,893	1	1	36,448,817	1	1	35,883,891	1	1
659,261	137	88	717,372	128	82	691,221	131	84
991,134	89	33	960,625	90	33	961,054	89	31
760,461	115	44	786,205	113	43	777,018	112	43
3,381,281	28	20	3,412,617	28	20	3,451,947	26	19
475,617	179	71	488,936	173	68	473,987	171	67
416,717	196	80	427,852	195	79	425,417	187	74
13,433,036	5	5	13,474,743	5	5	12,425,131	5	5
748,862	118	72	778,315	115	72	748,637	122	75
312,002	231	92	322,644	227	91	312,580	227	91
2,585,841	33	12	2,672,822	34	13	2,548,913	34	13
444,485	191	77	449,106	184	75	456,610	177	70
138,207	407	154	142,661	395	150	141,066	388	148
5,184	1390	605	5,086	1137	481	5,182	1020	418
98,006	496	177	99,257	477	172	98,117	472	171
152,317	372	145	221,005	286	117	222,581	283	114
3,487,702	27	19	3,576,180	26	19	3,422,227	27	20
998,600	87	32	983,979	88	32	885,055	93	34
693,025	128	81	729,400	124	79	713,200	127	80
9,648,497	10	7	10,193,037	7	6	9,778,112	8	6
3,578,562	25	7	3,633,887	24	6	3,547,566	24	6
545,500	160	59	581,400	153	58	579,400	152	58

Endowment Assets		2018	2018	2018	2017	2017	2017
Institutions with Over \$40 Million in Federal Research, Alphabetically		Endowment Assets x \$1000	National Rank	Control Rank	Endowment Assets x \$1000	National Rank	Control Rank
Public	Oregon Health & Science University	745,744	140	51	655,992	152	56
Public	Oregon State University	595,763	169	64	549,448	170	65
Public	Penn. State Univ. - Hershey Med. Ctr.	550,797	185	74	498,497	187	73
Public	Pennsylvania State Univ. - Univ. Park	2,340,887	43	16	2,118,610	45	16
Private	Princeton University	25,917,199	4	4	23,812,241	4	4
Public	Purdue University - West Lafayette	2,523,770	38	15	2,424,872	38	15
Private	Rensselaer Polytechnic Institute	718,199	148	94	677,231	144	92
Private	Rice University	6,277,506	18	14	5,814,444	18	14
Private	Rockefeller University	2,194,245	45	29	2,049,395	46	30
Private	Rush University	602,792	168	105	595,869	161	102
Public	Rutgers University - New Brunswick	1,094,224	95	38	985,463	97	38
Private	Scripps Research Institute						
Private	Stanford University	26,464,912	3	3	24,784,943	3	3
Public	State Univ. of NY - Polytechnic Inst.	6,954	1398	609	6,684	1376	590
Public	Stony Brook University	305,017	267	106	290,031	262	102
Public	Temple University	642,326	163	60	581,960	164	61
Public	Texas A&M Univ. - College Station	12,792,244	8	2	10,908,003	9	3
Private	Thomas Jefferson University	264,065	286	170	539,088	174	107
Private	Tufts University	1,845,956	56	37	1,738,706	56	37
Private	Tulane University	1,384,371	72	46	1,288,374	71	46
Public	Uniformed Services Univ. of the HS						
Public	University at Albany	71,701	685	249	65,342	688	250
Public	University at Buffalo	725,000	145	53	659,156	150	55
Public	University of Alabama - Birmingham	504,530	197	79	475,558	194	76
Public	University of Alabama - Huntsville	78,545	649	234	75,244	640	226
Public	University of Alaska - Fairbanks	211,456	332	130	187,163	346	135
Public	University of Arizona	959,632	112	45	843,529	115	44
Public	University of Arkansas - Fayetteville	1,185,715	87	33	996,019	95	36
Public	Univ. of Arkansas for Med. Sciences	37,553	938	349	34,830	941	346
Public	University of California - Berkeley	4,730,836	23	6	4,271,453	23	6
Public	University of California - Davis	1,416,342	69	24	1,107,701	86	32
Public	University of California - Irvine	972,185	110	44	869,491	110	43
Public	University of California - Los Angeles	4,608,029	25	7	4,356,826	22	5
Public	University of California - Riverside	250,220	294	118	226,990	301	120
Public	University of California - San Diego	1,625,687	65	22	1,339,164	69	24
Public	Univ. of California - San Francisco	3,212,862	34	13	2,545,101	35	13
Public	Univ. of California - Santa Barbara	210,152	334	131	322,419	245	97
Public	University of California - Santa Cruz	203,032	347	137	191,185	340	133
Public	University of Central Florida	163,462	407	154	156,863	405	152
Private	University of Chicago	7,928,485	14	11	7,523,720	14	11
Public	University of Cincinnati - Cincinnati	1,367,000	73	27	1,282,824	73	27
Public	University of Colorado - Boulder	655,576	159	58	596,407	160	59
Public	U. of Colorado - Den./Anschutz Med.	564,690	180	70	493,142	190	74
Public	Univ. of Connecticut - Health Center	113,146	505	180	105,934	503	179
Public	University of Connecticut - Storrs	334,071	249	99	315,960	249	99
Private	University of Dayton	568,374	179	110	525,221	177	109
Public	University of Delaware	1,413,197	70	25	1,364,057	68	23
Public	University of Florida	1,734,661	61	21	1,612,003	61	21
Public	University of Georgia	1,274,343	82	31	1,151,904	81	29

The Top American Research Universities

2016 Endowment Assets x \$1000	2016 National Rank	2016 Control Rank	2015 Endowment Assets x \$1000	2015 National Rank	2015 Control Rank	2014 Endowment Assets x \$1000	2014 National Rank	2014 Control Rank
570,485	156	58	571,341	154	59	522,384	161	61
492,543	173	67	505,369	169	66	511,427	163	63
449,943	186	75	436,288	191	76	381,158	206	85
1,912,254	44	16	1,854,222	47	17	1,739,032	51	17
22,152,580	4	4	22,723,473	3	3	20,995,518	4	4
2,254,541	35	13	2,397,902	35	14	2,443,494	35	14
634,916	143	92	676,546	137	89	659,035	137	88
5,324,289	18	14	5,557,479	18	14	5,527,693	18	14
1,887,407	45	29	1,987,027	44	29	1,985,942	44	29
538,823	161	102	555,610	157	98	554,269	153	95
865,867	101	40	710,802	129	47	763,561	116	45
22,398,130	3	3	22,222,957	4	4	21,446,006	3	3
5,225	1389	604	6,383	1123	468	3,723	1025	423
262,191	263	103	247,397	274	108	214,446	288	116
494,187	172	66	386,230	207	85	374,758	210	86
9,944,936	8	2	9,856,983	10	3	10,540,226	7	2
500,943	169	105	437,750	189	114	375,697	208	123
1,562,968	57	39	1,593,019	57	38	1,590,045	55	37
1,150,687	74	48	1,220,464	68	45	1,183,924	70	46
59,273	691	250	54,810	679	246	49,522	687	250
600,961	151	54	619,296	148	54	624,791	144	52
431,459	193	79	388,405	206	84	406,098	195	80
71,053	627	223	65,978	623	226	70,419	591	212
198,196	306	122	189,476	323	129	194,276	318	127
754,651	117	46	767,940	117	44	760,679	117	46
898,908	97	37	948,679	92	35	929,693	91	33
31,733	943	349	32,632	846	311	32,764	804	300
3,845,281	23	6	4,045,451	23	5	3,913,416	23	5
965,805	90	34	1,013,936	86	30	946,302	90	32
498,171	170	65	512,904	167	64	387,157	204	84
3,849,133	22	5	3,493,903	27	8	3,226,030	28	8
191,420	318	126	185,335	331	131	179,669	337	131
1,176,581	70	25	951,367	91	34	752,079	120	47
2,112,014	39	15	2,124,970	41	15	1,993,470	43	15
274,371	252	100	265,930	260	104	257,987	264	103
162,211	358	142	164,331	360	141	152,855	365	144
146,416	385	148	150,627	378	146	154,595	362	143
7,001,204	14	11	7,549,710	13	10	7,545,544	13	10
1,165,522	71	26	1,195,899	71	25	1,183,922	71	25
583,190	154	57	598,355	152	57	510,646	165	64
479,474	177	70	491,942	172	67	419,832	188	75
83,260	553	195	103,450	462	169	103,885	454	165
275,335	251	99	279,699	255	102	280,876	247	99
473,122	180	109	500,407	170	104	510,107	166	102
1,261,790	66	22	1,341,373	65	22	1,310,133	64	22
1,461,347	63	21	1,555,703	58	20	1,519,522	57	19
1,016,732	84	30	1,004,987	87	31	975,890	87	30

Endowment Assets		2018	2018	2018	2017	2017	2017
Institutions with Over \$40 Million in Federal Research, Alphabetically		Endowment Assets x \$1000	National Rank	Control Rank	Endowment Assets x \$1000	National Rank	Control Rank
Public	University of Hawaii - Manoa	321,040	254	101	307,777	253	100
Public	University of Houston - Univ. Park	641,843	164	61	453,268	199	79
Public	University of Idaho	280,997	275	110	265,087	273	109
Public	University of Illinois - Chicago	350,744	240	95	321,559	246	98
Public	Univ. of Illinois - Urbana-Champaign	1,800,156	58	20	1,659,338	60	20
Public	University of Iowa	1,500,456	68	23	1,397,658	67	22
Public	University of Kansas - Lawrence	1,342,128	76	29	1,248,665	76	28
Public	University of Kansas Medical Center	398,635	219	88	363,672	222	88
Public	University of Kentucky	1,361,246	74	28	1,285,114	72	26
Public	University of Louisville	712,295	150	55	719,001	137	51
Public	University of Maryland - Baltimore	313,244	260	102	289,659	264	103
Public	Univ. of Maryland - Baltimore County	96,845	568	200	87,532	569	200
Public	University of Maryland - College Park	605,540	167	63	518,808	179	70
Public	Univ. of Massachusetts - Amherst	346,953	243	96	323,759	244	96
Public	Univ. of Mass. Med. Sch. - Worcester	22,396	1123	442	204,717	326	127
Private	University of Miami	1,021,508	101	61	948,579	103	62
Public	University of Michigan - Ann Arbor	11,901,760	9	3	10,936,014	8	2
Public	University of Minnesota - Twin Cities	3,717,476	29	9	3,493,641	29	9
Public	University of Missouri - Columbia	1,005,121	104	41	970,162	100	40
Public	University of Montana - Missoula	189,510	364	141	186,285	348	137
Public	University of Nebraska - Lincoln	978,745	108	43	958,039	102	41
Public	University of Nebraska Medical Ctr.	279,641	278	111	254,949	281	112
Public	University of Nevada - Reno	358,433	237	93	338,894	236	93
Public	Univ. of New Hampshire - Durham	389,492	224	89	363,202	223	89
Public	Univ. of New Mexico - Albuquerque	452,527	207	86	423,496	207	85
Public	Univ. of North Carolina - Chapel Hill	3,432,911	31	10	3,027,227	33	12
Public	University of North Dakota	278,583	279	112	265,616	272	108
Private	University of Notre Dame	10,727,653	12	9	9,352,376	12	9
Public	University of Oklahoma - HSC	570,988	176	68	541,406	171	66
Public	University of Oklahoma - Norman	1,164,539	89	35	1,104,778	87	33
Public	University of Oregon	912,512	117	47	828,459	119	46
Private	University of Pennsylvania	13,777,441	6	6	12,213,202	6	6
Public	University of Pittsburgh - Pittsburgh	4,200,206	27	8	3,945,687	27	8
Public	University of Rhode Island	139,578	447	162	128,520	455	165
Private	University of Rochester	2,177,868	46	30	2,121,390	44	29
Public	Univ. of South Carolina - Columbia	761,784	137	50	724,535	136	50
Public	University of South Florida - Tampa	480,427	202	83	442,033	203	82
Private	University of Southern California	5,549,556	20	16	5,130,520	20	16
Public	University of Tennessee - Knoxville	709,776	151	56	659,489	149	54
Public	University of Texas - Austin	13,750,233	7	1	11,867,843	7	1
Public	University of Texas - El Paso	262,396	287	117	241,666	285	116
Public	University of Texas HSC - Houston	528,594	190	77	385,822	216	87
Public	Univ. of Texas HSC - San Antonio	592,869	172	66	550,950	169	64
Public	U. of Texas MD Anderson Cancer Ctr.	1,393,379	71	26	1,317,622	70	25
Public	U. of Texas Med. Branch - Galveston	573,320	175	67	539,846	172	67
Public	U. of Texas SW Medical Ctr. - Dallas	1,990,654	52	18	1,819,970	53	19
Public	University of Utah	1,186,952	86	32	1,127,686	84	30
Public	University of Vermont	554,985	182	71	521,867	178	69
Public	University of Virginia	6,856,309	17	4	6,393,561	17	4

The Top American Research Universities

2016 Endowment Assets x \$1000	2016 National Rank	2016 Control Rank	2015 Endowment Assets x \$1000	2015 National Rank	2015 Control Rank	2014 Endowment Assets x \$1000	2014 National Rank	2014 Control Rank
271,180	256	101	280,210	254	101	272,280	255	101
665,001	134	49	707,437	130	48	683,950	132	48
237,528	278	109	239,603	276	109	240,980	272	108
287,188	244	97	302,121	239	97	299,522	235	94
1,489,991	60	20	1,530,658	59	21	1,488,828	59	21
1,259,309	67	23	1,263,043	67	23	1,251,356	65	23
1,150,623	75	27	1,170,313	73	26	1,147,213	76	26
345,852	218	87	330,089	224	89	323,573	222	89
1,117,852	78	28	1,142,722	77	27	1,136,833	78	27
715,689	124	47	844,288	103	39	876,825	94	35
254,733	266	105	256,008	269	105	250,194	269	106
78,101	586	203	75,752	568	199	73,012	572	201
466,075	184	73	482,628	174	69	471,391	172	68
287,213	243	96	303,984	238	96	307,098	232	93
183,435	328	130	194,251	319	127	211,880	295	120
844,643	102	62	887,329	96	60	865,435	98	62
9,743,461	9	3	9,952,113	9	2	9,731,460	9	3
3,280,681	29	9	3,297,460	29	9	3,176,456	29	9
869,566	99	39	857,471	100	38	804,003	106	40
167,307	350	138	172,756	347	137	176,935	338	132
869,874	98	38	906,156	94	36	1,005,716	86	29
223,753	285	115	226,077	282	114	232,088	277	110
302,698	238	94	306,587	235	94	295,334	237	95
330,131	223	90	346,926	217	87	333,203	220	88
393,240	202	83	403,670	203	82	412,772	192	79
2,889,679	31	10	2,988,806	32	11	2,695,663	33	12
230,461	282	113	230,600	279	112	226,800	281	113
8,374,083	12	9	8,566,952	12	9	8,039,756	12	9
516,920	167	63	456,907	180	73	448,040	180	72
1,003,434	85	31	1,066,117	82	28	1,045,426	82	28
758,692	116	45	719,111	127	46	627,004	142	50
10,715,364	7	6	10,133,569	8	7	9,582,335	10	7
3,524,904	26	8	3,588,775	25	7	3,492,839	25	7
124,629	434	160	131,655	409	154	132,234	406	152
1,927,573	43	28	2,050,199	43	28	2,015,283	42	28
655,469	138	50	625,186	147	53	596,379	148	56
395,324	201	82	417,415	197	81	417,335	189	76
4,608,717	19	15	4,709,511	20	16	4,593,014	20	16
597,475	152	55	608,873	149	55	854,073	101	37
10,935,781	6	1	10,507,795	6	1	11,340,760	6	1
218,880	288	117	217,286	290	118	221,019	286	115
336,086	222	89	306,094	236	95	256,097	267	104
486,652	174	68	476,632	176	71	485,459	170	66
1,212,099	69	24	1,200,742	70	24	1,236,742	67	24
533,972	164	61	531,562	164	62	549,315	155	59
1,684,130	50	18	1,620,501	55	19	1,661,474	52	18
1,071,926	80	29	1,023,004	85	29	844,761	103	38
467,702	182	72	453,653	182	74	394,454	202	82
5,852,309	17	4	6,180,515	17	4	5,945,952	17	4

Endowment Assets							
Institutions with Over \$40 Million in Federal Research, Alphabetically		2018 Endowment Assets x \$1000	2018 National Rank	2018 Control Rank	2017 Endowment Assets x \$1000	2017 National Rank	2017 Control Rank
Public	University of Washington - Seattle	2,764,166	36	14	2,529,250	36	14
Public	University of Wisconsin - Madison	3,365,989	32	11	3,101,888	31	10
Public	University of Wyoming	550,909	184	73	500,299	186	72
Public	Utah State University	375,424	230	91	358,965	225	90
Private	Vanderbilt University	4,608,461	24	18	4,136,465	25	18
Public	Virginia Commonwealth University	1,951,337	54	19	1,843,001	52	18
Public	Virginia Polytechnic Inst. and St. U.	1,146,055	91	37	995,807	96	37
Private	Wake Forest University	1,339,003	77	48	1,205,323	78	50
Public	Washington State Univ. - Pullman	1,024,380	100	40	974,029	99	39
Private	Washington University in St. Louis	7,594,159	15	12	7,130,514	15	12
Public	Wayne State University	376,467	228	90	339,467	235	92
Private	Weill Cornell Medical College	1,597,894	67	45	1,459,674	65	44
Public	West Virginia University	593,085	171	65	566,426	167	62
Private	Woods Hole Oceanographic Inst.						
Private	Yale University	29,351,100	2	2	27,176,100	2	2
Private	Yeshiva University	647,619	160	102	657,569	151	96

2016 Endowment Assets x \$1000	2016 National Rank	2016 Control Rank	2015 Endowment Assets x \$1000	2015 National Rank	2015 Control Rank	2014 Endowment Assets x \$1000	2014 National Rank	2014 Control Rank
2,237,511	36	14	3,076,226	30	10	2,832,753	31	10
2,739,728	32	11	2,792,622	33	12	2,699,253	32	11
458,486	185	74	481,469	175	70	455,105	178	71
325,287	226	91	314,668	231	92	282,465	245	98
3,795,586	24	18	4,133,542	22	18	4,086,040	22	18
1,559,874	58	19	1,638,147	54	18	1,509,431	58	20
842,991	103	41	817,759	106	41	796,437	109	42
1,141,211	77	50	1,167,400	75	49	1,148,026	75	50
907,828	96	36	885,777	97	37	868,091	96	36
7,056,593	13	10	6,818,748	15	12	6,643,379	16	13
301,470	240	95	307,569	234	93	311,337	228	92
1,233,303	68	45	1,276,986	66	44	1,243,814	66	43
511,384	168	64	533,599	163	61	533,627	159	60
25,408,600	2	2	25,572,100	2	2	23,894,800	2	2
625,931	144	93	680,327	136	88	1,094,558	79	52

Annual Giving		2018	2018	2018	2017	2017	2017
Institutions with Over \$40 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	206,024	40	20	179,604	42	20
Public	Auburn University	120,435	73	45	104,418	81	51
Public	Augusta University	13,159	383	185	13,483	356	179
Private	Baylor College of Medicine	57,654	128	51	70,927	114	43
Private	Boston University	158,458	55	24	157,478	50	23
Private	Brandeis University	57,869	127	50	99,260	84	32
Private	Brown University	233,812	37	20	241,987	32	17
Private	California Institute of Technology	236,010	35	19	235,882	34	18
Private	Carnegie Mellon University	145,694	63	26	155,209	51	24
Private	Case Western Reserve University	113,012	79	31	113,767	74	29
Public	Clemson University	103,855	87	55	85,795	101	62
Public	Cleveland State University	16,910	312	161	14,959	333	170
Private	Cold Spring Harbor Laboratory						
Public	Colorado State Univ. - Fort Collins	79,063	106	65	60,531	128	79
Private	Columbia University	1,009,762	3	3	603,077	8	8
Private	Cornell University	410,909	19	13	621,155	7	7
Private	Dartmouth College	272,619	31	16	216,825	38	21
Private	Drexel University	86,782	98	39	68,965	116	45
Private	Duke University	516,890	12	9	581,051	10	10
Private	Emory University	252,223	33	18	218,501	37	20
Public	Florida International University	34,639	197	112	37,504	177	102
Public	Florida State University	82,281	103	62	77,268	112	70
Public	George Mason University	68,556	120	74	66,474	119	73
Private	George Washington University	76,683	112	43	95,034	93	37
Private	Georgetown University	153,404	56	25	143,251	58	25
Public	Georgia Institute of Technology	140,439	64	38	119,142	72	44
Public	Georgia State University	36,273	183	105	32,908	189	108
Private	Harvard University	1,418,702	1	1	1,283,740	1	1
Private	Icahn School of Med. at Mount Sinai	124,788	70	27	98,578	87	33
Public	Indiana University - Bloomington	243,443	34	16	276,434	27	11
Public	Iowa State University	168,921	51	28	175,453	46	24
Private	Johns Hopkins University	723,599	6	4	636,911	5	5
Public	Kansas State University	106,979	85	54	84,883	104	64
Public	Louisiana State Univ. - Baton Rouge	110,268	81	50	121,572	67	39
Private	Massachusetts Inst. of Technology	469,933	16	12	672,939	3	3
Private	Medical College of Wisconsin	17,039	310	151	38,743	169	71
Public	Medical University of South Carolina	61,089	123	77	47,569	145	89
Public	Michigan State University	180,918	45	25	199,928	39	18
Public	Mississippi State University	80,588	104	63	89,521	97	60
Public	Montana State University - Bozeman	29,266	217	119	89,511	98	61
Public	Naval Postgraduate School						
Public	New Jersey Institute of Technology	11,811	413	197	11,725	394	193
Public	New Mexico State Univ. - Las Cruces	17,309	308	159	16,826	302	155
Private	New York University	502,407	14	11	567,121	11	11
Public	North Carolina State University	165,054	53	30	147,125	56	32
Private	Northeastern University	48,254	146	59	125,342	63	27
Private	Northwestern University	397,113	20	14	344,299	20	14
Public	Ohio State University - Columbus	436,974	17	5	401,850	19	6
Public	Oklahoma State University - Stillwater	85,240	100	60	98,640	86	54

The Top American Research Universities

2016 Annual Giving x \$1000	2016 National Rank	2016 Control Rank	2015 Annual Giving x \$1000	2015 National Rank	2015 Control Rank	2014 Annual Giving x \$1000	2014 National Rank	2014 Control Rank
140,417	60	34	130,775	61	32	99,212	78	44
118,477	70	42	106,353	82	48	86,579	88	50
11,544	375	185	12,151	348	164	61,007	123	76
77,605	100	38	61,656	119	44	84,211	93	39
156,941	50	23	140,393	56	26	132,583	55	27
57,593	130	48	60,196	120	45	56,905	126	49
207,725	34	19	187,754	37	21	201,731	33	20
182,869	41	21	161,929	47	23	113,370	71	33
155,302	51	24	139,563	57	27	137,573	50	24
158,323	48	22	132,826	58	28	124,509	62	30
90,623	91	57	81,861	103	63	61,721	121	75
11,802	370	182	17,732	266	130	14,179	309	156
42,798	155	92	41,342	154	92	143,239	47	24
584,809	6	5	552,682	6	5	469,969	9	7
427,089	15	11	434,465	17	14	341,851	19	13
227,038	32	18	218,832	32	19	254,944	27	17
60,905	122	44	88,916	95	38	89,966	86	38
506,441	10	8	472,008	11	9	437,382	12	9
192,700	38	20	228,034	31	18	268,926	26	16
27,820	202	113	23,312	212	110	21,459	226	121
75,413	103	65	68,634	112	70	55,725	128	78
67,940	113	73	53,164	128	80	48,467	139	83
101,391	77	32	248,030	28	16	98,515	79	35
153,384	52	25	172,452	43	22	134,685	52	25
129,304	64	38	119,118	73	42	141,888	48	25
25,164	215	117	16,074	290	146	19,476	243	127
1,187,530	1	1	1,045,872	2	2	1,155,610	1	1
120,327	68	28	109,733	78	33	150,420	45	23
195,908	37	18	211,471	34	15	190,593	35	15
90,148	93	58	105,512	83	49	64,854	116	71
657,293	4	4	582,675	5	4	614,606	5	5
96,626	86	52	98,094	88	53	156,335	42	20
147,998	55	30	130,763	62	33	110,644	73	40
419,752	16	12	439,404	16	13	375,031	18	12
19,028	267	132	20,907	230	112	16,704	270	131
44,310	154	91	31,498	178	103	38,853	156	90
176,131	43	22	131,499	60	31	117,566	65	34
69,763	108	68	56,857	125	78	66,002	114	70
21,161	249	130	13,299	331	161	12,185	337	165
			8,821	443	199	8,918	420	195
16,539	306	155	16,568	282	142	13,928	313	157
461,150	12	9	439,662	15	12	455,718	10	8
129,948	63	37	119,150	72	41	117,535	66	35
56,292	134	51	59,857	122	46	39,543	154	65
401,679	17	13	536,831	8	7	616,351	4	4
386,112	18	5	359,798	21	6	332,627	20	7
98,781	82	49	77,009	104	64	76,101	105	63

Annual Giving		2018	2018	2018	2017	2017	2017
Institutions with Over \$40 Million in Federal Research, Alphabetically		Annual Giving x \$1000	National Rank	Control Rank	Annual Giving x \$1000	National Rank	Control Rank
Public	Oregon Health & Science University	148,906	58	33	175,675	45	23
Public	Oregon State University	109,726	82	51	92,755	94	57
Public	Penn. State Univ. - Hershey Med. Ctr.	53,311	139	84	34,781	184	105
Public	Pennsylvania State Univ. - Univ. Park	205,747	41	21	148,864	55	31
Private	Princeton University	269,924	32	17	303,394	24	15
Public	Purdue University - West Lafayette	192,303	44	24	152,638	53	29
Private	Rensselaer Polytechnic Institute	45,185	152	61	46,571	148	59
Private	Rice University	114,496	77	29	98,158	88	34
Private	Rockefeller University	70,811	117	45	18,357	278	136
Private	Rush University	16,534	318	154	6,375	554	312
Public	Rutgers University - New Brunswick	159,477	54	31	113,555	75	46
Private	Scripps Research Institute						
Private	Stanford University	1,097,061	2	2	1,129,330	2	2
Public	State Univ. of NY - Polytechnic Inst.	342	933	478	1,028	927	432
Public	Stony Brook University	52,223	142	85	53,224	135	84
Public	Temple University	76,685	111	69	67,339	118	72
Public	Texas A&M Univ. - College Station	305,657	26	11	290,458	25	10
Private	Thomas Jefferson University	56,281	133	53	52,137	140	53
Private	Tufts University	70,564	118	46	103,248	82	31
Private	Tulane University	103,705	88	33	86,033	100	39
Public	Uniformed Services Univ. of the HS						
Public	University at Albany	9,161	473	215	11,409	401	195
Public	University at Buffalo	55,829	135	82	36,919	179	104
Public	University of Alabama - Birmingham	78,934	107	66	81,250	108	67
Public	University of Alabama - Huntsville	2,851	761	335	2,884	785	337
Public	University of Alaska - Fairbanks	35,317	189	108	24,561	234	121
Public	University of Arizona	277,938	28	13	219,929	36	17
Public	University of Arkansas - Fayetteville	221,916	39	19	83,555	105	65
Public	Univ. of Arkansas for Med. Sciences	19,908	268	139	20,958	256	132
Public	University of California - Berkeley	419,366	18	6	404,588	18	5
Public	University of California - Davis	172,062	49	26	163,088	49	27
Public	University of California - Irvine	203,370	42	22	97,056	92	56
Public	University of California - Los Angeles	786,651	4	1	550,934	13	2
Public	University of California - Riverside	23,011	249	133	25,586	227	117
Public	University of California - San Diego	280,002	27	12	240,076	33	16
Public	Univ. of California - San Francisco	730,268	5	2	422,172	17	4
Public	Univ. of California - Santa Barbara	92,563	96	59	145,824	57	33
Public	University of California - Santa Cruz	38,038	178	102	38,313	172	99
Public	University of Central Florida	39,060	169	99	33,043	188	107
Private	University of Chicago	576,038	11	8	483,470	14	12
Public	University of Cincinnati - Cincinnati	120,086	74	46	106,272	77	48
Public	University of Colorado - Boulder	148,257	60	35	134,126	62	36
Public	U. of Colorado - Den./Anschutz Med.	167,184	52	29	178,660	43	21
Public	Univ. of Connecticut - Health Center	5,218	620	266	4,748	636	267
Public	University of Connecticut - Storrs	49,705	144	86	52,458	137	86
Private	University of Dayton	34,768	195	85	37,840	174	74
Public	University of Delaware	48,165	147	88	43,001	156	92
Public	University of Florida	339,867	25	10	267,350	29	13
Public	University of Georgia	170,352	50	27	163,545	48	26

The Top American Research Universities

2016 Annual Giving x \$1000	2016 National Rank	2016 Control Rank	2015 Annual Giving x \$1000	2015 National Rank	2015 Control Rank	2014 Annual Giving x \$1000	2014 National Rank	2014 Control Rank
156,961	49	27	141,018	55	30	153,281	43	21
97,101	85	51	99,318	87	52	97,217	81	46
35,472	173	99	35,023	171	100	38,772	157	91
147,570	56	31	155,658	50	26	172,319	39	18
267,876	27	16	549,840	7	6	240,931	29	18
151,217	53	28	172,219	44	22	129,490	59	30
37,798	167	72	38,364	164	68	53,230	133	53
102,977	76	31	122,186	67	30	104,113	76	34
67,659	115	41	18,562	262	133	13,457	321	163
3,070	727	424	3,689	681	402	3,960	659	390
118,493	69	41	127,846	63	34	105,811	74	41
951,149	2	2	1,625,036	1	1	928,458	2	2
	978	499	549	920	446	501	934	455
76,704	101	63	86,687	98	59	78,655	102	60
62,254	119	77	58,792	124	77	60,787	124	77
276,475	25	11	255,179	26	11	317,549	22	8
56,821	133	50	38,809	162	67	29,305	188	82
60,405	124	45	62,131	118	43	69,847	107	43
98,919	81	33	88,422	96	39	78,768	100	42
9,122	432	200	9,439	419	191	9,948	391	182
36,219	170	97	30,565	184	105	33,300	172	100
88,043	95	59	76,612	106	65	80,004	97	57
2,297	792	342	2,032	803	348	3,329	701	291
27,865	201	112	26,959	195	107	20,328	233	123
186,870	40	20	190,184	36	16	186,192	37	16
76,693	102	64	97,619	90	54	101,022	77	43
24,655	220	119	16,815	273	134	25,062	201	111
348,865	20	6	366,116	20	5	389,935	17	6
129,224	65	39	185,840	38	17	133,393	54	28
73,657	106	67	66,617	114	72	97,241	80	45
498,800	11	3	473,205	10	2	430,276	15	5
24,369	224	120	16,985	272	133	22,692	214	116
206,873	35	16	171,059	46	24	150,446	44	22
595,940	5	1	608,580	4	1	444,938	11	3
101,177	78	46	63,413	116	74	67,505	110	67
69,052	112	72	24,831	202	109	40,855	151	89
22,427	237	128	32,779	176	102	23,116	213	115
443,305	13	10	443,792	13	10	405,350	16	11
162,076	45	24	119,700	71	40	140,645	49	26
160,445	46	25	151,553	52	27	67,726	109	66
106,963	73	44	171,102	45	23	66,852	111	68
6,747	519	228	8,475	451	202	5,395	567	238
65,620	117	76	40,751	156	94	30,570	183	104
21,668	246	117	28,219	189	84	20,199	237	113
56,843	132	83	44,896	147	89	48,905	136	82
243,666	30	14	215,580	33	14	215,184	30	12
133,881	62	36	104,108	84	50	96,088	82	47

Annual Giving		2018	2018	2018	2017	2017	2017
Institutions with Over \$40 Million in Federal Research, Alphabetically		Annual Giving x \$1000	National Rank	Control Rank	Annual Giving x \$1000	National Rank	Control Rank
Public	University of Hawaii - Manoa	42,970	155	93	49,665	143	88
Public	University of Houston - Univ. Park	98,061	90	57	109,231	76	47
Public	University of Idaho	29,486	215	117	22,343	244	128
Public	University of Illinois - Chicago	57,134	129	78	56,597	131	82
Public	Univ. of Illinois - Urbana-Champaign	233,316	38	18	198,897	40	19
Public	University of Iowa	135,616	65	39	137,193	61	35
Public	University of Kansas - Lawrence	146,788	62	37	137,330	60	34
Public	University of Kansas Medical Center	39,019	170	100	34,333	185	106
Public	University of Kentucky	149,327	57	32	119,920	70	42
Public	University of Louisville	79,121	105	64	90,820	95	58
Public	University of Maryland - Baltimore	57,074	130	79	62,651	126	78
Public	Univ. of Maryland - Baltimore County	14,756	351	176	12,258	382	188
Public	University of Maryland - College Park	124,853	69	43	115,151	73	45
Public	Univ. of Massachusetts - Amherst	40,530	166	98	63,084	124	76
Public	Univ. of Mass. Med. Sch. - Worcester	35,953	185	106	6,413	550	242
Private	University of Miami	180,100	46	21	221,706	35	19
Public	University of Michigan - Ann Arbor	490,035	15	4	456,132	15	3
Public	University of Minnesota - Twin Cities	367,442	22	8	326,158	21	7
Public	University of Missouri - Columbia	147,709	61	36	119,526	71	43
Public	University of Montana - Missoula	41,397	161	96	30,737	199	112
Public	University of Nebraska - Lincoln	117,989	75	47	104,678	80	50
Public	Univ. of Nebraska Medical Center	96,300	92	58	106,010	78	49
Public	University of Nevada - Reno	43,455	154	92	57,084	130	81
Public	Univ. of New Hampshire - Durham	25,000	232	124	24,510	235	122
Public	Univ. of New Mexico - Albuquerque	75,639	113	70	90,227	96	59
Public	Univ. of North Carolina - Chapel Hill	374,534	21	7	325,932	22	8
Public	University of North Dakota	24,385	237	126	31,447	195	109
Private	University of Notre Dame	502,771	13	10	451,433	16	13
Public	University of Oklahoma - HSC	11,922	412	196	42,763	157	93
Public	University of Oklahoma - Norman	107,297	84	53	260,220	30	14
Public	University of Oregon	193,186	43	23	177,447	44	22
Private	University of Pennsylvania	717,529	7	5	626,485	6	6
Public	University of Pittsburgh - Pittsburgh	130,049	67	41	121,564	68	40
Public	University of Rhode Island	24,189	238	127	21,435	250	131
Private	University of Rochester	113,327	78	30	97,233	91	36
Public	Univ. of South Carolina - Columbia	110,419	80	49	174,208	47	25
Public	University of South Florida - Tampa	56,208	134	81	52,986	136	85
Private	University of Southern California	649,971	9	6	668,332	4	4
Public	University of Tennessee - Knoxville	103,170	89	56	98,124	89	55
Public	University of Texas - Austin	357,950	23	9	304,294	23	9
Public	University of Texas - El Paso	18,544	291	149	17,592	290	149
Public	University of Texas HSC - Houston	56,482	131	80	53,566	134	83
Public	Univ. of Texas HSC - San Antonio	42,085	158	94	65,776	121	75
Public	U. of Texas MD Anderson Cancer Ctr.	148,283	59	34	149,750	54	30
Public	U. of Texas Med. Branch - Galveston	69,410	119	73	40,071	166	96
Public	Univ. of Texas SW Med. Ctr. - Dallas	115,719	76	48	121,379	69	41
Public	University of Utah	234,016	36	17	153,527	52	28
Public	University of Vermont	41,776	160	95	41,020	163	95
Public	University of Virginia	275,712	29	14	268,407	28	12

The Top American Research Universities

2016 Annual Giving x \$1000	2016 National Rank	2016 Control Rank	2015 Annual Giving x \$1000	2015 National Rank	2015 Control Rank	2014 Annual Giving x \$1000	2014 National Rank	2014 Control Rank
42,209	157	93	90,650	93	56	92,519	84	48
98,449	83	50	95,602	91	55	85,269	91	53
16,842	305	154	19,358	254	126	26,912	193	108
53,815	137	85	62,590	117	75	66,508	112	69
159,693	47	26	177,235	40	19	177,193	38	17
192,262	39	19	159,532	48	25	146,748	46	23
149,771	54	29	176,704	42	21	129,794	57	29
37,443	168	96	44,176	148	90	32,448	177	102
163,919	44	23	118,190	74	43	105,565	75	42
85,186	97	60	86,309	100	61	85,065	92	54
57,911	129	82	69,153	109	67	62,004	120	74
13,788	340	167	7,663	476	212	9,143	411	192
146,044	57	32	122,694	66	37	81,788	95	56
32,805	183	106	35,327	170	99	33,918	169	99
7,550	487	216	8,328	458	204	4,855	600	247
236,334	31	17	193,809	35	20	186,528	36	21
433,776	14	4	394,310	18	4	432,596	13	4
332,851	22	8	344,303	22	7	287,361	24	10
113,079	71	43	108,689	79	46	118,745	64	33
25,987	210	115	31,417	179	104	26,161	196	110
100,542	79	47	177,321	39	18	116,724	68	37
91,702	89	55	89,054	94	57	83,219	94	55
69,521	109	69	100,048	85	51	38,414	158	92
14,372	332	163	9,605	413	188	18,350	257	134
66,077	116	75	68,992	110	68	73,517	106	64
308,694	24	10	301,177	25	10	298,804	23	9
27,965	198	111	9,284	427	194	9,079	416	193
371,762	19	14	379,869	19	15	320,316	21	14
69,440	110	70	64,872	115	73	34,274	167	97
252,996	28	12	252,475	27	12	126,639	61	32
136,295	61	35	145,109	54	29	68,221	108	65
542,851	7	6	517,198	9	8	483,569	7	6
127,155	66	40	124,602	65	36	117,068	67	36
15,788	318	159	17,563	267	131	14,627	299	151
107,297	72	29	108,217	80	34	120,038	63	31
94,103	87	53	113,506	76	44	115,683	69	38
45,583	152	89	59,903	121	76	37,419	160	93
666,641	3	3	653,025	3	3	731,933	3	3
91,456	90	56	119,749	70	39	111,303	72	39
345,992	21	7	310,212	24	9	529,391	6	1
19,194	265	135	16,668	279	140	18,502	251	131
55,453	135	84	46,346	144	87	37,179	161	94
40,458	160	94	42,764	151	91	44,606	143	85
208,482	33	15	176,908	41	20	163,188	40	19
44,659	153	90	41,039	155	93	40,965	150	88
181,153	42	21	149,243	53	28	127,930	60	31
201,854	36	17	126,244	64	35	194,893	34	14
61,407	121	78	40,458	157	95	37,119	162	95
245,392	29	13	233,218	30	13	214,412	31	13

Annual Giving		2018	2018	2018	2017	2017	2017
Institutions with Over \$40 Million in Federal Research, Alphabetically		Annual Giving x \$1000	National Rank	Control Rank	Annual Giving x \$1000	National Rank	Control Rank
Public	University of Washington - Seattle	681,053	8	3	553,891	12	1
Public	University of Wisconsin - Madison	274,966	30	15	258,645	31	15
Public	University of Wyoming	47,933	148	89	37,130	178	103
Public	Utah State University	29,318	216	118	38,751	168	98
Private	Vanderbilt University	173,651	48	23	193,581	41	22
Public	Virginia Commonwealth University	71,054	116	72	57,270	129	80
Public	Virginia Polytechnic Inst. and St. U.	132,907	66	40	122,042	65	37
Private	Wake Forest University	178,098	47	22	105,164	79	30
Public	Washington State Univ. - Pullman	85,128	101	61	82,555	107	66
Private	Washington University in St. Louis	346,973	24	15	281,491	26	16
Public	Wayne State University	77,076	110	68	77,544	111	69
Private	Weill Cornell Medical College	96,386	91	34	122,348	64	28
Public	West Virginia University	108,376	83	52	100,497	83	52
Private	Woods Hole Oceanographic Inst.						
Private	Yale University	585,947	10	7	595,886	9	9
Private	Yeshiva University	33,176	206	93	41,343	161	68

2016 Annual Giving x \$1000	2016 National Rank	2016 Control Rank	2015 Annual Giving x \$1000	2015 National Rank	2015 Control Rank	2014 Annual Giving x \$1000	2014 National Rank	2014 Control Rank
541,444	8	2	447,021	12	3	478,072	8	2
318,828	23	9	330,454	23	8	249,661	28	11
49,374	141	86	48,390	140	83	28,541	189	107
34,359	180	104	52,076	130	81	33,941	168	98
143,605	58	26	121,909	69	31	157,510	41	22
69,180	111	71	67,256	113	71	64,190	117	72
100,057	80	48	86,391	99	60	78,141	103	61
88,787	94	36	99,763	86	35	91,772	85	37
103,845	75	45	106,370	81	47	85,672	89	51
269,877	26	15	246,714	29	17	274,498	25	15
60,708	123	79	47,983	141	84		984	505
85,207	96	37	156,176	49	24	204,237	32	19
74,882	105	66	110,384	77	45	85,323	90	52
519,146	9	7	440,807	14	11	430,309	14	10
39,298	165	71	59,420	123	47	63,153	118	46

National Academy Membership		2018	2018	2018	2017	2017	2017
Institutions with Over \$40 Million in Federal Research, Alphabetically		National Academy Membership	National Rank	Control Rank	National Academy Membership	National Rank	Control Rank
Public	Arizona State University	21	57	30	22	56	29
Public	Auburn University	1	159	97	1	161	97
Public	Augusta University	0	230	142	0	228	141
Private	Baylor College of Medicine	22	54	27	25	49	24
Private	Boston University	20	59	28	19	61	30
Private	Brandeis University	10	75	35	11	72	34
Private	Brown University	24	50	24	23	52	26
Private	California Institute of Technology	113	12	8	114	12	8
Private	Carnegie Mellon University	39	31	18	44	29	18
Private	Case Western Reserve University	20	59	28	22	56	28
Public	Clemson University	2	139	83	2	137	83
Public	Cleveland State University	0	230	142	0	228	141
Private	Cold Spring Harbor Laboratory	5	105	42	6	100	42
Public	Colorado State Univ. - Fort Collins	9	82	46	8	86	49
Private	Columbia University	141	5	4	133	6	4
Private	Cornell University	64	20	12	63	20	12
Private	Dartmouth College	14	67	31	16	62	31
Private	Drexel University	7	95	38	8	86	38
Private	Duke University	70	19	11	70	17	10
Private	Emory University	33	37	19	33	35	19
Public	Florida International University	3	122	74	2	137	83
Public	Florida State University	8	87	51	8	86	49
Public	George Mason University	2	139	83	2	137	83
Private	George Washington University	11	73	34	11	72	34
Private	Georgetown University	10	75	35	10	75	37
Public	Georgia Institute of Technology	34	35	17	31	39	19
Public	Georgia State University	0	230	142	0	228	141
Private	Harvard University	408	1	1	401	1	1
Private	Icahn School of Med. at Mount Sinai	24	50	24	23	52	26
Public	Indiana University - Bloomington	15	64	34	15	64	33
Public	Iowa State University	10	75	41	10	75	39
Private	Johns Hopkins University	112	13	9	107	14	9
Public	Kansas State University	1	159	97	1	161	97
Public	Louisiana State Univ. - Baton Rouge	3	122	74	3	120	74
Private	Massachusetts Inst. of Technology	276	3	3	271	3	3
Private	Medical College of Wisconsin	2	139	57	3	120	47
Public	Medical University of South Carolina	3	122	74	3	120	74
Public	Michigan State University	15	64	34	15	64	33
Public	Mississippi State University	1	159	97	1	161	97
Public	Montana State University - Bozeman	2	139	83	1	161	97
Public	Naval Postgraduate School	2	139	83	3	120	74
Public	New Jersey Institute of Technology	1	159	97	1	161	97
Public	New Mexico State Univ. - Las Cruces	1	159	97	0	228	141
Private	New York University	57	21	13	58	21	13
Public	North Carolina State University	24	50	27	22	56	29
Private	Northeastern University	5	105	42	3	120	47
Private	Northwestern University	49	26	16	45	28	17
Public	Ohio State University - Columbus	31	41	21	32	36	17
Public	Oklahoma State University - Stillwater	3	122	74	3	120	74

The Top American Research Universities

2016 National Academy Membership	2016 National Rank	2016 Control Rank	2015 National Academy Membership	2015 National Rank	2015 Control Rank	2014 National Academy Membership	2014 National Rank	2014 Control Rank
22	53	28	22	55	29	22	53	28
1	162	98	1	163	100	1	165	102
0	224	138	0	221	136	0	222	137
25	50	24	24	50	24	24	50	25
19	61	30	20	58	28	21	55	26
11	71	35	11	70	34	11	68	33
21	56	28	22	55	27	19	60	29
114	11	8	112	12	8	113	11	7
43	28	17	39	31	18	37	32	18
22	53	26	20	58	28	20	57	28
2	136	81	2	142	87	2	140	85
0	224	138	0	221	136	0	222	137
5	103	42	5	104	43	4	108	44
8	87	50	9	77	41	8	81	44
136	5	4	134	6	4	131	6	4
63	20	12	62	20	12	61	20	12
16	62	31	15	62	31	13	66	32
8	87	38	7	92	39	7	89	39
67	19	11	66	19	11	65	19	11
31	38	20	32	35	20	28	41	20
2	136	81	1	163	100	1	165	102
8	87	50	7	92	54	6	96	55
2	136	81	2	142	87	2	140	85
11	71	35	12	68	33	10	72	35
9	78	37	9	77	37	10	72	35
31	38	19	31	38	18	26	46	24
0	224	138	0	221	136	0	222	137
382	1	1	371	1	1	370	1	1
20	59	29	17	61	30	16	61	30
13	67	36	8	84	47	8	81	44
9	78	42	8	84	47	5	103	61
101	14	9	97	15	9	95	15	9
1	162	98	1	163	100	1	165	102
2	136	81	3	119	73	3	117	72
267	3	3	268	3	3	265	3	3
3	120	48	3	119	47	3	117	46
2	136	81	3	119	73	3	117	72
14	63	32	13	65	34	12	67	35
1	162	98	1	163	100	2	140	85
1	162	98	0	221	136	0	222	137
3	120	73	3	119	73	3	117	72
1	162	98	1	163	100	2	140	85
0	224	138	0	221	136	0	222	137
56	22	13	59	21	13	53	23	13
21	56	29	20	58	31	20	57	30
3	120	48	3	119	47	3	117	46
42	29	18	43	28	17	43	28	17
33	35	16	32	35	16	32	36	17
3	120	73	3	119	73	3	117	72

National Academy Membership		2018	2018	2018	2017	2017	2017
Institutions with Over \$40 Million in Federal Research, Alphabetically		National Academy Membership	National Rank	Control Rank	National Academy Membership	National Rank	Control Rank
Public	Oregon Health & Science University	10	75	41	10	75	39
Public	Oregon State University	4	116	70	4	113	70
Public	Penn. State Univ. - Hershey Med. Ctr.	2	139	83	2	137	83
Public	Pennsylvania State Univ. - Univ. Park	27	47	25	27	45	23
Private	Princeton University	126	9	7	125	8	6
Public	Purdue University - West Lafayette	28	44	23	27	45	23
Private	Rensselaer Polytechnic Institute	7	95	38	7	96	39
Private	Rice University	24	50	24	24	50	25
Private	Rockefeller University	52	24	15	54	24	14
Private	Rush University	3	122	49	3	120	47
Public	Rutgers University - New Brunswick	35	33	15	36	32	14
Private	Scripps Research Institute	30	42	21	29	42	21
Private	Stanford University	338	2	2	342	2	2
Public	State Univ. of NY - Polytechnic Inst.	0	230	142	0	228	141
Public	Stony Brook University	14	67	37	14	66	35
Public	Temple University	5	105	64	5	104	62
Public	Texas A&M Univ. - College Station	44	30	13	38	31	13
Private	Thomas Jefferson University	3	122	49	3	120	47
Private	Tufts University	8	87	37	11	72	34
Private	Tulane University	3	122	49	2	137	55
Public	Uniformed Services Univ. of the HS	3	122	74	4	113	70
Public	University at Albany	1	159	97	1	161	97
Public	University at Buffalo	8	87	51	7	96	58
Public	University of Alabama - Birmingham	7	95	58	8	86	49
Public	University of Alabama - Huntsville	1	159	97	1	161	97
Public	University of Alaska - Fairbanks	1	159	97	1	161	97
Public	University of Arizona	32	40	20	30	41	21
Public	University of Arkansas - Fayetteville	4	116	70	3	120	74
Public	Univ. of Arkansas for Med. Sciences	1	159	97	1	161	97
Public	University of California - Berkeley	227	4	1	227	4	1
Public	University of California - Davis	48	27	11	47	26	11
Public	University of California - Irvine	34	35	17	31	39	19
Public	University of California - Los Angeles	106	14	5	102	15	6
Public	University of California - Riverside	10	75	41	8	86	49
Public	University of California - San Diego	117	11	4	118	9	3
Public	Univ. of California - San Francisco	136	6	2	134	5	2
Public	Univ. of California - Santa Barbara	53	23	9	56	22	9
Public	University of California - Santa Cruz	10	75	41	10	75	39
Public	University of Central Florida	6	102	61	5	104	62
Private	University of Chicago	72	17	10	70	17	10
Public	University of Cincinnati - Cincinnati	8	87	51	8	86	49
Public	University of Colorado - Boulder	33	37	19	32	36	17
Public	U. of Colorado - Den./Anschutz Med.	16	62	32	14	66	35
Public	Univ. of Connecticut - Health Center	5	105	64	5	104	62
Public	University of Connecticut - Storrs	1	159	97	1	161	97
Private	University of Dayton	0	230	89	0	228	88
Public	University of Delaware	9	82	46	8	86	49
Public	University of Florida	28	44	23	29	42	22
Public	University of Georgia	8	87	51	8	86	49

The Top American Research Universities

2016 National Academy Membership	2016 National Rank	2016 Control Rank	2015 National Academy Membership	2015 National Rank	2015 Control Rank	2014 National Academy Membership	2014 National Rank	2014 Control Rank
10	74	38	10	73	37	10	72	38
5	103	62	5	104	62	4	108	65
2	136	81	2	142	87	2	140	85
28	43	23	27	43	22	27	43	22
126	7	5	120	7	5	124	7	5
28	43	23	27	43	22	27	43	22
7	94	39	7	92	39	7	89	39
24	51	25	25	48	23	25	48	24
51	24	14	51	24	14	47	25	15
3	120	48	2	142	56	2	140	56
36	32	14	39	31	14	36	33	15
27	46	22	26	46	22	28	41	20
340	2	2	320	2	2	316	2	2
0	224	138	0	221	136	0	222	137
14	63	32	14	63	32	15	63	33
5	103	62	4	111	68	3	117	72
32	36	17	27	43	22	24	50	26
4	111	44	4	111	44	3	117	46
12	70	34	11	70	34	11	68	33
2	136	56	1	163	64	1	165	64
4	111	68	4	111	68	4	108	65
1	162	98	2	142	87	2	140	85
8	87	50	8	84	47	7	89	51
7	94	56	8	84	47	8	81	44
1	162	98	0	221	136	0	222	137
2	136	81	2	142	87	1	165	102
29	41	21	31	38	18	30	37	18
3	120	73	3	119	73	3	117	72
1	162	98	1	163	100	1	165	102
230	4	1	230	4	1	230	4	1
46	27	11	45	27	11	46	27	11
30	40	20	31	38	18	30	37	18
100	15	6	101	14	6	100	14	6
9	78	42	8	84	47	8	81	44
119	8	3	117	8	3	118	8	3
133	6	2	135	5	2	132	5	2
58	21	9	56	22	9	58	21	9
9	78	42	10	73	37	11	68	36
1	162	98	1	163	100	1	165	102
70	17	10	69	17	10	67	18	10
8	87	50	8	84	47	8	81	44
29	41	21	30	41	21	30	37	18
14	63	32	14	63	32	15	63	33
4	111	68	4	111	68	4	108	65
1	162	98	1	163	100	1	165	102
0	224	87	0	221	86	0	222	86
8	87	50	7	92	54	7	89	51
26	49	26	25	48	26	25	48	25
7	94	56	6	99	58	6	96	55

National Academy Membership							
Institutions with Over \$40 Million in Federal Research, Alphabetically		2018	2018	2018	2017	2017	2017
		National Academy Membership	National Rank	Control Rank	National Academy Membership	National Rank	Control Rank
Public	University of Hawaii - Manoa	11	73	40	10	75	39
Public	University of Houston - Univ. Park	15	64	34	14	66	35
Public	University of Idaho	0	230	142	0	228	141
Public	University of Illinois - Chicago	6	102	61	6	100	59
Public	Univ. of Illinois - Urbana-Champaign	51	25	10	55	23	10
Public	University of Iowa	22	54	28	20	60	31
Public	University of Kansas - Lawrence	5	105	64	5	104	62
Public	University of Kansas Medical Center	2	139	83	2	137	83
Public	University of Kentucky	2	139	83	2	137	83
Public	University of Louisville	1	159	97	1	161	97
Public	University of Maryland - Baltimore	8	87	51	9	82	45
Public	Univ. of Maryland - Baltimore County	1	159	97	1	161	97
Public	University of Maryland - College Park	22	54	28	24	50	26
Public	Univ. of Massachusetts - Amherst	8	87	51	8	86	49
Public	Univ. of Mass. Med. Sch. - Worcester	9	82	46	8	86	49
Private	University of Miami	13	69	32	12	71	33
Public	University of Michigan - Ann Arbor	118	10	3	118	9	3
Public	University of Minnesota - Twin Cities	45	28	12	43	30	12
Public	University of Missouri - Columbia	9	82	46	9	82	45
Public	University of Montana - Missoula	0	230	142	0	228	141
Public	University of Nebraska - Lincoln	2	139	83	2	137	83
Public	Univ. of Nebraska Medical Center	1	159	97	1	161	97
Public	University of Nevada - Reno	2	139	83	2	137	83
Public	Univ. of New Hampshire - Durham	1	159	97	0	228	141
Public	Univ. of New Mexico - Albuquerque	5	105	64	5	104	62
Public	Univ. of North Carolina - Chapel Hill	37	32	14	36	32	14
Public	University of North Dakota	0	230	142	0	228	141
Private	University of Notre Dame	3	122	49	4	113	44
Public	University of Oklahoma - HSC	1	159	97	1	161	97
Public	University of Oklahoma - Norman	0	230	142	1	161	97
Public	University of Oregon	12	72	39	10	75	39
Private	University of Pennsylvania	130	7	5	127	7	5
Public	University of Pittsburgh - Pittsburgh	29	43	22	27	45	23
Public	University of Rhode Island	1	159	97	2	137	83
Private	University of Rochester	20	59	28	22	56	28
Public	Univ. of South Carolina - Columbia	1	159	97	1	161	97
Public	University of South Florida - Tampa	10	75	41	10	75	39
Private	University of Southern California	45	28	17	46	27	16
Public	University of Tennessee - Knoxville	7	95	58	6	100	59
Public	University of Texas - Austin	75	16	7	69	19	8
Public	University of Texas - El Paso	0	230	142	0	228	141
Public	University of Texas HSC - Houston	5	105	64	5	104	62
Public	Univ. of Texas HSC - San Antonio	6	102	61	5	104	62
Public	U. of Texas MD Anderson Cancer Ctr.	16	62	32	16	62	32
Public	U. of Texas Med. Branch - Galveston	4	116	70	3	120	74
Public	Univ. of Texas SW Med. Ctr. - Dallas	35	33	15	36	32	14
Public	University of Utah	25	49	26	23	52	27
Public	University of Vermont	1	159	97	2	137	83
Public	University of Virginia	21	57	30	23	52	27

The Top American Research Universities

2016 National Academy Membership	2016 National Rank	2016 Control Rank	2015 National Academy Membership	2015 National Rank	2015 Control Rank	2014 National Academy Membership	2014 National Rank	2014 Control Rank
10	74	38	10	73	37	8	81	44
10	74	38	9	77	41	9	78	41
0	224	138	0	221	136	0	222	137
6	99	59	6	99	58	7	89	51
56	22	10	56	22	9	55	22	10
20	59	31	22	55	29	22	53	28
5	103	62	5	104	62	5	103	61
2	136	81	3	119	73	3	117	72
2	136	81	3	119	73	3	117	72
2	136	81	2	142	87	2	140	85
9	78	42	9	77	41	9	78	41
1	162	98	0	221	136	0	222	137
27	46	25	26	46	25	30	37	18
9	78	42	7	92	54	7	89	51
7	94	56	7	92	54	6	96	55
13	67	32	11	70	34	10	72	35
113	12	4	108	13	5	106	13	5
41	30	12	41	29	12	40	29	12
9	78	42	9	77	41	8	81	44
0	224	138	0	221	136	0	222	137
3	120	73	3	119	73	2	140	85
1	162	98	1	163	100	1	165	102
2	136	81	2	142	87	2	140	85
0	224	138	0	221	136	0	222	137
5	103	62	5	104	62	4	108	65
38	31	13	38	33	15	38	30	13
0	224	138	0	221	136	0	222	137
4	111	44	4	111	44	3	117	46
1	162	98	1	163	100	1	165	102
1	162	98	1	163	100	1	165	102
9	78	42	9	77	41	10	72	38
118	9	6	117	8	6	114	10	6
32	36	17	32	35	16	33	35	16
2	136	81	2	142	87	2	140	85
22	53	26	24	50	24	26	46	23
0	224	138	1	163	100	2	140	85
8	87	50	8	84	47	6	96	55
48	25	15	50	25	15	51	24	14
6	99	59	5	104	62	5	103	61
70	17	8	69	17	8	72	17	8
0	224	138	0	221	136	0	222	137
4	111	68	3	119	73	3	117	72
5	103	62	5	104	62	4	108	65
11	71	37	12	68	36	11	68	36
3	120	73	3	119	73	3	117	72
36	32	14	40	30	13	38	30	13
21	56	29	23	54	28	20	57	30
2	136	81	2	142	87	2	140	85
23	52	27	24	50	27	24	50	26

National Academy Membership

Institutions with Over \$40 Million in Federal Research, Alphabetically		2018 National Academy Membership	2018 National Rank	2018 Control Rank	2017 National Academy Membership	2017 National Rank	2017 Control Rank
Public	University of Washington - Seattle	104	15	6	111	13	5
Public	University of Wisconsin - Madison	72	17	8	75	16	7
Public	University of Wyoming	2	139	83	2	137	83
Public	Utah State University	0	230	142	0	228	141
Private	Vanderbilt University	33	37	19	32	36	20
Public	Virginia Commonwealth University	7	95	58	6	100	59
Public	Virginia Polytechnic Inst. and St. U.	13	69	38	14	66	35
Private	Wake Forest University	7	95	38	7	96	39
Public	Washington State Univ. - Pullman	9	82	46	9	82	45
Private	Washington University in St. Louis	57	21	13	53	25	15
Public	Wayne State University	3	122	74	3	120	74
Private	Weill Cornell Medical College	26	48	23	27	45	23
Public	West Virginia University	2	139	83	2	137	83
Private	Woods Hole Oceanographic Inst.	3	122	49	2	137	55
Private	Yale University	127	8	6	118	9	7
Private	Yeshiva University	13	69	32	13	70	32

2016 National Academy Membership	2016 National Rank	2016 Control Rank	2015 National Academy Membership	2015 National Rank	2015 Control Rank	2014 National Academy Membership	2014 National Rank	2014 Control Rank
110	13	5	115	10	4	116	9	4
77	16	7	77	16	7	75	16	7
2	136	81	2	142	87	2	140	85
0	224	138	0	221	136	0	222	137
34	34	19	36	34	19	34	34	19
6	99	59	6	99	58	6	96	55
14	63	32	13	65	34	16	61	32
6	99	41	7	92	39	6	96	42
9	78	42	9	77	41	9	78	41
48	25	15	46	26	16	47	25	15
3	120	73	3	119	73	3	117	72
28	43	21	28	42	21	27	43	22
2	136	81	2	142	87	1	165	102
3	120	48	3	119	47	3	117	46
117	10	7	114	11	7	111	12	8
13	67	32	13	65	32	14	65	31

Faculty Awards		2018	2018	2018	2017	2017	2017
Institutions with Over \$40 Million in Federal Research, Alphabetically		Faculty Awards	National Rank	Control Rank	Faculty Awards	National Rank	Control Rank
Public	Arizona State University	13	55	35	25	21	9
Public	Auburn University	3	155	109	3	149	99
Public	Augusta University	0	482	293	0	487	296
Private	Baylor College of Medicine	6	101	37	7	87	34
Private	Boston University	11	61	23	13	44	18
Private	Brandeis University	8	82	31	4	125	42
Private	Brown University	9	74	27	14	43	17
Private	California Institute of Technology	15	44	19	17	37	16
Private	Carnegie Mellon University	16	41	18	9	69	27
Private	Case Western Reserve University	9	74	27	10	60	24
Public	Clemson University	10	66	42	9	69	43
Public	Cleveland State University	3	155	109	0	487	296
Private	Cold Spring Harbor Laboratory	1	273	178	2	187	124
Public	Colorado State Univ. - Fort Collins	10	66	42	5	113	75
Private	Columbia University	24	21	11	31	13	9
Private	Cornell University	34	6	3	29	16	10
Private	Dartmouth College	12	58	21	9	69	27
Private	Drexel University	11	61	23	4	125	42
Private	Duke University	21	26	13	27	18	12
Private	Emory University	14	49	20	12	48	20
Public	Florida International University	5	112	74	2	187	124
Public	Florida State University	15	44	26	10	60	37
Public	George Mason University	3	155	109	5	113	75
Private	George Washington University	10	66	25	10	60	24
Private	Georgetown University	2	193	64	8	78	31
Public	Georgia Institute of Technology	22	23	12	19	32	18
Public	Georgia State University	5	112	74	5	113	75
Private	Harvard University	80	1	1	75	1	1
Private	Icahn School of Med. at Mount Sinai	6	101	37	5	113	39
Public	Indiana University - Bloomington	10	66	42	20	28	15
Public	Iowa State University	15	44	26	11	54	33
Private	Johns Hopkins University	29	11	6	28	17	11
Public	Kansas State University	6	101	65	7	87	54
Public	Louisiana State Univ. - Baton Rouge	3	155	109	6	102	66
Private	Massachusetts Inst. of Technology	29	11	6	43	6	3
Private	Medical College of Wisconsin	0	482	190	0	487	190
Public	Medical University of South Carolina	1	273	178	1	270	179
Public	Michigan State University	20	29	16	13	44	27
Public	Mississippi State University	2	193	130	0	487	296
Public	Montana State University - Bozeman	6	101	65	3	149	99
Public	Naval Postgraduate School	0	482	293	0	487	296
Public	New Jersey Institute of Technology	5	112	74	4	125	84
Public	New Mexico State Univ. - Las Cruces	3	155	109	2	187	124
Private	New York University	31	9	4	20	28	14
Public	North Carolina State University	18	34	21	19	32	18
Private	Northeastern University	18	34	14	12	48	20
Private	Northwestern University	25	18	10	36	10	7
Public	Ohio State University - Columbus	25	18	9	20	28	15
Public	Oklahoma State University - Stillwater	2	193	130	0	487	296

2016 Faculty Awards	2016 National Rank	2016 Control Rank	2015 Faculty Awards	2015 National Rank	2015 Control Rank	2014 Faculty Awards	2014 National Rank	2014 Control Rank
19	28	15	23	24	10	9	62	38
5	101	66	3	144	92	2	195	126
0	460	273	0	473	285	0	475	283
4	121	44	6	98	33	3	153	53
10	58	22	16	40	18	16	34	18
7	81	31	9	76	29	4	126	42
16	35	16	20	29	16	17	30	16
8	69	27	16	40	18	12	48	22
16	35	16	13	49	24	10	58	24
12	51	21	11	58	26	4	126	42
5	101	66	3	144	92	5	109	71
0	460	273	2	178	115	1	259	163
1	246	158	2	178	115	4	126	85
4	121	78	11	58	33	7	78	50
25	15	6	34	8	4	25	19	11
20	25	12	30	12	7	24	20	12
9	63	25	6	98	33	6	90	34
5	101	36	5	110	39	4	126	42
25	15	6	30	12	7	33	7	4
18	30	14	19	33	17	26	17	10
3	142	93	13	49	26	5	109	71
9	63	39	9	76	48	7	78	50
3	142	93	5	110	72	5	109	71
8	69	27	14	45	21	11	54	23
2	178	64	4	127	45	7	78	29
19	28	15	21	27	12	16	34	17
5	101	66	2	178	115	4	126	85
66	1	1	84	1	1	90	1	1
5	101	36	6	98	33	8	68	27
16	35	20	15	42	23	18	29	14
7	81	51	6	98	66	6	90	57
21	21	9	33	9	5	32	11	7
7	81	51	2	178	115	4	126	85
3	142	93	5	110	72	4	126	85
33	8	4	41	5	3	42	3	3
0	460	187	0	473	189	0	475	193
1	246	158	1	263	167	1	259	163
12	51	31	11	58	33	13	42	23
1	246	158	4	127	83	1	259	163
3	142	93	2	178	115	1	259	163
1	246	158	0	473	285	1	259	163
3	142	93	0	473	285	0	475	283
2	178	115	6	98	66	2	195	126
18	30	14	27	22	13	29	13	8
20	25	14	11	58	33	12	48	27
9	63	25	14	45	21	9	62	25
25	15	6	33	9	5	28	15	9
21	21	13	17	38	21	13	42	23
3	142	93	3	144	92	5	109	71

Faculty Awards							
Institutions with Over \$40 Million in Federal Research, Alphabetically		2018	2018	2018	2017	2017	2017
		Faculty Awards	National Rank	Control Rank	Faculty Awards	National Rank	Control Rank
Public	Oregon Health & Science University	7	92	59	9	69	43
Public	Oregon State University	7	92	59	7	87	54
Public	Penn. State Univ. - Hershey Med. Ctr.	2	193	130	2	187	124
Public	Pennsylvania State Univ. - Univ. Park	22	23	12	24	22	10
Private	Princeton University	27	14	8	40	7	4
Public	Purdue University - West Lafayette	16	41	24	12	48	29
Private	Rensselaer Polytechnic Institute	4	128	40	2	187	64
Private	Rice University	4	128	40	7	87	34
Private	Rockefeller University	10	66	25	9	69	27
Private	Rush University	0	482	190	0	487	190
Public	Rutgers University - New Brunswick	18	34	21	16	41	25
Private	Scripps Research Institute	9	74	27	8	78	31
Private	Stanford University	52	2	2	62	2	2
Public	State Univ. of NY - Polytechnic Inst.	0	482	293	0	487	296
Public	Stony Brook University	7	92	59	8	78	48
Public	Temple University	7	92	59	8	78	48
Public	Texas A&M Univ. - College Station	14	49	30	8	78	48
Private	Thomas Jefferson University	3	155	47	0	487	190
Private	Tufts University	3	155	47	8	78	31
Private	Tulane University	7	92	34	5	113	39
Public	Uniformed Services Univ. of the HS	0	482	293	0	487	296
Public	University at Albany	3	155	109	3	149	99
Public	University at Buffalo	9	74	48	11	54	33
Public	University of Alabama - Birmingham	4	128	89	2	187	124
Public	University of Alabama - Huntsville	0	482	293	2	187	124
Public	University of Alaska - Fairbanks	4	128	89	2	187	124
Public	University of Arizona	15	44	26	12	48	29
Public	University of Arkansas - Fayetteville	11	61	39	4	125	84
Public	Univ. of Arkansas for Med. Sciences	0	482	293	0	487	296
Public	University of California - Berkeley	36	4	2	44	5	3
Public	University of California - Davis	19	31	18	10	60	37
Public	University of California - Irvine	21	26	14	22	27	14
Public	University of California - Los Angeles	32	8	5	30	14	5
Public	University of California - Riverside	16	41	24	17	37	22
Public	University of California - San Diego	34	6	4	30	14	5
Public	Univ. of California - San Francisco	13	55	35	18	34	20
Public	Univ. of California - Santa Barbara	6	101	65	7	87	54
Public	University of California - Santa Cruz	11	61	39	6	102	66
Public	University of Central Florida	5	112	74	7	87	54
Private	University of Chicago	22	23	12	33	12	8
Public	University of Cincinnati - Cincinnati	5	112	74	6	102	66
Public	University of Colorado - Boulder	13	55	35	18	34	20
Public	U. of Colorado - Den./Anschutz Med.	5	112	74	4	125	84
Public	Univ. of Connecticut - Health Center	2	193	130	2	187	124
Public	University of Connecticut - Storrs	14	49	30	10	60	37
Private	University of Dayton	0	482	190	1	270	92
Public	University of Delaware	5	112	74	11	54	33
Public	University of Florida	14	49	30	17	37	22
Public	University of Georgia	10	66	42	10	60	37

The Top American Research Universities

2016 Faculty Awards	2016 National Rank	2016 Control Rank	2015 Faculty Awards	2015 National Rank	2015 Control Rank	2014 Faculty Awards	2014 National Rank	2014 Control Rank
4	121	78	8	85	56	5	109	71
10	58	37	5	110	72	6	90	57
2	178	115	2	178	115	2	195	126
22	19	11	19	33	17	14	38	20
20	25	12	22	26	15	24	20	12
27	12	7	19	33	17	15	36	18
4	121	44	5	110	39	5	109	39
8	69	27	6	98	33	7	78	29
7	81	31	7	90	31	7	78	29
0	460	187	0	473	189	0	475	193
12	51	31	20	29	14	21	26	11
10	58	22	8	85	30	13	42	20
48	2	2	56	2	2	46	2	2
0	460	273	0	473	285	0	475	283
8	69	43	10	67	40	11	54	32
5	101	66	10	67	40	8	68	42
8	69	43	14	45	25	6	90	57
0	460	187	1	263	97	1	259	97
8	69	27	6	98	33	6	90	34
6	92	34	4	127	45	3	153	53
2	178	115	2	178	115	2	195	126
2	178	115	4	127	83	5	109	71
6	92	59	6	98	66	6	90	57
3	142	93	0	473	285	4	126	85
0	460	273	2	178	115	1	259	163
0	460	273	2	178	115	3	153	101
13	46	27	9	76	48	10	58	35
5	101	66	4	127	83	0	475	283
0	460	273	0	473	285	1	259	163
36	5	3	45	3	1	42	3	1
14	45	26	12	54	30	8	68	42
15	41	22	20	29	14	15	36	18
22	19	11	29	19	8	28	15	7
12	51	31	7	90	60	9	62	38
25	15	10	29	19	8	19	28	13
28	9	5	31	11	5	33	7	4
8	69	43	12	54	30	10	58	35
8	69	43	8	85	56	5	109	71
8	69	43	7	90	60	7	78	50
21	21	9	25	23	14	24	20	12
13	46	27	10	67	40	9	62	38
16	35	20	21	27	12	12	48	27
7	81	51	5	110	72	8	68	42
2	178	115	3	144	92	3	153	101
15	41	22	9	76	48	5	109	71
0	460	187	0	473	189	0	475	193
4	121	78	9	76	48	12	48	27
15	41	22	23	24	10	21	26	11
9	63	39	6	98	66	17	30	15

Faculty Awards		2018	2018	2018	2017	2017	2017
Institutions with Over \$40 Million in Federal Research, Alphabetically		Faculty Awards	National Rank	Control Rank	Faculty Awards	National Rank	Control Rank
Public	University of Hawaii - Manoa	8	82	52	6	102	66
Public	University of Houston - Univ. Park	10	66	42	7	87	54
Public	University of Idaho	2	193	130	3	149	99
Public	University of Illinois - Chicago	9	74	48	12	48	29
Public	Univ. of Illinois - Urbana-Champaign	35	5	3	35	11	4
Public	University of Iowa	9	74	48	7	87	54
Public	University of Kansas - Lawrence	4	128	89	8	78	48
Public	University of Kansas Medical Center	1	273	178	1	270	179
Public	University of Kentucky	8	82	52	9	69	43
Public	University of Louisville	4	128	89	6	102	66
Public	University of Maryland - Baltimore	4	128	89	4	125	84
Public	Univ. of Maryland - Baltimore County	2	193	130	7	87	54
Public	University of Maryland - College Park	19	31	18	15	42	26
Public	Univ. of Massachusetts - Amherst	15	44	26	13	44	27
Public	Univ. of Mass. Med. Sch. - Worcester	8	82	52	10	60	37
Private	University of Miami	4	128	40	10	60	24
Public	University of Michigan - Ann Arbor	38	3	1	54	3	1
Public	University of Minnesota - Twin Cities	25	18	9	26	20	8
Public	University of Missouri - Columbia	5	112	74	7	87	54
Public	University of Montana - Missoula	1	273	178	6	102	66
Public	University of Nebraska - Lincoln	17	39	23	7	87	54
Public	Univ. of Nebraska Medical Center	1	273	178	1	270	179
Public	University of Nevada - Reno	4	128	89	3	149	99
Public	Univ. of New Hampshire - Durham	2	193	130	2	187	124
Public	Univ. of New Mexico - Albuquerque	10	66	42	11	54	33
Public	Univ. of North Carolina - Chapel Hill	28	13	6	24	22	10
Public	University of North Dakota	2	193	130	1	270	179
Private	University of Notre Dame	9	74	27	23	26	13
Public	University of Oklahoma - HSC	1	273	178	1	270	179
Public	University of Oklahoma - Norman	8	82	52	2	187	124
Public	University of Oregon	12	58	38	7	87	54
Private	University of Pennsylvania	30	10	5	40	7	4
Public	University of Pittsburgh - Pittsburgh	21	26	14	24	22	10
Public	University of Rhode Island	2	193	130	4	125	84
Private	University of Rochester	18	34	14	9	69	27
Public	Univ. of South Carolina - Columbia	5	112	74	12	48	29
Public	University of South Florida - Tampa	14	49	30	10	60	37
Private	University of Southern California	17	39	17	18	34	15
Public	University of Tennessee - Knoxville	14	49	30	8	78	48
Public	University of Texas - Austin	27	14	7	24	22	10
Public	University of Texas - El Paso	2	193	130	0	487	296
Public	University of Texas HSC - Houston	1	273	178	4	125	84
Public	Univ. of Texas HSC - San Antonio	0	482	293	1	270	179
Public	U. of Texas MD Anderson Cancer Ctr.	7	92	59	2	187	124
Public	U. of Texas Med. Branch - Galveston	1	273	178	0	487	296
Public	Univ. of Texas SW Med. Ctr. - Dallas	11	61	39	9	69	43
Public	University of Utah	20	29	16	7	87	54
Public	University of Vermont	7	92	59	5	113	75
Public	University of Virginia	8	82	52	20	28	15

2016 Faculty Awards	2016 National Rank	2016 Control Rank	2015 Faculty Awards	2015 National Rank	2015 Control Rank	2014 Faculty Awards	2014 National Rank	2014 Control Rank
5	101	66	4	127	83	5	109	71
7	81	51	4	127	83	7	78	50
3	142	93	2	178	115	0	475	283
11	56	35	11	58	33	12	48	27
38	4	2	30	12	6	35	5	2
9	63	39	10	67	40	11	54	32
4	121	78	11	58	33	14	38	20
0	460	273	0	473	285	1	259	163
7	81	51	10	67	40	9	62	38
1	246	158	5	110	72	3	153	101
2	178	115	3	144	92	4	126	85
3	142	93	2	178	115	4	126	85
13	46	27	20	29	14	14	38	20
8	69	43	17	38	21	10	58	35
11	56	35	12	54	30	12	48	27
5	101	36	7	90	31	8	68	27
48	2	1	42	4	2	34	6	3
27	12	7	35	7	4	26	17	8
7	81	51	9	76	48	7	78	50
4	121	78	2	178	115	3	153	101
8	69	43	3	144	92	4	126	85
0	460	273	0	473	285	0	475	283
2	178	115	0	473	285	3	153	101
6	92	59	3	144	92	6	90	57
9	63	39	10	67	40	8	68	42
28	9	5	19	33	17	24	20	9
0	460	273	2	178	115	2	195	126
16	35	16	14	45	21	14	38	19
1	246	158	0	473	285	0	475	283
4	121	78	9	76	48	6	90	57
8	69	43	11	58	33	6	90	57
34	7	3	30	12	7	33	7	4
17	33	18	13	49	26	24	20	9
3	142	93	2	178	115	2	195	126
5	101	36	12	54	25	3	153	53
5	101	66	9	76	48	6	90	57
13	46	27	13	49	26	8	68	42
21	21	9	30	12	7	23	25	15
17	33	18	8	85	56	7	78	50
18	30	17	19	33	17	17	30	15
0	460	273	1	263	167	3	153	101
1	246	158	2	178	115	5	109	71
0	460	273	0	473	285	1	259	163
2	178	115	3	144	92	2	195	126
0	460	273	0	473	285	0	475	283
12	51	31	13	49	26	13	42	23
15	41	22	10	67	40	13	42	23
5	101	66	5	110	72	6	90	57
7	81	51	15	42	23	11	54	32

Faculty Awards

Institutions with Over \$40 Million in Federal Research, Alphabetically		2018 Faculty Awards	2018 National Rank	2018 Control Rank	2017 Faculty Awards	2017 National Rank	2017 Control Rank
Public	University of Washington - Seattle	27	14	7	49	4	2
Public	University of Wisconsin - Madison	24	21	11	27	18	7
Public	University of Wyoming	4	128	89	6	102	66
Public	Utah State University	8	82	52	8	78	48
Private	Vanderbilt University	18	34	14	11	54	22
Public	Virginia Commonwealth University	6	101	65	6	102	66
Public	Virginia Polytechnic Inst. and St. U.	19	31	18	17	37	22
Private	Wake Forest University	5	112	39	4	125	42
Public	Washington State Univ. - Pullman	9	74	48	6	102	66
Private	Washington University in St. Louis	12	58	21	13	44	18
Public	Wayne State University	5	112	74	4	125	84
Private	Weill Cornell Medical College	4	128	40	11	54	22
Public	West Virginia University	6	101	65	5	113	75
Private	Woods Hole Oceanographic Inst.	0	482	190	0	487	190
Private	Yale University	27	14	8	37	9	6
Private	Yeshiva University	7	92	34	3	149	51

2016 Faculty Awards	2016 National Rank	2016 Control Rank	2015 Faculty Awards	2015 National Rank	2015 Control Rank	2014 Faculty Awards	2014 National Rank	2014 Control Rank
35	6	4	39	6	3	30	12	5
27	12	7	30	12	6	29	13	6
1	246	158	3	144	92	6	90	57
7	81	51	3	144	92	4	126	85
13	46	20	15	42	20	13	42	20
2	178	115	6	98	66	6	90	57
6	92	59	10	67	40	8	68	42
3	142	50	3	144	53	6	90	34
10	58	37	7	90	60	6	90	57
16	35	16	29	19	12	17	30	16
3	142	93	5	110	72	8	68	42
10	58	22	10	67	28	9	62	25
5	101	66	8	85	56	5	109	71
0	460	187	1	263	97	1	259	97
28	9	5	30	12	7	33	7	4
4	121	44	5	110	39	7	78	29

Doctorates Awarded		2018	2018	2018	2017	2017	2017
Institutions with Over \$40 Million in Federal Research, Alphabetically		Doctorates	National Rank	Control Rank	Doctorates	National Rank	Control Rank
Public	Arizona State University	692	17	13	677	18	13
Public	Auburn University	253	85	59	289	72	54
Public	Augusta University	35	311	187	17	389	221
Private	Baylor College of Medicine	100	173	57	99	174	56
Private	Boston University	535	30	11	509	33	10
Private	Brandeis University	81	204	73	86	191	62
Private	Brown University	208	100	30	210	100	30
Private	California Institute of Technology	191	107	33	180	113	36
Private	Carnegie Mellon University	322	66	19	288	73	19
Private	Case Western Reserve University	219	97	28	206	103	32
Public	Clemson University	232	92	66	231	93	67
Public	Cleveland State University	46	276	170	51	255	161
Private	Cold Spring Harbor Laboratory						
Public	Colorado State Univ. - Fort Collins	250	86	60	223	96	68
Private	Columbia University	669	18	5	570	23	8
Private	Cornell University	540	29	10	501	35	11
Private	Dartmouth College	81	204	73	83	197	65
Private	Drexel University	231	94	27	227	95	28
Private	Duke University	669	18	5	685	16	4
Private	Emory University	276	78	22	251	86	23
Public	Florida International University	200	105	73	199	106	74
Public	Florida State University	422	44	29	398	46	33
Public	George Mason University	300	71	52	283	75	55
Private	George Washington University	265	79	23	251	86	23
Private	Georgetown University	131	143	43	124	148	44
Public	Georgia Institute of Technology	530	32	21	508	34	24
Public	Georgia State University	259	83	57	262	83	62
Private	Harvard University	750	11	3	718	13	3
Private	Icahn School of Med. at Mount Sinai	49	265	100	49	261	97
Public	Indiana University - Bloomington	500	36	25	485	37	26
Public	Iowa State University	416	47	32	374	50	35
Private	Johns Hopkins University	591	24	8	553	26	9
Public	Kansas State University	180	113	79	191	109	76
Public	Louisiana State Univ. - Baton Rouge	299	72	53	315	66	48
Private	Massachusetts Inst. of Technology	645	21	7	622	21	6
Private	Medical College of Wisconsin	32	320	129	29	342	146
Public	Medical University of South Carolina	163	121	85	179	115	79
Public	Michigan State University	553	26	18	552	27	18
Public	Mississippi State University	173	116	81	176	117	80
Public	Montana State University - Bozeman	71	215	138	66	218	145
Public	Naval Postgraduate School	12	464	242	19	379	214
Public	New Jersey Institute of Technology	73	213	137	59	231	151
Public	New Mexico State Univ. - Las Cruces	126	149	103	103	167	116
Private	New York University	435	42	14	445	40	13
Public	North Carolina State University	533	31	20	540	29	20
Private	Northeastern University	184	111	34	228	94	27
Private	Northwestern University	443	40	12	454	39	12
Public	Ohio State University - Columbus	855	3	3	818	5	5
Public	Oklahoma State University - Stillwater	243	90	64	223	96	68

The Top American Research Universities

2016 Doctorates	2016 National Rank	2016 Control Rank	2015 Doctorates	2015 National Rank	2015 Control Rank	2014 Doctorates	2014 National Rank	2014 Control Rank
674	14	11	687	14	12	596	20	16
272	79	59	257	80	58	249	83	59
20	376	215	29	314	191	28	315	193
94	179	59	111	157	50	105	166	52
579	22	7	484	36	11	513	27	9
83	192	64	100	170	55	97	172	54
235	88	24	215	94	26	227	91	26
190	105	32	182	110	32	181	107	33
323	60	18	333	62	19	341	57	18
230	90	25	197	101	30	199	98	28
233	89	65	237	88	64	216	92	66
54	239	154	59	232	154	38	282	177
249	85	62	251	81	59	230	90	65
587	21	6	564	24	7	636	16	3
497	35	11	487	34	9	505	28	10
87	185	62	85	192	65	95	176	55
214	95	28	213	96	27	183	106	32
537	26	9	485	35	10	557	23	7
251	84	23	264	78	22	271	74	22
151	123	86	189	108	77	159	120	83
386	48	33	424	46	31	410	47	32
322	62	44	249	82	60	256	81	58
264	81	22	222	91	25	238	87	25
124	146	49	114	154	48	133	133	41
531	28	19	526	29	21	553	25	18
223	91	66	231	90	66	171	114	79
713	12	3	745	9	1	746	10	1
23	351	152	28	320	127	45	260	91
485	38	26	538	26	19	458	40	28
327	59	42	336	60	42	347	55	38
528	30	10	535	27	8	477	35	11
179	110	76	190	107	76	166	118	81
344	56	39	331	63	44	345	56	39
646	17	5	606	20	5	594	21	5
24	344	147	26	330	134	47	254	87
181	109	75	191	106	75	174	110	76
533	27	18	577	22	17	602	19	15
153	121	85	146	127	91	138	129	90
52	249	159	79	204	136	56	231	152
15	417	231	15	395	224	30	303	185
57	233	151	65	224	149	52	241	160
105	167	113	131	138	97	114	152	106
489	37	12	438	39	12	476	36	12
518	33	23	512	31	23	494	31	21
186	107	33	157	121	35	186	103	31
467	40	13	438	39	12	446	42	13
807	4	4	832	4	4	747	9	9
256	82	60	242	84	61	241	85	61

Doctorates Awarded							
Institutions with Over \$40 Million in Federal Research, Alphabetically		2018 Doctorates	2018 National Rank	2018 Control Rank	2017 Doctorates	2017 National Rank	2017 Control Rank
Public	Oregon Health & Science University	54	252	157	49	261	165
Public	Oregon State University	249	87	61	276	78	57
Public	Penn. State Univ. - Hershey Med. Ctr.	37	301	181	21	365	206
Public	Pennsylvania State Univ. - Univ. Park	668	20	14	695	15	12
Private	Princeton University	396	49	16	358	53	16
Public	Purdue University - West Lafayette	745	12	9	746	11	9
Private	Rensselaer Polytechnic Institute	164	119	36	122	150	46
Private	Rice University	207	101	31	215	98	29
Private	Rockefeller University	30	328	137	23	356	156
Private	Rush University	14	437	207	13	435	200
Public	Rutgers University - New Brunswick	737	13	10	636	19	14
Private	Scripps Research Institute						
Private	Stanford University	726	14	4	752	10	2
Public	State Univ. of NY - Polytechnic Inst.	5	571	276	0	641	287
Public	Stony Brook University	311	68	49	317	64	46
Public	Temple University	217	98	70	274	79	58
Public	Texas A&M Univ. - College Station	758	10	8	761	9	8
Private	Thomas Jefferson University	15	424	197	30	335	142
Private	Tufts University	158	130	41	139	133	40
Private	Tulane University	130	144	44	146	130	39
Public	Uniformed Services Univ. of the HS						
Public	University at Albany	172	117	82	167	121	84
Public	University at Buffalo	332	62	45	343	56	40
Public	University of Alabama - Birmingham	161	125	87	126	144	101
Public	University of Alabama - Huntsville	25	353	197	41	291	178
Public	University of Alaska - Fairbanks	55	246	154	49	261	165
Public	University of Arizona	451	39	28	442	41	28
Public	University of Arkansas - Fayetteville	204	103	71	168	120	83
Public	Univ. of Arkansas for Med. Sciences	42	287	174	41	291	178
Public	University of California - Berkeley	871	2	2	818	5	5
Public	University of California - Davis	562	25	17	517	31	22
Public	University of California - Irvine	380	53	37	403	45	32
Public	University of California - Los Angeles	721	15	11	770	8	7
Public	University of California - Riverside	305	70	51	268	80	59
Public	University of California - San Diego	515	33	22	531	30	21
Public	Univ. of California - San Francisco	135	139	98	138	134	94
Public	Univ. of California - Santa Barbara	361	55	39	321	63	45
Public	University of California - Santa Cruz	159	127	88	167	121	84
Public	University of Central Florida	277	77	56	279	77	56
Private	University of Chicago	439	41	13	395	47	14
Public	University of Cincinnati - Cincinnati	244	88	62	233	92	66
Public	University of Colorado - Boulder	407	48	33	408	44	31
Public	U. of Colorado - Den./Anschutz Med.	128	146	102	132	138	97
Public	Univ. of Connecticut - Health Center	26	348	195	33	324	193
Public	University of Connecticut - Storrs	316	67	48	328	61	43
Private	University of Dayton	41	290	115	39	301	118
Public	University of Delaware	258	84	58	254	85	63
Public	University of Florida	772	7	7	728	12	10
Public	University of Georgia	546	28	19	543	28	19

The Top American Research Universities

2016 Doctorates	2016 National Rank	2016 Control Rank	2015 Doctorates	2015 National Rank	2015 Control Rank	2014 Doctorates	2014 National Rank	2014 Control Rank
44	273	174	43	268	171	46	256	169
214	95	68	215	94	69	186	103	73
24	344	198	26	330	197	22	348	206
659	16	12	673	17	14	638	15	13
373	50	17	371	51	17	389	50	17
727	8	7	717	12	11	732	11	10
142	132	41	164	119	34	135	131	40
211	97	29	176	113	33	191	101	30
31	316	129	28	320	127	23	340	138
20	376	162	17	382	162	9	444	203
620	19	14	597	21	16	369	52	35
763	7	1	688	13	2	729	12	2
1	598	276	0	622	288	0	613	285
350	53	36	347	57	40	301	67	48
256	82	60	197	101	72	238	87	63
705	13	10	740	10	9	709	13	11
13	427	195	21	352	143	27	321	124
135	136	43	116	153	47	128	136	42
135	136	43	123	147	45	110	159	50
193	104	73	164	119	86	186	103	73
340	57	40	342	58	41	360	53	36
149	127	89	170	115	82	166	118	81
34	305	184	33	294	181	30	303	185
47	264	168	40	273	173	49	249	166
524	32	22	528	28	20	460	39	27
178	112	78	173	114	81	150	125	86
48	258	165	38	281	176	40	278	174
576	23	16	826	6	6	937	1	1
513	34	24	553	25	18	504	29	19
393	47	32	390	49	33	414	44	31
775	6	6	774	7	7	795	7	7
239	87	64	272	75	55	264	78	56
529	29	20	505	32	24	487	34	24
123	149	100	130	139	98	138	129	90
346	54	37	349	56	39	360	53	36
174	114	79	151	124	88	179	108	75
299	75	55	286	72	52	266	76	54
396	46	15	392	48	16	401	48	16
284	77	57	213	96	70	265	77	55
410	45	31	434	43	30	380	51	34
123	149	100	103	168	114	120	146	101
27	335	196	16	389	221	28	315	193
309	70	51	323	66	47	274	73	52
39	291	111	34	290	110	27	321	124
283	78	58	237	88	64	207	96	70
723	10	9	754	8	8	796	6	6
526	31	21	467	37	26	463	38	26

Doctorates Awarded		2018	2018	2018	2017	2017	2017
Institutions with Over \$40 Million in Federal Research, Alphabetically		Doctorates	National Rank	Control Rank	Doctorates	National Rank	Control Rank
Public	University of Hawaii - Manoa	204	103	71	190	111	77
Public	University of Houston - Univ. Park	389	51	35	358	53	38
Public	University of Idaho	47	274	169	54	243	156
Public	University of Illinois - Chicago	349	58	41	370	51	36
Public	Univ. of Illinois - Urbana-Champaign	816	5	5	827	2	2
Public	University of Iowa	452	38	27	464	38	27
Public	University of Kansas - Lawrence	325	64	47	310	68	50
Public	University of Kansas Medical Center	41	290	176	43	281	173
Public	University of Kentucky	309	69	50	326	62	44
Public	University of Louisville	164	119	84	158	124	87
Public	University of Maryland - Baltimore	88	194	128	88	185	126
Public	Univ. of Maryland - Baltimore County	94	181	120	88	185	126
Public	University of Maryland - College Park	641	22	15	567	24	16
Public	Univ. of Massachusetts - Amherst	295	74	54	307	69	51
Public	Univ. of Mass. Med. Sch. - Worcester	68	224	143	57	235	153
Private	University of Miami	212	99	29	209	101	31
Public	University of Michigan - Ann Arbor	874	1	1	820	4	4
Public	University of Minnesota - Twin Cities	702	16	12	702	14	11
Public	University of Missouri - Columbia	501	34	23	500	36	25
Public	University of Montana - Missoula	39	295	179	56	237	154
Public	University of Nebraska - Lincoln	283	75	55	299	71	53
Public	University of Nebraska Medical Ctr.	65	230	148	70	213	141
Public	University of Nevada - Reno	134	140	99	117	155	106
Public	Univ. of New Hampshire - Durham	76	209	133	62	227	149
Public	Univ. of New Mexico - Albuquerque	198	106	74	195	108	75
Public	Univ. of North Carolina - Chapel Hill	501	34	23	566	25	17
Public	University of North Dakota	74	211	135	91	180	123
Private	University of Notre Dame	281	76	21	239	90	26
Public	University of Oklahoma - HSC	25	353	197	44	278	171
Public	University of Oklahoma - Norman	239	91	65	213	99	70
Public	University of Oregon	182	112	78	200	105	73
Private	University of Pennsylvania	551	27	9	589	22	7
Public	University of Pittsburgh - Pittsburgh	419	46	31	416	43	30
Public	University of Rhode Island	110	168	116	100	171	117
Private	University of Rochester	261	82	26	249	88	25
Public	Univ. of South Carolina - Columbia	388	52	36	317	64	46
Public	University of South Florida - Tampa	374	54	38	332	60	42
Private	University of Southern California	762	9	2	679	17	5
Public	University of Tennessee - Knoxville	393	50	34	381	48	34
Public	University of Texas - Austin	855	3	3	827	2	2
Public	University of Texas - El Paso	92	187	125	106	163	112
Public	University of Texas HSC - Houston	178	115	80	132	138	97
Public	Univ. of Texas HSC - San Antonio	48	269	167	43	281	173
Public	U. of Texas MD Anderson Cancer Ctr.						
Public	U. of Texas Med. Branch - Galveston	40	294	178	49	261	165
Public	Univ. of Texas SW Med. Ctr. - Dallas	78	207	132	98	176	120
Public	University of Utah	346	60	43	339	57	41
Public	University of Vermont	66	227	145	69	214	142
Public	University of Virginia	360	56	40	361	52	37

The Top American Research Universities

2016 Doctorates	2016 National Rank	2016 Control Rank	2015 Doctorates	2015 National Rank	2015 Control Rank	2014 Doctorates	2014 National Rank	2014 Control Rank
204	101	71	239	87	63	194	100	71
358	51	34	326	64	45	275	72	51
69	210	139	80	201	134	87	184	125
346	54	37	314	68	49	328	61	43
726	9	8	829	5	5	804	5	5
468	39	27	453	38	27	490	33	23
314	67	48	365	53	36	290	68	49
22	360	207	25	336	199	38	282	177
313	69	50	295	69	50	328	61	43
147	128	90	170	115	82	148	126	87
67	213	141	81	199	132	63	215	141
82	193	129	100	170	116	102	170	117
592	20	15	654	18	15	620	17	14
298	76	56	268	76	56	287	70	50
64	220	145	61	230	152	58	228	150
216	93	26	208	98	28	173	111	35
848	3	3	882	2	2	881	3	3
804	5	5	725	11	10	778	8	8
416	43	30	435	42	29	390	49	33
66	214	142	50	253	163	51	244	163
307	71	52	325	65	46	313	65	46
86	187	125	81	199	132	52	241	160
130	140	96	109	158	108	118	147	102
66	214	142	75	211	140	75	197	131
200	103	72	222	91	67	231	89	64
542	24	17	519	30	22	557	23	17
76	202	135	87	187	125	59	224	147
216	93	26	244	83	23	206	97	27
29	325	190	29	314	191	33	296	182
210	98	69	218	93	68	210	95	69
159	118	83	199	100	71	155	123	84
540	25	8	566	23	6	535	26	8
461	41	28	438	39	28	496	30	20
97	175	118	93	181	122	101	171	118
301	74	20	267	77	21	281	71	21
317	65	46	358	54	37	325	63	45
314	67	48	321	67	48	330	58	40
714	11	2	685	16	3	594	21	5
356	52	35	353	55	38	458	40	28
896	1	1	899	1	1	892	2	2
78	198	132	124	144	100	118	147	102
113	161	110	153	123	87	141	128	89
59	228	148	66	223	148	54	237	157
52	249	159	39	278	174	45	260	170
98	173	117	88	186	124	92	179	122
331	58	41	384	50	34	330	58	40
78	198	132	79	204	136	71	203	136
315	66	47	366	52	35	424	43	30

Doctorates Awarded							
Institutions with Over \$40 Million in Federal Research, Alphabetically		2018 Doctorates	2018 National Rank	2018 Control Rank	2017 Doctorates	2017 National Rank	2017 Control Rank
Public	University of Washington - Seattle	633	23	16	624	20	15
Public	University of Wisconsin - Madison	805	6	6	876	1	1
Public	University of Wyoming	113	161	112	106	163	112
Public	Utah State University	99	177	117	95	177	121
Private	Vanderbilt University	324	65	18	337	58	17
Public	Virginia Commonwealth University	326	63	46	306	70	52
Public	Virginia Polytechnic Inst. and St. U.	472	37	26	516	32	23
Private	Wake Forest University	36	304	122	64	222	76
Public	Washington State Univ. - Pullman	336	61	44	315	66	48
Private	Washington University in St. Louis	262	81	25	288	73	19
Public	Wayne State University	223	95	68	268	80	59
Private	Weill Cornell Medical College	56	245	92	54	243	88
Public	West Virginia University	190	108	75	239	90	65
Private	Woods Hole Oceanographic Inst.						
Private	Yale University	433	43	15	375	49	15
Private	Yeshiva University	101	172	56	102	168	52

2016 Doctorates	2016 National Rank	2016 Control Rank	2015 Doctorates	2015 National Rank	2015 Control Rank	2014 Doctorates	2014 National Rank	2014 Control Rank
632	18	13	687	14	12	663	14	12
870	2	2	857	3	3	813	4	4
99	171	116	93	181	122	107	162	111
94	179	121	102	169	115	109	161	110
322	62	19	340	59	18	318	64	19
306	72	53	282	73	53	329	60	42
492	36	25	488	33	25	494	31	21
58	230	81	53	248	89	53	239	81
322	62	44	281	74	54	260	80	57
266	80	21	292	70	20	261	79	23
222	92	67	242	84	61	244	84	60
58	230	81	68	220	74	70	205	68
210	98	69	183	109	78	155	123	84
411	44	14	426	45	15	413	45	14
152	122	37	96	177	59	124	138	44

Postdoctoral Appointees							
Institutions with Over \$40 Million in Federal Research, Alphabetically		2017 Postdocs	2017 National Rank	2017 Control Rank	2016 Postdocs	2016 National Rank	2016 Control Rank
Public	Arizona State University	288	63	39	251	73	45
Public	Auburn University	70	143	94	55	155	104
Public	Augusta University	100	123	79	166	98	64
Private	Baylor College of Medicine	533	36	18	522	36	19
Private	Boston University	348	49	24	328	58	24
Private	Brandeis University	101	122	44	105	122	43
Private	Brown University	232	77	28	305	60	25
Private	California Institute of Technology	629	26	12	601	32	16
Private	Carnegie Mellon University	259	71	26	220	83	31
Private	Case Western Reserve University	191	93	34	261	71	28
Public	Clemson University	94	129	83	86	134	87
Public	Cleveland State University	4	293	195	4	300	201
Private	Cold Spring Harbor Laboratory	163	101	37	151	104	38
Public	Colorado State Univ. - Fort Collins	267	70	45	249	74	46
Private	Columbia University	1,272	6	5	1,219	8	5
Private	Cornell University	460	42	20	444	45	22
Private	Dartmouth College	168	99	35	176	95	34
Private	Drexel University	90	132	48	85	135	48
Private	Duke University	600	29	14	587	33	17
Private	Emory University	538	35	17	641	23	10
Public	Florida International University	222	82	54	211	90	59
Public	Florida State University	225	80	52	218	86	55
Public	George Mason University	30	189	130	44	171	115
Private	George Washington University	93	131	47	99	127	46
Private	Georgetown University	97	127	46	104	123	44
Public	Georgia Institute of Technology	289	62	38	284	64	39
Public	Georgia State University	87	133	85	73	140	91
Private	Harvard University	6,023	1	1	5,873	1	1
Private	Icahn School of Med. at Mount Sinai	668	21	9	635	25	11
Public	Indiana University - Bloomington	427	47	24	404	47	25
Public	Iowa State University	326	54	30	308	59	35
Private	Johns Hopkins University	1,768	3	3	1,697	3	3
Public	Kansas State University	197	92	59	102	125	80
Public	Louisiana State Univ. - Baton Rouge	126	113	73	119	119	77
Private	Massachusetts Inst. of Technology	1,423	4	4	1,503	4	4
Private	Medical College of Wisconsin	126	113	41	104	123	44
Public	Medical University of South Carolina	172	97	63	173	96	62
Public	Michigan State University	555	33	18	522	36	18
Public	Mississippi State University	48	162	110	40	173	116
Public	Montana State University - Bozeman	47	164	112	47	167	112
Public	Naval Postgraduate School	16	227	157	19	226	153
Public	New Jersey Institute of Technology	25	206	141	34	185	127
Public	New Mexico State Univ. - Las Cruces	24	210	145	17	234	160
Private	New York University	666	22	10	647	22	9
Public	North Carolina State University	517	37	19	485	41	21
Private	Northeastern University	164	100	36	149	105	39
Private	Northwestern University	989	15	8	813	17	8
Public	Ohio State University - Columbus	659	23	13	638	24	14
Public	Oklahoma State University - Stillwater	53	158	107	53	158	107

The Top American Research Universities

2015 Postdocs	2015 National Rank	2015 Control Rank	2014 Postdocs	2014 National Rank	2014 Control Rank	2013 Postdocs	2013 National Rank	2013 Control Rank
257	71	42	253	68	42	257	69	42
40	175	121	40	175	121	36	176	125
159	98	64	188	91	57	139	107	71
537	37	19	594	31	16	596	29	14
421	46	23	444	45	23	464	39	20
95	129	45	102	128	45	116	118	40
252	74	30	244	71	27	259	68	27
552	35	18	552	34	18	579	31	16
193	90	33	215	81	30	194	87	31
271	66	27	190	90	34	224	81	29
77	140	92	65	144	95	42	166	116
3	310	208	3	314	211	8	264	186
143	104	36	153	104	38			
254	73	44	297	63	37	290	60	34
1,249	7	5	1,274	6	5	1,232	7	5
502	39	21	466	39	21	437	41	21
204	87	32	222	78	28	228	76	28
93	130	46	74	140	49	69	140	45
584	31	15	656	23	11	732	19	8
642	24	11	674	20	9	712	21	10
75	142	94	64	146	97	49	156	108
202	88	56	211	83	53	212	85	56
44	168	115	33	186	130	32	188	134
111	119	42	94	133	47	80	135	44
109	120	43	127	116	40	115	119	41
237	77	47	217	80	51	267	65	39
76	141	93	76	139	91	56	147	99
5,674	1	1	5,761	1	1	5,809	1	1
643	23	10	670	21	10	621	26	12
365	50	27	144	108	69	117	117	78
99	59	35	331	55	32	299	59	33
1,679	3	3	1,715	3	3	1,693	3	3
146	101	66	142	111	72	136	109	73
148	100	65	141	112	73	149	102	66
1,493	4	4	1,516	4	4	1,406	4	4
66	145	49	175	94	35	122	112	38
178	93	59	173	95	60	179	91	57
471	44	22	450	43	21	446	40	20
51	157	106	46	166	114	41	169	119
51	157	106	38	178	124	42	166	116
22	219	153	16	227	160	24	202	145
42	171	117	24	202	142	39	170	120
24	212	147	28	195	137	24	202	145
680	20	9	596	30	15	593	30	15
497	40	19	473	38	18	490	36	18
114	117	41	117	122	43	105	126	42
746	19	8	708	18	8	716	20	9
619	27	15	629	28	15	625	25	14
53	155	105	57	150	100	52	150	102

Postdoctoral Appointees		2017	2017	2017	2016	2016	2016
Institutions with Over \$40 Million in Federal Research, Alphabetically		Postdocs	National Rank	Control Rank	Postdocs	National Rank	Control Rank
Public	Oregon Health & Science University	284	66	42	304	61	36
Public	Oregon State University	236	76	49	213	89	58
Public	Penn. State Univ. - Hershey Med. Ctr.	82	136	88	123	115	74
Public	Pennsylvania State Univ. - Univ. Park	317	56	32	338	53	30
Private	Princeton University	592	30	15	522	36	19
Public	Purdue University - West Lafayette	385	48	25	411	46	24
Private	Rensselaer Polytechnic Institute	73	141	49	70	142	50
Private	Rice University	200	91	33	208	91	32
Private	Rockefeller University	277	67	25	275	65	26
Private	Rush University	35	179	58	35	183	58
Public	Rutgers University - New Brunswick	306	57	33	303	62	37
Private	Scripps Research Institute	554	34	16	554	35	18
Private	Stanford University	2,266	2	2	2,228	2	2
Public	State Univ. of NY - Polytechnic Inst.	8	266	182	8	269	185
Public	Stony Brook University	271	68	43	264	69	42
Public	Temple University	162	102	65	194	93	60
Public	Texas A&M Univ. - College Station	601	28	15	602	31	16
Private	Thomas Jefferson University	123	115	42	130	112	40
Private	Tufts University	206	87	32	205	92	33
Private	Tulane University	118	120	43	128	114	41
Public	Uniformed Services Univ. of the HS	33	183	124	33	188	130
Public	University at Albany	73	141	93	68	143	93
Public	University at Buffalo	287	65	41	273	66	40
Public	University of Alabama - Birmingham	270	69	44	247	76	47
Public	University of Alabama - Huntsville	14	241	167	15	238	163
Public	University of Alaska - Fairbanks	35	179	122	32	193	134
Public	University of Arizona	485	41	22	451	43	23
Public	University of Arkansas - Fayetteville	62	149	98	36	179	122
Public	Univ. of Arkansas for Med. Sciences	80	139	91	83	137	89
Public	University of California - Berkeley	1,146	8	3	795	18	10
Public	University of California - Davis	831	17	9	837	15	8
Public	University of California - Irvine	345	50	26	338	53	30
Public	University of California - Los Angeles	1,107	9	4	1,120	10	4
Public	University of California - Riverside	223	81	53	215	87	56
Public	University of California - San Diego	1,255	7	2	1,319	5	1
Public	Univ. of California - San Francisco	1,077	11	5	1,037	11	5
Public	Univ. of California - Santa Barbara	318	55	31	297	63	38
Public	University of California - Santa Cruz	136	111	71	136	108	69
Public	University of Central Florida	94	129	83	67	146	96
Private	University of Chicago	437	46	23	606	29	14
Public	University of Cincinnati - Cincinnati	296	61	37	337	55	32
Public	University of Colorado - Boulder	887	16	8	939	13	6
Public	U. of Colorado - Den./Anschutz Med.	329	52	28	332	57	34
Public	Univ. of Connecticut - Health Center	122	117	75	95	130	84
Public	University of Connecticut - Storrs	98	126	81	138	106	67
Private	University of Dayton	5	281	94	15	238	76
Public	University of Delaware	144	105	67	137	107	68
Public	University of Florida	579	31	16	666	21	13
Public	University of Georgia	229	79	51	260	72	44

The Top American Research Universities

2015 Postdocs	2015 National Rank	2015 Control Rank	2014 Postdocs	2014 National Rank	2014 Control Rank	2013 Postdocs	2013 National Rank	2013 Control Rank
292	61	37	270	65	39	280	64	38
212	84	53	201	85	54	237	70	43
114	117	77	91	134	87	95	127	85
322	55	31	365	50	27	380	44	23
526	38	20	464	41	22	527	34	17
389	48	25	358	51	28	289	61	35
83	135	48	82	137	48	85	131	43
263	68	28	206	84	31	182	90	34
292	61	25	298	62	26	303	57	26
28	197	60	33	186	57	33	186	54
306	56	32	345	54	31	237	70	43
573	33	17	648	24	12			
2,264	2	2	2,048	2	2	1,976	2	2
263	68	41	224	77	50	236	72	45
167	95	61	192	89	56	156	100	64
615	28	16	386	48	25	341	51	28
117	116	40	119	121	42	134	110	37
182	92	34	194	88	33	194	87	31
133	106	37	124	117	41	162	96	36
33	182	126	36	181	127	42	166	116
86	133	86	69	141	92	80	135	92
256	72	43	301	60	35	266	66	40
252	74	45	228	75	48	226	78	50
13	246	173	19	217	152	14	236	169
37	178	124	47	163	111	50	155	107
471	44	22	451	42	20	303	57	32
69	143	95	62	148	99	60	145	97
23	216	151	57	150	100	54	148	100
1,184	9	4	1,148	10	4	1,255	6	2
833	15	8	765	17	10	779	15	8
297	60	36	315	57	33	325	53	29
1,016	12	6	1,088	11	5	1,084	11	5
190	91	58	141	112	73	143	104	68
1,250	6	2	1,338	5	1	1,275	5	1
1,041	11	5	1,051	12	6	1,047	12	6
306	56	32	285	64	38	281	63	37
125	110	73	120	120	79	122	112	75
51	157	106	47	163	111	52	150	102
586	30	14	583	32	17	598	28	13
303	58	34	466	39	19	468	38	19
911	13	7	879	14	7	836	14	7
288	63	38	267	66	40	285	62	36
105	124	81	104	127	83	122	112	75
108	121	78	121	119	78	115	119	79
9	264	80	10	265	81	7	269	80
132	108	71	166	100	63	131	111	74
679	21	12	644	25	13	677	23	12
250	76	46	231	74	47	228	76	49

Postdoctoral Appointees							
Institutions with Over \$40 Million in Federal Research, Alphabetically		2017 Postdocs	2017 National Rank	2017 Control Rank	2016 Postdocs	2016 National Rank	2016 Control Rank
Public	University of Hawaii - Manoa	203	89	57	247	76	47
Public	University of Houston - Univ. Park	237	75	48	263	70	43
Public	University of Idaho	64	145	96	67	146	96
Public	University of Illinois - Chicago	204	88	56	229	81	51
Public	Univ. of Illinois - Urbana-Champaign	459	44	23	512	39	19
Public	University of Iowa	329	52	28	345	51	28
Public	University of Kansas - Lawrence	112	121	78	91	131	85
Public	University of Kansas Medical Center	76	140	92	99	127	82
Public	University of Kentucky	184	94	60	233	80	50
Public	University of Louisville	81	138	90	97	129	83
Public	University of Maryland - Baltimore	334	51	27	334	56	33
Public	Univ. of Maryland - Baltimore County	37	177	120	37	177	120
Public	University of Maryland - College Park	513	39	21	479	42	22
Public	Univ. of Massachusetts - Amherst	151	104	66	132	110	71
Public	Univ. of Mass. Med. Sch. - Worcester	302	60	36	359	49	26
Private	University of Miami	219	83	29	268	68	27
Public	University of Michigan - Ann Arbor	1,368	5	1	1,313	6	2
Public	University of Minnesota - Twin Cities	1,031	13	6	906	14	7
Public	University of Missouri - Columbia	245	72	46	219	84	53
Public	University of Montana - Missoula	56	156	105	36	179	122
Public	University of Nebraska - Lincoln	181	95	61	219	84	53
Public	University of Nebraska Medical Ctr.	143	107	69	121	116	75
Public	University of Nevada - Reno	86	134	86	89	133	86
Public	Univ. of New Hampshire - Durham	55	157	106	52	161	108
Public	Univ. of New Mexico - Albuquerque	96	128	82	120	117	76
Public	Univ. of North Carolina - Chapel Hill	806	18	10	825	16	9
Public	University of North Dakota	30	189	130	36	179	122
Private	University of Notre Dame	64	145	50	152	103	37
Public	University of Oklahoma - HSC	123	115	74	102	125	80
Public	University of Oklahoma - Norman	131	112	72	134	109	70
Public	University of Oregon	62	149	98	66	148	98
Private	University of Pennsylvania	1,071	12	7	964	12	7
Public	University of Pittsburgh - Pittsburgh	726	20	12	703	20	12
Public	University of Rhode Island	39	172	118	39	174	117
Private	University of Rochester	214	85	31	249	74	29
Public	Univ. of South Carolina - Columbia	122	117	75	130	112	73
Public	University of South Florida - Tampa	288	63	39	272	67	41
Private	University of Southern California	452	45	22	449	44	21
Public	University of Tennessee - Knoxville	138	110	70	132	110	71
Public	University of Texas - Austin	305	59	35	343	52	29
Public	University of Texas - El Paso	57	153	102	56	153	103
Public	University of Texas HSC - Houston	241	73	47	243	78	49
Public	Univ. of Texas HSC - San Antonio	171	98	64	183	94	61
Public	U. of Texas MD Anderson Cancer Ctr.	651	24	14	635	25	15
Public	U. of Texas Med. Branch - Galveston	144	105	67	170	97	63
Public	U. of Texas SW Med. Ctr. - Dallas	573	32	17	564	34	17
Public	University of Utah	514	38	20	504	40	20
Public	University of Vermont	82	136	88	51	162	109
Public	University of Virginia	306	57	33	346	50	27

2015 Postdocs	2015 National Rank	2015 Control Rank	2014 Postdocs	2014 National Rank	2014 Control Rank	2013 Postdocs	2013 National Rank	2013 Control Rank
234	79	49	243	72	45	265	67	41
264	67	40	258	67	41	219	82	53
51	157	106	56	154	103	51	153	105
214	83	52	238	73	46	232	74	47
542	36	18	525	35	17	562	32	16
346	53	29	355	53	30	352	48	26
125	110	73	154	103	66	155	101	65
124	112	75	111	125	81	113	121	80
221	82	51	155	102	65	217	84	55
107	123	80	97	130	85	92	128	86
325	54	30	358	51	28	352	48	26
67	144	96	63	147	98	58	146	98
496	41	20	437	46	23	379	45	24
144	103	68	153	104	67	165	94	60
348	52	28	315	57	33	315	56	31
258	70	29	198	87	32	202	86	30
1,299	5	1	1,238	7	2	1,227	8	3
752	18	11	679	19	11	660	24	13
165	97	63	184	93	59	225	79	51
36	179	125	36	181	127	33	186	133
205	86	55	201	85	54	157	99	63
108	121	78	110	126	82	112	122	81
78	139	91	65	144	95	80	135	92
46	165	113	45	168	115	34	181	129
124	112	75	139	114	75	83	134	91
803	16	9	802	15	8	778	16	9
24	212	147	21	209	146	22	211	153
124	112	38	171	96	36	186	89	33
83	135	88	89	135	88	84	133	90
133	106	70	145	107	68	142	105	69
105	124	81	85	136	89	89	130	88
901	14	7	919	13	7	947	13	7
664	22	13	659	22	12	741	17	10
32	185	129	27	197	139	36	176	125
233	80	31	222	78	28	325	53	25
129	109	72	144	108	69	119	116	77
282	65	39	300	61	36	321	55	30
475	43	22	480	37	20	486	37	19
136	105	69	143	110	71	149	102	66
370	49	26	370	49	26	361	47	25
58	151	101	12	253	176	31	191	137
237	77	47	212	82	52	229	75	48
167	95	61	165	101	64	169	92	58
637	25	14	640	26	14	604	27	15
102	127	84	131	115	76	137	108	72
562	34	17	571	33	16	552	33	17
487	42	21	429	47	24	384	42	21
86	133	86	95	132	86	85	131	89
420	47	24	447	44	22	384	42	21

Postdoctoral Appointees

Institutions with Over \$40 Million in Federal Research, Alphabetically		2017 Postdocs	2017 National Rank	2017 Control Rank	2016 Postdocs	2016 National Rank	2016 Control Rank
Public	University of Washington - Seattle	1,023	14	7	1,264	7	3
Public	University of Wisconsin - Madison	744	19	11	745	19	11
Public	University of Wyoming	62	149	98	60	151	101
Public	Utah State University	64	145	96	47	167	112
Private	Vanderbilt University	487	40	19	618	28	13
Public	Virginia Commonwealth University	177	96	62	159	100	66
Public	Virginia Polytechnic Inst. and St. U.	230	78	50	214	88	57
Private	Wake Forest University	139	109	40	90	132	47
Public	Washington State Univ. - Pullman	201	90	58	165	99	65
Private	Washington University in St. Louis	611	27	13	629	27	12
Public	Wayne State University	122	117	75	117	120	78
Private	Weill Cornell Medical College	460	42	20	394	48	23
Public	West Virginia University	57	153	102	54	157	106
Private	Woods Hole Oceanographic Inst.	99	125	45	82	138	49
Private	Yale University	1,097	10	6	1,169	9	6
Private	Yeshiva University	240	74	27	243	78	30

2015 Postdocs	2015 National Rank	2015 Control Rank	2014 Postdocs	2014 National Rank	2014 Control Rank	2013 Postdocs	2013 National Rank	2013 Control Rank
1,205	8	3	1,184	9	3	1,187	10	4
765	17	10	767	16	9	738	18	11
54	154	104	55	155	104	66	141	96
42	171	117	47	163	111	45	160	111
629	26	12	634	27	13	678	22	11
194	89	57	249	69	43	225	79	51
225	81	50	226	76	49	235	73	46
87	131	47	152	106	39	164	95	35
175	94	60	169	97	61	166	93	59
615	28	13	625	29	14	350	50	23
146	101	66	185	92	58	158	98	62
354	51	24	322	56	24	334	52	24
51	157	106	67	143	94	38	172	121
99	128	44	97	130	46	120	115	39
1,157	10	6	1,201	8	6	1,214	9	6
283	64	26	303	59	25	365	46	22

SAT Scores		2017	2017	2017	2016	2016	2016
Institutions with Over \$40 Million in Federal Research, Alphabetically		Median SAT	National Rank	Control Rank	Median SAT	National Rank	Control Rank
Public	Arizona State University	1225	234	67	1220	209	62
Public	Auburn University	1280	155	40	1290	118	26
Public	Augusta University	940	1222	464	1040	867	330
Private	Baylor College of Medicine						
Private	Boston University	1390	63	59	1320	95	79
Private	Brandeis University	1400	58	54	1375	63	57
Private	Brown University	1460	19	19	1470	21	21
Private	California Institute of Technology	1560	1	1	1555	1	1
Private	Carnegie Mellon University	1495	11	11	1465	24	24
Private	Case Western Reserve University	1415	43	42	1470	21	21
Public	Clemson University	1340	93	10	1340	83	12
Public	Cleveland State University	1110	631	221	1110	583	215
Private	Cold Spring Harbor Laboratory						
Public	Colorado State Univ. - Fort Collins	1210	257	76	1240	180	49
Private	Columbia University	1510	6	6	1500	8	8
Private	Cornell University	1470	17	17	1430	35	35
Private	Dartmouth College	1495	11	11	1455	26	26
Private	Drexel University	1260	176	126	1190	283	198
Private	Duke University	1460	19	19	1475	19	19
Private	Emory University	1415	43	42	1395	55	49
Public	Florida International University	1160	400	134	1120	574	211
Public	Florida State University	1310	116	23	1290	118	26
Public	George Mason University	1195	296	87	1155	456	158
Private	George Washington University	1360	82	73	1288	130	100
Private	Georgetown University	1435	31	31	1420	39	38
Public	Georgia Institute of Technology	1430	32	1	1410	46	4
Public	Georgia State University	1130	538	186	1070	716	270
Private	Harvard University	1525	3	3	1515	6	6
Private	Icahn School of Med. at Mount Sinai						
Public	Indiana University - Bloomington	1310	116	23	1175	391	126
Public	Iowa State University	1210	257	76	1220	209	62
Private	Johns Hopkins University	1500	8	8	1485	15	15
Public	Kansas State University						
Public	Louisiana State Univ. - Baton Rouge	1225	234	67	1240	180	49
Private	Massachusetts Inst. of Technology	1530	2	2	1525	2	2
Private	Medical College of Wisconsin						
Public	Medical University of South Carolina						
Public	Michigan State University	1210	257	76	1275	135	34
Public	Mississippi State University	1195	296	87	1200	239	72
Public	Montana State University - Bozeman	1195	296	87	1200	239	72
Public	Naval Postgraduate School						
Public	New Jersey Institute of Technology	1280	155	40	1210	233	70
Public	New Mexico State Univ. - Las Cruces	1060	882	321	1070	716	270
Private	New York University	1390	63	59	1365	66	60
Public	North Carolina State University	1325	102	17	1340	83	12
Private	Northeastern University	1460	19	19	1485	15	15
Private	Northwestern University	1460	19	19	1500	8	8
Public	Ohio State University - Columbus	1340	93	10	1360	68	7
Public	Oklahoma State University - Stillwater	1210	257	76	1180	351	110

The Top American Research Universities

2015 Median SAT	2015 National Rank	2015 Control Rank	2014 Median SAT	2014 National Rank	2014 Control Rank	2013 Median SAT	2013 National Rank	2013 Control Rank
1170	210	68	1145	273	92	1145	309	93
1220	138	38	1220	143	38	1220	155	38
1035	631	239	1030	673	237	1015	841	286
1305	81	69	1300	82	71	1285	94	82
1360	51	48	1365	51	47	1350	58	53
1465	13	13	1440	23	23	1435	24	24
1550	1	1	1550	1	1	1545	1	1
1450	20	20	1440	23	23	1435	24	24
1400	35	34	1370	46	44	1375	42	42
1250	115	28	1245	114	27	1245	125	28
1030	642	240	1010	790	288	1030	727	233
1150	246	83	1130	286	98	1130	324	97
1475	11	11	1480	8	8	1480	8	8
1430	30	30	1420	28	28	1420	29	29
1445	21	21	1455	18	18	1455	17	17
1203	179	123	1200	174	122	1190	201	146
1455	19	19	1460	13	13	1455	17	17
1380	45	43	1370	46	44	1365	46	46
1080	452	166	1080	475	166	1150	276	80
1220	138	38	1240	118	29	1220	155	38
1145	275	96	1150	252	80	1150	276	80
1290	90	76	1295	93	80	1295	91	79
1410	32	32	1420	28	28	1405	33	33
1405	34	1	1400	35	1	1360	50	2
1060	527	195	1070	491	172	1065	588	195
1500	6	6	1505	3	3	1505	3	3
1175	206	65	1175	213	65	1175	225	64
1150	246	83	1150	252	80	1150	276	80
1445	21	21	1435	26	26	1415	30	30
1170	210	68	1170	215	66	1170	231	66
1505	5	5	1495	6	6	1500	5	5
1170	210	68	1170	215	66	1170	231	66
1150	246	83	1130	286	98	1110	367	109
1130	288	100	1130	286	98	1110	367	109
1210	152	46	1165	234	72	1140	316	94
990	855	331	990	899	333	990	972	339
1360	51	48	1345	59	54	1355	54	51
1245	117	29	1245	114	27	1225	151	36
1440	25	25	1420	28	28	1390	35	35
1440	25	25	1475	10	10	1470	11	11
1300	83	13	1300	82	12	1300	82	10
1130	288	100	1150	252	80	1150	276	80

SAT Scores		2017	2017	2017	2016	2016	2016
Institutions with Over \$40 Million in Federal Research, Alphabetically		Median SAT	National Rank	Control Rank	Median SAT	National Rank	Control Rank
Public	Oregon Health & Science University						
Public	Oregon State University	1185	338	104	1115	580	214
Public	Penn. State Univ. - Hershey Med. Ctr.						
Public	Pennsylvania State Univ. - Univ. Park	1250	196	53	1195	278	82
Private	Princeton University	1500	8	8	1495	12	12
Public	Purdue University - West Lafayette	1265	171	48	1195	278	82
Private	Rensselaer Polytechnic Institute	1410	53	50	1380	58	52
Private	Rice University	1500	8	8	1490	13	13
Private	Rockefeller University						
Private	Rush University						
Public	Rutgers University - New Brunswick	1295	131	32	1230	200	59
Private	Scripps Research Institute						
Private	Stanford University	1465	18	18	1480	18	18
Public	State Univ. of NY - Polytechnic Inst.	1145	465	162	1160	406	133
Public	Stony Brook University	1310	116	23	1260	155	39
Public	Temple University						
Public	Texas A&M Univ. - College Station	1250	196	53	1190	283	86
Private	Thomas Jefferson University						
Private	Tufts University	1445	28	28	1485	15	15
Private	Tulane University	1415	43	42	1415	42	41
Public	Uniformed Services Univ. of the HS						
Public	University at Albany	1170	383	125	1080	701	264
Public	University at Buffalo	1170	383	125	1170	395	129
Public	University of Alabama - Birmingham	1195	296	87	1200	239	72
Public	University of Alabama - Huntsville	1310	116	23	1320	95	17
Public	University of Alaska - Fairbanks	1080	802	290	1125	516	180
Public	University of Arizona						
Public	University of Arkansas - Fayetteville	1240	206	60	1260	155	39
Public	Univ. of Arkansas for Med. Sciences						
Public	University of California - Berkeley	1415	43	2	1405	47	5
Public	University of California - Davis	1245	204	59	1190	283	86
Public	University of California - Irvine	1260	176	51	1195	278	82
Public	University of California - Los Angeles	1335	99	15	1315	103	19
Public	University of California - Riverside	1195	296	87	1065	770	296
Public	University of California - San Diego	1310	116	23	1310	106	22
Public	Univ. of California - San Francisco						
Public	Univ. of California - Santa Barbara	1295	131	32	1255	174	46
Public	University of California - Santa Cruz	1250	196	53	1175	391	126
Public	University of Central Florida	1235	227	64	1175	391	126
Private	University of Chicago	1480	14	14	1525	2	2
Public	University of Cincinnati - Cincinnati	1225	234	67	1240	180	49
Public	University of Colorado - Boulder	1295	131	32	1305	110	23
Public	U. of Colorado - Den./Anschutz Med.	1180	344	108	1075	709	268
Public	Univ. of Connecticut - Health Center						
Public	University of Connecticut - Storrs	1300	129	30	1230	200	59
Private	University of Dayton	1260	176	126	1275	135	102
Public	University of Delaware	1230	229	65	1170	395	129
Public	University of Florida	1320	113	22	1275	135	34
Public	University of Georgia	1325	102	17	1240	180	49

2015 Median SAT	2015 National Rank	2015 Control Rank	2014 Median SAT	2014 National Rank	2014 Control Rank	2013 Median SAT	2013 National Rank	2013 Control Rank
1105	378	131	1105	393	132	1100	435	131
1195	183	59	1190	184	56	1195	193	51
1490	7	7	1500	5	5	1505	3	3
1205	160	50	1205	164	49	1200	192	50
1385	41	39	1395	37	36	1389	38	38
1475	11	11	1470	12	12	1460	12	12
1225	136	36	1215	157	43	1210	172	43
1485	8	8	1475	10	10	1475	10	10
1135	284	98	1090	420	144	1040	698	224
1265	104	21	1250	112	26	1250	122	27
1190	190	63	1195	179	53	1180	221	62
1445	21	21	1440	23	23	1445	20	20
1360	51	48	1360	54	50	1360	50	49
1085	441	161	1095	416	142	1100	435	131
1160	238	78	1150	252	80	1155	270	77
1150	246	83	1110	347	115	1150	276	80
1220	138	38	1220	143	38	1190	201	56
1030	642	240						
1170	210	68	1170	215	66	1170	231	66
1380	45	3	1370	46	3	1355	54	4
1205	160	50	1205	164	49	1195	193	51
1160	238	78	1160	240	73	1130	324	97
1325	71	10	1325	66	8	1300	82	10
1095	395	138	1130	286	98	1090	455	140
1335	68	9	1310	79	11	1280	99	16
1225	136	36	1235	133	33	1215	167	41
1175	206	65	1130	286	98	1095	448	138
1175	206	65	1185	209	62	1180	221	62
1520	2	2	1518	2	2	1515	2	2
1170	210	68	1170	215	66	1130	324	97
1220	138	38	1220	143	38	1205	179	46
1050	549	202	1050	560	192	1070	532	174
1235	129	33	1240	118	29	1230	147	34
1205	160	111	1205	164	116	1205	179	134
1195	183	59	1190	184	56	1170	231	66
1260	109	25	1265	104	22	1265	110	20
1240	120	31	1235	133	33	1235	142	32

SAT Scores							
Institutions with Over \$40 Million in Federal Research, Alphabetically		2017	2017	2017	2016	2016	2016
		Median SAT	National Rank	Control Rank	Median SAT	National Rank	Control Rank
Public	University of Hawaii - Manoa	1145	465	162	1080	701	264
Public	University of Houston - Univ. Park	1195	296	87	1145	463	162
Public	University of Idaho	1120	608	212	1050	794	303
Public	University of Illinois - Chicago	1140	476	165	1180	351	110
Public	Univ. of Illinois - Urbana-Champaign	1340	93	10	1360	68	7
Public	University of Iowa	1225	234	67	1240	180	49
Public	University of Kansas - Lawrence				1260	155	39
Public	University of Kansas Medical Center						
Public	University of Kentucky	1210	257	76	1240	180	49
Public	University of Louisville	1210	257	76	1240	180	49
Public	University of Maryland - Baltimore						
Public	Univ. of Maryland - Baltimore County	1250	196	53	1220	209	62
Public	University of Maryland - College Park	1375	71	7	1315	103	19
Public	Univ. of Massachusetts - Amherst	1270	165	45	1230	200	59
Public	Univ. of Mass. Med. Sch. - Worcester						
Private	University of Miami	1370	72	65	1400	49	44
Public	University of Michigan - Ann Arbor	1415	43	2	1430	35	1
Public	University of Minnesota - Twin Cities	1325	102	17	1340	83	12
Public	University of Missouri - Columbia	1240	206	60	1260	155	39
Public	University of Montana - Missoula	1160	400	134	1140	467	164
Public	University of Nebraska - Lincoln	1225	234	67	1220	209	62
Public	University of Nebraska Medical Ctr.						
Public	University of Nevada - Reno	1160	400	134	1160	406	133
Public	Univ. of New Hampshire - Durham	1165	392	130	1095	685	258
Public	Univ. of New Mexico - Albuquerque	1110	631	221	1110	583	215
Public	Univ. of North Carolina - Chapel Hill	1385	66	6	1415	42	2
Public	University of North Dakota	1160	400	134	1160	406	133
Private	University of Notre Dame	1460	19	19	1520	4	4
Public	University of Oklahoma - HSC						
Public	University of Oklahoma - Norman	1240	206	60	1260	155	39
Public	University of Oregon	1175	376	123	1100	678	254
Private	University of Pennsylvania	1480	14	14	1475	19	19
Public	University of Pittsburgh - Pittsburgh	1329	101	16	1285	131	31
Public	University of Rhode Island	1140	476	165	1070	716	270
Private	University of Rochester	1395	61	57			
Public	Univ. of South Carolina - Columbia	1295	131	32	1305	110	23
Public	University of South Florida - Tampa	1230	229	65	1160	406	133
Private	University of Southern California	1430	32	32	1390	56	50
Public	University of Tennessee - Knoxville	1280	155	40	1290	118	26
Public	University of Texas - Austin	1340	93	10	1275	135	34
Public	University of Texas - El Paso	1025	1039	380	925	1187	466
Public	University of Texas HSC - Houston						
Public	Univ. of Texas HSC - San Antonio						
Public	U. of Texas MD Anderson Cancer Ctr.						
Public	U. of Texas Med. Branch - Galveston						
Public	U. of Texas SW Med. Ctr. - Dallas						
Public	University of Utah	1225	234	67	1180	351	110
Public	University of Vermont	1265	171	48	1200	239	72
Public	University of Virginia	1405	54	4	1350	78	11

The Top American Research Universities

2015 Median SAT	2015 National Rank	2015 Control Rank	2014 Median SAT	2014 National Rank	2014 Control Rank	2013 Median SAT	2013 National Rank	2013 Control Rank
1080	452	166	1085	466	161	1085	503	159
1150	246	83	1145	273	92	1140	316	94
1055	535	197	1040	650	229	1070	532	174
1090	403	144	1130	286	98	1090	455	140
1280	94	16	1300	82	12	1280	99	16
1170	210	68	1170	215	66	1205	179	46
1150	246	83	1150	252	80	1150	276	80
1150	246	83	1150	252	80	1150	276	80
1170	210	68	1150	252	80	1150	276	80
1210	152	46	1210	162	47	1210	172	43
1315	78	11	1315	77	10	1310	75	7
1220	138	38	1215	157	43	1210	172	43
1340	64	57	1320	70	62	1325	67	61
1390	38	2	1390	38	2	1340	61	6
1280	94	16	1260	107	23	1260	111	21
1205	160	50	1170	215	66	1170	231	66
1090	403	144	1070	491	172	1090	455	140
1150	246	83	1150	252	80	1150	276	80
1080	452	166	1075	481	168	1075	521	168
1105	378	131	1100	403	138	1100	435	131
1030	642	240	1050	560	192	1030	727	233
1360	51	4	1320	70	9	1305	78	8
1090	403	144	1090	420	144	1090	455	140
1460	15	15	1460	13	13	1460	12	12
1205	160	50	1190	184	56	1190	201	56
1115	332	114	1110	347	115	1105	423	125
1465	13	13	1455	18	18	1450	19	19
1265	104	21	1270	103	21	1255	118	26
1070	462	171	1070	491	172	1070	532	174
						1350	58	53
1200	180	57	1210	162	47	1195	193	51
1170	210	68	1160	240	73	1170	231	66
1385	41	39	1380	43	41	1380	41	41
1220	138	38	1205	164	49	1205	179	46
1290	90	15	1290	94	14	1260	111	21
935	1074	428	935	1114	427	920	1253	465
1130	288	100	1130	286	98	1110	367	109
1195	183	59	1185	209	62	1185	218	61
1355	58	7	1355	56	5	1355	54	4

SAT Scores							
Institutions with Over \$40 Million in Federal Research, Alphabetically		2017 Median SAT	2017 National Rank	2017 Control Rank	2016 Median SAT	2016 National Rank	2016 Control Rank
Public	University of Washington - Seattle	1305	127	29	1245	177	47
Public	University of Wisconsin - Madison	1340	93	10	1360	68	7
Public	University of Wyoming	1195	296	87	1180	351	110
Public	Utah State University	1180	344	108	1160	406	133
Private	Vanderbilt University	1480	14	14	1520	4	4
Public	Virginia Commonwealth University	1165	392	130	1090	689	260
Public	Virginia Polytechnic Inst. and St. U.	1270	165	45	1210	233	70
Private	Wake Forest University						
Public	Washington State Univ. - Pullman	1120	608	212	1048	857	324
Private	Washington University in St. Louis	1460	19	19	1500	8	8
Public	Wayne State University	1105	690	244	1160	406	133
Private	Weill Cornell Medical College						
Public	West Virginia University	1180	344	108	1160	406	133
Private	Woods Hole Oceanographic Inst.						
Private	Yale University	1520	4	4	1510	7	7
Private	Yeshiva University	1290	149	112	1225	204	143

2015 Median SAT	2015 National Rank	2015 Control Rank	2014 Median SAT	2014 National Rank	2014 Control Rank	2013 Median SAT	2013 National Rank	2013 Control Rank
1245	117	29	1230	137	36	1230	147	34
1300	83	13	1280	97	17	1260	111	21
1130	288	100	1130	286	98	1130	324	97
1090	403	144	1070	491	172	1090	455	140
1485	8	8	1460	13	13	1460	12	12
1095	395	138	1105	393	132	1105	423	125
1210	152	46	1215	157	43	1220	155	38
1030	642	240	1030	673	237	1030	727	233
1460	15	15	1460	13	13	1460	12	12
1070	462	171	1070	491	172	1050	616	203
1110	338	117	1090	420	144	1035	714	227
1515	4	4	1505	3	3	1500	5	5
1250	115	88	1240	118	90	1235	142	111

National Merit and Achievement Scholars							
Institutions with Over \$40 Million in Federal Research, Alphabetically		2018 National Merit Scholars	2018 National Rank	2018 Control Rank	2017 National Merit Scholars	2017 National Rank	2017 Control Rank
Public	Arizona State University	151	12	6	126	18	9
Public	Auburn University	49	45	22	59	35	17
Public	Augusta University	1	239	110	3	196	91
Private	Baylor College of Medicine						
Private	Boston University	60	38	20	42	51	26
Private	Brandeis University	15	105	50	17	94	45
Private	Brown University	58	40	22	87	26	13
Private	California Institute of Technology	37	58	30	28	71	33
Private	Carnegie Mellon University	37	58	30	36	55	29
Private	Case Western Reserve University	60	38	20	64	32	17
Public	Clemson University	45	49	23	51	41	22
Public	Cleveland State University	1	239	110	0	325	140
Private	Cold Spring Harbor Laboratory						
Public	Colorado State Univ. - Fort Collins	11	120	61	8	132	67
Private	Columbia University	69	33	17	68	29	16
Private	Cornell University	78	28	14	76	27	14
Private	Dartmouth College	67	36	19	41	52	27
Private	Drexel University	3	191	100	3	196	106
Private	Duke University	106	20	11	98	22	12
Private	Emory University	77	29	15	47	44	21
Public	Florida International University	0	310	133	1	238	112
Public	Florida State University	21	87	48	25	75	40
Public	George Mason University	0	310	133	0	325	140
Private	George Washington University	5	153	77	21	82	39
Private	Georgetown University	38	56	29	35	57	31
Public	Georgia Institute of Technology	105	21	10	65	31	15
Public	Georgia State University	1	239	110	0	325	140
Private	Harvard University	195	4	3	219	4	3
Private	Icahn School of Med. at Mount Sinai	0	310	178	0	325	186
Public	Indiana University - Bloomington	51	44	21	57	36	18
Public	Iowa State University	27	70	36	29	69	37
Private	Johns Hopkins University	49	45	24	45	48	25
Public	Kansas State University	10	121	62	7	140	69
Public	Louisiana State Univ. - Baton Rouge	24	73	38	24	76	41
Private	Massachusetts Inst. of Technology	147	13	7	156	11	7
Private	Medical College of Wisconsin						
Public	Medical University of South Carolina						
Public	Michigan State University	53	43	20	54	40	21
Public	Mississippi State University	45	49	23	35	57	27
Public	Montana State University - Bozeman	9	125	64	12	111	59
Public	Naval Postgraduate School						
Public	New Jersey Institute of Technology	2	206	98	1	238	112
Public	New Mexico State Univ. - Las Cruces	0	310	133	0	325	140
Private	New York University	20	90	41	12	111	53
Public	North Carolina State University	7	138	72	11	116	61
Private	Northeastern University	118	18	9	153	13	9
Private	Northwestern University	172	9	5	200	7	5
Public	Ohio State University - Columbus	32	63	32	30	66	34
Public	Oklahoma State University - Stillwater	22	84	45	11	116	61

The Top American Research Universities

2016 National Merit Scholars	2016 National Rank	2016 Control Rank	2015 National Merit Scholars	2015 National Rank	2015 Control Rank	2014 National Merit Scholars	2014 National Rank	2014 Control Rank
109	19	9	112	17	7	118	17	5
60	32	13	64	30	14	74	27	10
2	209	96	3	193	87	0	343	146
56	34	20	35	60	31	36	61	34
11	115	56	12	114	59	15	107	55
100	21	12	76	24	14	104	22	14
44	46	27	45	48	27	43	51	30
55	35	21	51	44	25	38	58	32
72	28	16	60	34	19	51	42	26
43	47	20	55	41	19	43	51	22
0	331	145	1	247	107	0	343	146
9	127	66	4	173	80	5	170	76
67	30	18	78	23	13	103	23	15
81	23	13	72	26	16	92	24	16
49	43	25	64	30	17	63	33	20
4	169	91	7	143	77	5	170	95
106	20	11	108	19	11	127	16	12
54	38	22	58	38	21	54	39	23
0	331	145	0	326	139	1	257	111
22	80	41	22	84	41	14	110	54
1	243	108	1	247	107	1	257	111
17	92	43	17	96	48	20	94	48
33	63	33	32	68	36	35	62	35
55	35	15	59	36	17	57	36	15
0	331	145	0	326	139	4	183	82
233	3	2	209	4	3	309	3	2
0	331	187	0	326	188	0	343	198
52	39	17	68	28	12	48	47	19
35	60	28	33	64	31	43	51	22
47	44	26	47	45	26	43	51	30
6	148	74	9	128	60	6	159	68
25	73	36	27	74	34	25	84	42
154	11	7	139	14	9	185	10	9
34	62	30	43	51	23	45	48	20
37	56	25	37	56	27	41	55	24
12	112	58	7	143	67	8	144	66
2	209	96	0	326	139	1	257	111
0	331	145	0	326	139	0	343	146
15	100	47	12	114	59	20	94	48
8	134	68	5	158	73	11	124	59
81	23	13	85	22	12	114	18	13
168	7	6	206	5	4	228	8	7
19	85	45	18	93	46	16	103	51
13	108	56	17	96	49	25	84	42

National Merit and Achievement Scholars							
Institutions with Over \$40 Million in Federal Research, Alphabetically		2018 National Merit Scholars	2018 National Rank	2018 Control Rank	2017 National Merit Scholars	2017 National Rank	2017 Control Rank
Public	Oregon Health & Science University						
Public	Oregon State University	18	95	52	13	107	57
Public	Penn. State Univ. - Hershey Med. Ctr.						
Public	Pennsylvania State Univ. - Univ. Park	24	73	38	18	92	48
Private	Princeton University	90	23	13	123	19	10
Public	Purdue University - West Lafayette	133	15	8	141	15	6
Private	Rensselaer Polytechnic Institute	32	63	32	21	82	39
Private	Rice University	55	42	23	57	36	19
Private	Rockefeller University						
Private	Rush University						
Public	Rutgers University - New Brunswick	40	54	27	45	48	24
Private	Scripps Research Institute						
Private	Stanford University	157	10	6	168	8	6
Public	State Univ. of NY - Polytechnic Inst.	0	310	133	0	325	140
Public	Stony Brook University	9	125	64	19	89	45
Public	Temple University	3	191	92	4	180	83
Public	Texas A&M Univ. - College Station	178	7	3	148	14	5
Private	Thomas Jefferson University	0	310	178	0	325	186
Private	Tufts University	48	47	25	36	55	29
Private	Tulane University	24	73	36	32	63	32
Public	Uniformed Services Univ. of the HS	0	310	133	0	325	140
Public	University at Albany	0	310	133	0	325	140
Public	University at Buffalo	2	206	98	2	215	100
Public	University of Alabama - Birmingham	22	84	45	30	66	34
Public	University of Alabama - Huntsville	4	170	84	5	167	77
Public	University of Alaska - Fairbanks	0	310	133	0	325	140
Public	University of Arizona	43	52	25	30	66	34
Public	University of Arkansas - Fayetteville	42	53	26	50	42	23
Public	Univ. of Arkansas for Med. Sciences	0	310	133	0	325	140
Public	University of California - Berkeley	124	16	9	136	16	7
Public	University of California - Davis	9	125	64	5	167	77
Public	University of California - Irvine	8	132	69	1	238	112
Public	University of California - Los Angeles	77	29	15	57	36	18
Public	University of California - Riverside	0	310	133	0	325	140
Public	University of California - San Diego	19	93	51	16	98	53
Public	Univ. of California - San Francisco						
Public	Univ. of California - Santa Barbara	4	170	84	6	152	74
Public	University of California - Santa Cruz	1	239	110	0	325	140
Public	University of Central Florida	83	26	13	89	25	13
Private	University of Chicago	249	2	2	259	2	1
Public	University of Cincinnati - Cincinnati	77	29	15	64	32	16
Public	University of Colorado - Boulder	8	132	69	3	196	91
Public	U. of Colorado - Den./Anschutz Med.	0	310	133	1	238	112
Public	Univ. of Connecticut - Health Center						
Public	University of Connecticut - Storrs	4	170	84	5	167	77
Private	University of Dayton	3	191	100	4	180	98
Public	University of Delaware	2	206	98	2	215	100
Public	University of Florida	231	3	1	202	6	2
Public	University of Georgia	56	41	19	45	48	24

The Top American Research Universities

2016 National Merit Scholars	2016 National Rank	2016 Control Rank	2015 National Merit Scholars	2015 National Rank	2015 Control Rank	2014 National Merit Scholars	2014 National Rank	2014 Control Rank
8	134	68	4	173	80	13	115	57
16	97	52	21	85	42	24	87	44
117	18	10	146	11	8	179	11	10
125	15	6	94	21	10	28	75	36
25	73	38	19	90	46	32	67	37
67	30	18	59	36	20	64	31	18
35	60	28	35	60	30	35	62	28
179	6	5	176	7	6	249	5	4
0	331	145	0	326	139	0	343	146
24	77	39	25	77	37	11	124	59
0	331	145	1	247	107	1	257	111
122	16	7	142	13	5	165	12	2
0	331	187	0	326	188	0	343	198
50	40	23	55	41	23	64	31	18
39	54	31	33	64	34	44	50	29
0	331	145	0	326	139	0	343	146
0	331	145	0	326	139	0	343	146
1	243	108	1	247	107	2	223	98
22	80	41	24	79	38	21	92	46
1	243	108	2	217	91	1	257	111
0	331	145	0	326	139	1	257	111
43	47	20	65	29	13	71	28	11
45	45	19	37	56	27	40	56	25
0	331	145	0	326	139	0	343	146
161	8	2	129	16	6	114	18	6
4	169	79	3	193	87	1	257	111
3	190	86	2	217	91	4	183	82
43	47	20	43	51	23	32	67	31
1	243	108	1	247	107	0	343	146
19	85	45	18	93	46	14	110	54
3	190	86	4	173	80	3	203	92
0	331	145	0	326	139	0	343	146
77	26	11	69	27	11	84	26	9
277	2	1	294	1	1	315	1	1
50	40	18	44	49	22	49	45	17
10	120	61	5	158	73	6	159	68
0	331	145	0	326	139	0	343	146
2	209	96	2	217	91	1	257	111
1	243	136	4	173	94	3	203	112
3	190	86	3	193	87	4	183	82
158	9	3	146	11	4	32	67	31
39	54	24	42	54	25	45	48	20

National Merit and Achievement Scholars							
Institutions with Over \$40 Million in Federal Research, Alphabetically		2018 National Merit Scholars	2018 National Rank	2018 Control Rank	2017 National Merit Scholars	2017 National Rank	2017 Control Rank
Public	University of Hawaii - Manoa	0	310	133	0	325	140
Public	University of Houston - Univ. Park	17	99	54	14	105	56
Public	University of Idaho	14	108	57	22	77	42
Public	University of Illinois - Chicago	2	206	98	4	180	83
Public	Univ. of Illinois - Urbana-Champaign	24	73	38	31	64	32
Public	University of Iowa	22	84	45	31	64	32
Public	University of Kansas - Lawrence	20	90	50	35	57	27
Public	University of Kansas Medical Center						
Public	University of Kentucky	66	37	18	103	21	10
Public	University of Louisville	23	80	42	22	77	42
Public	University of Maryland - Baltimore	0	310	133	0	325	140
Public	Univ. of Maryland - Baltimore County	4	170	84	4	180	83
Public	University of Maryland - College Park	88	25	12	66	30	14
Public	Univ. of Massachusetts - Amherst	3	191	92	0	325	140
Public	Univ. of Mass. Med. Sch. - Worcester						
Private	University of Miami	24	73	36	22	77	36
Public	University of Michigan - Ann Arbor	80	27	14	90	23	11
Public	University of Minnesota - Twin Cities	137	14	7	159	10	4
Public	University of Missouri - Columbia	29	68	35	17	94	50
Public	University of Montana - Missoula	3	191	92	1	238	112
Public	University of Nebraska - Lincoln	35	61	30	35	57	27
Public	University of Nebraska Medical Ctr.						
Public	University of Nevada - Reno	15	105	56	19	89	45
Public	Univ. of New Hampshire - Durham	1	239	110	0	325	140
Public	Univ. of New Mexico - Albuquerque	13	112	58	9	128	65
Public	Univ. of North Carolina - Chapel Hill	34	62	31	29	69	37
Public	University of North Dakota	6	142	74	7	140	69
Private	University of Notre Dame	69	33	17	48	43	20
Public	University of Oklahoma - HSC	0	310	133	0	325	140
Public	University of Oklahoma - Norman	156	11	5	317	1	1
Public	University of Oregon	8	132	69	4	180	83
Private	University of Pennsylvania	111	19	10	112	20	11
Public	University of Pittsburgh - Pittsburgh	17	99	54	12	111	59
Public	University of Rhode Island	0	310	133	0	325	140
Private	University of Rochester	28	69	34	27	72	34
Public	Univ. of South Carolina - Columbia	68	35	17	55	39	20
Public	University of South Florida - Tampa	23	80	42	15	100	54
Private	University of Southern California	276	1	1	257	3	2
Public	University of Tennessee - Knoxville	21	87	48	20	87	44
Public	University of Texas - Austin	90	23	11	90	23	11
Public	University of Texas - El Paso	0	310	133	0	325	140
Public	University of Texas HSC - Houston						
Public	Univ. of Texas HSC - San Antonio						
Public	U. of Texas MD Anderson Cancer Ctr.						
Public	U. of Texas Med. Branch - Galveston						
Public	Univ. of Texas SW Med. Ctr. - Dallas						
Public	University of Utah	36	60	29	33	62	31
Public	University of Vermont	0	310	133	1	238	112
Public	University of Virginia	38	56	28	41	52	26

The Top American Research Universities

2016 National Merit Scholars	2016 National Rank	2016 Control Rank	2015 National Merit Scholars	2015 National Rank	2015 Control Rank	2014 National Merit Scholars	2014 National Rank	2014 Control Rank
0	331	145	0	326	139	0	343	146
25	73	36	29	72	33	33	64	29
17	92	50	23	80	39	23	88	45
2	209	96	1	247	107	3	203	92
29	67	32	26	75	35	39	57	26
26	70	35	20	87	43	26	81	40
18	91	49	26	75	35	30	73	34
99	22	10	111	18	8	109	20	7
20	83	43	19	90	45	18	98	48
0	331	145	0	326	139	0	343	146
3	190	86	2	217	91	9	136	63
55	35	15	61	33	15	63	33	14
1	243	108	1	247	107	3	203	92
36	57	32	35	60	31	50	44	28
60	32	13	56	40	18	66	30	13
150	12	5	147	10	3	141	15	4
13	108	56	18	93	46	30	73	34
2	209	96	2	217	91	6	159	68
36	57	26	47	45	20	33	64	29
10	120	61	16	98	50	14	110	54
0	331	145	0	326	139	0	343	146
20	83	43	14	106	55	19	97	47
28	69	34	20	87	43	49	45	17
0	331	145	2	217	91	2	223	98
43	47	28	57	39	22	51	42	26
0	331	145	0	326	139	0	343	146
279	1	1	288	2	1	313	2	1
9	127	66	6	152	69	10	132	61
134	14	9	139	14	9	143	13	11
25	73	36	16	98	50	28	75	36
0	331	145	0	326	139	0	343	146
24	77	39	37	56	30	28	75	40
36	57	26	46	47	21	56	38	16
12	112	58	9	128	60	9	136	63
230	4	3	226	3	2	240	6	5
19	85	45	23	80	39	31	71	33
74	27	12	60	34	16	71	28	11
0	331	145	0	326	139	0	343	146
33	63	31	33	64	31	26	81	40
10	120	61	10	120	57	10	132	61
29	67	32	36	59	29	38	58	27

National Merit and Achievement Scholars

Institutions with Over \$40 Million in Federal Research, Alphabetically		2018 National Merit Scholars	2018 National Rank	2018 Control Rank	2017 National Merit Scholars	2017 National Rank	2017 Control Rank
Public	University of Washington - Seattle	27	70	36	15	100	54
Public	University of Wisconsin - Madison	24	73	38	19	89	45
Public	University of Wyoming	6	142	74	3	196	91
Public	Utah State University	2	206	98	4	180	83
Private	Vanderbilt University	182	6	4	219	4	3
Public	Virginia Commonwealth University	6	142	74	5	167	77
Public	Virginia Polytechnic Inst. and St. U.	5	153	77	5	167	77
Private	Wake Forest University	4	170	87	2	215	116
Public	Washington State Univ. - Pullman	4	170	84	11	116	61
Private	Washington University in St. Louis	45	49	27	38	54	28
Public	Wayne State University	2	206	98	6	152	74
Private	Weill Cornell Medical College						
Public	West Virginia University	18	95	52	17	94	50
Private	Woods Hole Oceanographic Inst.						
Private	Yale University	124	16	8	156	11	7
Private	Yeshiva University	1	239	130	0	325	186

2016 National Merit Scholars	2016 National Rank	2016 Control Rank	2015 National Merit Scholars	2015 National Rank	2015 Control Rank	2014 National Merit Scholars	2014 National Rank	2014 Control Rank
23	79	40	12	114	56	18	98	48
17	92	50	15	102	53	16	103	51
2	209	96	5	158	73	4	183	82
0	331	145	1	247	107	1	257	111
220	5	4	206	5	4	260	4	3
10	120	61	0	326	139	5	170	76
0	331	145	4	173	80	4	183	82
2	209	114	0	326	188	9	136	74
2	209	96	5	158	73	6	159	68
33	63	33	32	68	36	223	9	8
10	120	61	7	143	67	9	136	63
19	85	45	10	120	57	27	80	39
147	13	8	166	8	7	237	7	6
3	190	105	0	326	188	2	223	126

Change: Research		Total Research in Constant 1983 Dollars					
Institutions with Over \$40 Million in Federal Research, Alphabetically		2017 Total Research x \$1000	2008 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	146,990	94,978	52,012	54.8%	22	17
Public	Auburn University	50,791	53,796	-3,005	-5.6%	-8	-6
Public	Augusta University	30,240	20,893	9,347	44.7%	27	25
Private	Baylor College of Medicine	183,603	164,444	19,159	11.7%	-2	-2
Private	Boston University	121,022	93,338	27,684	29.7%	13	3
Private	Brandeis University	19,043	18,226	817	4.5%	5	-1
Private	Brown University	61,080	57,707	3,373	5.8%	1	-1
Private	California Institute of Technology	115,546	99,874	15,671	15.7%	3	1
Private	Carnegie Mellon University	95,040	77,087	17,953	23.3%	9	-2
Private	Case Western Reserve University	123,280	152,284	-29,004	-19.0%	-19	-3
Public	Clemson University	43,925	71,441	-27,516	-38.5%	-38	-27
Public	Cleveland State University	23,527	5,172	18,355	354.9%	109	83
Private	Cold Spring Harbor Laboratory	29,527		29,527			
Public	Colorado State Univ. - Fort Collins	99,615	108,056	-8,441	-7.8%	-12	-7
Private	Columbia University	257,590	200,826	56,765	28.3%	3	-1
Private	Cornell University	179,581	167,907	11,674	7.0%	-7	-5
Private	Dartmouth College	84,263	68,419	15,844	23.2%	13	1
Private	Drexel University	40,216	36,933	3,282	8.9%	0	-4
Private	Duke University	338,075	280,688	57,387	20.4%	0	-1
Private	Emory University	196,105	161,487	34,618	21.4%	2	0
Public	Florida International University	44,442	35,028	9,413	26.9%	13	12
Public	Florida State University	75,061	66,727	8,334	12.5%	7	6
Public	George Mason University	29,891	26,550	3,341	12.6%	7	6
Private	George Washington University	68,593	57,515	11,077	19.3%	8	3
Private	Georgetown University	57,042	52,200	4,842	9.3%	7	1
Public	Georgia Institute of Technology	238,431	191,102	47,329	24.8%	3	5
Public	Georgia State University	40,439	28,441	11,997	42.2%	19	18
Private	Harvard University	313,391	165,808	147,583	89.0%	20	7
Private	Icahn School of Med. at Mount Sinai	174,648	108,475	66,173	61.0%	18	4
Public	Indiana University - Bloomington	154,042	55,188	98,854	179.1%	61	43
Public	Iowa State University	94,115	82,119	11,997	14.6%	5	8
Private	Johns Hopkins University	775,941	615,219	160,721	26.1%	0	0
Public	Kansas State University	55,696	50,341	5,355	10.6%	7	6
Public	Louisiana State Univ. - Baton Rouge	78,425	99,918	-21,493	-21.5%	-24	-15
Private	Massachusetts Inst. of Technology	266,766	241,423	25,342	10.5%	-4	-2
Private	Medical College of Wisconsin	63,619	60,584	3,035	5.0%	1	-1
Public	Medical University of South Carolina	79,598	69,309	10,289	14.8%	8	8
Public	Michigan State University	198,371	130,577	67,794	51.9%	16	10
Public	Mississippi State University	70,723	77,208	-6,485	-8.4%	-12	-7
Public	Montana State University - Bozeman	35,880	43,977	-8,097	-18.4%	-20	-14
Public	Naval Postgraduate School	15,905	30,493	-14,588	-47.8%	-42	-34
Public	New Jersey Institute of Technology	30,755	32,864	-2,109	-6.4%	-5	-2
Public	New Mexico State Univ. - Las Cruces	31,471	50,664	-19,193	-37.9%	-32	-26
Private	New York University	249,577	113,716	135,861	119.5%	34	11
Public	North Carolina State University	148,404	134,006	14,397	10.7%	-2	-2
Private	Northeastern University	40,920	21,927	18,993	86.6%	35	4
Private	Northwestern University	219,752	177,100	42,652	24.1%	1	-2
Public	Ohio State University - Columbus	244,226	257,149	-12,923	-5.0%	-11	-5
Public	Oklahoma State University - Stillwater	46,316	44,369	1,947	4.4%	-2	0

The Top American Research Universities

Federal Research in Constant 1983 Dollars						Non-Federal Research in Constant 1983 Dollars					
2017 Federal Research x \$1000	2008 Federal Research x \$1000	Net Change in Constant Dollars	Percent Change in Constant Dollars	Net Change in National Rank	Net Change in Control Rank	2017 Non-Federal Research x \$1000	2008 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
65,205	45,954	19,251	41.9%	17	12	81,784	49,024	32,760	66.8%	19	20
16,599	20,038	-3,438	-17.2%	-5	-4	34,192	33,758	434	1.3%	-13	-5
14,848	14,452	396	2.7%	15	14	15,392	6,441	8,951	139.0%	42	36
88,867	96,074	-7,208	-7.5%	-7	0	94,736	68,370	26,366	38.6%	1	-4
77,037	86,066	-9,029	-10.5%	-6	-1	43,985	7,272	36,713	504.9%	109	22
13,603	13,983	-380	-2.7%	13	0	5,441	4,243	1,198	28.2%	6	-2
43,056	34,823	8,233	23.6%	19	5	18,025	22,884	-4,860	-21.2%	-33	-14
82,650	89,166	-6,516	-7.3%	-5	0	32,896	10,708	22,188	207.2%	71	15
57,657	62,578	-4,921	-7.9%	-6	-1	37,382	14,509	22,874	157.7%	60	10
98,745	111,807	-13,062	-11.7%	-12	-4	24,536	40,477	-15,942	-39.4%	-55	-19
19,096	20,692	-1,596	-7.7%	-1	0	24,829	50,750	-25,921	-51.1%	-61	-41
15,878	1,840	14,038	763.0%	165	127	7,649	3,332	4,316	129.5%	49	43
16,468						13,059					
70,535	76,467	-5,932	-7.8%	-4	-3	29,080	31,589	-2,509	-7.9%	-25	-15
192,114	168,737	23,377	13.9%	3	1	65,477	32,089	33,388	104.0%	23	2
84,836	84,998	-162	-0.2%	-1	3	94,745	82,909	11,836	14.3%	-6	-7
41,573	44,398	-2,825	-6.4%	-7	-4	42,691	24,021	18,669	77.7%	26	2
21,040	23,862	-2,822	-11.8%	-2	-2	19,175	13,071	6,104	46.7%	11	-3
188,830	165,182	23,648	14.3%	4	1	149,245	115,506	33,740	29.2%	4	-1
115,679	106,552	9,127	8.6%	1	0	80,426	54,935	25,491	46.4%	6	-2
20,138	19,339	799	4.1%	10	10	24,304	15,690	8,615	54.9%	13	15
35,922	40,486	-4,564	-11.3%	-5	-5	39,139	26,241	12,899	49.2%	16	18
15,913	18,443	-2,530	-13.7%	-1	1	13,978	8,107	5,871	72.4%	23	22
43,876	43,591	285	0.7%	0	0	24,716	13,924	10,792	77.5%	27	2
28,293	40,842	-12,548	-30.7%	-19	-4	28,749	11,358	17,391	153.1%	51	8
175,455	102,913	72,542	70.5%	16	7	62,975	88,188	-25,213	-28.6%	-34	-16
16,645	9,610	7,034	73.2%	43	35	23,794	18,831	4,963	26.4%	-5	3
171,559	140,299	31,260	22.3%	2	2	141,832	25,509	116,322	456.0%	81	19
111,543	92,715	18,828	20.3%	8	4	63,106	15,760	47,345	300.4%	79	14
73,250	25,014	48,235	192.8%	69	53	80,793	30,174	50,618	167.8%	38	32
38,122	37,614	508	1.3%	6	5	55,994	44,505	11,489	25.8%	-1	6
659,728	532,320	127,408	23.9%	0	0	116,212	82,899	33,313	40.2%	4	-4
21,949	19,392	2,557	13.2%	16	15	33,747	30,949	2,798	9.0%	-9	-3
24,293	28,802	-4,509	-15.7%	-7	-3	54,132	71,116	-16,984	-23.9%	-31	-17
147,075	181,173	-34,098	-18.8%	-11	-5	119,690	60,250	59,440	98.7%	23	5
32,862	40,846	-7,985	-19.5%	-12	-3	30,757	19,737	11,020	55.8%	13	-2
40,691	37,400	3,290	8.8%	10	9	38,907	31,909	6,999	21.9%	0	4
100,013	55,964	44,049	78.7%	31	21	98,358	74,613	23,745	31.8%	2	5
26,537	38,550	-12,013	-31.2%	-16	-11	44,186	38,658	5,528	14.3%	-5	1
20,167	25,761	-5,594	-21.7%	-13	-9	15,713	18,215	-2,503	-13.7%	-22	-11
12,822	30,123	-17,301	-57.4%	-49	-38	3,083	370	2,713	732.3%	156	101
19,679	14,672	5,007	34.1%	33	29	11,076	18,192	-7,116	-39.1%	-45	-29
17,933	31,709	-13,776	-43.4%	-30	-23	13,538	18,956	-5,418	-28.6%	-41	-26
112,279	72,967	39,312	53.9%	25	9	137,298	40,749	96,549	236.9%	48	10
64,811	48,097	16,714	34.8%	11	7	83,593	85,909	-2,316	-2.7%	-13	-2
27,373	13,358	14,015	104.9%	60	10	13,547	8,570	4,978	58.1%	16	-2
133,155	96,984	36,171	37.3%	12	6	86,597	80,116	6,481	8.1%	-7	-7
129,641	122,654	6,987	5.7%	-3	-1	114,585	134,494	-19,909	-14.8%	-15	-8
12,847	15,025	-2,177	-14.5%	4	6	33,468	29,344	4,124	14.1%	-8	-2

Change: Research		Total Research in Constant 1983 Dollars					
Institutions with Over \$40 Million in Federal Research, Alphabetically		2017 Total Research x \$1000	2008 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	Oregon Health & Science University	105,226	110,311	-5,084	-4.6%	-13	-7
Public	Oregon State University	79,181	68,828	10,353	15.0%	8	8
Public	Penn. State Univ. - Hershey Med. Ctr.	30,608	29,535	1,073	3.6%	2	3
Public	Pennsylvania State Univ. - Univ. Park	220,290	227,078	-6,788	-3.0%	-11	-6
Private	Princeton University	98,683	71,281	27,402	38.4%	20	3
Public	Purdue University - West Lafayette	161,947	157,376	4,571	2.9%	-6	-3
Private	Rensselaer Polytechnic Institute	29,298	28,290	1,008	3.6%	1	-2
Private	Rice University	49,565	27,177	22,388	82.4%	37	5
Private	Rockefeller University	105,874	90,587	15,288	16.9%	8	-2
Private	Rush University	22,478	32,762	-10,284	-31.4%	-24	-6
Public	Rutgers University - New Brunswick	192,355	108,956	83,399	76.5%	23	17
Private	Scripps Research Institute	107,616	133,973	-26,358	-19.7%	-19	-6
Private	Stanford University	320,319	251,890	68,429	27.2%	1	0
Public	State Univ. of NY - Polytechnic Inst.	93,734					
Public	Stony Brook University	71,453	92,505	-21,052	-22.8%	-19	-12
Public	Temple University	75,619	33,850	41,769	123.4%	54	43
Public	Texas A&M Univ. - College Station	263,772	213,146	50,626	23.8%	1	3
Private	Thomas Jefferson University	43,270	36,335	6,935	19.1%	8	-1
Private	Tufts University	65,828	51,067	14,760	28.9%	16	6
Private	Tulane University	50,787	56,087	-5,299	-9.4%	-15	-4
Public	Uniformed Services Univ. of the HS	90,555	38,862	51,694	133.0%	54	44
Public	University at Albany	42,609	98,972	-56,363	-56.9%	-65	-46
Public	University at Buffalo	117,268	120,678	-3,409	-2.8%	-7	-6
Public	University of Alabama - Birmingham	168,033	148,089	19,944	13.5%	-2	-1
Public	University of Alabama - Huntsville	27,130	23,935	3,196	13.4%	8	9
Public	University of Alaska - Fairbanks	45,544	44,311	1,234	2.8%	-2	0
Public	University of Arizona	185,124	199,788	-14,664	-7.3%	-11	-4
Public	University of Arkansas - Fayetteville	41,253	37,619	3,634	9.7%	2	5
Public	Univ. of Arkansas for Med. Sciences	39,002	42,983	-3,981	-9.3%	-13	-8
Public	University of California - Berkeley	219,982	216,588	3,394	1.6%	-11	-5
Public	University of California - Davis	220,483	235,162	-14,679	-6.2%	-11	-6
Public	University of California - Irvine	102,980	118,786	-15,806	-13.3%	-16	-9
Public	University of California - Los Angeles	314,966	318,961	-3,995	-1.3%	-6	-3
Public	University of California - Riverside	48,349	47,435	914	1.9%	-3	-1
Public	University of California - San Diego	341,823	308,182	33,641	10.9%	0	1
Public	Univ. of California - San Francisco	427,752	323,977	103,776	32.0%	-1	-1
Public	Univ. of California - Santa Barbara	68,520	74,561	-6,041	-8.1%	-12	-7
Public	University of California - Santa Cruz	36,417	49,506	-13,089	-26.4%	-25	-19
Public	University of Central Florida	51,179	39,553	11,627	29.4%	14	14
Private	University of Chicago	127,469	130,764	-3,295	-2.5%	-8	1
Public	University of Cincinnati - Cincinnati	129,666	125,921	3,745	3.0%	-4	-6
Public	University of Colorado - Boulder	144,010	95,571	48,439	50.7%	20	15
Public	U. of Colorado - Den./Anschutz Med.	143,513	97,548	45,965	47.1%	17	12
Public	University of Connecticut - Health Ctr.	23,141	42,373	-19,232	-45.4%	-42	-33
Public	University of Connecticut - Storrs	54,912	40,308	14,604	36.2%	19	19
Private	University of Dayton	38,607	29,747	8,861	29.8%	11	-1
Public	University of Delaware	53,554	45,816	7,739	16.9%	7	7
Public	University of Florida	232,623	213,806	18,817	8.8%	-5	-1
Public	University of Georgia	122,485	128,209	-5,724	-4.5%	-9	-9

The Top American Research Universities

Federal Research in Constant 1983 Dollars						Non-Federal Research in Constant 1983 Dollars					
2017 Federal Research x \$1000	2008 Federal Research x \$1000	Net Change in Constant Dollars	Percent Change in Constant Dollars	Net Change in National Rank	Net Change in Control Rank	2017 Non-Federal Research x \$1000	2008 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
73,901	84,988	-11,087	-13.0%	-6	-5	31,326	25,323	6,003	23.7%	-1	4
47,864	41,583	6,282	15.1%	9	4	31,317	27,246	4,071	14.9%	-11	-3
15,500	17,125	-1,625	-9.5%	0	1	15,109	12,410	2,698	21.7%	1	5
144,803	131,664	13,139	10.0%	1	0	75,487	95,414	-19,927	-20.9%	-29	-15
53,260	45,787	7,472	16.3%	4	2	45,423	25,494	19,930	78.2%	25	2
68,277	64,633	3,644	5.6%	2	2	93,670	92,743	927	1.0%	-14	-5
14,492	17,242	-2,750	-15.9%	-5	-2	14,806	11,048	3,758	34.0%	8	-1
25,462	20,115	5,347	26.6%	19	1	24,103	7,062	17,041	241.3%	61	10
26,333	29,850	-3,517	-11.8%	-1	-3	79,542	60,737	18,805	31.0%	-1	-5
15,640	14,985	655	4.4%	14	1	6,838	17,777	-10,939	-61.5%	-71	-19
95,942	47,921	48,021	100.2%	35	24	96,413	61,035	35,378	58.0%	12	11
75,902	97,230	-21,328	-21.9%	-15	-7	31,713	36,743	-5,029	-13.7%	-27	-11
207,876	186,469	21,407	11.5%	0	0	112,444	65,422	47,022	71.9%	12	-1
12,518						81,215					
37,983	38,949	-966	-2.5%	1	0	33,470	53,555	-20,085	-37.5%	-38	-25
43,594	21,479	22,114	103.0%	48	37	32,025	12,371	19,655	158.9%	57	47
89,412	89,892	-480	-0.5%	-3	-5	174,360	123,253	51,107	41.5%	5	6
18,826	27,828	-9,003	-32.4%	-20	-5	24,444	8,506	15,938	187.4%	56	8
41,884	34,997	6,887	19.7%	16	3	23,943	16,070	7,873	49.0%	7	-5
28,452	39,950	-11,497	-28.8%	-16	-2	22,335	16,137	6,198	38.4%	2	-7
61,987	24,648	37,339	151.5%	61	45	28,568	14,213	14,355	101.0%	35	31
25,054	39,801	-14,747	-37.1%	-28	-21	17,555	59,170	-41,615	-70.3%	-96	-67
55,939	56,854	-915	-1.6%	-5	-4	61,329	63,823	-2,494	-3.9%	-19	-7
108,138	110,929	-2,791	-2.5%	-6	-3	59,895	37,160	22,735	61.2%	9	13
20,717	17,227	3,490	20.3%	21	19	6,414	6,708	-294	-4.4%	-17	-13
28,974	38,765	-9,790	-25.3%	-11	-10	16,570	5,546	11,024	198.8%	55	47
81,703	101,710	-20,008	-19.7%	-16	-10	103,422	98,078	5,344	5.4%	-9	-2
12,807	11,540	1,267	11.0%	16	13	28,446	26,079	2,368	9.1%	-13	-3
15,569	22,705	-7,136	-31.4%	-21	-17	23,433	20,278	3,155	15.6%	-18	-7
99,107	91,194	7,914	8.7%	2	-2	120,875	125,394	-4,520	-3.6%	-7	-2
102,581	98,438	4,143	4.2%	-2	-2	117,902	136,724	-18,822	-13.8%	-14	-8
54,262	65,257	-10,995	-16.8%	-15	-12	48,718	53,529	-4,811	-9.0%	-18	-10
145,619	172,727	-27,108	-15.7%	-7	-3	169,347	146,234	23,113	15.8%	-3	-2
23,042	19,683	3,358	17.1%	16	15	25,307	27,752	-2,445	-8.8%	-29	-16
194,132	179,692	14,439	8.0%	-1	-1	147,691	128,489	19,202	14.9%	-1	1
184,154	172,987	11,167	6.5%	-2	-1	243,598	150,990	92,609	61.3%	0	0
34,348	40,846	-6,498	-15.9%	-8	-7	34,172	33,715	457	1.4%	-13	-5
19,768	25,526	-5,758	-22.6%	-13	-9	16,649	23,980	-7,331	-30.6%	-42	-27
25,123	20,412	4,711	23.1%	15	15	26,056	19,140	6,916	36.1%	7	9
91,767	104,169	-12,403	-11.9%	-13	-3	35,702	26,594	9,108	34.2%	9	-4
72,737	80,954	-8,218	-10.2%	-5	-4	56,930	44,967	11,963	26.6%	-1	6
109,097	80,357	28,739	35.8%	17	10	34,913	15,214	19,699	129.5%	52	44
92,711	78,237	14,475	18.5%	10	4	50,802	19,312	31,490	163.1%	49	40
12,775	22,493	-9,717	-43.2%	-31	-25	10,366	19,880	-9,515	-47.9%	-64	-45
30,315	21,396	8,918	41.7%	27	21	24,597	18,912	5,686	30.1%	3	7
34,169	23,612	10,557	44.7%	29	7	4,438	6,134	-1,696	-27.6%	-33	-10
34,305	30,974	3,331	10.8%	11	8	19,249	14,842	4,408	29.7%	2	7
95,356	84,546	10,810	12.8%	6	0	137,268	129,261	8,007	6.2%	-5	-1
46,520	37,631	8,889	23.6%	18	11	75,965	90,578	-14,614	-16.1%	-26	-12

Change: Research		Total Research in Constant 1983 Dollars					
Institutions with Over \$40 Million in Federal Research, Alphabetically		2017 Total Research x \$1000	2008 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 Hawaii - Manoa	87,497	99,492	-11,994	-12.1%	-15	-8
Public	University of Houston - Univ. Park	45,463	30,923	14,539	47.0%	22	20
Public	University of Idaho	32,012	29,841	2,171	7.3%	4	6
Public	University of Illinois - Chicago	106,893	122,661	-15,768	-12.9%	-14	-9
Public	Univ. of Illinois - Urbana-Champaign	182,902	183,468	-567	-0.3%	-9	-2
Public	University of Iowa	141,571	107,444	34,127	31.8%	9	5
Public	University of Kansas - Lawrence	50,008	47,714	2,295	4.8%	-2	-1
Public	University of Kansas Medical Center	26,213	31,110	-4,897	-15.7%	-14	-10
Public	University of Kentucky	111,668	123,221	-11,553	-9.4%	-12	-9
Public	University of Louisville	51,263	54,511	-3,248	-6.0%	-8	-6
Public	University of Maryland - Baltimore	123,518	138,863	-15,345	-11.1%	-14	-12
Public	Univ. of Maryland - Baltimore County	21,223	24,450	-3,227	-13.2%	-8	-5
Public	University of Maryland - College Park	161,760	144,584	17,176	11.9%	-3	-2
Public	Univ. of Massachusetts - Amherst	58,888	55,956	2,933	5.2%	2	2
Public	Univ. of Mass. Med. Sch. - Worcester	84,945	65,373	19,572	29.9%	17	15
Private	University of Miami	110,872	88,490	22,382	25.3%	14	2
Public	University of Michigan - Ann Arbor	435,381	320,759	114,623	35.7%	2	2
Public	University of Minnesota - Twin Cities	267,470	249,854	17,616	7.1%	-4	-2
Public	University of Missouri - Columbia	73,740	89,538	-15,797	-17.6%	-14	-8
Public	University of Montana - Missoula	25,527	21,240	4,287	20.2%	14	14
Public	University of Nebraska - Lincoln	82,172	84,093	-1,920	-2.3%	-3	2
Public	University of Nebraska Medical Ctr.	52,048	41,317	10,731	26.0%	14	14
Public	University of Nevada - Reno	30,094	37,359	-7,265	-19.4%	-16	-10
Public	Univ. of New Hampshire - Durham	40,545	41,679	-1,134	-2.7%	-6	-2
Public	Univ. of New Mexico - Albuquerque	71,815	72,333	-517	-0.7%	-5	-2
Public	Univ. of North Carolina - Chapel Hill	322,176	192,459	129,717	67.4%	15	11
Public	University of North Dakota	27,909	23,800	4,109	17.3%	10	11
Private	University of Notre Dame	55,863	35,565	20,298	57.1%	31	4
Public	University of Oklahoma - HSC	37,140	37,961	-821	-2.2%	-7	-1
Public	University of Oklahoma - Norman	38,925	32,337	6,588	20.4%	7	8
Public	University of Oregon	22,009	24,660	-2,651	-10.8%	-8	-5
Private	University of Pennsylvania	378,673	259,217	119,455	46.1%	4	1
Public	University of Pittsburgh - Pittsburgh	282,315	217,999	64,316	29.5%	2	3
Public	University of Rhode Island	28,892	28,349	543	1.9%	-1	2
Private	University of Rochester	106,809	137,330	-30,521	-22.2%	-24	-8
Public	Univ. of South Carolina - Columbia	54,669	63,090	-8,422	-13.3%	-13	-6
Public	University of South Florida - Tampa	152,423	101,901	50,521	49.6%	15	11
Private	University of Southern California	220,198	190,153	30,045	15.8%	-1	-3
Public	University of Tennessee - Knoxville	81,808	62,109	19,698	31.7%	16	15
Public	University of Texas - Austin	181,674	180,546	1,129	0.6%	-9	-2
Public	University of Texas - El Paso	25,461	17,900	7,562	42.2%	22	19
Public	University of Texas HSC - Houston	74,679	72,194	2,485	3.4%	-1	1
Public	Univ. of Texas HSC - San Antonio	58,441	73,684	-15,243	-20.7%	-19	-10
Public	U. of Texas MD Anderson Cancer Ctr.	269,517	204,412	65,105	31.8%	6	6
Public	U. of Texas Med.I Branch - Galveston	56,180	65,890	-9,710	-14.7%	-9	-4
Public	Univ. of Texas SW Med. Ctr. - Dallas	140,155	142,868	-2,712	-1.9%	-11	-10
Public	University of Utah	96,803	92,924	3,879	4.2%	0	4
Public	University of Vermont	35,641	42,244	-6,603	-15.6%	-17	-11
Public	University of Virginia	131,049	94,300	36,749	39.0%	18	13

The Top American Research Universities

Federal Research in Constant 1983 Dollars						Non-Federal Research in Constant 1983 Dollars					
2017 Federal Research x \$1000	2008 Federal Research x \$1000	Net Change in Constant Dollars	Percent Change in Constant Dollars	Net Change in National Rank	Net Change in Control Rank	2017 Non-Federal Research x \$1000	2008 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
55,161	71,190	-16,029	-22.5%	-14	-11	32,336	28,302	4,034	14.3%	-9	-2
17,379	15,797	1,582	10.0%	21	19	28,083	15,126	12,957	85.7%	29	27
14,835	16,580	-1,745	-10.5%	1	2	17,177	13,261	3,916	29.5%	4	9
57,280	71,926	-14,647	-20.4%	-14	-11	49,613	50,734	-1,121	-2.2%	-13	-5
104,603	97,690	6,914	7.1%	0	0	78,298	85,778	-7,480	-8.7%	-21	-7
71,832	84,144	-12,312	-14.6%	-7	-6	69,739	23,300	46,439	199.3%	53	44
26,042	24,661	1,382	5.6%	8	10	23,966	23,053	913	4.0%	-21	-10
12,232	20,138	-7,906	-39.3%	-28	-22	13,981	10,972	3,009	27.4%	5	7
51,093	56,661	-5,568	-9.8%	-9	-7	60,575	66,560	-5,985	-9.0%	-23	-10
21,161	26,612	-5,452	-20.5%	-11	-8	30,102	27,898	2,204	7.9%	-17	-7
65,031	61,864	3,167	5.1%	2	1	58,487	76,999	-18,512	-24.0%	-30	-16
15,784	18,505	-2,721	-14.7%	-4	-2	5,438	5,944	-506	-8.5%	-20	-14
109,645	86,529	23,117	26.7%	11	6	52,115	58,055	-5,940	-10.2%	-20	-11
30,955	29,183	1,771	6.1%	10	8	27,934	26,772	1,161	4.3%	-19	-8
60,770	53,111	7,659	14.4%	5	2	24,174	12,261	11,913	97.2%	30	29
58,742	60,751	-2,009	-3.3%	-2	1	52,129	27,739	24,391	87.9%	22	0
249,609	216,953	32,656	15.1%	0	0	185,772	103,806	81,966	79.0%	10	9
136,215	133,274	2,941	2.2%	-2	-2	131,255	116,580	14,675	12.6%	-2	2
32,415	39,576	-7,161	-18.1%	-8	-7	41,325	49,962	-8,636	-17.3%	-18	-7
13,495	12,593	902	7.2%	17	15	12,032	8,647	3,385	39.2%	8	12
30,337	29,970	367	1.2%	7	6	51,836	54,123	-2,287	-4.2%	-17	-9
25,741	18,776	6,965	37.1%	25	23	26,306	22,541	3,766	16.7%	-4	1
16,218	24,216	-7,998	-33.0%	-20	-15	13,875	13,142	733	5.6%	-11	-4
26,014	30,659	-4,645	-15.2%	-6	-2	14,531	11,020	3,511	31.9%	8	9
48,433	49,331	-897	-1.8%	-5	-5	23,382	23,002	380	1.7%	-24	-12
199,666	136,554	63,112	46.2%	12	5	122,510	55,905	66,605	119.1%	29	22
12,396	17,063	-4,666	-27.3%	-10	-7	15,513	6,737	8,776	130.3%	39	33
27,327	24,453	2,873	11.8%	14	0	28,536	11,111	17,425	156.8%	51	8
17,045	18,770	-1,725	-9.2%	2	3	20,095	19,191	904	4.7%	-15	-6
21,351	14,748	6,603	44.8%	40	35	17,574	17,589	-15	-0.1%	-13	-3
17,327	20,200	-2,872	-14.2%	-4	-2	4,681	4,461	221	4.9%	-7	-3
198,308	176,529	21,779	12.3%	1	1	180,364	82,688	97,676	118.1%	20	3
185,971	166,959	19,012	11.4%	2	2	96,344	51,041	45,304	88.8%	23	19
18,096	18,438	-342	-1.9%	10	11	10,797	9,911	885	8.9%	-3	1
81,047	101,114	-20,067	-19.8%	-16	-6	25,762	36,216	-10,453	-28.9%	-41	-15
27,183	36,079	-8,896	-24.7%	-11	-6	27,486	27,012	474	1.8%	-21	-10
71,283	62,187	9,096	14.6%	7	6	81,139	39,714	41,425	104.3%	24	22
132,482	127,629	4,853	3.8%	-3	-2	87,715	62,524	25,192	40.3%	4	-3
43,264	25,632	17,631	68.8%	34	26	38,544	36,477	2,067	5.7%	-7	0
114,538	118,689	-4,151	-3.5%	-3	-1	67,137	61,857	5,280	8.5%	-10	-3
13,281	9,846	3,435	34.9%	27	23	12,180	8,053	4,127	51.2%	15	17
37,774	47,315	-9,541	-20.2%	-20	-13	36,905	24,879	12,026	48.3%	19	19
25,936	44,563	-18,628	-41.8%	-36	-24	32,505	29,121	3,385	11.6%	-9	-2
50,549	71,329	-20,781	-29.1%	-20	-16	218,968	133,083	85,886	64.5%	4	4
31,703	44,655	-12,952	-29.0%	-23	-16	24,477	21,234	3,242	15.3%	-12	-4
60,726	73,742	-13,016	-17.7%	-12	-11	79,430	69,126	10,304	14.9%	-12	-2
66,286	62,856	3,430	5.5%	2	2	30,517	30,068	449	1.5%	-20	-10
23,789	32,836	-9,047	-27.6%	-17	-12	11,852	9,408	2,444	26.0%	3	7
65,311	80,311	-15,000	-18.7%	-9	-8	65,738	13,989	51,749	369.9%	90	72

Change: Research		Total Research in Constant 1983 Dollars					
Institutions with Over \$40 Million in Federal Research, Alphabetically		2017 Total Research x \$1000	2008 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 Washington - Seattle	385,640	280,039	105,600	37.7%	4	3
Public	University of Wisconsin - Madison	335,447	322,730	12,716	3.9%	-5	-3
Public	University of Wyoming	37,005	27,348	9,657	35.3%	16	16
Public	Utah State University	56,070	53,483	2,588	4.8%	4	4
Private	Vanderbilt University	206,770	154,680	52,091	33.7%	6	2
Public	Virginia Commonwealth University	63,986	54,408	9,578	17.6%	10	6
Public	Virginia Polytechnic Inst. and St. U.	155,192	136,621	18,571	13.6%	0	0
Private	Wake Forest University	55,199	73,169	-17,970	-24.6%	-24	-11
Public	Washington State Univ. - Pullman	94,269	101,311	-7,042	-7.0%	-13	-6
Private	Washington University in St. Louis	224,592	206,412	18,180	8.8%	-4	-4
Public	Wayne State University	66,830	91,211	-24,380	-26.7%	-22	-14
Private	Weill Cornell Medical College	112,740	71,455	41,284	57.8%	28	7
Public	West Virginia University	53,235	51,156	2,079	4.1%	-1	0
Private	Woods Hole Oceanographic Inst.	58,906	55,164	3,742	6.8%	5	1
Private	Yale University	282,428	178,346	104,081	58.4%	16	3
Private	Yeshiva University	88,908	72,216	16,692	23.1%	9	-1

Federal Research in Constant 1983 Dollars						Non-Federal Research in Constant 1983 Dollars					
2017 Federal Research x \$1000	2008 Federal Research x \$1000	Net Change in Constant Dollars	Percent Change in Constant Dollars	Net Change in National Rank	Net Change in Control Rank	2017 Non-Federal Research x \$1000	2008 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
277,052	224,749	52,303	23.3%	0	0	108,588	55,290	53,298	96.4%	22	19
167,830	173,645	-5,815	-3.3%	-6	-4	167,616	149,085	18,531	12.4%	-5	-4
17,050	10,384	6,666	64.2%	42	34	19,955	16,963	2,991	17.6%	-5	3
41,669	32,532	9,137	28.1%	19	15	14,401	20,951	-6,550	-31.3%	-43	-28
134,350	121,254	13,096	10.8%	1	1	72,420	33,425	38,995	116.7%	26	2
38,648	34,905	3,743	10.7%	12	10	25,338	19,503	5,835	29.9%	2	5
55,049	49,622	5,427	10.9%	-1	-2	100,143	86,999	13,144	15.1%	-5	2
44,841	53,545	-8,704	-16.3%	-14	-4	10,358	19,624	-9,265	-47.2%	-62	-18
40,459	35,746	4,712	13.2%	11	10	53,810	65,565	-11,754	-17.9%	-28	-15
142,231	144,174	-1,943	-1.3%	-5	-2	82,360	62,238	20,122	32.3%	2	-4
32,434	42,421	-9,987	-23.5%	-15	-11	34,397	48,790	-14,393	-29.5%	-26	-13
47,294	46,375	919	2.0%	-3	0	65,445	25,080	40,365	160.9%	44	6
21,323	24,942	-3,619	-14.5%	-5	-2	31,912	26,214	5,698	21.7%	-2	3
45,067	43,037	2,030	4.7%	4	3	13,839	12,127	1,712	14.1%	-5	-6
161,460	137,086	24,375	17.8%	1	2	120,967	41,261	79,707	193.2%	43	8
57,384	52,655	4,729	9.0%	2	1	31,524	19,561	11,963	61.2%	18	1

Change: Private Support & Doctorates		Endowment Assets in Constant 1998 Dollars					
Institutions with Over \$40 Million in Federal Research, Alphabetically		2018	2009	Net Change in Constant Dollars	Percent Change in Constant Dollars	Net Change in National Rank	Net Change in Control Rank
		Endowment Assets x \$1000	Endowment Assets x \$1000				
Public	Arizona State University	393,068	269,737	123,331	45.7%	-8	-3
Public	Auburn University	418,595	205,925	212,671	103.3%	29	16
Public	Augusta University	130,618	59,879	70,738	118.1%	76	21
Private	Baylor College of Medicine	694,027	483,622	210,405	43.5%	-8	0
Private	Boston University	1,179,151	589,972	589,179	99.9%	15	11
Private	Brandeis University	570,804	369,347	201,457	54.5%	-6	1
Private	Brown University	1,965,899	1,333,846	632,053	47.4%	-4	-1
Private	California Institute of Technology	1,570,764	924,523	646,241	69.9%	4	4
Private	Carnegie Mellon University	1,301,555	498,707	802,849	161.0%	32	25
Private	Case Western Reserve University	1,005,301	927,010	78,292	8.4%	-19	-13
Public	Clemson University	404,653	218,945	185,708	84.8%	13	8
Public	Cleveland State University	45,806	24,690	21,116	85.5%	-4	-3
Private	Cold Spring Harbor Laboratory						
Public	Colorado State Univ. - Fort Collins	194,156	97,968	96,188	98.2%	40	10
Private	Columbia University	5,929,173	3,896,907	2,032,266	52.2%	-4	-2
Private	Cornell University	3,072,473	2,032,626	1,039,847	51.2%	0	0
Private	Dartmouth College	2,997,088	1,868,102	1,128,986	60.4%	0	0
Private	Drexel University	425,322	269,961	155,361	57.5%	6	3
Private	Duke University	4,650,303	2,936,665	1,713,639	58.4%	1	1
Private	Emory University	3,977,876	2,862,395	1,115,481	39.0%	-1	-1
Public	Florida International University	114,139	54,594	59,545	109.1%	67	14
Public	Florida State University	371,687	270,912	100,775	37.2%	-21	-8
Public	George Mason University	50,054	27,691	22,363	80.8%	8	-1
Private	George Washington University	981,251	668,702	312,549	46.7%	-5	-2
Private	Georgetown University	965,293	584,048	381,245	65.3%	5	5
Public	Georgia Institute of Technology	1,139,790	817,160	322,629	39.5%	-4	-2
Public	Georgia State University	91,161	50,097	41,064	82.0%	12	-1
Private	Harvard University	20,891,606	17,285,217	3,606,389	20.9%	0	0
Private	Icahn School of Med. at Mount Sinai	408,129	293,059	115,070	39.3%	-14	-7
Public	Indiana University - Bloomington	629,524	481,786	147,738	30.7%	-14	-12
Public	Iowa State University	579,693	299,046	280,647	93.8%	24	3
Private	Johns Hopkins University	2,285,929	1,307,323	978,605	74.9%	-1	1
Public	Kansas State University	257,858	171,812	86,046	50.1%	-12	-11
Public	Louisiana State Univ. - Baton Rouge	272,391	181,858	90,533	49.8%	-16	-9
Private	Massachusetts Inst. of Technology	9,016,805	5,211,256	3,805,549	73.0%	0	0
Private	Medical College of Wisconsin	507,839	249,117	258,722	103.9%	30	22
Public	Medical University of South Carolina	202,545	96,330	106,215	110.3%	52	15
Public	Michigan State University	1,786,996	887,077	899,919	101.4%	8	2
Public	Mississippi State University	276,098	168,188	107,911	64.2%	-3	-4
Public	Montana State University - Bozeman	97,184	57,362	39,822	69.4%	8	-3
Public	Naval Postgraduate School		1,440				
Public	New Jersey Institute of Technology	65,497	37,705	27,792	73.7%	13	-1
Public	New Mexico State Univ. - Las Cruces	95,808	92,241	3,567	3.9%	-92	-36
Private	New York University	2,324,984	1,384,961	940,024	67.9%	-2	0
Public	North Carolina State University	705,737	306,755	398,982	130.1%	39	11
Private	Northeastern University	453,381	321,967	131,414	40.8%	-8	0
Private	Northwestern University	6,048,318	3,600,950	2,447,368	68.0%	-1	0
Public	Ohio State University - Columbus	2,842,837	1,092,177	1,750,660	160.3%	9	5
Public	Oklahoma State University - Stillwater	350,702	202,688	148,014	73.0%	4	7

Annual Giving in Constant 1998 Dollars						Doctorates Awarded					
2018 Annual Giving x \$1000	2009 Annual Giving x \$1000	Net Change in Constant Dollars	Percent Change in Constant Dollars	Net Change in National Rank	Net Change in Control Rank	2018 Doctorates Awarded	2009 Doctorates Awarded	Net Change in Doctorates	Percent Change in Doctorates	Net Change in National Rank	Net Change in Control Rank
112,386	104,599	7,787	7.4%	-6	-5	692	418	274	65.6%	21	13
65,697	40,895	24,802	60.6%	25	15	253	222	31	14.0%	-3	-2
7,178	7,020	158	2.2%	-49	-27	35	137	-102	-74.5%	-189	-103
31,450	51,774	-20,324	-39.3%	-50	-18	100	80	20	25.0%	15	7
86,439	49,114	37,325	76.0%	30	11	535	548	-13	-2.4%	-9	-4
31,568	51,695	-20,128	-38.9%	-48	-16	81	84	-3	-3.6%	-21	-12
127,544	127,522	22	0.0%	-11	-6	208	187	21	11.2%	-2	-1
128,743	87,292	41,452	47.5%	7	5	191	193	-2	-1.0%	-13	-5
79,476	38,662	40,814	105.6%	41	16	322	245	77	31.4%	8	5
61,648	52,675	8,974	17.0%	-3	1	219	305	-86	-28.2%	-37	-9
56,653	20,964	35,689	170.2%	72	35	232	162	70	43.2%	16	9
9,224	5,543	3,681	66.4%	86	21	46	50	-4	-8.0%	-34	-16
43,129	30,832	12,297	39.9%	13	8	250	227	23	10.1%	-6	-5
550,825	273,354	277,471	101.5%	2	2	669	590	79	13.4%	1	1
224,151	185,238	38,913	21.0%	-4	-2	540	516	24	4.7%	-6	-1
148,714	90,669	58,045	64.0%	10	7	81	77	4	5.2%	-15	-8
47,340	35,772	11,567	32.3%	11	5	231	115	116	100.9%	51	20
281,963	199,479	82,484	41.3%	1	1	669	333	336	100.9%	37	13
137,588	93,327	44,260	47.4%	7	4	276	220	56	25.5%	5	4
18,896	11,732	7,163	61.1%	32	8	200	127	73	57.5%	28	17
44,884	31,296	13,588	43.4%	13	9	422	343	79	23.0%	9	7
37,397	17,514	19,883	113.5%	52	23	300	202	98	48.5%	19	12
41,831	55,976	-14,145	-25.3%	-40	-13	265	294	-29	-9.9%	-17	-3
83,682	119,814	-36,132	-30.2%	-25	-8	131	103	28	27.2%	12	9
76,609	74,755	1,854	2.5%	-13	-11	530	490	40	8.2%	-6	-5
19,787	9,206	10,581	114.9%	92	37	259	213	46	21.6%	2	2
773,902	397,862	376,040	94.5%	1	1	750	646	104	16.1%	4	1
68,072	74,199	-6,127	-8.3%	-18	-2	49	27	22	81.5%	48	25
132,798	80,564	52,234	64.8%	10	4	500	441	59	13.4%	-2	-2
92,146	41,775	50,371	120.6%	44	29	416	316	100	31.6%	9	6
394,723	286,599	108,124	37.7%	-2	0	591	434	157	36.2%	13	4
58,357	35,024	23,333	66.6%	26	12	180	147	33	22.4%	2	1
60,151	57,328	2,823	4.9%	-12	-9	299	240	59	24.6%	4	-1
256,348	211,004	45,344	21.5%	-4	-3	645	607	38	6.3%	-4	-2
9,295						32	25	7	28.0%	2	2
33,324	31,039	2,285	7.4%	-7	-6	163	107	56	52.3%	29	16
98,691	81,158	17,533	21.6%	-2	-6	553	489	64	13.1%	1	-1
43,961	25,303	18,658	73.7%	29	19	173	123	50	40.7%	23	13
15,965	6,682	9,283	138.9%	134	44	71	45	26	57.8%	40	23
						12	15	-3	-20.0%	-86	-29
6,443	6,080	363	6.0%	-36	-24	73	59	14	23.7%	12	8
9,442	6,831	2,611	38.2%	35	1	126	71	55	77.5%	49	25
274,063	221,395	52,668	23.8%	-4	-3	435	453	-18	-4.0%	-10	-3
90,037	59,309	30,728	51.8%	13	8	533	457	76	16.6%	0	1
26,323	18,918	7,404	39.1%	18	14	184	234	-50	-21.4%	-33	-9
216,625	120,185	96,440	80.2%	9	2	443	374	69	18.4%	7	3
238,369	156,762	81,607	52.1%	5	5	855	738	117	15.9%	7	5
46,498						243	172	71	41.3%	14	10

Change: Private Support & Doctorates		Endowment Assets in Constant 1998 Dollars					
Institutions with Over \$40 Million in Federal Research, Alphabetically		2018	2009	Net Change in Constant Dollars	Percent Change in Constant Dollars	Net Change in National Rank	Net Change in Control Rank
		Endowment Assets x \$1000	Endowment Assets x \$1000				
Public	Oregon Health & Science University	406,803	229,173	177,630	77.5%	7	4
Public	Oregon State University	324,989	217,677	107,312	49.3%	-13	-3
Public	Penn. State Univ. - Hershey Med. Ctr.	300,460	121,614	178,845	147.1%	55	16
Public	Pennsylvania State Univ. - Univ. Park	1,276,954	599,963	676,991	112.8%	16	4
Private	Princeton University	14,137,832	8,341,845	5,795,987	69.5%	0	0
Public	Purdue University - West Lafayette	1,376,717	963,873	412,843	42.8%	-3	-2
Private	Rensselaer Polytechnic Institute	391,778	405,272	-13,494	-3.3%	-60	-35
Private	Rice University	3,424,380	2,389,200	1,035,179	43.3%	-1	0
Private	Rockefeller University	1,196,961	1,010,253	186,707	18.5%	-11	-7
Private	Rush University	328,823	224,712	104,111	46.3%	-18	-12
Public	Rutgers University - New Brunswick	596,899	331,571	265,328	80.0%	17	0
Private	Scripps Research Institute						
Private	Stanford University	14,436,609	8,351,620	6,084,990	72.9%	0	0
Public	State Univ. of NY - Polytechnic Inst.	3,793		3,793			
Public	Stony Brook University	166,387	63,279	103,108	162.9%	96	27
Public	Temple University	350,389	138,901	211,487	152.3%	59	23
Public	Texas A&M Univ. - College Station	6,978,169	3,023,964	3,954,205	130.8%	5	1
Private	Thomas Jefferson University	144,047	292,982	-148,934	-50.8%	-160	-87
Private	Tufts University	1,006,969	729,705	277,264	38.0%	-6	-4
Private	Tulane University	755,174	534,237	220,937	41.4%	-2	2
Public	Uniformed Services Univ. of the HS						
Public	University at Albany	39,113	16,376	22,736	138.8%	33	12
Public	University at Buffalo	395,488	270,293	125,194	46.3%	-9	-3
Public	University of Alabama - Birmingham	275,221	186,985	88,236	47.2%	-22	-12
Public	University of Alabama - Huntsville	42,846	30,549	12,297	40.3%	-87	-43
Public	University of Alaska - Fairbanks	115,349	88,409	26,941	30.5%	-29	-13
Public	University of Arizona	523,479	288,726	234,754	81.3%	20	2
Public	University of Arkansas - Fayetteville	646,808	412,444	234,364	56.8%	-1	-5
Public	Univ. of Arkansas for Med. Sciences	20,485	14,711	5,774	39.2%	-186	-78
Public	University of California - Berkeley	2,580,671	1,578,418	1,002,253	63.5%	0	-1
Public	University of California - Davis	772,615	356,293	416,321	116.8%	29	10
Public	University of California - Irvine	530,327	141,159	389,168	275.7%	109	38
Public	University of California - Los Angeles	2,513,680	1,243,938	1,269,741	102.1%	4	1
Public	University of California - Riverside	136,495	65,887	70,608	107.2%	63	13
Public	University of California - San Diego	886,812	285,494	601,318	210.6%	68	26
Public	Univ. of California - San Francisco	1,752,616	734,468	1,018,149	138.6%	15	4
Public	Univ. of California - Santa Barbara	114,638	102,130	12,508	12.2%	-68	-34
Public	University of California - Santa Cruz	110,754	62,507	48,247	77.2%	21	-2
Public	University of Central Florida	89,169	60,807	28,361	46.6%	-32	-15
Private	University of Chicago	4,324,989	3,368,720	956,269	28.4%	-3	-2
Public	University of Cincinnati - Cincinnati	745,699	550,813	194,886	35.4%	-4	-5
Public	University of Colorado - Boulder	357,617	221,679	135,938	61.3%	-7	0
Public	U. of Colorado - Den./Anschutz Med.	308,038	161,649	146,390	90.6%	26	9
Public	University of Connecticut - Health Ctr.	61,721	44,632	17,089	38.3%	-56	-23
Public	University of Connecticut - Storrs	182,236	123,791	58,445	47.2%	-14	-11
Private	University of Dayton	310,048	211,614	98,434	46.5%	-20	-13
Public	University of Delaware	770,899	666,884	104,015	15.6%	-14	-6
Public	University of Florida	946,258	668,303	277,954	41.6%	-6	-3
Public	University of Georgia	695,154	378,597	316,557	83.6%	9	1

Annual Giving in Constant 1998 Dollars						Doctorates Awarded					
2018 Annual Giving x \$1000	2009 Annual Giving x \$1000	Net Change in Constant Dollars	Percent Change in Constant Dollars	Net Change in National Rank	Net Change in Control Rank	2018 Doctorates Awarded	2009 Doctorates Awarded	Net Change in Doctorates	Percent Change in Doctorates	Net Change in National Rank	Net Change in Control Rank
81,228	76,194	5,035	6.6%	-10	-9	54	46	8	17.4%	-2	2
59,856	47,104	12,751	27.1%	5	1	249	178	71	39.9%	15	11
29,081	22,192	6,889	31.0%	11	2	37	32	5	15.6%	-8	-1
112,235	96,626	15,609	16.2%	-4	-5	668	632	36	5.7%	-4	-2
147,244	141,619	5,624	4.0%	-8	-4	396	349	47	13.5%	2	1
104,901	114,957	-10,056	-8.7%	-13	-10	745	651	94	14.4%	2	2
24,648	24,113	535	2.2%	-16	-7	164	131	33	25.2%	9	4
62,458	63,212	-755	-1.2%	-15	-1	207	168	39	23.2%	4	0
38,627	56,572	-17,944	-31.7%	-47	-16	30	41	-11	-26.8%	-61	-37
9,019						14	48	-34	-70.8%	-189	-117
86,995	63,743	-23,917	-37.5%	-54	-37	737	410	327	79.8%	26	17
598,447	423,303	175,144	41.4%	-1	-1	726	661	65	9.8%	-1	-1
187	93	94	101.5%	118	54	5	0	5		-19	-15
28,488	27,135	1,353	5.0%	-18	-10	311	341	-30	-8.8%	-14	-12
41,832	26,465	15,367	58.1%	17	10	217	405	-188	-46.4%	-56	-40
166,736	123,397	43,339	35.1%	1	2	758	597	161	27.0%	8	5
30,701	23,798	6,903	29.0%	5	3	15	73	-58	-79.5%	-227	-127
38,493	45,086	-6,593	-14.6%	-31	-10	158	133	25	18.8%	-4	-2
56,571	38,263	18,308	47.8%	17	10	130	113	17	15.0%	2	4
4,997	4,564	433	9.5%	-20	-14	172	131	41	31.3%	11	7
30,455	15,925	14,529	91.2%	47	19	332	367	-35	-9.5%	-14	-12
43,058	57,068	-14,009	-24.5%	-37	-24	161	186	-25	-13.4%	-26	-17
1,555	1,041	514	49.4%	100	37	25	32	-7	-21.9%	-60	-17
19,265	9,638	9,628	99.9%	78	31	55	37	18	48.6%	35	19
151,615	93,499	58,117	62.2%	11	5	451	479	-28	-5.8%	-10	-9
121,055	54,194	66,862	123.4%	35	24	204	160	44	27.5%	6	5
10,860	11,998	-1,138	-9.5%	-43	-20	42	38	4	10.5%	-9	-2
228,764	168,694	60,070	35.6%	1	2	871	869	2	0.2%	-1	-1
93,860	61,175	32,685	53.4%	15	10	562	500	62	12.4%	0	-2
110,938	49,969	60,969	122.0%	40	26	380	402	-22	-5.5%	-9	-5
429,118	232,572	196,546	84.5%	4	0	721	760	-39	-5.1%	-6	-4
12,553	13,559	-1,007	-7.4%	-47	-25	305	188	117	62.2%	27	18
152,741	66,729	86,012	128.9%	31	19	515	437	78	17.8%	2	2
398,361	198,670	199,691	100.5%	9	2	135	153	-18	-11.8%	-27	-20
50,493	26,923	23,570	87.5%	30	18	361	347	14	4.0%	-3	-4
20,750	21,306	-556	-2.6%	-24	-15	159	145	14	9.7%	-10	-7
21,307	10,388	10,920	105.1%	82	30	277	192	85	44.3%	18	11
314,229	164,534	149,695	91.0%	9	4	439	366	73	19.9%	8	3
65,507	59,336	6,170	10.4%	-8	-8	244	250	-6	-2.4%	-16	-12
80,874	44,813	36,061	80.5%	29	18	407	300	107	35.7%	13	9
91,199	34,248	56,951	166.3%	59	37	128	152	-24	-15.8%	-33	-23
2,846	3,975	-1,129	-28.4%	-118	-52	26	22	4	18.2%	-8	2
27,114	18,460	8,655	46.9%	23	7	316	238	78	32.8%	10	5
18,966	13,992	4,973	35.5%	1	5	41	20	21	105.0%	65	38
26,274	18,458	7,816	42.3%	21	6	258	251	7	2.8%	-13	-9
185,397	133,962	51,435	38.4%	0	2	772	841	-69	-8.2%	-4	-4
92,927	44,552	48,375	108.6%	40	27	546	459	87	19.0%	2	1

Change: Private Support & Doctorates		Endowment Assets in Constant 1998 Dollars					
Institutions with Over \$40 Million in Federal Research, Alphabetically		2018 Endowment Assets x \$1000	2009 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 Hawaii - Manoa	175,127	98,636	76,492	77.5%	23	2
Public	University of Houston - Univ. Park	350,125	292,113	58,013	19.9%	-36	-17
Public	University of Idaho	153,284	98,659	54,625	55.4%	1	-8
Public	University of Illinois - Chicago	191,331	99,298	92,033	92.7%	33	6
Public	Univ. of Illinois - Urbana-Champaign	981,985	567,917	414,068	72.9%	9	1
Public	University of Iowa	818,499	446,844	371,655	83.2%	12	3
Public	University of Kansas - Lawrence	732,131	496,587	235,543	47.4%	-2	-6
Public	University of Kansas Medical Center	217,455	135,203	82,253	60.8%	5	-3
Public	University of Kentucky	742,560	460,828	281,732	61.1%	4	-3
Public	University of Louisville	388,557	396,590	-8,033	-2.0%	-60	-24
Public	University of Maryland - Baltimore	170,875	94,836	76,039	80.2%	26	7
Public	Univ. of Maryland - Baltimore County	52,829	28,748	24,081	83.8%	13	0
Public	University of Maryland - College Park	330,322	215,213	115,109	53.5%	-9	-1
Public	Univ. of Massachusetts - Amherst	189,263	105,938	83,325	78.7%	17	-1
Public	Univ. of Mass. Med. Sch. - Worcester	12,217	75,408	-63,191	-83.8%	-789	-317
Private	University of Miami	557,233	356,180	201,052	56.4%	-2	4
Public	University of Michigan - Ann Arbor	6,492,410	3,968,347	2,524,063	63.6%	-3	-2
Public	University of Minnesota - Twin Cities	2,027,883	1,379,174	648,709	47.0%	-4	-3
Public	University of Missouri - Columbia	548,294	291,582	256,711	88.0%	25	4
Public	University of Montana - Missoula	103,378	71,414	31,963	44.8%	-19	-14
Public	University of Nebraska - Lincoln	533,905	414,769	119,136	28.7%	-23	-16
Public	University of Nebraska Medical Ctr.	152,544	95,716	56,828	59.4%	6	-3
Public	University of Nevada - Reno	195,525	122,793	72,732	59.2%	1	-4
Public	Univ. of New Hampshire - Durham	212,468	120,525	91,943	76.3%	18	2
Public	Univ. of New Mexico - Albuquerque	246,853	184,959	61,894	33.5%	-30	-18
Public	Univ. of North Carolina - Chapel Hill	1,872,653	1,259,830	612,823	48.6%	-3	-3
Public	University of North Dakota	151,967	62,174	89,793	144.4%	90	24
Private	University of Notre Dame	5,851,935	3,171,134	2,680,801	84.5%	0	1
Public	University of Oklahoma - HSC	311,474	162,046	149,428	92.2%	28	10
Public	University of Oklahoma - Norman	635,256	398,668	236,588	59.3%	0	-5
Public	University of Oregon	497,775	255,598	242,177	94.7%	27	7
Private	University of Pennsylvania	7,515,594	3,419,277	4,096,317	119.8%	4	2
Public	University of Pittsburgh - Pittsburgh	2,291,212	1,214,951	1,076,261	88.6%	3	1
Public	University of Rhode Island	76,140	48,003	28,137	58.6%	-21	-9
Private	University of Rochester	1,188,027	869,347	318,680	36.7%	-3	-1
Public	Univ. of South Carolina - Columbia	415,553	258,878	156,675	60.5%	6	3
Public	University of South Florida - Tampa	262,073	182,121	79,952	43.9%	-21	-13
Private	University of Southern California	3,027,283	1,766,614	1,260,669	71.4%	2	2
Public	University of Tennessee - Knoxville	387,183	345,753	41,430	12.0%	-46	-21
Public	University of Texas - Austin	7,500,752	3,834,435	3,666,317	95.6%	1	1
Public	University of Texas - El Paso	143,137	88,767	54,370	61.3%	15	-1
Public	University of Texas HSC - Houston	288,348	102,187	186,161	182.2%	75	19
Public	Univ. of Texas HSC - San Antonio	323,410	227,442	95,968	42.2%	-23	-9
Public	U. of Texas MD Anderson Cancer Ctr.	760,088	361,939	398,149	110.0%	25	7
Public	U. of Texas Med. Branch - Galveston	312,746	260,665	52,081	20.0%	-33	-15
Public	Univ. of Texas SW Med. Ctr. - Dallas	1,085,902	757,483	328,419	43.4%	-5	-2
Public	University of Utah	647,482	339,511	307,971	90.7%	23	4
Public	University of Vermont	302,744	179,567	123,178	68.6%	3	1
Public	University of Virginia	3,740,117	2,365,646	1,374,471	58.1%	1	0

Annual Giving in Constant 1998 Dollars						Doctorates Awarded					
2018 Annual Giving x \$1000	2009 Annual Giving x \$1000	Net Change in Constant Dollars	Percent Change in Constant Dollars	Net Change in National Rank	Net Change in Control Rank	2018 Doctorates Awarded	2009 Doctorates Awarded	Net Change in Doctorates	Percent Change in Doctorates	Net Change in National Rank	Net Change in Control Rank
23,440	26,489	-3,049	-11.5%	-29	-16	204	205	-1	-0.5%	-15	-9
53,492	48,416	5,076	10.5%	-4	-6	389	231	158	68.4%	28	19
16,085	10,997	5,088	46.3%	27	9	47	88	-41	-46.6%	-98	-52
31,167	41,969	-10,803	-25.7%	-35	-22	349	292	57	19.5%	5	2
127,274	96,073	31,201	32.5%	0	-1	816	780	36	4.6%	2	1
73,979	77,322	-3,343	-4.3%	-19	-17	452	404	48	11.9%	5	4
80,073	55,184	24,889	45.1%	12	6	325	242	83	34.3%	11	4
21,285	13,796	7,489	54.3%	30	7	41	21	20	95.2%	58	26
81,458	44,168	37,290	84.4%	35	24	309	312	-3	-1.0%	-12	-11
43,161	36,229	6,932	19.1%	3	1	164	142	22	15.5%	-1	-2
31,134	52,453	-21,319	-40.6%	-54	-35	88	86	2	2.3%	-16	-9
8,049	8,924	-875	-9.8%	-65	-30	94	86	8	9.3%	-3	-1
68,107	61,293	6,815	11.1%	-5	-7	641	577	64	11.1%	-2	-1
22,109	15,297	6,813	44.5%	21	6	295	255	40	15.7%	-5	-7
19,612	4,457	15,156	340.1%	282	99	68	55	13	23.6%	11	8
98,245	101,523	-3,279	-3.2%	-11	-1	212	156	56	35.9%	11	5
267,314	174,140	93,174	53.5%	2	2	874	842	32	3.8%	1	1
200,440	171,822	28,617	16.7%	-4	-1	702	680	22	3.2%	-4	-2
80,575	67,394	13,181	19.6%	-3	-5	501	306	195	63.7%	25	18
22,582	15,889	6,693	42.1%	22	6	39	95	-56	-58.9%	-129	-70
64,363	44,647	19,716	44.2%	15	7	283	257	26	10.1%	-7	-9
52,532	37,065	15,466	41.7%	15	6	65	83	-18	-21.7%	-45	-24
23,705	17,179	6,526	38.0%	20	6	134	126	8	6.3%	-6	-8
13,638	10,203	3,435	33.7%	25	10	76	56	20	35.7%	23	16
41,261	41,501	-239	-0.6%	-16	-11	198	208	-10	-4.8%	-19	-13
204,308	178,624	25,684	14.4%	-5	-2	501	483	18	3.7%	-6	-5
13,302	4,285	9,017	210.4%	242	83	74	105	-31	-29.5%	-58	-32
274,262	123,301	150,960	122.4%	15	5	281	165	116	70.3%	31	12
6,503	13,209	-6,706	-50.8%	-204	-83	25	32	-7	-21.9%	-60	-17
58,531	76,650	-18,119	-23.6%	-37	-30	239	204	35	17.2%	-2	-2
105,383	65,825	39,558	60.1%	16	9	182	173	9	5.2%	-9	-5
391,412	290,819	100,593	34.6%	-4	-2	551	544	7	1.3%	-5	-1
70,942	76,124	-5,182	-6.8%	-18	-16	419	448	-29	-6.5%	-13	-9
13,195	8,935	4,260	47.7%	47	18	110	90	20	22.2%	4	-3
61,820	42,453	19,367	45.6%	16	8	261	275	-14	-5.1%	-16	-4
60,234	50,146	10,088	20.1%	2	-1	388	270	118	43.7%	15	9
30,661	22,491	8,170	36.3%	14	4	374	288	86	29.9%	10	6
354,559	244,007	110,552	45.3%	-3	0	762	803	-41	-5.1%	-4	-1
56,279	59,062	-2,783	-4.7%	-21	-16	393	410	-17	-4.1%	-11	-7
195,262	157,392	37,870	24.1%	-2	0	855	818	37	4.5%	1	1
10,116	14,131	-4,015	-28.4%	-99	-43	92	45	47	104.4%	68	36
30,811	24,893	5,918	23.8%	3	2	178	122	56	45.9%	25	15
22,957	25,949	-2,992	-11.5%	-29	-14	48	44	4	9.1%	-7	-2
80,888	61,355	19,534	31.8%	4	1						
37,863	18,780	19,083	101.6%	46	19	40	58	-18	-31.0%	-67	-32
63,125	76,007	-12,882	-16.9%	-26	-22	78	112	-34	-30.4%	-59	-32
127,656	70,664	56,992	80.7%	17	11	346	312	34	10.9%	-3	-4
22,789	17,636	5,153	29.2%	11	1	66	61	5	8.2%	-9	-3
150,401	154,396	-3,995	-2.6%	-6	-3	360	360	0	0.0%	-6	-6

Change: Private Support & Doctorates		Endowment Assets in Constant 1998 Dollars					
Institutions with Over \$40 Million in Federal Research, Alphabetically		2018 Endowment Assets x \$1000	2009 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 Washington - Seattle	1,507,853	1,090,589	417,264	38.3%	-4	-3
Public	University of Wisconsin - Madison	1,836,147	1,036,179	799,968	77.2%	1	1
Public	University of Wyoming	300,521	164,903	135,618	82.2%	15	4
Public	Utah State University	204,794	99,978	104,816	104.8%	39	8
Private	Vanderbilt University	2,513,915	1,896,305	617,611	32.6%	-4	-2
Public	Virginia Commonwealth University	1,064,454	167,245	897,210	536.5%	142	57
Public	Virginia Polytechnic Inst. and St. U.	625,173	298,738	326,435	109.3%	32	6
Private	Wake Forest University	730,426	586,415	144,011	24.6%	-14	-5
Public	Washington State Univ. - Pullman	558,799	409,851	148,948	36.3%	-13	-11
Private	Washington University in St. Louis	4,142,614	2,698,470	1,444,143	53.5%	1	1
Public	Wayne State University	205,363	135,255	70,108	51.8%	-5	-6
Private	Weill Cornell Medical College	871,651	590,117	281,534	47.7%	-6	-4
Public	West Virginia University	323,528	208,390	115,138	55.3%	-9	-1
Private	Woods Hole Oceanographic Inst.		174,941				
Private	Yale University	16,011,025	10,797,045	5,213,980	48.3%	0	0
Private	Yeshiva University	353,276	647,699	-294,423	-45.5%	-103	-64

Annual Giving in Constant 1998 Dollars						Doctorates Awarded					
2018 Annual Giving x \$1000	2009 Annual Giving x \$1000	Net Change in Constant Dollars	Percent Change in Constant Dollars	Net Change in National Rank	Net Change in Control Rank	2018 Doctorates Awarded	2009 Doctorates Awarded	Net Change in Doctorates	Percent Change in Doctorates	Net Change in National Rank	Net Change in Control Rank
371,514	213,960	157,554	73.6%	3	0	633	683	-50	-7.3%	-12	-7
149,994	226,036	-76,042	-33.6%	-21	-13	805	786	19	2.4%	0	-1
26,147	13,452	12,696	94.4%	55	20	113	69	44	63.8%	40	19
15,993	20,287	-4,294	-21.2%	-57	-28	99	88	11	12.5%	-1	0
94,727	106,082	-11,355	-10.7%	-15	-4	324	282	42	14.9%	0	3
38,760	40,434	-1,674	-4.1%	-18	-12	326	227	99	43.6%	17	9
72,501	51,995	20,505	39.4%	12	6	472	435	37	8.5%	-1	-1
97,152	39,767	57,385	144.3%	53	17	36	60	-24	-40.0%	-81	-42
46,437	39,790	6,648	16.7%	-1	1	336	195	141	72.3%	32	22
189,274	101,144	88,130	87.1%	12	6	262	250	12	4.8%	-9	-2
42,045	26,078	15,967	61.2%	19	12	223	252	-29	-11.5%	-25	-20
52,579	110,198	-57,619	-52.3%	-58	-16	56	57	-1	-1.8%	-16	-10
59,119	37,711	21,408	56.8%	23	11	190	186	4	2.2%	-9	-5
	7,014										
319,634	236,843	82,791	35.0%	-3	0	433	390	43	11.0%	2	-2
18,098	67,669	-49,571	-73.3%	-150	-66	101	125	-24	-19.2%	-36	-12

The Top American Research Universities

Change: Students		SAT Scores					
Institutions with Over \$40 Million in Federal Research, Alphabetically		2017 Median SAT	2008 Median SAT	Net Change in SAT	Percent Change in SAT	Net Change in National Rank	Net Change in Control Rank
Public	Arizona State University	1225	1075	150	14.0%	280	88
Public	Auburn University	1280	1170	110	9.4%	68	16
Public	Augusta University	940					
Private	Baylor College of Medicine						
Private	Boston University	1390	1270	120	9.4%	32	24
Private	Brandeis University	1400	1370	30	2.2%	-18	-14
Private	Brown University	1460	1430	30	2.1%	-3	-3
Private	California Institute of Technology	1560	1515	45	3.0%	0	0
Private	Carnegie Mellon University	1495	1395	100	7.2%	20	20
Private	Case Western Reserve University	1415	1310	105	8.0%	25	22
Public	Clemson University	1340	1225	115	9.4%	46	18
Public	Cleveland State University	1110	950	160	16.8%	500	187
Private	Cold Spring Harbor Laboratory						
Public	Colorado State Univ. - Fort Collins	1210	1110	100	9.0%	117	23
Private	Columbia University	1510	1435	75	5.2%	6	6
Private	Cornell University	1470	1400	70	5.0%	9	9
Private	Dartmouth College	1495	1440	55	3.8%	-1	-1
Private	Drexel University	1260	1200	60	5.0%	-1	16
Private	Duke University	1460	1440	20	1.4%	-9	-9
Private	Emory University	1415	1385	30	2.2%	-8	-7
Public	Florida International University	1160	1110	50	4.5%	-26	-35
Public	Florida State University	1310	1190	120	10.1%	75	17
Public	George Mason University	1195	1115	80	7.2%	70	9
Private	George Washington University	1360	1290	70	5.4%	0	0
Private	Georgetown University	1435	1355	80	5.9%	15	15
Public	Georgia Institute of Technology	1430	1330	100	7.5%	26	1
Public	Georgia State University	1130	1080	50	4.6%	-35	-38
Private	Harvard University	1525	1485	40	2.7%	2	2
Private	Icahn School of Med. at Mount Sinai						
Public	Indiana University - Bloomington	1310	1150	160	13.9%	153	47
Public	Iowa State University	1210	1130	80	7.1%	60	7
Private	Johns Hopkins University	1500	1400	100	7.1%	18	18
Public	Kansas State University	0	1090	-1090	-100.0%	-821	-353
Public	Louisiana State Univ. - Baton Rouge	1225	1170	55	4.7%	-11	-11
Private	Massachusetts Inst. of Technology	1530	1470	60	4.1%	6	6
Private	Medical College of Wisconsin						
Public	Medical University of South Carolina						
Public	Michigan State University	1210	1150	60	5.2%	12	-6
Public	Mississippi State University	1195	1090	105	9.6%	150	38
Public	Montana State University - Bozeman	1195	1090	105	9.6%	150	38
Public	Naval Postgraduate School						
Public	New Jersey Institute of Technology	1280	1135	145	12.8%	155	40
Public	New Mexico State Univ. - Las Cruces	1060	990	70	7.1%	66	-7
Private	New York University	1390	1345	45	3.3%	-13	-9
Public	North Carolina State University	1325	1165	160	13.7%	150	48
Private	Northeastern University	1460	1270	190	15.0%	76	64
Private	Northwestern University	1460	1435	25	1.7%	-7	-7
Public	Ohio State University - Columbus	1340	1240	100	8.1%	35	15
Public	Oklahoma State University - Stillwater	1210	1130	80	7.1%	60	7

National Merit and Achievement Scholars						Headcount Enrollment			
2018 National Merit Scholars	2009 National Merit Scholars	Net Change in Merit Scholars	Percent Change in Merit Scholars	Net Change in National Rank	Net Change in Control Rank	Fall 2017 Total Student Headcount	Fall 2008 Total Student Headcount	Net Change in Enrollment	Percent Change in Enrollment
151	164	-13	-7.9%	4	0	103,203	67,082	36,121	53.8%
49	66	-17	-25.8%	-7	-6	29,776	24,530	5,246	21.4%
1	0	1		155	50	8,220			
						1,585	1,385	200	14.4%
60	32	28	87.5%	32	19	33,355	31,766	1,589	5.0%
15	14	1	7.1%	14	17	5,721	5,327	394	7.4%
58	102	-44	-43.1%	-14	-6	10,095	8,318	1,777	21.4%
37	43	-6	-14.0%	-5	1	2,238	2,126	112	5.3%
37	29	8	27.6%	16	12	13,869	10,875	2,994	27.5%
60	37	23	62.2%	28	17	11,824	9,814	2,010	20.5%
45	39	6	15.4%	10	4	24,387	18,317	6,070	33.1%
1	0	1		155	50	16,371	15,139	1,232	8.1%
11	9	2	22.2%	35	7	33,083	28,882	4,201	14.5%
69	109	-40	-36.7%	-9	-2	30,454	23,196	7,258	31.3%
78	84	-6	-7.1%	3	4	23,016	20,273	2,743	13.5%
67	79	-12	-15.2%	-3	0	6,509	5,848	661	11.3%
3	2	1	50.0%	47	45	24,190	21,537	2,653	12.3%
106	130	-24	-18.5%	-1	2	16,130	14,060	2,070	14.7%
77	64	13	20.3%	10	8	14,263	12,755	1,508	11.8%
0	0	0		84	27	56,718	38,759	17,959	46.3%
21	25	-4	-16.0%	-3	-12	41,362	38,682	2,680	6.9%
0	2	-2	-100.0%	-72	-39	35,984	30,613	5,371	17.5%
5	19	-14	-73.7%	-51	-23	27,973	25,116	2,857	11.4%
38	47	-9	-19.1%	-6	-1	19,005	15,318	3,687	24.1%
105	119	-14	-11.8%	1	-2	29,376	19,413	9,963	51.3%
1	0	1		155	50	32,816	28,229	4,587	16.2%
195	327	-132	-40.4%	-3	-2	31,120	26,496	4,624	17.5%
						1,208	902	306	33.9%
51	87	-36	-41.4%	-15	-8	43,710	40,354	3,356	8.3%
27	42	-15	-35.7%	-16	-13	36,158	26,856	9,302	34.6%
49	28	21	75.0%	31	20	25,151	19,758	5,393	27.3%
10	8	2	25.0%	43	11	22,795	23,520	-725	-3.1%
24	42	-18	-42.9%	-19	-15	30,861	28,810	2,051	7.1%
147	143	4	2.8%	5	5	11,466	10,299	1,167	11.3%
						1,385	1,228	157	12.8%
						2,985	2,528	457	18.1%
53	56	-3	-5.4%	2	0	50,019	46,510	3,509	7.5%
45	21	24	114.3%	44	19	21,883	17,824	4,059	22.8%
9	8	1	12.5%	39	9	16,613	11,976	4,637	38.7%
						2,704	2,309	395	17.1%
2	0	2		188	62	11,446	8,398	3,048	36.3%
0	1	-1	-100.0%	-34	-22	14,432	17,239	-2,807	-16.3%
20	121	-101	-83.5%	-69	-27	51,123	42,189	8,934	21.2%
7	11	-4	-36.4%	3	-10	34,432	32,872	1,560	4.7%
118	45	73	162.2%	33	20	21,489	25,837	-4,348	-16.8%
172	257	-85	-33.1%	-6	-2	22,008	19,291	2,717	14.1%
32	122	-90	-73.8%	-43	-25	59,837	53,715	6,122	11.4%
22	13	9	69.2%	41	9	25,295	22,995	2,300	10.0%

Change: Students		SAT Scores					
Institutions with Over \$40 Million in Federal Research, Alphabetically		2017 Median SAT	2008 Median SAT	Net Change in SAT	Percent Change in SAT	Net Change in National Rank	Net Change in Control Rank
Public	Oregon Health & Science University						
Public	Oregon State University	1185	1070	115	10.7%	187	55
Public	Penn. State Univ. - Hershey Med. Ctr.						
Public	Pennsylvania State Univ. - Univ. Park	1250	1195	55	4.6%	-12	-16
Private	Princeton University	1500	1485	15	1.0%	-3	-3
Public	Purdue University - West Lafayette	1265	1150	115	10.0%	98	22
Private	Rensselaer Polytechnic Institute	1410	1335	75	5.6%	3	5
Private	Rice University	1500	1425	75	5.3%	9	9
Private	Rockefeller University						
Private	Rush University						
Public	Rutgers University - New Brunswick	1295	1185	110	9.3%	76	17
Private	Scripps Research Institute						
Private	Stanford University	1465	1435	30	2.1%	-6	-6
Public	State Univ. of NY - Polytechnic Inst.	1145	1085	60	5.5%	30	-17
Public	Stony Brook University	1310	1180	130	11.0%	99	30
Public	Temple University		1110				
Public	Texas A&M Univ. - College Station	1250	1190	60	5.0%	-5	-13
Private	Thomas Jefferson University						
Private	Tufts University	1445	1420	25	1.8%	-9	-9
Private	Tulane University	1415	1340	75	5.6%	10	10
Public	Uniformed Services Univ. of the HS						
Public	University at Albany	1170	1105	65	5.9%	37	-9
Public	University at Buffalo	1170	1150	20	1.7%	-114	-55
Public	University of Alabama - Birmingham	1195	1110	85	7.7%	78	12
Public	University of Alabama - Huntsville	1310	1130	180	15.9%	201	60
Public	University of Alaska - Fairbanks	1080	1025	55	5.4%	-18	-46
Public	University of Arizona		1100				
Public	University of Arkansas - Fayetteville	1240	1170	70	6.0%	17	-4
Public	Univ. of Arkansas for Med. Sciences						
Public	University of California - Berkeley	1415	1330	85	6.4%	15	0
Public	University of California - Davis	1245	1160	85	7.3%	51	7
Public	University of California - Irvine	1260	1170	90	7.7%	47	5
Public	University of California - Los Angeles	1335	1285	50	3.9%	-13	-5
Public	University of California - Riverside	1195	1045	150	14.4%	390	119
Public	University of California - San Diego	1310	1245	65	5.2%	9	0
Public	Univ. of California - San Francisco						
Public	Univ. of California - Santa Barbara	1295	1185	110	9.3%	76	17
Public	University of California - Santa Cruz	1250	1135	115	10.1%	114	27
Public	University of Central Florida	1235	1175	60	5.1%	-9	-9
Private	University of Chicago	1480	1420	60	4.2%	5	5
Public	University of Cincinnati - Cincinnati	1225	1110	115	10.4%	140	32
Public	University of Colorado - Boulder	1295	1190	105	8.8%	60	8
Public	U. of Colorado - Den./Anschutz Med.	1180	1030	150	14.6%	372	112
Public	Univ. of Connecticut - Health Center						
Public	University of Connecticut - Storrs	1300	1200	100	8.3%	46	4
Private	University of Dayton	1260	1170	90	7.7%	47	42
Public	University of Delaware	1230	1195	35	2.9%	-45	-28
Public	University of Florida	1320	1270	50	3.9%	-18	-9
Public	University of Georgia	1325	1215	110	9.1%	52	13

National Merit and Achievement Scholars						Headcount Enrollment			
2018 National Merit Scholars	2009 National Merit Scholars	Net Change in Merit Scholars	Percent Change in Merit Scholars	Net Change in National Rank	Net Change in Control Rank	Fall 2017 Total Student Headcount	Fall 2008 Total Student Headcount	Net Change in Enrollment	Percent Change in Enrollment
						2,895	2,424	471	19.4%
18	8	10	125.0%	69	21	30,896	20,305	10,591	52.2%
						929	818	111	13.6%
24	25	-1	-4.0%	11	-2	47,119	44,406	2,713	6.1%
90	246	-156	-63.4%	-18	-9	8,273	7,330	943	12.9%
133	9	124	1377.8%	140	60	42,699	41,433	1,266	3.1%
32	21	11	52.4%	30	20	7,592	6,777	815	12.0%
55	183	-128	-69.9%	-29	-14	7,022	5,357	1,665	31.1%
						232	207	25	12.1%
						2,569	1,731	838	48.4%
40	21	19	90.5%	39	15	49,577	36,041	13,536	37.6%
				84	57				
157	177	-20	-11.3%	5	4	17,534	17,833	-299	-1.7%
0	0	0		84	27	2,912	2,891	21	0.7%
9	6	3	50.0%	63	14	25,989	23,991	1,998	8.3%
3	1	2	200.0%	85	19	39,967	35,490	4,477	12.6%
178	192	-14	-7.3%	5	1	67,929	48,039	19,890	41.4%
				84	57	4,028	3,202	826	25.8%
48	55	-7	-12.7%	-1	1	11,449	10,030	1,419	14.1%
24	39	-15	-38.5%	-14	-3	12,384	10,737	1,647	15.3%
				84	27				
0	1	-1	-100.0%	-34	-22	17,743	18,204	-461	-2.5%
2	1	1	100.0%	70	13	30,648	28,192	2,456	8.7%
22	10	12	120.0%	64	19	20,902	16,149	4,753	29.4%
4	0	4		224	76	9,101	7,431	1,670	22.5%
0	1	-1	-100.0%	-34	-22	7,664	8,575	-911	-10.6%
43	81	-38	-46.9%	-20	-11	43,751	38,057	5,694	15.0%
42	32	10	31.3%	17	6	27,558	19,194	8,364	43.6%
						2,836	2,652	184	6.9%
124	94	30	31.9%	12	3	41,891	35,396	6,495	18.3%
9	2	7	350.0%	113	30	37,380	30,568	6,812	22.3%
8	0	8		262	91	35,242	26,984	8,258	30.6%
77	25	52	208.0%	55	21	44,027	38,220	5,807	15.2%
0	0	0		84	27	23,279	18,079	5,200	28.8%
19	15	4	26.7%	21	0	35,772	27,520	8,252	30.0%
						3,107	2,998	109	3.6%
4	3	1	33.3%	45	2	25,057	21,868	3,189	14.6%
1	2	-1	-50.0%	-1	-16	19,457	16,615	2,842	17.1%
83	57	26	45.6%	17	6	66,059	50,121	15,938	31.8%
249	218	31	14.2%	6	5	16,227	14,788	1,439	9.7%
77	26	51	196.2%	53	20	37,155	29,617	7,538	25.5%
8	9	-1	-11.1%	23	-1	35,338	32,469	2,869	8.8%
0	0	0		84	27	24,839	21,903	2,936	13.4%
							830		
4	5	-1	-20.0%	24	-3	27,578	24,273	3,305	13.6%
3	8	-5	-62.5%	-27	-8	10,882	10,920	-38	-0.3%
2	13	-11	-84.6%	-81	-44	23,774	20,500	3,274	16.0%
231	180	51	28.3%	11	4	52,669	51,474	1,195	2.3%
56	69	-13	-18.8%	-5	-4	37,606	34,180	3,426	10.0%

Change: Students		SAT Scores					
Institutions with Over \$40 Million in Federal Research, Alphabetically		2017 Median SAT	2008 Median SAT	Net Change in SAT	Percent Change in SAT	Net Change in National Rank	Net Change in Control Rank
Public	University of Hawaii - Manoa	1145	1090	55	5.0%	-19	-37
Public	University of Houston - Univ. Park	1195	1055	140	13.3%	303	91
Public	University of Idaho	1120	1070	50	4.7%	-83	-53
Public	University of Illinois - Chicago	1140	1090	50	4.6%	-30	-40
Public	Univ. of Illinois - Urbana-Champaign	1340	1280	60	4.7%	-5	1
Public	University of Iowa	1225	1170	55	4.7%	-11	-11
Public	University of Kansas - Lawrence		1130				
Public	University of Kansas Medical Center						
Public	University of Kentucky	1210	1110	100	9.0%	117	23
Public	University of Louisville	1210	1110	100	9.0%	117	23
Public	University of Maryland - Baltimore						
Public	Univ. of Maryland - Baltimore County	1250	1190	60	5.0%	-5	-13
Public	University of Maryland - College Park	1375	1275	100	7.8%	21	5
Public	Univ. of Massachusetts - Amherst	1270	1155	115	10.0%	98	23
Public	Univ. of Mass. Med. Sch. - Worcester						
Private	University of Miami	1370	1285	85	6.6%	14	12
Public	University of Michigan - Ann Arbor	1415	1300	115	8.8%	34	6
Public	University of Minnesota - Twin Cities	1325	1205	120	10.0%	60	15
Public	University of Missouri - Columbia	1240	1170	70	6.0%	17	-4
Public	University of Montana - Missoula	1160	1070	90	8.4%	125	25
Public	University of Nebraska - Lincoln	1225	1150	75	6.5%	35	3
Public	University of Nebraska Medical Ctr.						
Public	University of Nevada - Reno	1160	1050	110	10.5%	216	50
Public	Univ. of New Hampshire - Durham	1165	1130	35	3.1%	-75	-47
Public	Univ. of New Mexico - Albuquerque	1110	1030	80	7.8%	85	-1
Public	Univ. of North Carolina - Chapel Hill	1385	1305	80	6.1%	7	0
Public	University of North Dakota	1160	1090	70	6.4%	46	-9
Private	University of Notre Dame	1460	1410	50	3.5%	5	5
Public	University of Oklahoma - HSC						
Public	University of Oklahoma - Norman	1240	1170	70	6.0%	17	-4
Public	University of Oregon	1175	1090	85	7.8%	70	2
Private	University of Pennsylvania	1480	1425	55	3.9%	3	3
Public	University of Pittsburgh - Pittsburgh	1329	1245	84	6.7%	24	7
Public	University of Rhode Island	1140	1045	95	9.1%	210	41
Private	University of Rochester	1395	1320	75	5.7%	2	2
Public	Univ. of South Carolina - Columbia	1295	1180	115	9.7%	84	21
Public	University of South Florida - Tampa	1230	1140	90	7.9%	75	12
Private	University of Southern California	1430	1370	60	4.4%	8	8
Public	University of Tennessee - Knoxville	1280	1170	110	9.4%	68	16
Public	University of Texas - Austin	1340	1225	115	9.4%	46	18
Public	University of Texas - El Paso	1025	920	105	11.4%	202	70
Public	University of Texas HSC - Houston						
Public	Univ. of Texas HSC - San Antonio						
Public	U. of Texas MD Anderson Cancer Ctr.						
Public	U. of Texas Med. Branch - Galveston						
Public	Univ. of Texas SW Med. Ctr. - Dallas						
Public	University of Utah	1225	1110	115	10.4%	140	32
Public	University of Vermont	1265	1190	75	6.3%	20	-8
Public	University of Virginia	1405	1330	75	5.6%	4	-2

National Merit and Achievement Scholars						Headcount Enrollment			
2018 National Merit Scholars	2009 National Merit Scholars	Net Change in Merit Scholars	Percent Change in Merit Scholars	Net Change in National Rank	Net Change in Control Rank	Fall 2017 Total Student Headcount	Fall 2008 Total Student Headcount	Net Change in Enrollment	Percent Change in Enrollment
0	0	0		84	27	17,612	20,169	-2,557	-12.7%
17	13	4	30.8%	26	0	45,364	36,104	9,260	25.6%
14	21	-7	-33.3%	-15	-15	12,072	11,791	281	2.4%
2	1	1	100.0%	70	13	30,539	25,835	4,704	18.2%
24	98	-74	-75.5%	-46	-27	48,216	43,246	4,970	11.5%
22	22	0	0.0%	6	-5	32,166	29,152	3,014	10.3%
20	50	-30	-60.0%	-42	-29	27,625	29,365	-1,740	-5.9%
66	28	38	135.7%	39	15	29,465	26,054	3,411	13.1%
23	23	0	0.0%	8	-3	21,402	20,834	568	2.7%
						6,703	6,156	547	8.9%
4	2	2	100.0%	68	10	13,662	12,268	1,394	11.4%
88	62	26	41.9%	16	6	40,521	37,000	3,521	9.5%
3	1	2	200.0%	85	19	30,340	26,359	3,981	15.1%
						1,095	1,025	70	6.8%
24	39	-15	-38.5%	-14	-3	17,003	15,323	1,680	11.0%
80	64	16	25.0%	12	3	46,002	41,028	4,974	12.1%
137	113	24	21.2%	9	2	51,848	51,140	708	1.4%
29	21	8	38.1%	25	7	30,844	30,130	714	2.4%
3	6	-3	-50.0%	-3	-14	11,865	14,207	-2,342	-16.5%
35	50	-15	-30.0%	-13	-9	26,079	23,573	2,506	10.6%
						3,908	3,194	714	22.4%
15	9	6	66.7%	50	12	21,657	16,867	4,790	28.4%
1	0	1		155	50	15,363	14,898	465	3.1%
13	2	11	550.0%	126	36	26,221	25,754	467	1.8%
34	193	-159	-82.4%	-51	-28	29,911	28,567	1,344	4.7%
6	5	1	20.0%	52	7	14,406	12,748	1,658	13.0%
69	57	12	21.1%	10	8	12,467	11,731	736	6.3%
						3,139	3,926	-787	-20.0%
156	199	-43	-21.6%	-2	-3	28,527	26,140	2,387	9.1%
8	13	-5	-38.5%	-7	-15	22,887	21,452	1,435	6.7%
111	148	-37	-25.0%	-2	1	25,367	24,107	1,260	5.2%
17	28	-11	-39.3%	-23	-21	28,642	27,562	1,080	3.9%
0	0	0		84	27	18,089	15,904	2,185	13.7%
28	23	5	21.7%	19	16	11,648	9,735	1,913	19.7%
68	40	28	70.0%	23	9	34,731	27,488	7,243	26.3%
23	21	2	9.5%	13	0	43,540	46,189	-2,649	-5.7%
276	233	43	18.5%	6	5	45,687	33,747	11,940	35.4%
21	39	-18	-46.2%	-28	-21	28,321	30,410	-2,089	-6.9%
90	249	-159	-63.9%	-19	-10	51,525	49,984	1,541	3.1%
0	0	0		84	27	25,078	20,458	4,620	22.6%
						5,242	3,865	1,377	35.6%
						3,277	3,093	184	5.9%
						357	203	154	75.9%
						3,302	2,338	964	41.2%
						2,238	2,461	-223	-9.1%
36	10	26	260.0%	88	35	32,800	28,211	4,589	16.3%
0	13	-13	-100.0%	-185	-79	13,340	12,800	540	4.2%
38	39	-1	-2.6%	3	-1	24,360	24,541	-181	-0.7%

Change: Students		SAT Scores					
Institutions with Over \$40 Million in Federal Research, Alphabetically		2017 Median SAT	2008 Median SAT	Net Change in SAT	Percent Change in SAT	Net Change in National Rank	Net Change in Control Rank
Public	University of Washington - Seattle	1305	1195	110	9.2%	57	8
Public	University of Wisconsin - Madison	1340	1260	80	6.3%	10	6
Public	University of Wyoming	1195	1090	105	9.6%	150	38
Public	Utah State University	1180	1090	90	8.3%	102	17
Private	Vanderbilt University	1480	1415	65	4.6%	9	9
Public	Virginia Commonwealth University	1165	1080	85	7.9%	111	18
Public	Virginia Polytechnic Inst. and St. U.	1270	1205	65	5.4%	-3	-13
Private	Wake Forest University		1320				
Public	Washington State Univ. - Pullman	1120	1110	10	0.9%	-234	-113
Private	Washington University in St. Louis	1460	1460	0	0.0%	-10	-10
Public	Wayne State University	1105	950	155	16.3%	441	164
Private	Weill Cornell Medical College						
Public	West Virginia University	1180	1090	90	8.3%	102	17
Private	Woods Hole Oceanographic Inst.						
Private	Yale University	1520	1495	25	1.7%	-1	-1
Private	Yeshiva University	1290	1210	80	6.6%	8	15

National Merit and Achievement Scholars						Headcount Enrollment			
2018 National Merit Scholars	2009 National Merit Scholars	Net Change in Merit Scholars	Percent Change in Merit Scholars	Net Change in National Rank	Net Change in Control Rank	Fall 2017 Total Student Headcount	Fall 2008 Total Student Headcount	Net Change in Enrollment	Percent Change in Enrollment
27	37	-10	-27.0%	-4	-6	46,166	39,675	6,491	16.4%
24	22	2	9.1%	17	2	42,977	41,620	1,357	3.3%
6	2	4	200.0%	96	20	12,397	12,067	330	2.7%
2	2	0	0.0%	32	-4	27,679	15,099	12,580	83.3%
182	197	-15	-7.6%	4	4	12,592	12,093	499	4.1%
6	1	5	500.0%	134	37	30,675	32,044	-1,369	-4.3%
5	16	-11	-68.8%	-43	-27	34,440	30,739	3,701	12.0%
4	11	-7	-63.6%	-29	-7	8,116	6,862	1,254	18.3%
4	3	1	33.3%	45	2	30,614	25,352	5,262	20.8%
45	240	-195	-81.3%	-43	-22	15,303	13,339	1,964	14.7%
2	15	-13	-86.7%	-92	-47	27,064	31,024	-3,960	-12.8%
						1,107	965	142	14.7%
18	21	-3	-14.3%	-2	-10	28,406	28,840	-434	-1.5%
124	275	-151	-54.9%	-14	-6	12,974	10,192	2,782	27.3%
1	1	0	0.0%	37	36	6,330	6,292	38	0.6%

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

Federal Land Grant Institution	Federal Research Focus	Total Student Enrollment Fall 2017
	Moderate Engineering and Moderate Life Sciences	103,203
Yes	Moderate Engineering and Moderate Life Sciences	29,776
	All Life Sciences	8,220
	All Life Sciences	1,585
	Strong Life Sciences	33,355
	Strong Life Sciences	5,721
	Strong Life Sciences	10,095
	Strong Physical Sciences	2,238
	Moderate Computer Sciences and Moderate Engineering	13,869
	Heavy Life Sciences	11,824
Yes	Moderate Engineering and Moderate Life Sciences	24,387
	Heavy Life Sciences	16,371
	All Life Sciences	
Yes	Moderate Environmental Sciences and Moderate Life Sciences	33,083
	Strong Life Sciences	30,454
Yes	Moderate Physical Sciences and Moderate Life Sciences	23,016
	Strong Life Sciences	6,509
	Moderate Engineering and Strong Life Sciences	24,190
	Heavy Life Sciences	16,130
	Heavy Life Sciences	14,263
	Moderate Life Sciences	56,718
	Moderate Engineering and Moderate Physical Sciences	41,362
	Mixed	35,984
	Heavy Life Sciences	27,973
	Heavy Life Sciences	19,005
	Strong Engineering	29,376
	Strong Life Sciences	32,816
	Strong Life Sciences	31,120
	All Life Sciences	1,208
	Strong Life Sciences	43,710
Yes	Moderate Engineering and Moderate Life Sciences	36,158
	Moderate Engineering and Moderate Life Sciences	25,151
Yes	Strong Life Sciences	22,795
Yes-System	Strong Life Sciences	30,861
	Moderate Engineering	11,466
	All Life Sciences	1,385
	All Life Sciences	2,985
Yes	Moderate Physical Sciences and Moderate Life Sciences	50,019
Yes	Moderate Engineering and Moderate Life Sciences	21,883
Yes	Moderate Engineering and Moderate Life Sciences	16,613
	Moderate Engineering	2,704
	Strong Engineering	11,446
Yes	Moderate Engineering and Moderate Physical Sciences	14,432
	Heavy Life Sciences	51,123
Yes	Moderate Engineering and Moderate Life Sciences	34,432
	Moderate Engineering	21,489
	Strong Life Sciences	22,008
Yes	Strong Life Sciences	59,837
Yes	Moderate Engineering and Moderate Life Sciences	25,295

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

Federal Land Grant Institution	Federal Research Focus	Total Student Enrollment Fall 2017
	Heavy Life Sciences	2,895
Yes	Moderate Life Sciences	30,896
	All Life Sciences	929
Yes	Moderate Engineering	47,119
	Moderate Engineering and Moderate Physical Sciences	8,273
Yes	Moderate Engineering and Moderate Life Sciences	42,699
	Strong Engineering	7,592
	Moderate Engineering	7,022
	Heavy Life Sciences	232
	Heavy Life Sciences	2,569
Yes	Strong Life Sciences	49,577
	All Life Sciences	
	Strong Life Sciences	17,534
	Heavy Engineering	2,912
	Moderate Life Sciences	25,989
	Heavy Life Sciences	39,967
Yes	Moderate Environmental Sciences and Moderate Life Sciences	67,929
	All Life Sciences	4,028
	Heavy Life Sciences	11,449
	Heavy Life Sciences	12,384
	All Life Sciences	
	Moderate Environmental Sciences and Strong Life Sciences	17,743
	Moderate Engineering and Strong Life Sciences	30,648
	Heavy Life Sciences	20,902
	Moderate Computer Sciences and Moderate Engineering	9,101
Yes-System	Strong Environmental Sciences	7,664
Yes	Strong Life Sciences	43,751
Yes	Moderate Engineering and Moderate Life Sciences	27,558
	All Life Sciences	2,836
Yes-System	Moderate Physical Sciences and Moderate Life Sciences	41,891
Yes-System	Heavy Life Sciences	37,380
No-System	Strong Life Sciences	35,242
No-System	Strong Life Sciences	44,027
Yes-System	Moderate Life Sciences	23,279
No-System	Strong Life Sciences	35,772
No-System	Heavy Life Sciences	3,107
No-System	Moderate Engineering and Moderate Physical Sciences	25,057
No-System	Moderate Engineering and Moderate Life Sciences	19,457
	Moderate Engineering and Moderate Physical Sciences	66,059
	Strong Life Sciences	16,227
	Heavy Life Sciences	37,155
	Moderate Environmental Sciences	35,338
	All Life Sciences	24,839
	All Life Sciences	
Yes	Moderate Life Sciences	27,578
	All Engineering	10,882
Yes	Moderate Engineering and Moderate Life Sciences	23,774
Yes	Strong Life Sciences	52,669
Yes	Strong Life Sciences	37,606

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

Federal Land Grant Institution	Federal Research Focus	Total Student Enrollment Fall 2017
Yes	Moderate Environmental Sciences and Moderate Life Sciences	17,612
	Moderate Engineering and Moderate Life Sciences	45,364
Yes	Strong Life Sciences	12,072
	Heavy Life Sciences	30,539
Yes	Moderate Engineering	48,216
	Heavy Life Sciences	32,166
	Strong Life Sciences	27,625
	All Life Sciences	
Yes	Strong Life Sciences	29,465
	Heavy Life Sciences	21,402
	All Life Sciences	6,703
	Moderate Environmental Sciences	13,662
Yes	Mixed	40,521
Yes	Moderate Engineering and Moderate Life Sciences	30,340
	All Life Sciences	1,095
	Strong Life Sciences	17,003
	Strong Life Sciences	46,002
Yes	Strong Life Sciences	51,848
Yes-System	Heavy Life Sciences	30,844
	Heavy Life Sciences	11,865
Yes-System	Moderate Life Sciences	26,079
No-System	All Life Sciences	3,908
Yes	Strong Life Sciences	21,657
Yes	Moderate Environmental Sciences and Moderate Life Sciences	15,363
	Strong Life Sciences	26,221
	Strong Life Sciences	29,911
	Moderate Engineering and Moderate Life Sciences	14,406
	Moderate Engineering and Moderate Physical Sciences	12,467
	All Life Sciences	3,139
	Moderate Environmental Sciences	28,527
	Moderate Life Sciences	22,887
	Heavy Life Sciences	25,367
	Heavy Life Sciences	28,642
Yes	Moderate Environmental Sciences and Moderate Life Sciences	18,089
	Moderate Physical Sciences and Strong Life Sciences	11,648
	Strong Life Sciences	34,731
	Strong Life Sciences	43,540
	Strong Life Sciences	45,687
Yes	Moderate Engineering	28,321
	Moderate Engineering	51,525
	Moderate Engineering and Moderate Life Sciences	25,078
	All Life Sciences	5,242
	All Life Sciences	3,277
	Heavy Life Sciences	357
	All Life Sciences	3,302
	All Life Sciences	2,238
	Strong Life Sciences	32,800
Yes	Heavy Life Sciences	13,340
	Strong Life Sciences	24,360

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

Federal Land Grant Institution	Federal Research Focus	Total Student Enrollment Fall 2017
	Strong Life Sciences	46,166
Yes	Strong Life Sciences	42,977
Yes	Strong Life Sciences	12,397
Yes	Strong Engineering	27,679
	Heavy Life Sciences	12,592
	Heavy Life Sciences	30,675
Yes	Moderate Engineering and Moderate Life Sciences	34,440
	All Life Sciences	8,116
Yes	Strong Life Sciences	30,614
	Heavy Life Sciences	15,303
	Heavy Life Sciences	27,064
	All Life Sciences	1,107
Yes	Moderate Engineering and Strong Life Sciences	28,406
	Moderate Engineering and Strong Environmental Sciences	
	Heavy Life Sciences	12,974
	All Life Sciences	6,330

The Top American Research Universities

Student Characteristics		Fall 2017 Headcount Enrollment						
		Total Student Enrollment	Total Undergraduate Students	%	Total Graduate Students	%	First-time, Full-time Students	Full-time Transfer Students
Public	Arizona State University	103,203	83,544	81.0%	19,659	19.0%	11,263	6,196
Public	Auburn University	29,776	23,964	80.5%	5,812	19.5%	4,771	1,073
Public	Augusta University	8,220	5,291	64.4%	2,929	35.6%	886	482
Private	Baylor College of Medicine	1,585			1,585	100.0%		
Private	Boston University	33,355	18,080	54.2%	15,275	45.8%	3,498	754
Private	Brandeis University	5,721	3,635	63.5%	2,086	36.5%	858	46
Private	Brown University	10,095	6,988	69.2%	3,107	30.8%	1,637	76
Private	California Institute of Technology	2,238	961	42.9%	1,277	57.1%	235	3
Private	Carnegie Mellon University	13,869	6,533	47.1%	7,336	52.9%	1,676	73
Private	Case Western Reserve University	11,824	5,150	43.6%	6,674	56.4%	1,308	34
Public	Clemson University	24,387	19,402	79.6%	4,985	20.4%	3,646	1,517
Public	Cleveland State University	16,371	12,078	73.8%	4,293	26.2%	1,926	1,002
Private	Cold Spring Harbor Laboratory							
Public	Colorado State Univ. - Fort Collins	33,083	25,523	77.1%	7,560	22.9%	4,866	1,309
Private	Columbia University	30,454	8,170	26.8%	22,284	73.2%	1,434	607
Private	Cornell University	23,016	14,907	64.8%	8,109	35.2%	3,349	612
Private	Dartmouth College	6,509	4,410	67.8%	2,099	32.2%	1,215	4
Private	Drexel University	24,190	15,534	64.2%	8,656	35.8%	3,268	738
Private	Duke University	16,130	6,696	41.5%	9,434	58.5%	1,748	39
Private	Emory University	14,263	6,937	48.6%	7,326	51.4%	1,388	597
Public	Florida International University	56,718	47,629	84.0%	9,089	16.0%	3,489	3,386
Public	Florida State University	41,362	33,008	79.8%	8,354	20.2%	6,365	1,903
Public	George Mason University	35,984	25,010	69.5%	10,974	30.5%	3,442	2,174
Private	George Washington University	27,973	11,999	42.9%	15,974	57.1%	2,607	578
Private	Georgetown University	19,005	7,463	39.3%	11,542	60.7%	1,596	207
Public	Georgia Institute of Technology	29,376	15,573	53.0%	13,803	47.0%	2,853	681
Public	Georgia State University	32,816	25,770	78.5%	7,046	21.5%	4,149	1,230
Private	Harvard University	31,120	9,965	32.0%	21,155	68.0%	1,688	12
Private	Icahn School of Med. at Mount Sinai	1,208			1,208	100.0%		
Public	Indiana University - Bloomington	43,710	33,429	76.5%	10,281	23.5%	7,975	749
Public	Iowa State University	36,158	30,571	84.5%	5,587	15.5%	5,771	1,603
Private	Johns Hopkins University	25,151	6,109	24.3%	19,042	75.7%	1,419	76
Public	Kansas State University	22,795	18,488	81.1%	4,307	18.9%	3,308	1,053
Public	Louisiana State Univ. - Baton Rouge	30,861	25,444	82.4%	5,417	17.6%	4,910	673
Private	Massachusetts Inst. of Technology	11,466	4,547	39.7%	6,919	60.3%	1,097	21
Private	Medical College of Wisconsin	1,385			1,385	100.0%		
Public	Medical University of South Carolina	2,985	303	10.2%	2,682	89.8%		145
Public	Michigan State University	50,019	38,996	78.0%	11,023	22.0%	8,140	1,540
Public	Mississippi State University	21,883	18,312	83.7%	3,571	16.3%	3,428	1,890
Public	Montana State University - Bozeman	16,613	14,652	88.2%	1,961	11.8%	2,787	614
Public	Naval Postgraduate School	2,704			2,704	100.0%		
Public	New Jersey Institute of Technology	11,446	8,483	74.1%	2,963	25.9%	1,082	633
Public	New Mexico State Univ. - Las Cruces	14,432	11,713	81.2%	2,719	18.8%	2,033	464
Private	New York University	51,123	26,417	51.7%	24,706	48.3%	6,004	796
Public	North Carolina State University	34,432	24,150	70.1%	10,282	29.9%	4,788	1,158
Private	Northeastern University	21,489	13,825	64.3%	7,664	35.7%	3,108	412
Private	Northwestern University	22,008	8,700	39.5%	13,308	60.5%	1,903	148
Public	Ohio State University - Columbus	59,837	45,946	76.8%	13,891	23.2%	7,202	2,523
Public	Oklahoma State University - Stillwater	25,295	20,992	83.0%	4,303	17.0%	3,799	1,249

Fall 2017 Part-Time Enrollment			2017-2018 Degrees Awarded				
Percentage of Total Students Enrolled Part Time	Percentage of Undergraduates Enrolled Part Time	Percentage of Graduates Enrolled Part Time	Associate's Degrees	Bachelor's Degrees	Master's Degrees	Doctorate Degrees	Professional Degrees
27.3%	24.3%	40.3%		18,214	6,828	692	276
15.5%	9.2%	41.6%		4,914	1,320	253	272
19.3%	19.7%	18.7%	1	999	406	35	372
0.5%		0.5%			75	100	187
19.1%	6.9%	33.6%		4,706	5,011	535	565
9.8%	0.4%	26.3%		1,491	832	81	
5.9%	4.6%	8.9%		2,041	717	208	120
			228	161	191		
6.5%	3.6%	9.0%		1,778	3,336	322	
11.5%	3.3%	17.8%		1,402	1,623	219	439
11.9%	3.9%	42.8%		4,548	1,394	232	
30.8%	23.3%	52.0%		2,659	1,272	46	122
23.4%	13.2%	58.0%		5,349	1,714	250	138
16.6%	7.1%	20.1%		2,566	8,938	669	788
0.4%	0.1%	1.0%		3,947	2,730	540	295
1.8%	1.1%	3.3%		1,345	666	81	77
25.5%	12.6%	48.7%		3,775	2,301	231	465
5.0%	0.4%	8.2%		2,280	2,718	669	359
11.4%	2.1%	20.3%		2,450	1,639	276	549
41.7%	44.0%	29.5%	42	11,663	3,127	200	349
15.3%	11.3%	31.0%	183	9,977	2,117	422	332
31.5%	19.1%	59.7%		5,706	2,894	300	135
33.3%	9.2%	51.3%	196	3,164	4,774	265	884
23.3%	6.4%	34.2%		2,187	4,014	131	830
30.3%	10.3%	52.8%		3,516	3,043	530	
23.9%	22.8%	27.5%		4,973	2,100	259	226
32.8%	28.3%	34.9%	4	2,857	4,738	750	799
					154	49	142
11.9%	3.6%	38.8%	3	7,963	2,761	500	237
11.0%	6.0%	38.7%		7,277	1,055	416	144
42.8%	7.2%	54.2%		1,905	6,100	591	163
15.1%	9.3%	39.9%	7	4,139	1,076	180	103
14.8%	13.3%	21.9%		4,895	1,181	299	250
2.5%	0.8%	3.6%		1,210	1,800	645	
9.6%		9.6%			51	32	219
6.8%	0.7%	7.5%		200	337	163	307
13.0%	9.2%	26.5%		9,120	2,240	553	583
14.2%	8.2%	44.8%		3,726	756	173	82
21.8%	15.3%	70.0%	104	2,396	480	71	20
48.6%		48.6%			1,215	12	
28.2%	24.8%	38.1%		1,631	1,069	73	
22.6%	17.2%	45.9%	20	2,494	699	126	12
17.2%	4.1%	31.3%	71	6,789	8,694	435	973
20.4%	11.5%	41.3%	154	5,786	2,662	533	100
4.1%	0.3%	10.9%		3,992	2,563	184	392
19.7%	5.7%	28.9%		2,687	4,722	443	528
13.0%	8.6%	27.6%	1	11,456	2,761	855	807
21.2%	13.2%	60.2%		4,744	1,055	243	79

Student Characteristics		Fall 2017 Headcount Enrollment						
Institutions with Over \$40 Million in Federal Research, Alphabetically		Total Student Enrollment	Total Undergraduate Students	%	Total Graduate Students	%	First-time, Full-time Students	Full-time Transfer Students
Public	Oregon Health & Science University	2,895	776	26.8%	2,119	73.2%		179
Public	Oregon State University	30,896	25,838	83.6%	5,058	16.4%	3,421	1,289
Public	Penn. State Univ. - Hershey Med. Ctr.	929			929	100.0%		
Public	Pennsylvania State Univ. - Univ. Park	47,119	40,835	86.7%	6,284	13.3%	7,832	279
Private	Princeton University	8,273	5,394	65.2%	2,879	34.8%	1,305	
Public	Purdue University - West Lafayette	42,699	32,132	75.3%	10,567	24.7%	7,697	1,164
Private	Rensselaer Polytechnic Institute	7,592	6,366	83.9%	1,226	16.1%	1,663	109
Private	Rice University	7,022	4,001	57.0%	3,021	43.0%	1,046	29
Private	Rockefeller University	232			232	100.0%		
Private	Rush University	2,569	109	4.2%	2,460	95.8%		37
Public	Rutgers University - New Brunswick	49,577	35,641	71.9%	13,936	28.1%	6,266	2,532
Private	Scripps Research Institute							
Private	Stanford University	17,534	7,064	40.3%	10,470	59.7%	1,700	27
Public	State Univ. of NY - Polytechnic Inst.	2,912	2,179	74.8%	733	25.2%	463	260
Public	Stony Brook University	25,989	17,364	66.8%	8,625	33.2%	3,160	1,403
Public	Temple University	39,967	29,580	74.0%	10,387	26.0%	5,141	2,256
Public	Texas A&M Univ. - College Station	67,929	53,065	78.1%	14,864	21.9%	10,099	2,621
Private	Thomas Jefferson University	4,028	816	20.3%	3,212	79.7%		451
Private	Tufts University	11,449	5,541	48.4%	5,908	51.6%	1,410	49
Private	Tulane University	12,384	7,871	63.6%	4,513	36.4%	1,905	94
Public	Uniformed Services Univ. of the HS							
Public	University at Albany	17,743	13,508	76.1%	4,235	23.9%	2,811	1,373
Public	University at Buffalo	30,648	21,020	68.6%	9,628	31.4%	4,170	1,748
Public	University of Alabama - Birmingham	20,902	13,134	62.8%	7,768	37.2%	2,228	905
Public	University of Alabama - Huntsville	9,101	7,090	77.9%	2,011	22.1%	1,341	642
Public	University of Alaska - Fairbanks	7,664	6,639	86.6%	1,025	13.4%	638	222
Public	University of Arizona	43,751	34,101	77.9%	9,650	22.1%	5,902	1,640
Public	University of Arkansas - Fayetteville	27,558	23,044	83.6%	4,514	16.4%	5,032	1,136
Public	Univ. of Arkansas for Med. Sciences	2,836	646	22.8%	2,190	77.2%		263
Public	University of California - Berkeley	41,891	30,574	73.0%	11,317	27.0%	6,344	2,617
Public	University of California - Davis	37,380	30,066	80.4%	7,314	19.6%	5,810	3,314
Public	University of California - Irvine	35,242	29,307	83.2%	5,935	16.8%	6,534	2,939
Public	University of California - Los Angeles	44,027	31,002	70.4%	13,025	29.6%	6,022	3,130
Public	University of California - Riverside	23,279	20,073	86.2%	3,206	13.8%	4,575	1,333
Public	University of California - San Diego	35,772	28,587	79.9%	7,185	20.1%	5,690	2,814
Public	Univ. of California - San Francisco	3,107			3,107	100.0%		
Public	Univ. of California - Santa Barbara	25,057	22,186	88.5%	2,871	11.5%	4,514	2,147
Public	University of California - Santa Cruz	19,457	17,577	90.3%	1,880	9.7%	4,040	1,195
Public	University of Central Florida	66,059	56,853	86.1%	9,206	13.9%	6,678	4,715
Private	University of Chicago	16,227	6,310	38.9%	9,917	61.1%	1,736	36
Public	University of Cincinnati - Cincinnati	37,155	26,559	71.5%	10,596	28.5%	5,358	793
Public	University of Colorado - Boulder	35,338	29,056	82.2%	6,282	17.8%	6,484	1,326
Public	U. of Colorado - Den./Anschutz Med.	24,839	15,586	62.7%	9,253	37.3%	1,409	1,489
Public	Univ. of Connecticut - Health Center	592			583	98.5%		
Public	University of Connecticut - Storrs	26,986	19,241	71.3%	7,754	28.7%	3,675	826
Private	University of Dayton	10,882	8,499	78.1%	2,383	21.9%	2,225	104
Public	University of Delaware	23,774	19,750	83.1%	4,024	16.9%	4,649	403
Public	University of Florida	52,669	35,247	66.9%	17,422	33.1%	6,396	1,753
Public	University of Georgia	37,606	28,848	76.7%	8,758	23.3%	5,809	1,470

Fall 2017 Part-Time Enrollment			2017-2018 Degrees Awarded				
Percentage of Total Students Enrolled Part Time	Percentage of Undergraduates Enrolled Part Time	Percentage of Graduates Enrolled Part Time	Associate's Degrees	Bachelor's Degrees	Master's Degrees	Doctorate Degrees	Professional Degrees
39.8%	72.0%	28.0%		350	294	54	245
27.5%	27.1%	29.4%		5,896	942	249	136
4.6%		4.6%			55	37	144
3.8%	2.6%	11.7%	7	11,563	1,360	668	124
1.6%	2.5%			1,299	599	396	
14.0%	5.8%	39.0%	43	7,301	2,265	745	233
1.7%	0.4%	8.4%		1,425	407	164	
4.6%	2.1%	7.9%		1,224	874	207	
					1	30	
38.5%	38.5%	38.5%		37	369	14	313
14.9%	5.5%	38.9%	109	8,577	2,926	737	653
7.7%		12.8%		1,754	2,436	726	275
27.6%	14.7%	66.2%		509	192	5	
16.2%	6.6%	35.6%		5,028	1,962	311	273
14.3%	9.9%	26.7%		6,252	1,980	217	900
13.8%	11.9%	20.6%		12,760	3,388	758	668
28.4%	18.8%	30.9%	53	1,005	910	15	387
7.4%	1.0%	13.4%		1,827	1,305	158	500
15.3%	14.7%	16.5%	43	2,391	1,659	130	377
16.3%	5.7%	50.2%		3,417	1,186	172	5
16.1%	7.7%	34.5%		5,067	2,296	332	771
34.3%	26.3%	47.8%		2,567	1,986	161	380
27.0%	16.7%	63.1%		1,267	564	25	25
54.3%	54.5%	53.3%	281	533	191	55	
16.7%	14.0%	26.2%		7,654	1,933	451	513
19.6%	11.2%	62.8%		4,832	1,114	204	134
25.2%	24.1%	25.5%	56	262	252	42	303
7.0%	4.0%	15.2%		9,103	3,043	871	371
3.6%	2.6%	7.5%		8,789	1,157	562	426
2.2%	1.5%	5.7%		7,596	1,409	380	208
3.6%	1.8%	7.9%		8,943	3,337	721	600
2.3%	1.8%	6.0%		4,814	637	305	49
3.4%	2.5%	6.9%		7,748	1,859	515	181
1.6%		1.6%			313	135	437
2.4%	1.8%	6.4%		6,064	507	361	
2.9%	2.8%	3.7%		4,601	483	159	
32.5%	29.7%	50.0%	414	13,466	2,298	277	161
14.9%	0.3%	24.2%		1,798	3,046	439	303
24.4%	14.8%	48.5%	49	5,954	3,098	244	434
16.1%	7.2%	57.4%		6,237	1,472	407	200
48.1%	44.4%	54.4%		2,484	2,100	128	560
0.0%		0.0%			60	16	108
12.4%	3.6%	34.4%	21	6,013	2,030	326	250
9.8%	4.9%	27.3%		2,079	709	41	116
10.1%	7.9%	20.8%	270	4,719	951	258	55
16.7%	11.0%	28.4%	301	8,864	4,305	772	1,211
9.7%	5.9%	22.1%		8,030	1,731	546	438

The Top American Research Universities

Student Characteristics		Fall 2017 Headcount Enrollment						
		Total Student Enrollment	Total Undergraduate Students	%	Total Graduate Students	%	First-time, Full-time Students	Full-time Transfer Students
Public	University of Hawaii - Manoa	17,612	12,881	73.1%	4,731	26.9%	1,900	1,172
Public	University of Houston - Univ. Park	45,364	37,215	82.0%	8,149	18.0%	4,745	3,380
Public	University of Idaho	12,072	9,885	81.9%	2,187	18.1%	1,517	487
Public	University of Illinois - Chicago	30,539	19,448	63.7%	11,091	36.3%	4,014	1,945
Public	Univ. of Illinois - Urbana-Champaign	48,216	33,955	70.4%	14,261	29.6%	7,503	1,373
Public	University of Iowa	32,166	24,503	76.2%	7,663	23.8%	4,709	999
Public	University of Kansas - Lawrence	23,669	18,806	79.5%	4,734	20.0%	3,608	980
Public	University of Kansas Medical Center	3,956	532	13.4%	3,553	89.8%	471	28
Public	University of Kentucky	29,465	22,425	76.1%	7,040	23.9%	4,755	787
Public	University of Louisville	21,402	15,546	72.6%	5,856	27.4%	2,640	701
Public	University of Maryland - Baltimore	6,703	929	13.9%	5,774	86.1%		209
Public	Univ. of Maryland - Baltimore County	13,662	11,234	82.2%	2,428	17.8%	1,759	942
Public	University of Maryland - College Park	40,521	29,868	73.7%	10,653	26.3%	5,201	1,935
Public	Univ. of Massachusetts - Amherst	30,340	23,388	77.1%	6,952	22.9%	4,738	1,220
Public	Univ. of Mass. Med. Sch. - Worcester	1,095			1,095	100.0%		
Private	University of Miami	17,003	10,832	63.7%	6,171	36.3%	2,185	587
Public	University of Michigan - Ann Arbor	46,002	29,821	64.8%	16,181	35.2%	6,815	1,049
Public	University of Minnesota - Twin Cities	51,848	35,433	68.3%	16,415	31.7%	6,183	2,320
Public	University of Missouri - Columbia	30,844	23,799	77.2%	7,045	22.8%	4,096	794
Public	University of Montana - Missoula	11,865	9,323	78.6%	2,542	21.4%	1,556	474
Public	University of Nebraska - Lincoln	26,079	20,954	80.3%	5,125	19.7%	4,883	735
Public	University of Nebraska Medical Ctr.	3,908	860	22.0%	3,048	78.0%		344
Public	University of Nevada - Reno	21,657	18,348	84.7%	3,309	15.3%	3,591	1,015
Public	Univ. of New Hampshire - Durham	15,363	13,005	84.7%	2,358	15.3%	3,019	533
Public	Univ. of New Mexico - Albuquerque	26,221	20,354	77.6%	5,867	22.4%	3,170	829
Public	Univ. of North Carolina - Chapel Hill	29,911	18,862	63.1%	11,049	36.9%	4,355	807
Public	University of North Dakota	14,406	11,000	76.4%	3,406	23.6%	1,920	576
Private	University of Notre Dame	12,467	8,576	68.8%	3,891	31.2%	2,051	187
Public	University of Oklahoma - HSC	3,139	786	25.0%	2,353	75.0%		411
Public	University of Oklahoma - Norman	28,527	22,032	77.2%	6,495	22.8%	3,996	862
Public	University of Oregon	22,887	19,340	84.5%	3,547	15.5%	3,863	1,147
Private	University of Pennsylvania	25,367	11,716	46.2%	13,651	53.8%	2,412	143
Public	University of Pittsburgh - Pittsburgh	28,642	19,326	67.5%	9,316	32.5%	4,012	738
Public	University of Rhode Island	18,089	15,107	83.5%	2,982	16.5%	3,163	502
Private	University of Rochester	11,648	6,546	56.2%	5,102	43.8%	1,550	113
Public	Univ. of South Carolina - Columbia	34,731	26,362	75.9%	8,369	24.1%	5,875	1,861
Public	University of South Florida - Tampa	43,540	31,772	73.0%	11,768	27.0%	4,103	2,774
Private	University of Southern California	45,687	19,170	42.0%	26,517	58.0%	3,358	1,297
Public	University of Tennessee - Knoxville	28,321	22,317	78.8%	6,004	21.2%	4,883	1,242
Public	University of Texas - Austin	51,525	40,492	78.6%	11,033	21.4%	8,238	2,097
Public	University of Texas - El Paso	25,078	21,341	85.1%	3,737	14.9%	3,084	1,110
Public	University of Texas HSC - Houston	5,242	709	13.5%	4,533	86.5%		95
Public	Univ. of Texas HSC - San Antonio	3,277	807	24.6%	2,470	75.4%		217
Public	U. of Texas MD Anderson Cancer Ctr.	357	321	89.9%	36	10.1%		100
Public	U. of Texas Med. Branch - Galveston	3,302	733	22.2%	2,569	77.8%		223
Public	Univ. of Texas SW Med. Ctr. - Dallas	2,238			2,238	100.0%		
Public	University of Utah	32,800	24,635	75.1%	8,165	24.9%	3,853	1,280
Public	University of Vermont	13,340	11,339	85.0%	2,001	15.0%	2,622	432
Public	University of Virginia	24,360	16,655	68.4%	7,705	31.6%	3,788	611

Fall 2017 Part-Time Enrollment			2017-2018 Degrees Awarded				
Percentage of Total Students Enrolled Part Time	Percentage of Undergraduates Enrolled Part Time	Percentage of Graduates Enrolled Part Time	Associate's Degrees	Bachelor's Degrees	Master's Degrees	Doctorate Degrees	Professional Degrees
24.5%	16.9%	45.3%		3,273	958	204	229
27.0%	27.0%	26.8%		7,367	1,905	389	473
29.5%	27.5%	38.6%		1,798	487	47	130
15.1%	7.6%	28.2%		4,205	2,349	349	726
11.1%	4.0%	28.2%		8,722	3,802	816	276
19.3%	13.4%	38.0%		5,121	1,294	452	484
11.7%	11.6%	53.9%		4,123	1,534	343	308
49.8%	0.0%	0.0%		232	225	23	288
10.4%	7.9%	18.5%		5,296	1,277	309	557
24.8%	22.6%	30.5%	12	3,114	1,403	164	380
21.9%	22.7%	21.8%		433	921	88	786
21.9%	15.1%	53.6%		2,651	665	94	
11.6%	7.2%	23.9%		8,086	2,941	641	36
20.4%	7.7%	63.1%	44	6,841	1,517	295	60
4.9%		4.9%			8	68	123
8.2%	5.7%	12.6%		3,159	1,602	212	641
5.4%	3.8%	8.4%		8,292	4,677	874	682
23.4%	15.4%	40.8%		8,660	3,351	702	964
13.5%	6.7%	36.3%		6,512	1,562	501	302
27.0%	20.2%	52.2%	306	1,547	523	39	305
14.7%	6.8%	46.9%		4,460	944	283	115
13.3%	16.5%	12.3%		462	243	65	222
21.3%	15.1%	55.2%		3,959	764	134	69
9.0%	2.5%	44.6%	79	3,494	722	76	5
29.6%	25.8%	42.8%		4,540	1,169	198	321
16.1%	3.0%	38.4%		6,027	2,178	501	707
28.7%	22.5%	48.6%		2,259	780	74	214
1.7%	0.2%	5.0%		2,780	1,003	281	206
13.6%	6.2%	16.1%		457	271	25	373
22.4%	13.5%	52.8%		4,544	1,975	239	161
8.5%	8.0%	11.4%		4,904	1,118	182	116
14.9%	10.4%	18.7%		3,463	4,431	551	674
9.9%	4.8%	20.5%	33	5,391	2,138	419	621
20.2%	16.4%	39.7%		3,522	581	110	127
16.2%	4.5%	31.1%		1,976	1,279	261	104
10.5%	4.2%	30.4%	2	6,858	1,881	388	462
27.4%	22.3%	41.1%	317	8,422	3,154	374	328
14.0%	2.8%	22.1%		5,432	8,626	762	1,055
12.7%	6.1%	37.3%		4,904	1,554	393	201
6.9%	6.8%	7.2%		9,888	3,079	855	405
38.4%	34.3%	62.2%		3,539	1,139	92	32
36.9%	18.2%	39.8%		459	677	178	309
14.3%	16.0%	13.8%		358	225	48	362
24.6%	20.9%	58.3%		152	10	-	
31.2%	14.7%	35.9%		467	367	40	307
23.5%		23.5%			90	78	238
26.0%	26.7%	24.0%		5,263	2,155	346	410
11.0%	8.3%	26.2%		2,407	387	66	162
9.0%	5.3%	16.9%		5,188	1,985	360	456

Student Characteristics		Fall 2017 Headcount Enrollment						
		Total Student Enrollment	Total Undergraduate Students	%	Total Graduate Students	%	First-time, Full-time Students	Full-time Transfer Students
Public	University of Washington - Seattle	46,166	31,331	67.9%	14,835	32.1%	6,716	1,418
Public	University of Wisconsin - Madison	42,977	31,358	73.0%	11,619	27.0%	6,597	1,096
Public	University of Wyoming	12,397	9,791	79.0%	2,606	21.0%	1,684	856
Public	Utah State University	27,679	24,618	88.9%	3,061	11.1%	3,936	1,121
Private	Vanderbilt University	12,592	6,885	54.7%	5,707	45.3%	1,606	196
Public	Virginia Commonwealth University	30,675	23,663	77.1%	7,012	22.9%	4,117	1,633
Public	Virginia Polytechnic Inst. and St. U.	34,440	27,193	79.0%	7,247	21.0%	6,832	958
Private	Wake Forest University	8,116	5,102	62.9%	3,014	37.1%	1,348	42
Public	Washington State Univ. - Pullman	30,614	25,277	82.6%	5,337	17.4%	4,523	2,193
Private	Washington University in St. Louis	15,303	7,675	50.2%	7,628	49.8%	1,771	82
Public	Wayne State University	27,064	17,297	63.9%	9,767	36.1%	2,567	1,312
Private	Weill Cornell Medical College	1,107			1,107	100.0%		
Public	West Virginia University	28,406	22,501	79.2%	5,905	20.8%	5,214	777
Private	Woods Hole Oceanographic Inst.							
Private	Yale University	12,974	5,746	44.3%	7,228	55.7%	1,579	26
Private	Yeshiva University	6,330	2,757	43.6%	3,573	56.4%	610	8

Fall 2017 Part-Time Enrollment			2017-2018 Degrees Awarded				
Percentage of Total Students Enrolled Part Time	Percentage of Undergraduates Enrolled Part Time	Percentage of Graduates Enrolled Part Time	Associate's Degrees	Bachelor's Degrees	Master's Degrees	Doctorate Degrees	Professional Degrees
11.7%	8.2%	19.2%		8,846	3,933	633	551
10.3%	7.6%	17.5%		9,043	2,266	805	677
20.9%	15.4%	41.6%		2,292	520	113	149
34.0%	30.2%	64.4%	1,346	3,952	979	99	8
6.4%	1.2%	12.8%		2,263	1,610	324	350
18.1%	15.3%	27.5%		5,195	1,414	326	444
8.4%	2.2%	31.5%	40	6,393	1,526	472	122
5.8%	1.1%	13.7%		1,414	897	36	259
15.6%	12.3%	31.0%		5,518	899	336	261
13.4%	7.8%	19.1%	5	2,433	2,120	262	445
32.4%	28.4%	39.5%		3,441	2,274	223	606
					76	56	89
11.4%	8.0%	24.8%		4,519	1,475	190	395
0.7%	0.1%	1.3%		1,547	2,331	433	354
17.5%	4.0%	27.8%	487	577	409	101	444

The Center Measures - National Rankings

Institutions with Over \$40 Million in Federal Research, Alphabetically		2019 No. of Measures in Top 25 Nationally	2019 No. of Measures in Top 26-50 Nationally	2018 No. of Measures in Top 25 Nationally	2018 No. of Measures in Top 26-50 Nationally
Public	Arizona State University	1	2	2	2
Public	Auburn University	0	0	0	0
Public	Augusta University	0	0	0	0
Private	Baylor College of Medicine	0	3	0	4
Private	Boston University	0	4	0	5
Private	Brandeis University	0	0	0	0
Private	Brown University	1	3	1	3
Private	California Institute of Technology	2	5	2	5
Private	Carnegie Mellon University	1	3	1	2
Private	Case Western Reserve University	0	2	1	1
Public	Clemson University	0	0	0	0
Public	Cleveland State University	0	0	0	0
Private	Cold Spring Harbor Laboratory	0	0	0	0
Public	Colorado State University - Fort Collins	0	0	0	0
Private	Columbia University	9	0	9	0
Private	Cornell University	5	4	4	5
Private	Dartmouth College	2	1	1	2
Private	Drexel University	0	0	0	0
Private	Duke University	7	2	8	1
Private	Emory University	2	6	2	5
Public	Florida International University	0	0	0	0
Public	Florida State University	0	2	0	1
Public	George Mason University	0	0	0	0
Private	George Washington University	0	0	0	0
Private	Georgetown University	0	1	0	1
Public	Georgia Institute of Technology	3	4	2	5
Public	Georgia State University	0	0	0	0
Private	Harvard University	9	0	9	0
Private	Icahn School of Medicine at Mount Sinai	1	3	1	2
Public	Indiana University - Bloomington	0	5	0	5
Public	Iowa State University	0	2	0	2
Private	Johns Hopkins University	8	1	7	2
Public	Kansas State University	0	0	0	0
Public	Louisiana State University - Baton Rouge	0	0	0	0
Private	Massachusetts Institute of Technology	9	0	9	0
Private	Medical College of Wisconsin	0	0	0	0
Public	Medical University of South Carolina	0	0	0	0
Public	Michigan State University	0	7	0	7
Public	Mississippi State University	0	0	0	0
Public	Montana State University - Bozeman	0	0	0	0
Public	Naval Postgraduate School	0	0	0	0
Public	New Jersey Institute of Technology	0	0	0	0
Public	New Mexico State University - Las Cruces	0	0	0	0
Private	New York University	5	3	4	4
Public	North Carolina State University	0	5	0	4
Private	Northeastern University	1	1	1	1
Private	Northwestern University	6	3	6	3
Public	Ohio State University - Columbus	7	1	6	2
Public	Oklahoma State University - Stillwater	0	0	0	0

The Center Measures - National Rankings

Institutions with Over \$40 Million in Federal Research, Alphabetically		2019 No. of Measures in Top 25 Nationally	2019 No. of Measures in Top 26-50 Nationally	2018 No. of Measures in Top 25 Nationally	2018 No. of Measures in Top 26-50 Nationally
Public	Oregon Health & Science University	0	1	0	2
Public	Oregon State University	0	0	0	0
Public	Pennsylvania State Univ. - Hershey Med. Ctr.	0	0	0	0
Public	Pennsylvania State University - Univ. Park	3	4	3	3
Private	Princeton University	4	3	5	1
Public	Purdue University - West Lafayette	1	6	1	5
Private	Rensselaer Polytechnic Institute	0	0	0	0
Private	Rice University	2	1	2	1
Private	Rockefeller University	1	1	1	1
Private	Rush University	0	0	0	0
Public	Rutgers University - New Brunswick	1	4	1	4
Private	Scripps Research Institute	0	3	0	3
Private	Stanford University	9	0	9	0
Public	State Univ. of New York - Polytechnic Inst.	0	0	0	0
Public	Stony Brook University	0	0	0	0
Public	Temple University	0	0	0	0
Public	Texas A&M University - College Station	3	5	4	3
Private	Thomas Jefferson University	0	0	0	0
Private	Tufts University	0	1	1	0
Private	Tulane University	0	1	0	1
Public	Uniformed Services University of the HS	0	0	0	0
Public	University at Albany	0	0	0	0
Public	University at Buffalo	0	0	0	0
Public	University of Alabama - Birmingham	0	2	0	2
Public	University of Alabama - Huntsville	0	0	0	0
Public	University of Alaska - Fairbanks	0	0	0	0
Public	University of Arizona	0	7	0	7
Public	University of Arkansas - Fayetteville	0	1	0	0
Public	University of Arkansas for Medical Sciences	0	0	0	0
Public	University of California - Berkeley	6	3	7	2
Public	University of California - Davis	3	4	1	5
Public	University of California - Irvine	0	4	0	3
Public	University of California - Los Angeles	8	0	8	0
Public	University of California - Riverside	0	1	0	1
Public	University of California - San Diego	5	2	5	2
Public	University of California - San Francisco	5	1	5	2
Public	University of California - Santa Barbara	1	0	1	0
Public	University of California - Santa Cruz	0	0	0	0
Public	University of Central Florida	0	0	0	0
Private	University of Chicago	5	3	5	3
Public	University of Cincinnati - Cincinnati	0	0	0	0
Public	University of Colorado - Boulder	1	4	2	4
Public	Univ. of Colorado - Denver/Anschutz Medical	0	2	0	2
Public	University of Connecticut - Health Center	0	0	0	0
Public	University of Connecticut - Storrs	0	1	0	0
Private	University of Dayton	0	0	0	0
Public	University of Delaware	0	0	0	0
Public	University of Florida	3	4	3	4
Public	University of Georgia	0	2	0	2

2017 No. of Measures in Top 25 Nationally	2017 No. of Measures in Top 26-50 Nationally	2016 No. of Measures in Top 25 Nationally	2016 No. of Measures in Top 26-50 Nationally	2015 No. of Measures in Top 25 Nationally	2015 No. of Measures in Top 26-50 Nationally	2014 No. of Measures in Top 25 Nationally	2014 No. of Measures in Top 26-50 Nationally
0	1	0	1	0	1	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
4	2	3	5	3	4	4	3
4	3	4	2	4	3	4	2
2	4	1	5	1	5	1	4
0	1	0	1	0	1	0	1
2	0	2	1	2	1	2	1
1	1	1	1	1	1	0	2
0	0	0	0	0	0	0	0
1	3	2	3	0	4	1	4
0	3	1	2	0	3	0	2
9	0	9	0	9	0	9	0
0	0	0	1	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
4	3	3	5	4	2	4	2
0	0	0	0	0	0	0	0
1	0	1	0	1	0	1	0
0	0	0	0	0	1	0	1
0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1
0	2	0	2	0	2	0	2
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	7	0	6	0	5	0	5
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
7	2	7	2	7	1	7	2
2	4	3	3	2	3	3	3
0	3	0	3	0	3	0	4
8	0	7	1	7	1	7	1
0	0	0	0	0	0	0	0
5	2	5	2	4	3	5	2
6	1	6	1	6	1	6	1
1	0	1	0	1	0	1	1
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
5	3	5	3	5	3	5	4
0	3	0	1	0	4	0	3
1	5	1	4	1	3	1	3
0	1	0	2	0	1	0	2
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	0	0	0	1	0	0
3	4	3	4	2	5	2	5
0	1	0	1	0	2	0	1

The Center Measures - National Rankings

Institutions with Over \$40 Million in Federal Research, Alphabetically		2019 No. of Measures in Top 25 Nationally	2019 No. of Measures in Top 26-50 Nationally	2018 No. of Measures in Top 25 Nationally	2018 No. of Measures in Top 26-50 Nationally
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	0	0	1
Public	University of Illinois - Urbana-Champaign	3	4	3	4
Public	University of Iowa	0	2	0	3
Public	University of Kansas - Lawrence	0	0	0	0
Public	University of Kansas Medical Center	0	0	0	0
Public	University of Kentucky	0	0	0	0
Public	University of Louisville	0	0	0	0
Public	University of Maryland - Baltimore	0	0	0	0
Public	University of Maryland - Baltimore County	0	0	0	0
Public	University of Maryland - College Park	1	4	1	5
Public	University of Massachusetts - Amherst	0	1	0	1
Public	U. of Massachusetts Med. Sch. - Worcester	0	0	0	1
Private	University of Miami	0	1	0	2
Public	University of Michigan - Ann Arbor	8	1	8	1
Public	University of Minnesota - Twin Cities	6	2	6	2
Public	University of Missouri - Columbia	0	1	0	1
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 - Reno	0	0	0	0
Public	University of New Hampshire - Durham	0	0	0	0
Public	University of New Mexico - Albuquerque	0	0	0	0
Public	University of North Carolina - Chapel Hill	5	3	6	3
Public	University of North Dakota	0	0	0	0
Private	University of Notre Dame	3	0	3	1
Public	Univ. of Oklahoma - Health Sciences Center	0	0	0	0
Public	University of Oklahoma - Norman	0	0	0	1
Public	University of Oregon	0	1	0	1
Private	University of Pennsylvania	8	1	9	0
Public	University of Pittsburgh - Pittsburgh	3	4	4	3
Public	University of Rhode Island	0	0	0	0
Private	University of Rochester	0	3	0	2
Public	University of South Carolina - Columbia	0	0	0	2
Public	University of South Florida - Tampa	0	2	0	1
Private	University of Southern California	4	5	4	4
Public	University of Tennessee - Knoxville	0	2	0	1
Public	University of Texas - Austin	5	2	5	2
Public	University of Texas - El Paso	0	0	0	0
Public	University of Texas HSC - Houston	0	0	0	0
Public	University of Texas HSC - San Antonio	0	0	0	0
Public	Univ. of Texas MD Anderson Cancer Center	2	0	2	0
Public	Univ. of Texas Medical Branch - Galveston	0	0	0	0
Public	Univ. of Texas SW Medical Center - Dallas	0	2	0	3
Public	University of Utah	0	4	0	1
Public	University of Vermont	0	0	0	0
Public	University of Virginia	1	1	1	3

2017 No. of Measures in Top 25 Nationally	2017 No. of Measures in Top 26-50 Nationally	2016 No. of Measures in Top 25 Nationally	2016 No. of Measures in Top 26-50 Nationally	2015 No. of Measures in Top 25 Nationally	2015 No. of Measures in Top 26-50 Nationally	2014 No. of Measures in Top 25 Nationally	2014 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	1	0	0
3	4	3	4	5	2	3	4
0	3	0	3	0	4	1	3
0	0	0	1	0	1	0	1
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	0	0	0	2	0	2
0	0	0	0	0	0	0	0
1	5	1	5	1	5	1	4
0	0	0	1	0	0	0	0
0	0	0	0	0	1	0	1
0	1	0	1	0	1	0	1
8	1	8	1	8	0	8	0
6	2	6	2	6	2	4	4
0	1	0	1	0	1	0	1
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	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
6	2	4	4	6	2	6	2
0	0	0	0	0	0	0	0
3	1	3	1	3	1	3	1
0	0	0	0	0	0	0	0
0	1	0	1	0	0	0	1
0	0	0	0	0	0	0	1
9	0	9	0	8	1	8	1
3	4	4	3	5	2	4	4
0	0	0	0	0	0	0	0
0	2	0	3	0	3	0	3
0	0	0	0	0	0	0	0
0	2	0	2	0	0	0	0
6	3	6	3	6	3	5	4
0	1	0	0	0	1	0	1
4	4	4	4	4	4	4	4
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
2	1	1	2	1	2	1	2
0	0	0	0	0	0	0	0
0	5	0	4	0	4	0	4
0	5	0	4	0	5	0	5
0	0	0	0	0	0	0	0
1	2	1	4	1	4	2	4

The Center Measures - National Rankings

Institutions with Over \$40 Million in Federal Research, Alphabetically		2019 No. of Measures in Top 25 Nationally	2019 No. of Measures in Top 26-50 Nationally	2018 No. of Measures in Top 25 Nationally	2018 No. of Measures in Top 26-50 Nationally
Public	University of Washington - Seattle	7	1	7	1
Public	University of Wisconsin - Madison	6	2	6	2
Public	University of Wyoming	0	0	0	0
Public	Utah State University	0	0	0	0
Private	Vanderbilt University	3	5	3	4
Public	Virginia Commonwealth University	0	0	0	0
Public	Virginia Polytechnic Institute and State Univ.	0	3	0	3
Private	Wake Forest University	0	1	0	0
Public	Washington State University - Pullman	0	0	0	0
Private	Washington University in St. Louis	6	1	5	3
Public	Wayne State University	0	0	0	0
Private	Weill Cornell Medical College	0	2	0	2
Public	West Virginia University	0	0	0	0
Private	Woods Hole Oceanographic Institution	0	0	0	0
Private	Yale University	8	1	8	1
Private	Yeshiva University	0	0	0	0

2017 No. of Measures in Top 25 Nationally	2017 No. of Measures in Top 26-50 Nationally	2016 No. of Measures in Top 25 Nationally	2016 No. of Measures in Top 26-50 Nationally	2015 No. of Measures in Top 25 Nationally	2015 No. of Measures in Top 26-50 Nationally	2014 No. of Measures in Top 25 Nationally	2014 No. of Measures in Top 26-50 Nationally
7	1	7	1	7	1	7	1
7	1	7	1	6	2	7	1
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
3	4	4	3	4	4	4	4
0	0	0	0	0	0	0	1
0	2	0	2	0	2	0	2
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
4	4	4	4	5	3	6	2
0	0	0	0	0	0	0	0
0	1	0	2	0	2	0	2
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
8	1	8	1	8	1	8	1
0	0	0	0	0	1	0	0

The Center Measures - Control Rankings

Institutions with Over \$40 Million in Federal Research, Alphabetically		2019 No. of Measures in Top 25 Among Privates/Publics	2019 No. of Measures in Top 26-50 Among Privates/Publics	2018 No. of Measures in Top 25 Among Privates/Publics	2018 No. of Measures in Top 26-50 Among Privates/Publics
Public	Arizona State University	2	5	3	4
Public	Auburn University	0	3	0	2
Public	Augusta University	0	0	0	0
Private	Baylor College of Medicine	3	2	4	2
Private	Boston University	6	2	6	2
Private	Brandeis University	0	6	0	6
Private	Brown University	4	5	5	4
Private	California Institute of Technology	8	1	8	1
Private	Carnegie Mellon University	5	4	4	5
Private	Case Western Reserve University	2	7	4	5
Public	Clemson University	1	1	1	1
Public	Cleveland State University	0	0	0	0
Private	Cold Spring Harbor Laboratory	0	4	0	4
Public	Colorado State University - Fort Collins	0	5	0	5
Private	Columbia University	9	0	9	0
Private	Cornell University	9	0	8	1
Private	Dartmouth College	4	4	2	6
Private	Drexel University	1	6	0	7
Private	Duke University	9	0	9	0
Private	Emory University	8	1	8	1
Public	Florida International University	0	0	0	0
Public	Florida State University	1	2	0	4
Public	George Mason University	0	0	0	0
Private	George Washington University	2	6	2	6
Private	Georgetown University	1	7	1	8
Public	Georgia Institute of Technology	7	2	7	2
Public	Georgia State University	0	0	0	0
Private	Harvard University	9	0	9	0
Private	Icahn School of Medicine at Mount Sinai	4	2	3	3
Public	Indiana University - Bloomington	4	5	3	5
Public	Iowa State University	0	7	1	6
Private	Johns Hopkins University	9	0	9	0
Public	Kansas State University	0	0	0	0
Public	Louisiana State University - Baton Rouge	0	1	0	4
Private	Massachusetts Institute of Technology	9	0	9	0
Private	Medical College of Wisconsin	0	3	0	4
Public	Medical University of South Carolina	0	0	0	0
Public	Michigan State University	7	1	6	3
Public	Mississippi State University	0	0	0	0
Public	Montana State University - Bozeman	0	0	0	0
Public	Naval Postgraduate School	0	0	0	0
Public	New Jersey Institute of Technology	0	1	0	0
Public	New Mexico State University - Las Cruces	0	0	0	0
Private	New York University	8	0	8	0
Public	North Carolina State University	4	5	4	5
Private	Northeastern University	2	5	2	6
Private	Northwestern University	9	0	9	0
Public	Ohio State University - Columbus	9	0	9	0
Public	Oklahoma State University - Stillwater	0	0	0	0

The Top American Research Universities

2017 No. of Measures in Top 25 Among Privates/Publics	2017 No. of Measures in Top 26-50 Among Privates/Publics	2016 No. of Measures in Top 25 Among Privates/Publics	2016 No. of Measures in Top 26-50 Among Privates/Publics	2015 No. of Measures in Top 25 Among Privates/Publics	2015 No. of Measures in Top 26-50 Among Privates/Publics	2014 No. of Measures in Top 25 Among Privates/Publics	2014 No. of Measures in Top 26-50 Among Privates/Publics
2	5	2	5	1	6	1	5
0	2	0	2	0	2	0	1
0	0	0	0	0	0	0	0
4	2	4	3	4	1	4	2
6	2	5	3	5	3	5	3
0	7	0	7	0	6	1	5
5	4	4	5	4	5	4	5
7	2	8	1	6	3	8	1
6	3	5	4	6	3	4	5
5	4	2	7	2	7	3	6
0	1	0	2	0	1	0	1
0	0	0	0	0	0	0	0
0	4	0	4	0	3	0	3
0	4	0	5	1	5	0	5
9	0	9	0	9	0	9	0
8	1	8	1	8	1	8	1
4	4	3	5	3	5	4	4
0	7	0	7	0	7	0	7
9	0	9	0	9	0	9	0
8	1	8	1	8	1	8	1
0	0	0	1	0	0	0	0
0	5	0	4	0	4	0	3
0	1	0	0	0	0	0	0
1	7	3	5	2	6	2	6
1	7	1	8	1	8	1	8
7	2	7	1	8	1	7	2
0	0	0	0	0	0	0	0
9	0	9	0	9	0	9	0
3	3	3	3	4	2	4	2
2	6	3	2	2	3	3	3
0	5	0	6	0	4	0	3
9	0	8	1	8	1	8	1
0	0	0	0	1	0	0	1
0	2	0	3	0	3	0	3
9	0	9	0	9	0	9	0
0	4	0	4	0	4	0	4
0	0	0	0	0	0	0	1
5	3	4	4	5	3	6	2
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0
8	1	8	0	8	0	8	0
3	6	2	7	2	7	3	5
2	5	1	7	1	6	0	7
9	0	9	0	9	0	9	0
9	0	9	0	9	0	9	0
0	1	0	0	0	0	0	1

The Center Measures - Control Rankings

Institutions with Over \$40 Million in Federal Research, Alphabetically		2019 No. of Measures in Top 25 Among Privates/Publics	2019 No. of Measures in Top 26-50 Among Privates/Publics	2018 No. of Measures in Top 25 Among Privates/Publics	2018 No. of Measures in Top 26-50 Among Privates/Publics
Public	Oregon Health & Science University	0	5	1	5
Public	Oregon State University	0	2	0	1
Public	Pennsylvania State Univ. - Hershey Med. Ctr.	0	0	0	0
Public	Pennsylvania State University - Univ. Park	7	1	6	2
Private	Princeton University	7	2	7	2
Public	Purdue University - West Lafayette	7	2	5	3
Private	Rensselaer Polytechnic Institute	0	7	0	5
Private	Rice University	3	6	3	6
Private	Rockefeller University	3	4	1	5
Private	Rush University	0	3	0	3
Public	Rutgers University - New Brunswick	5	4	5	3
Private	Scripps Research Institute	4	1	4	1
Private	Stanford University	9	0	9	0
Public	State Univ. of New York - Polytechnic Inst.	0	1	0	1
Public	Stony Brook University	1	3	0	5
Public	Temple University	0	0	0	1
Public	Texas A&M University - College Station	7	1	7	1
Private	Thomas Jefferson University	0	5	0	4
Private	Tufts University	0	9	1	8
Private	Tulane University	0	9	0	8
Public	Uniformed Services University of the HS	0	2	0	1
Public	University at Albany	0	0	0	0
Public	University at Buffalo	0	5	0	5
Public	University of Alabama - Birmingham	2	1	2	2
Public	University of Alabama - Huntsville	1	0	1	0
Public	University of Alaska - Fairbanks	0	0	0	0
Public	University of Arizona	5	3	5	3
Public	University of Arkansas - Fayetteville	1	2	0	2
Public	University of Arkansas for Medical Sciences	0	0	0	0
Public	University of California - Berkeley	9	0	9	0
Public	University of California - Davis	7	1	5	3
Public	University of California - Irvine	3	5	2	5
Public	University of California - Los Angeles	9	0	9	0
Public	University of California - Riverside	1	1	1	1
Public	University of California - San Diego	9	0	9	0
Public	University of California - San Francisco	6	1	7	0
Public	University of California - Santa Barbara	1	3	1	4
Public	University of California - Santa Cruz	0	2	0	1
Public	University of Central Florida	0	0	0	0
Private	University of Chicago	9	0	9	0
Public	University of Cincinnati - Cincinnati	0	5	0	7
Public	University of Colorado - Boulder	3	5	5	3
Public	Univ. of Colorado - Denver/Anschutz Medical	1	4	2	3
Public	University of Connecticut - Health Center	0	0	0	0
Public	University of Connecticut - Storrs	0	3	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	1	8

The Top American Research Universities

2017 No. of Measures in Top 25 Among Privates/Publics	2017 No. of Measures in Top 26-50 Among Privates/Publics	2016 No. of Measures in Top 25 Among Privates/Publics	2016 No. of Measures in Top 26-50 Among Privates/Publics	2015 No. of Measures in Top 25 Among Privates/Publics	2015 No. of Measures in Top 26-50 Among Privates/Publics	2014 No. of Measures in Top 25 Among Privates/Publics	2014 No. of Measures in Top 26-50 Among Privates/Publics
0	5	0	5	1	4	0	5
0	2	0	1	0	3	0	2
0	0	0	0	0	0	0	0
6	2	6	2	8	0	8	1
7	2	7	2	7	2	7	2
5	4	6	3	5	4	5	3
0	7	0	7	0	7	0	7
3	6	3	6	3	6	4	5
3	4	2	4	2	4	3	3
0	3	0	2	0	2	0	2
4	5	5	4	3	6	3	6
5	0	4	1	4	0	4	0
9	0	9	0	9	0	9	0
0	1	0	1	0	1	0	1
1	4	0	5	0	5	0	6
0	0	0	1	0	1	0	1
7	1	8	0	5	2	5	4
0	5	0	4	0	4	0	4
1	8	1	8	1	8	1	8
0	8	0	8	0	7	0	7
1	1	0	1	0	0	0	0
0	0	0	0	0	0	0	0
0	5	0	5	0	4	0	6
2	1	1	3	1	3	2	1
0	1	0	1	0	0	0	0
0	0	0	0	0	0	0	0
5	3	6	2	4	4	4	4
0	1	0	1	0	2	0	2
0	0	0	0	0	0	0	0
9	0	9	0	9	0	9	0
5	4	6	3	5	3	6	3
2	4	2	4	2	5	3	3
9	0	9	0	9	0	9	0
0	2	0	1	0	2	0	2
9	0	8	1	8	1	7	2
7	0	7	0	7	0	7	0
1	5	1	4	1	4	1	4
0	2	0	1	0	1	0	1
0	1	0	0	0	1	0	0
9	0	9	0	9	0	9	0
1	6	2	5	2	5	3	4
5	3	4	4	3	4	4	2
1	4	2	3	1	4	1	3
0	0	0	0	0	0	0	0
1	1	0	3	0	1	0	2
0	2	0	2	0	2	0	2
1	1	1	1	1	1	1	0
8	1	8	1	9	0	8	1
1	6	0	6	1	6	0	6

The Center Measures - Control Rankings

Institutions with Over \$40 Million in Federal Research, Alphabetically		2019 No. of Measures in Top 25 Among Privates/Publics	2019 No. of Measures in Top 26-50 Among Privates/Publics	2018 No. of Measures in Top 25 Among Privates/Publics	2018 No. of Measures in Top 26-50 Among Privates/Publics
Public	University of Hawaii - Manoa	0	3	0	4
Public	University of Houston - University Park	0	4	0	4
Public	University of Idaho	0	0	0	0
Public	University of Illinois - Chicago	0	4	0	4
Public	University of Illinois - Urbana-Champaign	9	0	9	0
Public	University of Iowa	1	7	1	7
Public	University of Kansas - Lawrence	0	3	0	5
Public	University of Kansas Medical Center	0	0	0	0
Public	University of Kentucky	0	5	0	8
Public	University of Louisville	0	0	0	1
Public	University of Maryland - Baltimore	0	3	0	4
Public	University of Maryland - Baltimore County	0	0	0	0
Public	University of Maryland - College Park	6	2	5	3
Public	University of Massachusetts - Amherst	0	2	0	2
Public	U. of Massachusetts Med. Sch. - Worcester	0	3	0	4
Private	University of Miami	3	4	4	4
Public	University of Michigan - Ann Arbor	9	0	9	0
Public	University of Minnesota - Twin Cities	9	0	9	0
Public	University of Missouri - Columbia	1	4	1	4
Public	University of Montana - Missoula	0	0	0	0
Public	University of Nebraska - Lincoln	1	2	0	2
Public	University of Nebraska Medical Center	0	0	0	1
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	2	0	2
Public	University of North Carolina - Chapel Hill	9	0	9	0
Public	University of North Dakota	0	0	0	0
Private	University of Notre Dame	4	5	4	5
Public	Univ. of Oklahoma - Health Sciences Center	0	0	0	0
Public	University of Oklahoma - Norman	0	1	1	2
Public	University of Oregon	1	3	1	2
Private	University of Pennsylvania	9	0	9	0
Public	University of Pittsburgh - Pittsburgh	7	2	6	3
Public	University of Rhode Island	0	0	0	0
Private	University of Rochester	3	5	3	5
Public	University of South Carolina - Columbia	0	4	2	3
Public	University of South Florida - Tampa	0	6	0	6
Private	University of Southern California	8	1	8	1
Public	University of Tennessee - Knoxville	0	3	0	3
Public	University of Texas - Austin	8	1	7	2
Public	University of Texas - El Paso	0	0	0	0
Public	University of Texas HSC - Houston	0	1	0	1
Public	University of Texas HSC - San Antonio	0	0	0	0
Public	Univ. of Texas MD Anderson Cancer Center	2	4	3	3
Public	Univ. of Texas Medical Branch - Galveston	0	0	0	0
Public	Univ. of Texas SW Medical Center - Dallas	3	4	3	4
Public	University of Utah	3	5	1	6
Public	University of Vermont	0	1	0	0
Public	University of Virginia	3	5	4	5

The Top American Research Universities

2017 No. of Measures in Top 25 Among Privates/Publics	2017 No. of Measures in Top 26-50 Among Privates/Publics	2016 No. of Measures in Top 25 Among Privates/Publics	2016 No. of Measures in Top 26-50 Among Privates/Publics	2015 No. of Measures in Top 25 Among Privates/Publics	2015 No. of Measures in Top 26-50 Among Privates/Publics	2014 No. of Measures in Top 25 Among Privates/Publics	2014 No. of Measures in Top 26-50 Among Privates/Publics
0	4	0	4	0	5	0	5
0	5	0	4	0	3	0	3
0	0	0	0	0	0	0	0
0	4	0	5	0	5	0	6
8	1	9	0	9	0	9	0
2	6	2	6	3	6	2	6
0	3	1	3	1	3	1	3
0	0	0	0	0	0	0	0
1	4	0	6	0	6	0	6
0	1	0	1	0	1	0	2
0	4	0	4	0	4	0	5
0	1	0	1	0	1	0	1
6	2	6	2	7	0	6	1
0	3	1	1	0	3	0	3
0	3	0	3	0	3	0	4
3	4	3	4	3	4	3	4
9	0	9	0	9	0	9	0
9	0	9	0	9	0	9	0
0	5	0	5	0	5	0	4
0	0	0	0	0	0	0	0
0	3	1	2	0	3	0	4
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	2	0	2	0	2	0	1
9	0	9	0	9	0	9	0
0	0	0	0	0	0	0	0
4	5	5	4	4	5	4	5
0	0	0	0	0	0	0	0
1	2	1	2	0	2	1	1
0	4	0	4	0	2	1	2
9	0	9	0	9	0	9	0
7	2	6	3	7	2	7	2
0	0	0	0	0	0	0	0
3	5	5	3	5	2	4	4
0	2	0	4	0	2	0	4
0	6	0	6	0	5	0	4
8	1	8	1	8	1	8	1
1	2	0	3	0	5	1	4
8	1	8	1	9	0	9	0
0	0	0	0	0	0	0	0
0	1	0	0	0	2	0	2
0	0	0	0	0	0	0	0
4	2	4	2	4	2	4	2
0	0	0	0	0	0	0	0
4	3	3	4	4	3	4	3
5	3	3	5	5	3	3	5
0	0	0	0	0	0	0	0
4	4	5	4	4	5	5	4

The Center Measures - Control Rankings

Institutions with Over \$40 Million in Federal Research, Alphabetically		2019 No. of Measures in Top 25 Among Privates/Publics	2019 No. of Measures in Top 26-50 Among Privates/Publics	2018 No. of Measures in Top 25 Among Privates/Publics	2018 No. of Measures in Top 26-50 Among Privates/Publics
Public	University of Washington - Seattle	8	1	8	1
Public	University of Wisconsin - Madison	9	0	9	0
Public	University of Wyoming	0	0	0	0
Public	Utah State University	0	0	0	1
Private	Vanderbilt University	9	0	9	0
Public	Virginia Commonwealth University	1	1	1	0
Public	Virginia Polytechnic Institute and State Univ.	1	8	2	5
Private	Wake Forest University	1	6	0	7
Public	Washington State University - Pullman	0	5	0	4
Private	Washington University in St. Louis	9	0	9	0
Public	Wayne State University	0	0	0	0
Private	Weill Cornell Medical College	3	4	4	3
Public	West Virginia University	0	0	0	0
Private	Woods Hole Oceanographic Institution	0	4	0	3
Private	Yale University	9	0	9	0
Private	Yeshiva University	0	5	1	3

2017 No. of Measures in Top 25 Among Privates/Publics	2017 No. of Measures in Top 26-50 Among Privates/Publics	2016 No. of Measures in Top 25 Among Privates/Publics	2016 No. of Measures in Top 26-50 Among Privates/Publics	2015 No. of Measures in Top 25 Among Privates/Publics	2015 No. of Measures in Top 26-50 Among Privates/Publics	2014 No. of Measures in Top 25 Among Privates/Publics	2014 No. of Measures in Top 26-50 Among Privates/Publics
8	1	8	1	8	1	8	1
9	0	9	0	9	0	9	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
8	1	8	1	9	0	9	0
1	0	1	1	1	1	1	2
1	7	2	6	2	6	2	5
0	7	0	6	0	7	0	7
0	6	0	4	0	3	0	4
9	0	9	0	9	0	9	0
0	0	0	0	0	1	0	0
3	4	3	4	4	3	3	4
0	0	0	1	0	0	0	2
0	4	0	4	0	4	0	4
9	0	9	0	9	0	9	0
0	6	1	5	1	6	1	7

Federal Research with and without Medical School Research

Institutions with Over \$40 Million in Federal Research excluding Stand-Alone Medical Schools, Alphabetically		AAMC Med School	2017 Federal (x1000)	2017 AAMC Fed (x1000)	2017 Rank Incl AAMC	2017 Rank Excl AAMC	2016 Federal (x1000)	2016 AAMC Fed (x1000)	2016 Rank Incl AAMC	2016 Rank Excl AAMC
Public	Arizona State University		214,845	0	58	36	200,280	0	59	36
Public	Auburn University		54,693	0	142	121	54,258	0	141	119
Public	Augusta University	Yes	48,921	27,926	151	185	50,294	27,203	149	175
Private	Boston University	Yes	253,828	103,975	47	52	250,523	97,570	47	48
Private	Brandeis University		44,819	0	154	131	47,708	0	154	129
Private	Brown University	Yes	141,864	45,325	84	82	131,751	41,734	84	84
Private	California Institute of Technology		272,323	0	44	23	260,489	0	45	23
Private	Carnegie Mellon University		189,974	0	65	40	190,620	0	64	40
Private	Case Western Reserve University	Yes	325,354	272,583	36	124	320,402	263,290	35	117
Public	Clemson University		62,920	0	133	110	52,184	0	142	121
Public	Cleveland State University		52,317	0	146	126	49,659	0	151	126
Private	Cold Spring Harbor Laboratory		54,260	0	143	122	50,478	0	147	125
Public	Colorado State University - Fort Collins		232,405	0	54	30	227,624	0	52	30
Private	Columbia University	Yes	632,994	314,062	8	18	585,578	275,404	9	17
Private	Cornell University		279,525	0	43	22	280,461	0	42	19
Private	Dartmouth College	Yes	136,977	83,359	87	123	138,641	92,734	81	130
Private	Drexel University	Yes	69,326	28,813	127	141	65,193	28,158	131	142
Private	Duke University	Yes	622,174	375,864	9	29	574,738	335,765	11	28
Private	Emory University	Yes	381,151	213,016	25	44	360,197	205,575	26	46
Public	Florida International University	Yes	66,351	3,716	130	111	68,539	2,682	129	106
Public	Florida State University	Yes	118,359	6,839	94	72	118,294	5,567	94	67
Public	George Mason University		52,432	0	145	125	50,687	0	144	122
Private	George Washington University	Yes	144,567	30,382	81	68	138,735	21,081	80	64
Private	Georgetown University	Yes	93,224	76,101	107	204	82,819	67,726	115	207
Public	Georgia Institute of Technology		578,107	0	12	2	567,100	0	12	2
Public	Georgia State University		54,842	0	141	120	40,897	0	161	135
Private	Harvard University	Yes	565,269	165,167	13	8	549,539	163,758	13	8
Public	Indiana University - Bloomington	Yes	241,350	131,070	50	74	216,917	116,863	55	72
Public	Iowa State University		125,607	0	91	63	124,242	0	89	59
Private	Johns Hopkins University	Yes	2,173,734	464,346	1	1	2,100,097	471,932	1	1
Public	Kansas State University		72,321	0	123	101	67,863	0	130	102
Public	Louisiana State University - Baton Rouge		80,044	0	120	97	84,954	0	113	90
Private	Massachusetts Institute of Technology		484,597	0	16	5	501,702	0	15	4
Public	Michigan State University	Yes	329,533	14,707	34	19	294,369	9,749	38	18
Public	Mississippi State University		87,435	0	111	89	86,570	0	111	87
Public	Montana State University - Bozeman		66,449	0	129	107	61,490	0	135	112
Public	Naval Postgraduate School		42,246	0	158	137	50,560	0	146	124
Public	New Jersey Institute of Technology		64,840	0	132	109	63,322	0	132	108
Public	New Mexico State University - Las Cruces		59,087	0	136	114	61,494	0	134	111
Private	New York University	Yes	369,947	245,133	27	64	332,483	224,016	33	68
Public	North Carolina State University		213,544	0	60	37	197,261	0	61	37
Private	Northeastern University		90,190	0	108	87	78,668	0	120	94
Private	Northwestern University	Yes	438,732	262,514	22	42	424,638	250,143	21	41
Public	Ohio State University - Columbus	Yes	427,154	47,443	24	10	418,887	48,670	22	9
Public	Oklahoma State University - Stillwater		42,331	0	157	136	41,186	0	160	134
Public	Oregon State University		157,708	0	76	49	156,437	0	74	45
Public	Pennsylvania State University - Univ. Park		477,111	0	18	6	463,244	0	18	6
Private	Princeton University		175,485	0	72	43	161,562	0	73	44
Public	Purdue University - West Lafayette		224,965	0	55	31	214,373	0	56	33

The Top American Research Universities

2015 Federal (x1000)	2015 AAMC Fed (x1000)	2015 Rank Incl AAMC	2015 Rank Excl AAMC	2014 Federal (x1000)	2014 AAMC Fed (x1000)	2014 Rank Incl AAMC	2014 Rank Excl AAMC	2013 Federal (x1000)	2013 AAMC Fed (x1000)	2013 Rank Incl AAMC	2013 Rank Excl AAMC
186,890	0	65	39	186,126	0	65	38	190,066	0	67	39
47,939	0	149	125	49,739	0	149	126	56,809	0	144	121
50,585	23,589	144	160	47,771	27,219	151	185	47,913	26,605	154	188
256,562	113,968	49	52	254,285	115,773	48	51	265,476	128,285	48	54
46,764	0	152	129	45,800	0	153	130	43,963	0	160	135
127,886	41,467	83	83	125,005	37,446	84	87	120,977	65,748	87	124
269,156	0	44	23	276,447	0	42	22	272,223	0	46	23
187,259	0	64	38	198,247	0	61	34	215,560	0	57	33
307,960	251,043	36	117	328,548	265,930	29	112	347,628	283,729	28	111
45,292	0	153	130	44,673	0	155	132	47,825	0	155	130
41,721	0	157	133	44,139	0	156	133	50,002	0	152	129
49,063	0	148	124	41,845	0	158	134	41,002	0	163	137
213,685	0	54	32	206,958	0	56	33	213,355	0	58	34
577,833	275,830	7	18	591,523	277,143	8	15	619,557	295,191	7	16
277,163	0	41	20	299,320	0	36	20	299,951	0	35	20
145,807	92,511	79	121	145,080	94,250	76	124	154,917	107,186	75	131
67,226	24,660	127	132	75,557	9,434	122	108	74,047	10,168	125	112
558,566	318,274	9	27	556,847	318,028	10	28	580,416	342,190	10	30
346,534	199,294	25	50	329,254	199,084	27	54	364,136	212,276	26	50
67,293	2,595	126	108	68,946	1,769	126	106	57,858	2,415	139	123
133,569	4,855	82	56	140,995	3,413	79	52	132,583	5,177	81	61
54,113	0	140	120	53,775	0	143	120	57,154	0	141	119
135,667	19,172	81	66	139,148	17,636	82	58	119,441	17,357	92	74
87,268	74,601	105	219	99,567	82,261	103	204	113,703	96,334	99	202
548,063	0	11	2	510,422	0	14	2	520,754	0	14	2
36,843	0	164	137	29,470	0	182	153	28,216	0	191	161
530,382	153,831	13	8	554,944	170,892	11	8	575,868	186,123	11	9
206,263	108,460	57	73	80,109	0	117	93	82,005	0	120	91
113,443	0	95	69	115,285	0	91	62	120,934	0	88	62
1,988,993	445,116	1	1	1,936,953	443,740	1	1	1,881,959	474,194	1	1
66,632	0	128	106	64,565	0	129	109	67,524	0	132	106
82,276	0	113	89	93,584	0	105	79	93,281	0	109	80
486,650	0	15	4	480,991	0	16	4	487,647	0	19	5
256,228	9,194	50	26	247,970	14,634	49	29	246,131	17,935	52	31
79,181	0	116	92	70,615	0	125	102	73,834	0	126	101
62,827	0	132	109	66,770	0	128	107	66,451	0	133	108
71,987	0	123	101	89,284	0	109	84	86,538	0	115	87
50,554	0	145	122	51,853	0	146	123	55,017	0	147	125
78,253	0	120	96	80,247	0	116	92	86,546	0	114	86
326,691	212,823	32	68	314,712	204,375	31	67	283,382	194,592	44	84
196,058	0	60	36	177,722	0	70	41	174,440	0	70	42
78,379	0	119	95	77,401	0	120	97	82,587	0	119	90
385,868	232,322	24	48	385,888	224,480	24	46	389,757	234,388	25	48
406,941	49,761	22	9	416,177	54,055	21	9	425,547	50,560	22	10
38,498	0	160	136	36,687	0	163	139	44,200	0	159	134
150,625	0	77	49	143,815	0	77	50	148,174	0	78	52
447,956	0	19	5	461,896	0	18	5	500,567	0	16	4
157,867	0	75	47	163,805	0	72	44	156,070	0	73	47
209,005	0	56	34	227,857	0	53	30	258,596	0	49	27

Federal Research with and without Medical School Research

Institutions with Over \$40 Million in Federal Research excluding Stand Alone Medical Schools, Alphabetically		AAMC Med School	2017 Federal (x1000)	2017 AAMC Fed (x1000)	2017 Rank Incl AAMC	2017 Rank Excl AAMC	2016 Federal (x1000)	2016 AAMC Fed (x1000)	2016 Rank Incl AAMC	2016 Rank Excl AAMC
Private	Rensselaer Polytechnic Institute		47,749	0	153	129	48,887	0	153	127
Private	Rice University		83,894	0	117	93	82,643	0	116	91
Private	Rockefeller University		86,763	0	112	90	80,667	0	117	92
Public	Rutgers University - New Brunswick	Yes	316,118	53,043	37	25	318,123	49,191	36	21
Private	Scripps Research Institute		250,090	0	48	28	242,489	0	48	27
Private	Stanford University	Yes	684,928	460,584	4	32	668,578	433,557	4	29
Public	State Univ. of New York - Polytechnic Inst.		41,247	0	161	140	21,380	0	209	185
Public	Stony Brook University	Yes	125,150	48,653	92	100	118,296	46,827	93	100
Public	Temple University	Yes	143,636	62,623	82	96	134,132	57,156	83	96
Public	Texas A&M University - College Station	Yes	294,602	14,859	41	21	281,015	15,533	41	22
Private	Tufts University	Yes	138,004	37,686	85	79	124,363	33,688	88	83
Private	Tulane University	Yes	93,747	21,923	106	102	89,028	22,385	108	104
Public	University at Albany		82,551	0	119	95	74,092	0	122	98
Public	University at Buffalo	Yes	184,313	29,782	68	50	180,095	28,377	68	49
Public	University of Alabama - Birmingham	Yes	356,303	209,223	31	55	346,190	200,079	28	50
Public	University of Alabama - Huntsville		68,259	0	128	106	68,882	0	128	101
Public	University of Alaska - Fairbanks		95,467	0	105	83	87,829	0	110	86
Public	University of Arizona	Yes	269,201	50,031	45	35	259,443	44,579	46	32
Public	University of Arkansas - Fayetteville		42,198	0	159	138	39,527	0	162	136
Public	University of California - Berkeley		326,548	0	35	16	338,562	0	31	14
Public	University of California - Davis	Yes	337,995	87,371	33	27	334,534	81,256	32	25
Public	University of California - Irvine	Yes	178,789	50,305	71	61	170,674	47,567	71	60
Public	University of California - Los Angeles	Yes	479,799	260,203	17	34	479,718	267,024	17	34
Public	University of California - Riverside	Yes	75,920	5,798	122	104	69,924	5,341	125	107
Public	University of California - San Diego	Yes	639,643	338,575	7	20	602,336	325,443	8	20
Public	University of California - Santa Barbara		113,173	0	95	69	114,884	0	95	66
Public	University of California - Santa Cruz		65,133	0	131	108	93,651	0	104	81
Public	University of Central Florida	Yes	82,777	5,385	118	99	80,365	4,821	118	97
Private	University of Chicago	Yes	302,361	175,599	40	62	293,557	176,108	39	65
Public	University of Cincinnati - Cincinnati	Yes	239,659	76,341	51	48	229,761	75,839	51	47
Public	University of Colorado - Boulder		359,462	0	30	14	360,827	0	25	10
Public	Univ. of Colorado - Denver/Anschutz Med.	Yes	305,473	173,982	39	60	289,757	161,098	40	55
Public	University of Connecticut - Storrs		99,884	0	104	81	99,926	0	101	73
Private	University of Dayton		112,584	0	97	71	97,635	0	102	75
Public	University of Delaware		113,031	0	96	70	108,378	0	98	69
Public	University of Florida	Yes	314,187	109,751	38	39	297,267	101,547	37	38
Public	University of Georgia		153,279	0	78	51	138,374	0	82	53
Public	University of Hawaii - Manoa	Yes	181,750	17,652	69	47	189,683	17,442	65	42
Public	University of Houston - University Park		57,263	0	137	117	58,085	0	138	115
Public	University of Idaho		48,879	0	152	128	50,083	0	150	809
Public	University of Illinois - Chicago	Yes	188,730	85,213	67	77	175,302	74,872	69	71
Public	University of Illinois - Urbana-Champaign		344,657	0	32	15	320,703	0	34	16
Public	University of Iowa	Yes	236,679	89,205	52	54	236,363	93,873	49	52
Public	University of Kansas - Lawrence		85,807	0	113	91	79,916	0	119	93
Public	University of Kentucky	Yes	168,347	53,935	73	67	152,708	51,723	77	70
Public	University of Louisville	Yes	69,722	44,958	126	173	69,781	42,716	126	160
Public	University of Maryland - Baltimore County		52,008	0	147	127	50,645	0	145	123
Public	University of Maryland - College Park		361,269	0	29	13	354,788	0	27	12
Public	University of Massachusetts - Amherst		101,992	0	102	78	97,576	0	103	76

The Top American Research Universities

2015 Federal (x1000)	2015 AAMC Fed (x1000)	2015 Rank Incl AAMC	2015 Rank Excl AAMC	2014 Federal (x1000)	2014 AAMC Fed (x1000)	2014 Rank Incl AAMC	2014 Rank Excl AAMC	2013 Federal (x1000)	2013 AAMC Fed (x1000)	2013 Rank Incl AAMC	2013 Rank Excl AAMC
59,417	0	136	114	58,940	0	136	115	60,765	0	137	117
73,817	0	122	100	73,782	0	124	101	79,742	0	123	94
81,949	0	114	91	81,820	0	114	89	80,384	0	122	93
320,311	47,981	35	22	355,116	42,392	25	17	288,374	0	40	21
274,097	0	42	21	292,268	0	37	21	308,628	0	33	18
645,633	411,680	4	28	608,342	366,231	4	27	625,144	361,418	5	26
14,641	0	233	207	21,208	0	209	818	25,221	0	199	477
115,031	47,049	93	104	111,386	51,367	97	114	118,432	54,994	94	113
119,945	52,951	89	105	118,892	43,055	89	99	124,764	43,446	85	92
291,714	14,231	38	19	266,877	0	45	23	270,334	0	47	24
120,181	33,781	88	84	115,046	35,588	92	94	112,495	36,309	100	99
84,143	23,605	109	112	94,287	25,285	104	104	97,873	25,465	107	102
78,824	0	118	94	104,861	0	99	72	113,736	0	98	66
174,146	27,092	70	51	185,144	28,169	66	48	200,212	28,930	62	43
325,008	184,555	33	53	276,112	170,690	44	71	286,873	180,400	41	69
66,564	0	130	107	73,913	0	123	100	83,396	0	118	89
78,985	0	117	93	83,483	0	113	88	92,602	0	111	83
265,878	42,269	46	31	286,595	41,933	38	25	334,680	46,323	31	22
33,486	0	170	146	26,014	0	192	162	30,562	0	183	155
342,042	0	26	11	309,305	0	33	18	305,932	0	34	19
322,919	89,513	34	29	327,697	85,100	30	26	344,632	91,832	29	28
170,622	48,250	72	59	180,431	53,617	69	55	196,256	58,249	65	53
482,771	276,847	16	35	458,157	268,928	19	36	489,820	283,756	17	35
62,642	2,737	133	113	56,327	2,600	137	121	57,032	0	143	120
601,184	245,930	5	10	597,270	246,807	7	12	630,009	271,904	4	13
114,596	0	94	67	119,816	0	87	60	131,392	0	82	56
91,249	0	104	81	89,206	0	110	85	88,600	0	112	85
81,788	5,022	115	97	64,323	7,590	130	117	68,691	7,446	131	116
290,776	180,683	39	70	276,237	168,641	43	68	294,862	179,901	38	64
250,457	73,101	51	43	243,705	82,031	51	45	256,816	97,383	50	45
341,828	0	27	12	302,877	0	34	19	309,072	0	32	17
266,147	144,216	45	60	277,209	156,914	41	59	290,443	160,966	39	59
91,837	0	103	80	80,317	0	115	91	86,471	0	116	88
74,548	0	121	99	63,881	0	131	110	66,396	0	134	109
109,258	0	97	71	111,933	0	96	65	114,048	0	97	65
281,317	97,378	40	40	279,920	96,651	40	40	285,778	96,537	42	40
127,825	0	84	57	122,145	0	85	57	127,487	0	83	60
199,818	16,432	58	41	202,574	18,479	59	39	225,263	21,795	55	36
54,516	0	139	119	55,574	0	138	118	57,569	0	140	118
49,591	0	147	123	49,423	0	150	127	52,430	0	149	126
192,930	74,506	61	64	201,646	83,250	60	61	219,473	89,679	56	58
330,479	0	30	16	336,172	0	26	13	459,791	0	20	6
223,730	86,255	53	54	234,122	99,673	52	53	252,161	97,465	51	49
85,862	0	107	85	88,725	0	111	86	99,374	0	105	76
145,097	49,066	80	76	140,450	47,963	80	81	148,758	54,736	77	79
66,100	43,342	131	177	63,258	39,871	132	171	72,047	44,043	128	163
47,591	0	150	126	46,993	0	152	129	44,257	0	158	133
332,079	0	28	14	328,828	0	28	14	341,942	0	30	15
97,206	0	101	74	102,682	0	101	74	103,233	0	104	73

Federal Research with and without Medical School Research

Institutions with Over \$40 Million in Federal Research excluding Stand Alone Medical Schools, Alphabetically		AAMC Med School	2017 Federal (x1000)	2017 AAMC Fed (x1000)	2017 Rank Incl AAMC	2017 Rank Excl AAMC	2016 Federal (x1000)	2016 AAMC Fed (x1000)	2016 Rank Incl AAMC	2016 Rank Excl AAMC
Private	University of Miami	Yes	193,549	109,757	64	94	194,346	108,757	62	89
Public	University of Michigan - Ann Arbor	Yes	822,436	330,023	3	4	780,080	304,267	3	5
Public	University of Minnesota - Twin Cities	Yes	448,814	125,588	20	17	462,570	131,858	19	15
Public	University of Missouri - Columbia	Yes	106,804	12,023	100	85	105,125	11,236	99	80
Public	University of Montana - Missoula		44,465	0	155	132	38,726	0	163	138
Public	University of Nebraska - Lincoln		99,956	0	103	80	93,532	0	105	82
Public	University of Nevada - Reno	Yes	53,438	13,971	144	142	51,630	13,682	143	141
Public	University of New Hampshire - Durham		85,714	0	114	92	89,457	0	107	85
Public	University of New Mexico - Albuquerque	Yes	159,583	52,671	75	76	153,100	57,477	76	78
Public	University of North Carolina - Chapel Hill	Yes	657,879	265,721	5	9	624,131	263,944	6	11
Public	University of North Dakota	Yes	40,845	10,689	162	153	42,253	9,576	157	148
Private	University of Notre Dame		90,038	0	109	88	85,870	0	112	88
Public	University of Oklahoma - Norman		70,348	0	124	103	72,153	0	123	99
Public	University of Oregon		57,092	0	138	118	55,137	0	140	118
Private	University of Pennsylvania	Yes	653,405	395,147	6	26	638,336	385,413	5	26
Public	University of Pittsburgh - Pittsburgh	Yes	612,754	390,880	10	33	575,281	363,744	10	35
Public	University of Rhode Island		59,623	0	135	113	58,438	0	137	114
Private	University of Rochester	Yes	267,040	133,394	46	59	265,430	140,747	44	58
Public	University of South Carolina - Columbia	Yes	89,565	10,123	110	98	88,231	10,078	109	95
Public	University of South Florida - Tampa	Yes	234,871	68,276	53	45	210,823	65,998	57	51
Private	University of Southern California	Yes	436,515	170,450	23	24	396,197	142,085	23	24
Public	University of Tennessee - Knoxville		142,549	0	83	56	125,528	0	85	56
Public	University of Texas - Austin	Yes	377,389	3,754	26	11	340,181	335	30	13
Public	University of Texas - El Paso		43,759	0	156	135	41,384	0	159	133
Public	University of Utah	Yes	218,405	101,365	56	66	224,270	93,624	53	54
Public	University of Vermont	Yes	78,383	49,284	121	156	83,124	54,441	114	155
Public	University of Virginia	Yes	215,193	120,279	57	84	198,760	101,474	60	77
Public	University of Washington - Seattle	Yes	912,856	411,316	2	3	893,050	370,953	2	3
Public	University of Wisconsin - Madison	Yes	552,983	137,645	14	7	548,247	130,592	14	7
Public	University of Wyoming		56,178	0	139	119	63,223	0	133	109
Public	Utah State University		137,295	0	86	58	124,981	0	86	57
Private	Vanderbilt University	Yes	442,669	72,143	21	12	395,505	275,177	24	63
Public	Virginia Commonwealth University	Yes	127,341	65,386	90	112	124,962	58,995	87	105
Public	Virginia Polytechnic Institute and State Univ.		181,379	0	70	41	190,975	0	63	39
Private	Wake Forest University	Yes	147,746	134,374	80	222	140,651	131,030	79	244
Public	Washington State University - Pullman	Yes	133,308	10,427	89	65	122,275	0	91	61
Private	Washington University in St. Louis	Yes	468,637	359,784	19	75	436,229	337,671	20	74
Public	Wayne State University	Yes	106,865	62,628	99	133	109,460	61,442	96	128
Public	West Virginia University	Yes	70,256	12,030	125	115	70,313	12,548	124	116
Private	Woods Hole Oceanographic Institution		148,491	0	79	53	166,010	0	72	43
Private	Yale University	Yes	531,995	393,639	15	57	494,504	373,527	16	62
Private	Yeshiva University	Yes	189,075	171,698	66	203	218,787	156,329	54	110

The Top American Research Universities

2015 Federal (x1000)	2015 AAMC Fed (x1000)	2015 Rank Incl AAMC	2015 Rank Excl AAMC	2014 Federal (x1000)	2014 AAMC Fed (x1000)	2014 Rank Incl AAMC	2014 Rank Excl AAMC	2013 Federal (x1000)	2013 AAMC Fed (x1000)	2013 Rank Incl AAMC	2013 Rank Excl AAMC
192,691	109,899	62	87	202,818	121,723	58	90	204,315	128,068	61	98
728,712	293,618	3	6	733,779	297,638	3	6	802,114	351,344	3	7
468,482	135,686	18	13	483,542	121,874	15	10	489,318	122,906	18	11
102,852	10,884	99	79	102,784	12,916	100	82	108,305	15,262	101	81
33,617	0	168	144	30,164	0	179	151	33,825	0	171	148
94,763	0	102	78	93,190	0	106	80	96,177	0	108	78
49,977	13,482	146	138	50,904	18,516	147	144	53,898	16,304	148	144
83,106	0	111	86	89,640	0	107	83	92,778	0	110	82
151,619	54,920	76	75	151,082	50,456	75	75	155,684	51,883	74	72
577,574	249,915	8	17	601,933	248,809	6	11	614,627	251,314	8	12
37,457	9,318	163	155	40,191	7,813	160	145	46,397	8,343	156	141
82,615	0	112	88	79,192	0	119	95	79,268	0	124	95
69,520	0	125	116	53,223	0	145	122	68,902	0	130	105
56,448	0	138	118	62,824	0	133	111	61,856	0	136	114
597,791	370,570	6	30	606,115	380,930	5	31	623,939	378,442	6	29
554,658	344,314	10	33	565,409	350,989	9	32	601,358	378,103	9	32
61,085	0	134	111	61,836	0	134	113	70,900	0	129	103
261,023	141,609	47	63	265,686	153,838	46	66	298,781	161,624	36	55
84,723	9,758	108	98	87,844	10,920	112	98	87,562	11,690	113	100
196,215	59,162	59	55	205,155	59,544	57	49	207,441	58,369	60	51
408,105	149,851	21	24	421,887	155,039	20	24	423,708	158,878	23	25
116,928	0	92	65	122,120	0	86	69	122,051	0	86	71
331,388	81	29	15	313,955	0	32	16	352,788	0	27	14
40,334	0	158	134	34,528	0	166	141	37,741	0	165	143
270,311	91,280	43	42	284,125	95,267	39	37	297,099	97,559	37	37
83,733	54,792	110	152	79,727	51,878	118	156	85,028	54,038	117	154
186,676	96,694	66	82	192,907	89,693	63	73	212,051	101,570	59	67
851,573	347,903	2	3	849,713	341,694	2	3	869,623	349,868	2	3
506,910	122,693	14	7	522,251	129,396	13	7	533,220	129,162	13	8
47,232	0	151	128	39,778	0	162	136	52,296	0	150	127
119,811	0	90	62	114,075	0	93	63	106,074	0	103	70
390,701	308,597	23	90	408,743	310,219	23	76	432,752	325,195	21	68
123,665	52,213	86	102	119,507	51,909	88	105	119,293	52,514	93	107
191,080	0	63	37	198,092	0	62	35	197,462	0	64	38
148,084	142,284	78	277	153,069	145,964	74	265	156,506	149,306	72	274
121,627	0	87	61	112,568	0	95	64	119,921	0	90	63
424,723	326,558	20	72	410,115	313,053	22	77	402,702	338,572	24	110
108,221	60,982	98	127	112,608	65,542	94	128	118,217	66,565	95	128
66,608	7,541	129	115	67,450	10,396	127	116	72,677	11,002	127	115
172,995	0	71	44	177,616	0	71	42	158,672	0	71	46
471,381	343,791	17	58	475,585	349,194	17	56	502,439	371,094	15	57
180,791	169,894	69	232	186,885	174,705	64	226	193,831	170,068	66	177

Part III – The Top 200 Institutions

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

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

- **2017 Total Research Expenditures**
- **2017 Federal Research Expenditures**
- **2018 Endowment Assets**
- **2018 Annual Giving**
- **2018 National Academy Membership**
- **2018 Faculty Awards**
- **2018 Doctorates Awarded**
- **2017 Postdoctoral Appointees**
- **2017 SAT Scores**
- **2018 National Merit and Achievement Scholars**

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

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

The Top 200 Institutions – Total Research Expenditures (2017)

Top 1-50 Institutions in Total Research Expenditures	Total Research x \$1000	National Rank	Control Rank	Institutional Control
Johns Hopkins University	2,556,641	1	1	Private
University of Michigan - Ann Arbor	1,434,535	2	1	Public
University of California - San Francisco	1,409,398	3	2	Public
University of Washington - Seattle	1,270,642	4	3	Public
University of Pennsylvania	1,247,686	5	2	Private
University of California - San Diego	1,126,269	6	4	Public
Duke University	1,113,921	7	3	Private
University of Wisconsin - Madison	1,105,261	8	5	Public
University of North Carolina - Chapel Hill	1,061,535	9	6	Public
Stanford University	1,055,418	10	4	Private
University of California - Los Angeles	1,037,780	11	7	Public
Harvard University	1,032,590	12	5	Private
Yale University	930,569	13	6	Private
University of Pittsburgh - Pittsburgh	930,198	14	8	Public
University of Texas MD Anderson Cancer Center	888,029	15	9	Public
University of Minnesota - Twin Cities	881,286	16	10	Public
Massachusetts Institute of Technology	878,964	17	7	Private
Texas A&M University - College Station	869,100	18	11	Public
Columbia University	848,733	19	8	Private
New York University	822,329	20	9	Private
Ohio State University - Columbus	804,699	21	12	Public
Georgia Institute of Technology	785,603	22	13	Public
University of Florida	766,469	23	14	Public
Washington University in St. Louis	740,005	24	10	Private
University of California - Davis	726,469	25	15	Public
Pennsylvania State University - University Park	725,832	26	16	Public
University of Southern California	725,528	27	11	Private
University of California - Berkeley	724,817	28	17	Public
Northwestern University	724,060	29	12	Private
Vanderbilt University	681,286	30	13	Private
Michigan State University	653,611	31	18	Public
Emory University	646,146	32	14	Private
Rutgers University - New Brunswick	633,789	33	19	Public
University of Arizona	609,965	34	20	Public
Baylor College of Medicine	604,952	35	15	Private
University of Illinois - Urbana-Champaign	602,641	36	21	Public
University of Texas - Austin	598,597	37	22	Public
Cornell University	591,701	38	16	Private
Icahn School of Medicine at Mount Sinai	575,448	39	17	Private
University of Alabama - Birmingham	553,651	40	23	Public
Purdue University - West Lafayette	533,598	41	24	Public
University of Maryland - College Park	532,982	42	25	Public
Virginia Polytechnic Institute and State University	511,340	43	26	Public
Indiana University - Bloomington	507,553	44	27	Public
University of South Florida - Tampa	502,216	45	28	Public
North Carolina State University	488,974	46	29	Public
Arizona State University	484,315	47	30	Public
University of Colorado - Boulder	474,496	48	31	Public
University of Colorado - Denver/Anschutz Medical	472,859	49	32	Public
University of Iowa	466,462	50	33	Public

The Top 200 Institutions – Total Research Expenditures (2017)

Top 51-100 Institutions in Total Research Expenditures	Total Research x \$1000	National Rank	Control Rank	Institutional Control
University of Texas SW Medical Center - Dallas	461,797	51	34	Public
University of Virginia	431,793	52	35	Public
University of Cincinnati - Cincinnati	427,236	53	36	Public
University of Chicago	419,996	54	18	Private
University of Maryland - Baltimore	406,979	55	37	Public
Case Western Reserve University	406,196	56	19	Private
University of Georgia	403,575	57	38	Public
Boston University	398,754	58	20	Private
University at Buffalo	386,386	59	39	Public
California Institute of Technology	380,711	60	21	Private
Weill Cornell Medical College	371,465	61	22	Private
University of Kentucky	367,934	62	40	Public
University of Miami	365,310	63	23	Private
Scripps Research Institute	354,582	64	24	Private
University of Illinois - Chicago	352,200	65	41	Public
University of Rochester	351,924	66	25	Private
Rockefeller University	348,845	67	26	Private
Oregon Health & Science University	346,710	68	42	Public
University of California - Irvine	339,309	69	43	Public
Colorado State University - Fort Collins	328,221	70	44	Public
Princeton University	325,150	71	27	Private
University of Utah	318,956	72	45	Public
Carnegie Mellon University	313,145	73	28	Private
Washington State University - Pullman	310,607	74	46	Public
Iowa State University	310,100	75	47	Public
State Univ. of New York - Polytechnic Institute	308,843	76	48	Public
Uniformed Services University of the Health Sciences	298,370	77	49	Public
Yeshiva University	292,943	78	29	Private
University of Hawaii - Manoa	288,294	79	50	Public
University of Massachusetts Medical Sch - Worcester	279,884	80	51	Public
Dartmouth College	277,638	81	30	Private
University of Nebraska - Lincoln	270,749	82	52	Public
University of Tennessee - Knoxville	269,548	83	53	Public
Medical University of South Carolina	262,267	84	54	Public
Oregon State University	260,893	85	55	Public
Louisiana State University - Baton Rouge	258,402	86	56	Public
Temple University	249,156	87	57	Public
Florida State University	247,319	88	58	Public
University of Texas Health Science Center - Houston	246,060	89	59	Public
University of Missouri - Columbia	242,967	90	60	Public
University of New Mexico - Albuquerque	236,623	91	61	Public
Stony Brook University	235,430	92	62	Public
Mississippi State University	233,024	93	63	Public
George Washington University	226,005	94	31	Private
University of California - Santa Barbara	225,767	95	64	Public
Wayne State University	220,199	96	65	Public
Tufts University	216,895	97	32	Private
Virginia Commonwealth University	210,827	98	66	Public
Medical College of Wisconsin	209,618	99	33	Private
Brown University	201,253	100	34	Private

The Top 200 Institutions – Total Research Expenditures (2017)

Top 101-150 Institutions in Total Research Expenditures	Total Research x \$1000	National Rank	Control Rank	Institutional Control
Woods Hole Oceanographic Institution	194,088	101	35	Private
University of Massachusetts - Amherst	194,030	102	67	Public
University of Texas Health Science Ctr - San Antonio	192,557	103	68	Public
Georgetown University	187,948	104	36	Private
University of Texas Medical Branch - Galveston	185,106	105	69	Public
Utah State University	184,746	106	70	Public
University of Notre Dame	184,061	107	37	Private
Kansas State University	183,513	108	71	Public
Wake Forest University	181,876	109	38	Private
University of Connecticut - Storrs	180,929	110	72	Public
University of South Carolina - Columbia	180,127	111	73	Public
University of Delaware	176,455	112	74	Public
West Virginia University	175,403	113	75	Public
University of Nebraska Medical Center	171,491	114	76	Public
University of Louisville	168,906	115	77	Public
University of Central Florida	168,630	116	78	Public
Auburn University	167,352	117	79	Public
Tulane University	167,338	118	39	Private
University of Kansas - Lawrence	164,772	119	80	Public
Rice University	163,312	120	40	Private
University of California - Riverside	159,305	121	81	Public
Oklahoma State University - Stillwater	152,605	122	82	Public
University of Alaska - Fairbanks	150,064	123	83	Public
University of Houston - University Park	149,795	124	84	Public
North Dakota State University	149,230	125	85	Public
Florida International University	146,431	126	86	Public
Texas Tech University	144,898	127	87	Public
Clemson University	144,728	128	88	Public
Thomas Jefferson University	142,569	129	41	Private
University at Albany	140,392	130	89	Public
University of Arkansas - Fayetteville	135,925	131	90	Public
Northeastern University	134,827	132	42	Private
University of New Hampshire - Durham	133,592	133	91	Public
Georgia State University	133,242	134	92	Public
Drexel University	132,507	135	43	Private
University of Arkansas for Medical Sciences	128,508	136	93	Public
University of Oklahoma - Norman	128,254	137	94	Public
University of Dayton	127,207	138	44	Private
University of Oklahoma - Health Sciences Center	122,373	139	95	Public
University of Wyoming	121,927	140	96	Public
University of California - Santa Cruz	119,990	141	97	Public
Montana State University - Bozeman	118,221	142	98	Public
University of Vermont	117,433	143	99	Public
University of Idaho	105,475	144	100	Public
University of Texas - Dallas	105,140	145	101	Public
New Mexico State University - Las Cruces	103,693	146	102	Public
New Jersey Institute of Technology	101,334	147	103	Public
Pennsylvania State University - Hershey Medical Ctr.	100,851	148	104	Public
Augusta University	99,637	149	105	Public
University of Nevada - Reno	99,156	150	106	Public

The Top 200 Institutions – Total Research Expenditures (2017)

Top 151-200 Institutions in Total Research Expenditures	Total Research x \$1000	National Rank	Control Rank	Institutional Control
University of Maine - Orono	98,748	151	107	Public
George Mason University	98,488	152	108	Public
Cold Spring Harbor Laboratory	97,288	153	45	Private
Rensselaer Polytechnic Institute	96,533	154	46	Private
University of Rhode Island	95,197	155	109	Public
University of North Dakota	91,958	156	110	Public
University of Alabama - Huntsville	89,392	157	111	Public
Binghamton University	88,735	158	112	Public
University of Kansas Medical Center	86,368	159	113	Public
University of Montana - Missoula	84,109	160	114	Public
University of Texas - El Paso	83,892	161	115	Public
University of Texas - Arlington	82,065	162	116	Public
University of Louisiana - Lafayette	78,780	163	117	Public
Syracuse University	78,329	164	47	Private
Cleveland State University	77,518	165	118	Public
University of Connecticut - Health Center	76,247	166	119	Public
Rush University	74,062	167	48	Private
University of Tennessee Health Science Center	73,393	168	120	Public
University of Oregon	72,517	169	121	Public
San Diego State University	70,862	170	122	Public
University of Maryland - Baltimore County	69,926	171	123	Public
Michigan Technological University	68,681	172	124	Public
Wichita State University	65,491	173	125	Public
University of Texas - San Antonio	64,143	174	126	Public
South Dakota State University	63,328	175	127	Public
Brandeis University	62,745	176	49	Private
University of Massachusetts - Lowell	60,735	177	128	Public
University of Mississippi Medical Center	60,548	178	129	Public
Wright State University - Dayton	59,263	179	130	Public
Colorado School of Mines	58,175	180	131	Public
Ohio University - Athens	57,321	181	132	Public
Old Dominion University	54,635	182	133	Public
Univ. of Maryland Center for Environmental Science	54,491	183	134	Public
College of William and Mary	54,197	184	135	Public
University of Mississippi - Oxford	54,126	185	136	Public
City University of NY - City College	53,738	186	137	Public
Saint Louis University - St. Louis	53,643	187	50	Private
University of Nevada - Las Vegas	53,073	188	138	Public
Naval Postgraduate School	52,404	189	139	Public
University of Alabama - Tuscaloosa	52,151	190	140	Public
Indiana University-Purdue University - Indianapolis	51,783	191	141	Public
University of Southern Mississippi	49,769	192	142	Public
University of North Texas Health Science Center	48,476	193	143	Public
Southern Illinois University - Carbondale	48,416	194	144	Public
University of Wisconsin - Milwaukee	48,017	195	145	Public
University of Toledo	46,697	196	146	Public
University of California System Admin Central Office	46,399	197	147	Public
Northern Arizona University	45,572	198	148	Public
Rochester Institute of Technology	45,563	199	51	Private
Howard University	44,613	200	52	Private

The Top 200 Institutions – Federal Research Expenditures (2017)

Top 1-50 Institutions in Federal Research Expenditures	Federal Research x \$1000	National Rank	Control Rank	Institutional Control
Johns Hopkins University	2,173,734	1	1	Private
University of Washington - Seattle	912,856	2	1	Public
University of Michigan - Ann Arbor	822,436	3	2	Public
Stanford University	684,928	4	2	Private
University of North Carolina - Chapel Hill	657,879	5	3	Public
University of Pennsylvania	653,405	6	3	Private
University of California - San Diego	639,643	7	4	Public
Columbia University	632,994	8	4	Private
Duke University	622,174	9	5	Private
University of Pittsburgh - Pittsburgh	612,754	10	5	Public
University of California - San Francisco	606,768	11	6	Public
Georgia Institute of Technology	578,107	12	7	Public
Harvard University	565,269	13	6	Private
University of Wisconsin - Madison	552,983	14	8	Public
Yale University	531,995	15	7	Private
Massachusetts Institute of Technology	484,597	16	8	Private
University of California - Los Angeles	479,799	17	9	Public
Pennsylvania State University - University Park	477,111	18	10	Public
Washington University in St. Louis	468,637	19	9	Private
University of Minnesota - Twin Cities	448,814	20	11	Public
Vanderbilt University	442,669	21	10	Private
Northwestern University	438,732	22	11	Private
University of Southern California	436,515	23	12	Private
Ohio State University - Columbus	427,154	24	12	Public
Emory University	381,151	25	13	Private
University of Texas - Austin	377,389	26	13	Public
New York University	369,947	27	14	Private
Icahn School of Medicine at Mount Sinai	367,522	28	15	Private
University of Maryland - College Park	361,269	29	14	Public
University of Colorado - Boulder	359,462	30	15	Public
University of Alabama - Birmingham	356,303	31	16	Public
University of Illinois - Urbana-Champaign	344,657	32	17	Public
University of California - Davis	337,995	33	18	Public
Michigan State University	329,533	34	19	Public
University of California - Berkeley	326,548	35	20	Public
Case Western Reserve University	325,354	36	16	Private
Rutgers University - New Brunswick	316,118	37	21	Public
University of Florida	314,187	38	22	Public
University of Colorado - Denver/Anschutz Medical	305,473	39	23	Public
University of Chicago	302,361	40	17	Private
Texas A&M University - College Station	294,602	41	24	Public
Baylor College of Medicine	292,806	42	18	Private
Cornell University	279,525	43	19	Private
California Institute of Technology	272,323	44	20	Private
University of Arizona	269,201	45	25	Public
University of Rochester	267,040	46	21	Private
Boston University	253,828	47	22	Private
Scripps Research Institute	250,090	48	23	Private
Oregon Health & Science University	243,495	49	26	Public
Indiana University - Bloomington	241,350	50	27	Public

The Top 200 Institutions – Federal Research Expenditures (2017)

Top 51-100 Institutions in Federal Research Expenditures	Federal Research x \$1000	National Rank	Control Rank	Institutional Control
University of Cincinnati - Cincinnati	239,659	51	28	Public
University of Iowa	236,679	52	29	Public
University of South Florida - Tampa	234,871	53	30	Public
Colorado State University - Fort Collins	232,405	54	31	Public
Purdue University - West Lafayette	224,965	55	32	Public
University of Utah	218,405	56	33	Public
University of Virginia	215,193	57	34	Public
Arizona State University	214,845	58	35	Public
University of Maryland - Baltimore	214,270	59	36	Public
North Carolina State University	213,544	60	37	Public
Uniformed Services University of the Health Sciences	204,241	61	38	Public
University of Massachusetts Medical Sch - Worcester	200,232	62	39	Public
University of Texas SW Medical Center - Dallas	200,085	63	40	Public
University of Miami	193,549	64	24	Private
Carnegie Mellon University	189,974	65	25	Private
Yeshiva University	189,075	66	26	Private
University of Illinois - Chicago	188,730	67	41	Public
University at Buffalo	184,313	68	42	Public
University of Hawaii - Manoa	181,750	69	43	Public
Virginia Polytechnic Institute and State University	181,379	70	44	Public
University of California - Irvine	178,789	71	45	Public
Princeton University	175,485	72	27	Private
University of Kentucky	168,347	73	46	Public
University of Texas MD Anderson Cancer Center	166,552	74	47	Public
University of New Mexico - Albuquerque	159,583	75	48	Public
Oregon State University	157,708	76	49	Public
Weill Cornell Medical College	155,830	77	28	Private
University of Georgia	153,279	78	50	Public
Woods Hole Oceanographic Institution	148,491	79	29	Private
Wake Forest University	147,746	80	30	Private
George Washington University	144,567	81	31	Private
Temple University	143,636	82	51	Public
University of Tennessee - Knoxville	142,549	83	52	Public
Brown University	141,864	84	32	Private
Tufts University	138,004	85	33	Private
Utah State University	137,295	86	53	Public
Dartmouth College	136,977	87	34	Private
Medical University of South Carolina	134,072	88	54	Public
Washington State University - Pullman	133,308	89	55	Public
Virginia Commonwealth University	127,341	90	56	Public
Iowa State University	125,607	91	57	Public
Stony Brook University	125,150	92	58	Public
University of Texas Health Science Center - Houston	124,461	93	59	Public
Florida State University	118,359	94	60	Public
University of California - Santa Barbara	113,173	95	61	Public
University of Delaware	113,031	96	62	Public
University of Dayton	112,584	97	35	Private
Medical College of Wisconsin	108,276	98	36	Private
Wayne State University	106,865	99	63	Public
University of Missouri - Columbia	106,804	100	64	Public

The Top 200 Institutions – Federal Research Expenditures (2017)

Top 101-150 Institutions in Federal Research Expenditures	Federal Research x \$1000	National Rank	Control Rank	Institutional Control
University of Texas Medical Branch - Galveston	104,458	101	65	Public
University of Massachusetts - Amherst	101,992	102	66	Public
University of Nebraska - Lincoln	99,956	103	67	Public
University of Connecticut - Storrs	99,884	104	68	Public
University of Alaska - Fairbanks	95,467	105	69	Public
Tulane University	93,747	106	37	Private
Georgetown University	93,224	107	38	Private
Northeastern University	90,190	108	39	Private
University of Notre Dame	90,038	109	40	Private
University of South Carolina - Columbia	89,565	110	70	Public
Mississippi State University	87,435	111	71	Public
Rockefeller University	86,763	112	41	Private
University of Kansas - Lawrence	85,807	113	72	Public
University of New Hampshire - Durham	85,714	114	73	Public
University of Texas Health Science Ctr. - San Antonio	85,455	115	74	Public
University of Nebraska Medical Center	84,814	116	75	Public
Rice University	83,894	117	42	Private
University of Central Florida	82,777	118	76	Public
University at Albany	82,551	119	77	Public
Louisiana State University - Baton Rouge	80,044	120	78	Public
University of Vermont	78,383	121	79	Public
University of California - Riverside	75,920	122	80	Public
Kansas State University	72,321	123	81	Public
University of Oklahoma - Norman	70,348	124	82	Public
West Virginia University	70,256	125	83	Public
University of Louisville	69,722	126	84	Public
Drexel University	69,326	127	43	Private
University of Alabama - Huntsville	68,259	128	85	Public
Montana State University - Bozeman	66,449	129	86	Public
Florida International University	66,351	130	87	Public
University of California - Santa Cruz	65,133	131	88	Public
New Jersey Institute of Technology	64,840	132	89	Public
Clemson University	62,920	133	90	Public
Thomas Jefferson University	62,029	134	44	Private
University of Rhode Island	59,623	135	91	Public
New Mexico State University - Las Cruces	59,087	136	92	Public
University of Houston - University Park	57,263	137	93	Public
University of Oregon	57,092	138	94	Public
University of Wyoming	56,178	139	95	Public
University of Oklahoma - Health Sciences Center	56,162	140	96	Public
Georgia State University	54,842	141	97	Public
Auburn University	54,693	142	98	Public
Cold Spring Harbor Laboratory	54,260	143	45	Private
University of Nevada - Reno	53,438	144	99	Public
George Mason University	52,432	145	100	Public
Cleveland State University	52,317	146	101	Public
University of Maryland - Baltimore County	52,008	147	102	Public
Rush University	51,532	148	46	Private
University of Arkansas for Medical Sciences	51,298	149	103	Public
Pennsylvania State University - Hershey Medical Ctr.	51,070	150	104	Public

The Top 200 Institutions – Federal Research Expenditures (2017)

Top 151-200 Institutions in Federal Research Expenditures	Federal Research x \$1000	National Rank	Control Rank	Institutional Control
Augusta University	48,921	151	105	Public
University of Idaho	48,879	152	106	Public
Rensselaer Polytechnic Institute	47,749	153	47	Private
Brandeis University	44,819	154	48	Private
University of Montana - Missoula	44,465	155	107	Public
University of Texas - El Paso	43,759	156	108	Public
Oklahoma State University - Stillwater	42,331	157	109	Public
Naval Postgraduate School	42,246	158	110	Public
University of Arkansas - Fayetteville	42,198	159	111	Public
University of Connecticut - Health Center	42,093	160	112	Public
State Univ. of New York - Polytechnic Institute	41,247	161	113	Public
University of North Dakota	40,845	162	114	Public
University of Kansas Medical Center	40,302	163	115	Public
University of Tennessee Health Science Center	39,138	164	116	Public
San Diego State University	37,226	165	117	Public
University of Maine - Orono	37,189	166	118	Public
Colorado School of Mines	36,650	167	119	Public
Wright State University - Dayton	35,514	168	120	Public
University of Texas - Dallas	35,244	169	121	Public
City University of NY - City College	34,718	170	122	Public
U.S. Air Force Academy	34,664	171	123	Public
North Dakota State University	34,134	172	124	Public
Howard University	33,893	173	49	Private
Old Dominion University	32,898	174	125	Public
Syracuse University	31,902	175	50	Private
University of Mississippi Medical Center	31,725	176	126	Public
University of Texas - Arlington	30,588	177	127	Public
San Jose State University	30,063	178	128	Public
University of Puerto Rico - Medical Sciences	29,869	179	129	Public
University of Mississippi - Oxford	29,507	180	130	Public
Morehouse School of Medicine	28,792	181	51	Private
University of Texas - San Antonio	28,650	182	131	Public
University of Nevada - Las Vegas	28,460	183	132	Public
Michigan Technological University	28,332	184	133	Public
University of Massachusetts - Lowell	28,078	185	134	Public
College of William and Mary	28,062	186	135	Public
Louisiana State University HSC - New Orleans	28,018	187	136	Public
South Dakota State University	27,940	188	137	Public
Florida A&M University	27,899	189	138	Public
Saint Louis University - St. Louis	27,005	190	52	Private
Boston College	26,937	191	53	Private
Stevens Institute of Technology	26,438	192	54	Private
University of North Texas Health Science Center	26,368	193	139	Public
Illinois Institute of Technology	26,191	194	55	Private
University of Southern Mississippi	26,104	195	140	Public
Northern Arizona University	25,615	196	141	Public
Air Force Institute of Technology	25,558	197	142	Public
University of Alabama - Tuscaloosa	24,344	198	143	Public
Rochester Institute of Technology	23,913	199	56	Private
Portland State University	23,645	200	144	Public

The Top 200 Institutions – Endowment Assets (2018)

Top 1-50 Institutions in Endowment Assets	Endowment Assets x \$1000	National Rank	Control Rank	Institutional Control
Harvard University	38,298,087	1	1	Private
Yale University	29,351,100	2	2	Private
Stanford University	26,464,912	3	3	Private
Princeton University	25,917,199	4	4	Private
Massachusetts Institute of Technology	16,529,432	5	5	Private
University of Pennsylvania	13,777,441	6	6	Private
University of Texas - Austin	13,750,233	7	1	Public
Texas A&M University - College Station	12,792,244	8	2	Public
University of Michigan - Ann Arbor	11,901,760	9	3	Public
Northwestern University	11,087,659	10	7	Private
Columbia University	10,869,245	11	8	Private
University of Notre Dame	10,727,653	12	9	Private
Duke University	8,524,846	13	10	Private
University of Chicago	7,928,485	14	11	Private
Washington University in St. Louis	7,594,159	15	12	Private
Emory University	7,292,165	16	13	Private
University of Virginia	6,856,309	17	4	Public
Rice University	6,277,506	18	14	Private
Cornell University	5,632,397	19	15	Private
University of Southern California	5,549,556	20	16	Private
Dartmouth College	5,494,204	21	17	Private
Ohio State University - Columbus	5,211,434	22	5	Public
University of California - Berkeley	4,730,836	23	6	Public
Vanderbilt University	4,608,461	24	18	Private
University of California - Los Angeles	4,608,029	25	7	Public
New York University	4,262,116	26	19	Private
University of Pittsburgh - Pittsburgh	4,200,206	27	8	Public
Johns Hopkins University	4,190,520	28	20	Private
University of Minnesota - Twin Cities	3,717,476	29	9	Public
Brown University	3,603,848	30	21	Private
University of North Carolina - Chapel Hill	3,432,911	31	10	Public
University of Wisconsin - Madison	3,365,989	32	11	Public
Michigan State University	3,275,887	33	12	Public
University of California - San Francisco	3,212,862	34	13	Public
California Institute of Technology	2,879,494	35	22	Private
University of Washington - Seattle	2,764,166	36	14	Public
Williams College	2,749,653	37	23	Private
Purdue University - West Lafayette	2,523,770	38	15	Public
University of Richmond	2,511,584	39	24	Private
Boston College	2,477,700	40	25	Private
Carnegie Mellon University	2,385,986	41	26	Private
Amherst College	2,377,537	42	27	Private
Pennsylvania State University - University Park	2,340,887	43	16	Public
Pomona College	2,272,206	44	28	Private
Rockefeller University	2,194,245	45	29	Private
University of Rochester	2,177,868	46	30	Private
Boston University	2,161,596	47	31	Private
Swarthmore College	2,115,768	48	32	Private
Wellesley College	2,105,212	49	33	Private
Georgia Institute of Technology	2,089,440	50	17	Public

The Top 200 Institutions – Endowment Assets (2018)

Top 51-100 Institutions in Endowment Assets	Endowment Assets x \$1000	National Rank	Control Rank	Institutional Control
Grinnell College	1,991,605	51	34	Private
University of Texas SW Medical Center - Dallas	1,990,654	52	18	Public
Brigham Young University - Provo	1,974,414	53	35	Private
Virginia Commonwealth University	1,951,337	54	19	Public
Smith College	1,875,093	55	36	Private
Tufts University	1,845,956	56	37	Private
Case Western Reserve University	1,842,899	57	38	Private
University of Illinois - Urbana-Champaign	1,800,156	58	20	Public
George Washington University	1,798,810	59	39	Private
Georgetown University	1,769,557	60	40	Private
University of Florida	1,734,661	61	21	Public
Texas Christian University	1,632,901	62	41	Private
Southern Methodist University	1,632,795	63	42	Private
Bowdoin College	1,628,165	64	43	Private
University of California - San Diego	1,625,687	65	22	Public
Washington and Lee University	1,603,114	66	44	Private
Weill Cornell Medical College	1,597,894	67	45	Private
University of Iowa	1,500,456	68	23	Public
University of California - Davis	1,416,342	69	24	Public
University of Delaware	1,413,197	70	25	Public
University of Texas MD Anderson Cancer Center	1,393,379	71	26	Public
Tulane University	1,384,371	72	46	Private
University of Cincinnati - Cincinnati	1,367,000	73	27	Public
University of Kentucky	1,361,246	74	28	Public
Lehigh University	1,353,116	75	47	Private
University of Kansas - Lawrence	1,342,128	76	29	Public
Wake Forest University	1,339,003	77	48	Private
Syracuse University	1,338,287	78	49	Private
Trinity University	1,320,358	79	50	Private
Baylor University	1,312,753	80	51	Private
North Carolina State University	1,293,743	81	30	Public
University of Georgia	1,274,343	82	31	Public
Baylor College of Medicine	1,272,276	83	52	Private
Saint Louis University - St. Louis	1,226,095	84	53	Private
Berea College	1,192,078	85	54	Private
University of Utah	1,186,952	86	32	Public
University of Arkansas - Fayetteville	1,185,715	87	33	Public
Indiana University - Purdue University - Indianapolis	1,177,984	88	34	Public
University of Oklahoma - Norman	1,164,539	89	35	Public
Indiana University - Bloomington	1,154,032	90	36	Public
Virginia Polytechnic Institute and State University	1,146,055	91	37	Public
Middlebury College	1,124,144	92	55	Private
Princeton Theological Seminary	1,119,689	93	56	Private
Juilliard School	1,106,640	94	57	Private
Rutgers University - New Brunswick	1,094,224	95	38	Public
University of Tulsa	1,093,042	96	58	Private
Vassar College	1,082,831	97	59	Private
Iowa State University	1,062,682	98	39	Public
Brandeis University	1,046,386	99	60	Private
Washington State University - Pullman	1,024,380	100	40	Public

The Top 200 Institutions – Endowment Assets (2018)

Top 101-150 Institutions in Endowment Assets	Endowment Assets x \$1000	National Rank	Control Rank	Institutional Control
University of Miami	1,021,508	101	61	Private
MCPHS University	1,020,134	102	62	Private
Loma Linda University	1,015,224	103	63	Private
University of Missouri - Columbia	1,005,121	104	41	Public
Wesleyan University	990,125	105	64	Private
University of Alabama - Tuscaloosa	989,338	106	42	Public
Santa Clara University	979,248	107	65	Private
University of Nebraska - Lincoln	978,745	108	43	Public
Berry College	976,754	109	66	Private
University of California - Irvine	972,185	110	44	Public
Hamilton College (NY)	964,169	111	67	Private
University of Arizona	959,632	112	45	Public
College of William and Mary	935,524	113	46	Public
Colgate University	934,827	114	68	Private
Medical College of Wisconsin	930,961	115	69	Private
Rochester Institute of Technology	920,635	116	70	Private
University of Oregon	912,512	117	47	Public
Oberlin College	905,947	118	71	Private
Bryn Mawr College	893,465	119	72	Private
Pepperdine University	891,846	120	73	Private
Carleton College	878,494	121	74	Private
Bucknell University	851,309	122	75	Private
Denison University	836,357	123	76	Private
Claremont McKenna College	835,306	124	77	Private
Northeastern University	831,129	125	78	Private
Lafayette College	830,637	126	79	Private
Colby College	828,013	127	80	Private
Cooper Union for the Advancement of Science & Art	826,315	128	81	Private
Davidson College	821,776	129	82	Private
College of the Holy Cross	783,207	130	83	Private
Drexel University	779,692	131	84	Private
Mount Holyoke College	777,739	132	85	Private
Texas Tech University	775,595	133	48	Public
Macalester College	767,522	134	86	Private
Auburn University	767,361	135	49	Public
University of Denver	761,952	136	87	Private
University of South Carolina - Columbia	761,784	137	50	Public
St. John's University (NY)	756,099	138	88	Private
Icahn School of Medicine at Mount Sinai	748,174	139	89	Private
Oregon Health & Science University	745,744	140	51	Public
Clemson University	741,802	141	52	Public
DePauw University	730,850	142	90	Private
Colorado College	729,897	143	91	Private
Fordham University	729,179	144	92	Private
University at Buffalo	725,000	145	53	Public
Arizona State University	720,565	146	54	Public
National University	720,197	147	93	Private
Rensselaer Polytechnic Institute	718,199	148	94	Private
Villanova University	715,650	149	95	Private
University of Louisville	712,295	150	55	Public

The Top 200 Institutions – Endowment Assets (2018)

Top 151-200 Institutions in Endowment Assets	Endowment Assets x \$1000	National Rank	Control Rank	Institutional Control
University of Tennessee - Knoxville	709,776	151	56	Public
Furman University	702,855	152	96	Private
American University	695,025	153	97	Private
Howard University	688,562	154	98	Private
Principia College	686,710	155	99	Private
Florida State University	681,370	156	57	Public
Marquette University	668,567	157	100	Private
Hillsdale College	668,451	158	101	Private
University of Colorado - Boulder	655,576	159	58	Public
Yeshiva University	647,619	160	102	Private
Loyola University Chicago	643,806	161	103	Private
Oklahoma State University - Stillwater	642,900	162	59	Public
Temple University	642,326	163	60	Public
University of Houston - University Park	641,843	164	61	Public
University of Mississippi - Oxford	627,554	165	62	Public
Trinity College (CT)	614,782	166	104	Private
University of Maryland - College Park	605,540	167	63	Public
Rush University	602,792	168	105	Private
Oregon State University	595,763	169	64	Public
DePaul University	593,407	170	106	Private
West Virginia University	593,085	171	65	Public
University of Texas Health Science Ctr. - San Antonio	592,869	172	66	Public
Reed College	577,790	173	107	Private
Hofstra University	573,574	174	108	Private
University of Texas Medical Branch - Galveston	573,320	175	67	Public
University of Oklahoma - Health Sciences Center	570,988	176	68	Public
Ohio University - Athens	568,907	177	69	Public
Creighton University	568,813	178	109	Private
University of Dayton	568,374	179	110	Private
University of Colorado - Denver/Anschutz Medical	564,690	180	70	Public
Whitman College	561,010	181	111	Private
University of Vermont	554,985	182	71	Public
University of South Alabama - Mobile	552,027	183	72	Public
University of Wyoming	550,909	184	73	Public
Pennsylvania State University - Hershey Medical Ctr.	550,797	185	74	Public
Miami University - Oxford	534,686	186	75	Public
University of Texas - Dallas	531,369	187	76	Public
St. Olaf College	530,828	188	112	Private
University of San Diego	529,997	189	113	Private
University of Texas Health Science Center - Houston	528,594	190	77	Public
Quinnipiac University	526,568	191	114	Private
Haverford College	521,538	192	115	Private
Worcester Polytechnic Institute	519,631	193	116	Private
University of St. Thomas (MN)	518,710	194	117	Private
College of the Ozarks	509,083	195	118	Private
Mississippi State University	506,138	196	78	Public
University of Alabama - Birmingham	504,530	197	79	Public
Louisiana State University - Baton Rouge	499,341	198	80	Public
Virginia Military Institute	491,862	199	81	Public
Wheaton College (IL)	489,131	200	119	Private

The Top 200 Institutions – Annual Giving (2018)

Top 1-50 Institutions in Annual Giving	Annual Giving x \$1000	National Rank	Control Rank	Institutional Control
Harvard University	1,418,702	1	1	Private
Stanford University	1,097,061	2	2	Private
Columbia University	1,009,762	3	3	Private
University of California - Los Angeles	786,651	4	1	Public
University of California - San Francisco	730,268	5	2	Public
Johns Hopkins University	723,599	6	4	Private
University of Pennsylvania	717,529	7	5	Private
University of Washington - Seattle	681,053	8	3	Public
University of Southern California	649,971	9	6	Private
Yale University	585,947	10	7	Private
University of Chicago	576,038	11	8	Private
Duke University	516,890	12	9	Private
University of Notre Dame	502,771	13	10	Private
New York University	502,407	14	11	Private
University of Michigan - Ann Arbor	490,035	15	4	Public
Massachusetts Institute of Technology	469,933	16	12	Private
Ohio State University - Columbus	436,974	17	5	Public
University of California - Berkeley	419,366	18	6	Public
Cornell University	410,909	19	13	Private
Northwestern University	397,113	20	14	Private
University of North Carolina - Chapel Hill	374,534	21	7	Public
University of Minnesota - Twin Cities	367,442	22	8	Public
University of Texas - Austin	357,950	23	9	Public
Washington University in St. Louis	346,973	24	15	Private
University of Florida	339,867	25	10	Public
Texas A&M University - College Station	305,657	26	11	Public
University of California - San Diego	280,002	27	12	Public
University of Arizona	277,938	28	13	Public
University of Virginia	275,712	29	14	Public
University of Wisconsin - Madison	274,966	30	15	Public
Dartmouth College	272,619	31	16	Private
Princeton University	269,924	32	17	Private
Emory University	252,223	33	18	Private
Indiana University - Bloomington	243,443	34	16	Public
California Institute of Technology	236,010	35	19	Private
University of Utah	234,016	36	17	Public
Brown University	233,812	37	20	Private
University of Illinois - Urbana-Champaign	233,316	38	18	Public
University of Arkansas - Fayetteville	221,916	39	19	Public
Arizona State University	206,024	40	20	Public
Pennsylvania State University - University Park	205,747	41	21	Public
University of California - Irvine	203,370	42	22	Public
University of Oregon	193,186	43	23	Public
Purdue University - West Lafayette	192,303	44	24	Public
Michigan State University	180,918	45	25	Public
University of Miami	180,100	46	21	Private
Wake Forest University	178,098	47	22	Private
Vanderbilt University	173,651	48	23	Private
University of California - Davis	172,062	49	26	Public
University of Georgia	170,352	50	27	Public

The Top 200 Institutions – Annual Giving (2018)

Top 51-100 Institutions in Annual Giving	Annual Giving x \$1000	National Rank	Control Rank	Institutional Control
Iowa State University	168,921	51	28	Public
University of Colorado - Denver/Anschutz Medical	167,184	52	29	Public
North Carolina State University	165,054	53	30	Public
Rutgers University - New Brunswick	159,477	54	31	Public
Boston University	158,458	55	24	Private
Georgetown University	153,404	56	25	Private
University of Kentucky	149,327	57	32	Public
Oregon Health & Science University	148,906	58	33	Public
University of Texas MD Anderson Cancer Center	148,283	59	34	Public
University of Colorado - Boulder	148,257	60	35	Public
University of Missouri - Columbia	147,709	61	36	Public
University of Kansas - Lawrence	146,788	62	37	Public
Carnegie Mellon University	145,694	63	26	Private
Georgia Institute of Technology	140,439	64	38	Public
University of Iowa	135,616	65	39	Public
Virginia Polytechnic Institute and State University	132,907	66	40	Public
University of Pittsburgh - Pittsburgh	130,049	67	41	Public
University of Alabama - Tuscaloosa	126,990	68	42	Public
University of Maryland - College Park	124,853	69	43	Public
Icahn School of Medicine at Mount Sinai	124,788	70	27	Private
Indiana University - Purdue University - Indianapolis	124,581	71	44	Public
Boston College	124,115	72	28	Private
Auburn University	120,435	73	45	Public
University of Cincinnati - Cincinnati	120,086	74	46	Public
University of Nebraska - Lincoln	117,989	75	47	Public
University of Texas SW Medical Center - Dallas	115,719	76	48	Public
Rice University	114,496	77	29	Private
University of Rochester	113,327	78	30	Private
Case Western Reserve University	113,012	79	31	Private
University of South Carolina - Columbia	110,419	80	49	Public
Louisiana State University - Baton Rouge	110,268	81	50	Public
Oregon State University	109,726	82	51	Public
West Virginia University	108,376	83	52	Public
University of Oklahoma - Norman	107,297	84	53	Public
Kansas State University	106,979	85	54	Public
Southern Methodist University	105,620	86	32	Private
Clemson University	103,855	87	55	Public
Tulane University	103,705	88	33	Private
University of Tennessee - Knoxville	103,170	89	56	Public
University of Houston - University Park	98,061	90	57	Public
Weill Cornell Medical College	96,386	91	34	Private
University of Nebraska Medical Center	96,300	92	58	Public
Texas Christian University	95,566	93	35	Private
Villanova University	94,756	94	36	Private
Kenyon College	94,311	95	37	Private
University of California - Santa Barbara	92,563	96	59	Public
Syracuse University	91,899	97	38	Private
Drexel University	86,782	98	39	Private
Williams College	86,685	99	40	Private
Oklahoma State University - Stillwater	85,240	100	60	Public

The Top 200 Institutions – Annual Giving (2018)

Top 101-150 Institutions in Annual Giving	Annual Giving x \$1000	National Rank	Control Rank	Institutional Control
Washington State University - Pullman	85,128	101	61	Public
Gonzaga University	83,361	102	41	Private
Florida State University	82,281	103	62	Public
Mississippi State University	80,588	104	63	Public
University of Louisville	79,121	105	64	Public
Colorado State University - Fort Collins	79,063	106	65	Public
University of Alabama - Birmingham	78,934	107	66	Public
Baylor University	77,897	108	42	Private
San Diego State University	77,190	109	67	Public
Wayne State University	77,076	110	68	Public
Temple University	76,685	111	69	Public
George Washington University	76,683	112	43	Private
University of New Mexico - Albuquerque	75,639	113	70	Public
Vassar College	73,765	114	44	Private
College of William and Mary	72,727	115	71	Public
Virginia Commonwealth University	71,054	116	72	Public
Rockefeller University	70,811	117	45	Private
Tufts University	70,564	118	46	Private
University of Texas Medical Branch - Galveston	69,410	119	73	Public
George Mason University	68,556	120	74	Public
University of Mississippi - Oxford	66,207	121	75	Public
Texas Tech University	61,943	122	76	Public
Medical University of South Carolina	61,089	123	77	Public
Smith College	59,897	124	47	Private
Wellesley College	59,820	125	48	Private
Fordham University	58,201	126	49	Private
Brandeis University	57,869	127	50	Private
Baylor College of Medicine	57,654	128	51	Private
University of Illinois - Chicago	57,134	129	78	Public
University of Maryland - Baltimore	57,074	130	79	Public
University of Texas Health Science Center - Houston	56,482	131	80	Public
Colby College	56,433	132	52	Private
Thomas Jefferson University	56,281	133	53	Private
University of South Florida - Tampa	56,208	134	81	Public
University at Buffalo	55,829	135	82	Public
Davidson College	54,910	136	54	Private
University of Nevada - Las Vegas	54,835	137	83	Public
Washington and Lee University	53,810	138	55	Private
Pennsylvania State University - Hershey Medical Ctr.	53,311	139	84	Public
Marquette University	52,387	140	56	Private
Lehigh University	52,354	141	57	Private
Stony Brook University	52,223	142	85	Public
University of Tulsa	52,048	143	58	Private
University of Connecticut - Storrs	49,705	144	86	Public
University of Texas - Dallas	48,689	145	87	Public
Northeastern University	48,254	146	59	Private
University of Delaware	48,165	147	88	Public
University of Wyoming	47,933	148	89	Public
U.S. Military Academy	45,626	149	90	Public
Old Dominion University	45,461	150	91	Public

The Top 200 Institutions – Annual Giving (2018)

Top 151-200 Institutions in Annual Giving	Annual Giving x \$1000	National Rank	Control Rank	Institutional Control
Berea College	45,229	151	60	Private
Rensselaer Polytechnic Institute	45,185	152	61	Private
Carleton College	44,345	153	62	Private
University of Nevada - Reno	43,455	154	92	Public
University of Hawaii - Manoa	42,970	155	93	Public
Saint Louis University - St. Louis	42,467	156	63	Private
Creighton University	42,414	157	64	Private
University of Texas Health Science Ctr. - San Antonio	42,085	158	94	Public
Amherst College	42,076	159	65	Private
University of Vermont	41,776	160	95	Public
University of Montana - Missoula	41,397	161	96	Public
Saint Norbert College	41,353	162	66	Private
University of Denver	41,214	163	67	Private
Citadel Military College of South Carolina	40,946	164	97	Public
Middlebury College	40,824	165	68	Private
University of Massachusetts - Amherst	40,530	166	98	Public
Santa Clara University	39,911	167	69	Private
Babson College	39,467	168	70	Private
University of Central Florida	39,060	169	99	Public
University of Kansas Medical Center	39,019	170	100	Public
Claremont McKenna College	39,007	171	71	Private
Connecticut College	38,739	172	72	Private
Bryn Mawr College	38,592	173	73	Private
Portland State University	38,476	174	101	Public
Haverford College	38,395	175	74	Private
Bucknell University	38,234	176	75	Private
Randolph-Macon College	38,129	177	76	Private
University of California - Santa Cruz	38,038	178	102	Public
Wofford College	37,610	179	77	Private
Abilene Christian University	37,386	180	78	Private
Western Michigan University	37,072	181	103	Public
University of North Texas	36,439	182	104	Public
Georgia State University	36,273	183	105	Public
Trinity College (CT)	35,966	184	79	Private
University of Massachusetts Medical Sch. - Worcester	35,953	185	106	Public
Lafayette College	35,619	186	80	Private
Wesleyan University	35,553	187	81	Private
Boise State University	35,409	188	107	Public
University of Alaska - Fairbanks	35,317	189	108	Public
Bowdoin College	35,299	190	82	Private
California Polytechnic State Univ. - San Luis Obispo	35,215	191	109	Public
Kent State University - Kent	35,169	192	110	Public
Mount Holyoke College	35,014	193	83	Private
Wheaton College (IL)	34,961	194	84	Private
University of Dayton	34,768	195	85	Private
Miami University - Oxford	34,645	196	111	Public
Florida International University	34,639	197	112	Public
Swarthmore College	34,390	198	86	Private
College of the Holy Cross	34,362	199	87	Private
Chapman University	34,241	200	88	Private

The Top 200 Institutions – National Academy Membership (2018)

Top 1-49 Institutions in National Academy Membership	Number of Members	National Rank	Control Rank	Institutional Control
Harvard University	408	1	1	Private
Stanford University	338	2	2	Private
Massachusetts Institute of Technology	276	3	3	Private
University of California - Berkeley	227	4	1	Public
Columbia University	141	5	4	Private
University of California - San Francisco	136	6	2	Public
University of Pennsylvania	130	7	5	Private
Yale University	127	8	6	Private
Princeton University	126	9	7	Private
University of Michigan - Ann Arbor	118	10	3	Public
University of California - San Diego	117	11	4	Public
California Institute of Technology	113	12	8	Private
Johns Hopkins University	112	13	9	Private
University of California - Los Angeles	106	14	5	Public
University of Washington - Seattle	104	15	6	Public
University of Texas - Austin	75	16	7	Public
University of Chicago	72	17	10	Private
University of Wisconsin - Madison	72	17	8	Public
Duke University	70	19	11	Private
Cornell University	64	20	12	Private
New York University	57	21	13	Private
Washington University in St. Louis	57	21	13	Private
University of California - Santa Barbara	53	23	9	Public
Rockefeller University	52	24	15	Private
University of Illinois - Urbana-Champaign	51	25	10	Public
Northwestern University	49	26	16	Private
University of California - Davis	48	27	11	Public
University of Minnesota - Twin Cities	45	28	12	Public
University of Southern California	45	28	17	Private
Texas A&M University - College Station	44	30	13	Public
Carnegie Mellon University	39	31	18	Private
University of North Carolina - Chapel Hill	37	32	14	Public
Rutgers University - New Brunswick	35	33	15	Public
University of Texas SW Medical Center - Dallas	35	33	15	Public
Georgia Institute of Technology	34	35	17	Public
University of California - Irvine	34	35	17	Public
Emory University	33	37	19	Private
University of Colorado - Boulder	33	37	19	Public
Vanderbilt University	33	37	19	Private
University of Arizona	32	40	20	Public
Ohio State University - Columbus	31	41	21	Public
Scripps Research Institute	30	42	21	Private
University of Pittsburgh - Pittsburgh	29	43	22	Public
Gerstner Sloan-Kettering Grad. Sch. of Biomed Sci.	28	44	22	Private
Purdue University - West Lafayette	28	44	23	Public
University of Florida	28	44	23	Public
Pennsylvania State University - University Park	27	47	25	Public
Weill Cornell Medical College	26	48	23	Private
University of Utah	25	49	26	Public

The Top 200 Institutions – National Academy Membership (2018)

Top 50-87 Institutions in National Academy Membership	Number of Members	National Rank	Control Rank	Institutional Control
Brown University	24	50	24	Private
Icahn School of Medicine at Mount Sinai	24	50	24	Private
North Carolina State University	24	50	27	Public
Rice University	24	50	24	Private
Baylor College of Medicine	22	54	27	Private
University of Iowa	22	54	28	Public
University of Maryland - College Park	22	54	28	Public
Arizona State University	21	57	30	Public
University of Virginia	21	57	30	Public
Boston University	20	59	28	Private
Case Western Reserve University	20	59	28	Private
University of Rochester	20	59	28	Private
University of Colorado - Denver/Anschutz Medical	16	62	32	Public
University of Texas MD Anderson Cancer Center	16	62	32	Public
Indiana University - Bloomington	15	64	34	Public
Michigan State University	15	64	34	Public
University of Houston - University Park	15	64	34	Public
Dartmouth College	14	67	31	Private
Stony Brook University	14	67	37	Public
University of Miami	13	69	32	Private
Virginia Polytechnic Institute and State University	13	69	38	Public
Yeshiva University	13	69	32	Private
University of Oregon	12	72	39	Public
George Washington University	11	73	34	Private
University of Hawaii - Manoa	11	73	40	Public
Brandeis University	10	75	35	Private
Georgetown University	10	75	35	Private
Iowa State University	10	75	41	Public
Oregon Health & Science University	10	75	41	Public
University of California - Riverside	10	75	41	Public
University of California - Santa Cruz	10	75	41	Public
University of South Florida - Tampa	10	75	41	Public
Colorado State University - Fort Collins	9	82	46	Public
University of Delaware	9	82	46	Public
University of Massachusetts Med. Sch. - Worcester	9	82	46	Public
University of Missouri - Columbia	9	82	46	Public
Washington State University - Pullman	9	82	46	Public
City University of NY - City College	8	87	51	Public
Florida State University	8	87	51	Public
Tufts University	8	87	37	Private
University at Buffalo	8	87	51	Public
University of Cincinnati - Cincinnati	8	87	51	Public
University of Georgia	8	87	51	Public
University of Maryland - Baltimore	8	87	51	Public
University of Massachusetts - Amherst	8	87	51	Public

The Top 200 Institutions – National Academy Membership (2018)

Top 95-122 Institutions in National Academy Membership	Number of Members	National Rank	Control Rank	Institutional Control
Drexel University	7	95	38	Private
Howard University	7	95	38	Private
Rensselaer Polytechnic Institute	7	95	38	Private
University of Alabama - Birmingham	7	95	58	Public
University of Tennessee - Knoxville	7	95	58	Public
Virginia Commonwealth University	7	95	58	Public
Wake Forest University	7	95	38	Private
University of Central Florida	6	102	61	Public
University of Illinois - Chicago	6	102	61	Public
University of Texas Health Science Ctr. - San Antonio	6	102	61	Public
Cold Spring Harbor Laboratory	5	105	42	Private
Lehigh University	5	105	42	Private
Mayo Clinic School of Medicine	5	105	42	Private
Morehouse School of Medicine	5	105	42	Private
Northeastern University	5	105	42	Private
Temple University	5	105	64	Public
Texas Tech University	5	105	64	Public
University of Connecticut - Health Center	5	105	64	Public
University of Kansas - Lawrence	5	105	64	Public
University of New Mexico - Albuquerque	5	105	64	Public
University of Texas Health Science Center - Houston	5	105	64	Public
Colorado School of Mines	4	116	70	Public
Illinois Institute of Technology	4	116	47	Private
Oregon State University	4	116	70	Public
Southern Methodist University	4	116	47	Private
University of Arkansas - Fayetteville	4	116	70	Public
University of Texas Medical Branch - Galveston	4	116	70	Public
Boston College	3	122	49	Private
Clark University (MA)	3	122	49	Private
Florida International University	3	122	74	Public
Hofstra University	3	122	49	Private
Louisiana State University - Baton Rouge	3	122	74	Public
Medical University of South Carolina	3	122	74	Public
Oklahoma State University - Stillwater	3	122	74	Public
Rush University	3	122	49	Private
Rutgers University - Newark	3	122	74	Public
Thomas Jefferson University	3	122	49	Private
Tulane University	3	122	49	Private
Uniformed Services University of the Health Sciences	3	122	74	Public
University of Notre Dame	3	122	49	Private
University of Texas - Arlington	3	122	74	Public
University of Texas - Dallas	3	122	74	Public
Wayne State University	3	122	74	Public
Woods Hole Oceanographic Institution	3	122	49	Private

The Top 200 Institutions – National Academy Membership (2018)

Institutions with 2 National Academy Members	Number of Members	National Rank	Control Rank	Institutional Control
Binghamton University	2	139	83	Public
Brigham Young University - Provo	2	139	57	Private
Chapman University	2	139	57	Private
Clemson University	2	139	83	Public
Drew University	2	139	57	Private
Florida Atlantic University	2	139	83	Public
George Mason University	2	139	83	Public
Medical College of Wisconsin	2	139	57	Private
Meharry Medical College	2	139	57	Private
Montana State University - Bozeman	2	139	83	Public
Naval Postgraduate School	2	139	83	Public
Pennsylvania State University - Hershey Medical Ctr.	2	139	83	Public
Stevens Institute of Technology	2	139	57	Private
University of Arkansas - Little Rock	2	139	83	Public
University of Kansas Medical Center	2	139	83	Public
University of Kentucky	2	139	83	Public
University of Nebraska - Lincoln	2	139	83	Public
University of Nevada - Reno	2	139	83	Public
University of Wyoming	2	139	83	Public
West Virginia University	2	139	83	Public

The Top 200 Institutions – Faculty Awards (2018)

Top 1-49 Institutions in Faculty Awards	Number of Awards	National Rank	Control Rank	Institutional Control
Harvard University	80	1	1	Private
Stanford University	52	2	2	Private
University of Michigan - Ann Arbor	38	3	1	Public
University of California - Berkeley	36	4	2	Public
University of Illinois - Urbana-Champaign	35	5	3	Public
Cornell University	34	6	3	Private
University of California - San Diego	34	6	4	Public
University of California - Los Angeles	32	8	5	Public
New York University	31	9	4	Private
University of Pennsylvania	30	10	5	Private
Johns Hopkins University	29	11	6	Private
Massachusetts Institute of Technology	29	11	6	Private
University of North Carolina - Chapel Hill	28	13	6	Public
Princeton University	27	14	8	Private
University of Texas - Austin	27	14	7	Public
University of Washington - Seattle	27	14	7	Public
Yale University	27	14	8	Private
Northwestern University	25	18	10	Private
Ohio State University - Columbus	25	18	9	Public
University of Minnesota - Twin Cities	25	18	9	Public
Columbia University	24	21	11	Private
University of Wisconsin - Madison	24	21	11	Public
Georgia Institute of Technology	22	23	12	Public
Pennsylvania State University - University Park	22	23	12	Public
University of Chicago	22	23	12	Private
Duke University	21	26	13	Private
University of California - Irvine	21	26	14	Public
University of Pittsburgh - Pittsburgh	21	26	14	Public
Michigan State University	20	29	16	Public
University of Utah	20	29	16	Public
University of California - Davis	19	31	18	Public
University of Maryland - College Park	19	31	18	Public
Virginia Polytechnic Institute and State University	19	31	18	Public
North Carolina State University	18	34	21	Public
Northeastern University	18	34	14	Private
Rutgers University - New Brunswick	18	34	21	Public
University of Rochester	18	34	14	Private
Vanderbilt University	18	34	14	Private
University of Nebraska - Lincoln	17	39	23	Public
University of Southern California	17	39	17	Private
Carnegie Mellon University	16	41	18	Private
Purdue University - West Lafayette	16	41	24	Public
University of California - Riverside	16	41	24	Public
California Institute of Technology	15	44	19	Private
Florida State University	15	44	26	Public
Iowa State University	15	44	26	Public
University of Arizona	15	44	26	Public
University of Massachusetts - Amherst	15	44	26	Public
Emory University	14	49	20	Private
Texas A&M University - College Station	14	49	30	Public
University of Connecticut - Storrs	14	49	30	Public
University of Florida	14	49	30	Public
University of South Florida - Tampa	14	49	30	Public
University of Tennessee - Knoxville	14	49	30	Public

The Top 200 Institutions – Faculty Awards (2018)

Top 55-92 Institutions in Faculty Awards	Number of Awards	National Rank	Control Rank	Institutional Control
Arizona State University	13	55	35	Public
University of California - San Francisco	13	55	35	Public
University of Colorado - Boulder	13	55	35	Public
Dartmouth College	12	58	21	Private
University of Oregon	12	58	38	Public
Washington University in St. Louis	12	58	21	Private
Boston University	11	61	23	Private
Drexel University	11	61	23	Private
University of Arkansas - Fayetteville	11	61	39	Public
University of California - Santa Cruz	11	61	39	Public
University of Texas SW Medical Center - Dallas	11	61	39	Public
Clemson University	10	66	42	Public
Colorado State University - Fort Collins	10	66	42	Public
George Washington University	10	66	25	Private
Indiana University - Bloomington	10	66	42	Public
Rockefeller University	10	66	25	Private
University of Georgia	10	66	42	Public
University of Houston - University Park	10	66	42	Public
University of New Mexico - Albuquerque	10	66	42	Public
Brown University	9	74	27	Private
Case Western Reserve University	9	74	27	Private
Scripps Research Institute	9	74	27	Private
University at Buffalo	9	74	48	Public
University of Illinois - Chicago	9	74	48	Public
University of Iowa	9	74	48	Public
University of Notre Dame	9	74	27	Private
Washington State University - Pullman	9	74	48	Public
Brandeis University	8	82	31	Private
Brigham Young University - Provo	8	82	31	Private
Lehigh University	8	82	31	Private
Texas State University - San Marcos	8	82	52	Public
University of Hawaii - Manoa	8	82	52	Public
University of Kentucky	8	82	52	Public
University of Massachusetts Med. Sch. - Worcester	8	82	52	Public
University of Oklahoma - Norman	8	82	52	Public
University of Virginia	8	82	52	Public
Utah State University	8	82	52	Public
Mayo Clinic School of Medicine	7	92	34	Private
Oregon Health & Science University	7	92	59	Public
Oregon State University	7	92	59	Public
Stony Brook University	7	92	59	Public
Temple University	7	92	59	Public
Tulane University	7	92	34	Private
University of Texas MD Anderson Cancer Center	7	92	59	Public
University of Vermont	7	92	59	Public
Yeshiva University	7	92	34	Private

The Top 200 Institutions – Faculty Awards (2018)

Top 101-128 Institutions in Faculty Awards	Number of Awards	National Rank	Control Rank	Institutional Control
Baylor College of Medicine	6	101	37	Private
College of William and Mary	6	101	65	Public
Icahn School of Medicine at Mount Sinai	6	101	37	Private
Kansas State University	6	101	65	Public
Montana State University - Bozeman	6	101	65	Public
Northern Arizona University	6	101	65	Public
San Diego State University	6	101	65	Public
Texas Tech University	6	101	65	Public
University of California - Santa Barbara	6	101	65	Public
Virginia Commonwealth University	6	101	65	Public
West Virginia University	6	101	65	Public
Florida Atlantic University	5	112	74	Public
Florida International University	5	112	74	Public
Georgia State University	5	112	74	Public
Kent State University - Kent	5	112	74	Public
New Jersey Institute of Technology	5	112	74	Public
Rutgers University - Newark	5	112	74	Public
San Francisco State University	5	112	74	Public
University of Alabama - Tuscaloosa	5	112	74	Public
University of Central Florida	5	112	74	Public
University of Cincinnati - Cincinnati	5	112	74	Public
University of Colorado - Denver/Anschutz Medical	5	112	74	Public
University of Delaware	5	112	74	Public
University of Missouri - Columbia	5	112	74	Public
University of South Carolina - Columbia	5	112	74	Public
Wake Forest University	5	112	39	Private
Wayne State University	5	112	74	Public
Bowdoin College	4	128	40	Private
California Polytechnic State Univ. - San Luis Obispo	4	128	89	Public
City University of NY - Bernard M. Baruch College	4	128	89	Public
City University of NY - City College	4	128	89	Public
College of Charleston	4	128	89	Public
Colorado School of Mines	4	128	89	Public
Indiana University - Purdue University - Indianapolis	4	128	89	Public
Michigan Technological University	4	128	89	Public
Northern Illinois University	4	128	89	Public
Rensselaer Polytechnic Institute	4	128	40	Private
Rice University	4	128	40	Private
Syracuse University	4	128	40	Private
University of Akron - Akron	4	128	89	Public
University of Alabama - Birmingham	4	128	89	Public
University of Alaska - Fairbanks	4	128	89	Public
University of California - Merced	4	128	89	Public
University of Kansas - Lawrence	4	128	89	Public
University of Louisville	4	128	89	Public
University of Maine - Orono	4	128	89	Public
University of Maryland - Baltimore	4	128	89	Public
University of Miami	4	128	40	Private
University of Nevada - Reno	4	128	89	Public
University of North Carolina - Charlotte	4	128	89	Public
University of North Carolina - Greensboro	4	128	89	Public
University of Wyoming	4	128	89	Public
Weill Cornell Medical College	4	128	40	Private
Worcester Polytechnic Institute	4	128	40	Private

The Top 200 Institutions – Faculty Awards (2018)

Institutions with 3 Faculty Awards	Number of Awards	National Rank	Control Rank	Institutional Control
American University	3	155	47	Private
Auburn University	3	155	109	Public
Azusa Pacific University	3	155	47	Private
Ball State University	3	155	109	Public
Baylor University	3	155	47	Private
Boise State University	3	155	109	Public
City University of NY - Brooklyn College	3	155	109	Public
City University of NY - College of Staten Island	3	155	109	Public
Claremont McKenna College	3	155	47	Private
Cleveland State University	3	155	109	Public
Colby College	3	155	47	Private
Colgate University	3	155	47	Private
East Carolina University	3	155	109	Public
Embry Riddle Aeronautical Univ. - Daytona Beach	3	155	47	Private
Fordham University	3	155	47	Private
George Mason University	3	155	109	Public
Howard University	3	155	47	Private
Lewis & Clark College	3	155	47	Private
Louisiana State University - Baton Rouge	3	155	109	Public
Middlebury College	3	155	47	Private
Morgan State University	3	155	109	Public
New Mexico State University - Las Cruces	3	155	109	Public
Oberlin College	3	155	47	Private
Reed College	3	155	47	Private
Rowan University	3	155	109	Public
Santa Clara University	3	155	47	Private
State University of New York - New Paltz	3	155	109	Public
Thomas Jefferson University	3	155	47	Private
Trinity College (CT)	3	155	47	Private
Tufts University	3	155	47	Private
University at Albany	3	155	109	Public
University of Massachusetts - Boston	3	155	109	Public
University of Puerto Rico - Mayaguez	3	155	109	Public
University of Texas - Arlington	3	155	109	Public
University of Texas - Dallas	3	155	109	Public
University of Wisconsin - Milwaukee	3	155	109	Public
Western Illinois University	3	155	109	Public
Western Kentucky University	3	155	109	Public

The Top 200 Institutions – Doctorates Awarded (2018)

Top 1-50 Institutions in Doctorates Awarded	Number of Degrees	National Rank	Control Rank	Institutional Control
University of Michigan - Ann Arbor	874	1	1	Public
University of California - Berkeley	871	2	2	Public
Ohio State University - Columbus	855	3	3	Public
University of Texas - Austin	855	3	3	Public
University of Illinois - Urbana-Champaign	816	5	5	Public
University of Wisconsin - Madison	805	6	6	Public
University of Florida	772	7	7	Public
Nova Southeastern University	768	8	1	Private
University of Southern California	762	9	2	Private
Texas A&M University - College Station	758	10	8	Public
Harvard University	750	11	3	Private
Purdue University - West Lafayette	745	12	9	Public
Rutgers University - New Brunswick	737	13	10	Public
Stanford University	726	14	4	Private
University of California - Los Angeles	721	15	11	Public
University of Minnesota - Twin Cities	702	16	12	Public
Arizona State University	692	17	13	Public
Columbia University	669	18	5	Private
Duke University	669	18	5	Private
Pennsylvania State University - University Park	668	20	14	Public
Massachusetts Institute of Technology	645	21	7	Private
University of Maryland - College Park	641	22	15	Public
University of Washington - Seattle	633	23	16	Public
Johns Hopkins University	591	24	8	Private
University of California - Davis	562	25	17	Public
Michigan State University	553	26	18	Public
University of Pennsylvania	551	27	9	Private
University of Georgia	546	28	19	Public
Cornell University	540	29	10	Private
Boston University	535	30	11	Private
North Carolina State University	533	31	20	Public
Georgia Institute of Technology	530	32	21	Public
University of California - San Diego	515	33	22	Public
University of Missouri - Columbia	501	34	23	Public
University of North Carolina - Chapel Hill	501	34	23	Public
Indiana University - Bloomington	500	36	25	Public
Virginia Polytechnic Institute and State University	472	37	26	Public
University of Iowa	452	38	27	Public
University of Arizona	451	39	28	Public
Northwestern University	443	40	12	Private
University of Chicago	439	41	13	Private
New York University	435	42	14	Private
Yale University	433	43	15	Private
Florida State University	422	44	29	Public
City University of NY - Graduate Sch. and Univ. Ctr.	420	45	30	Public
University of Pittsburgh - Pittsburgh	419	46	31	Public
Iowa State University	416	47	32	Public
University of Colorado - Boulder	407	48	33	Public
Princeton University	396	49	16	Private
University of Tennessee - Knoxville	393	50	34	Public

The Top 200 Institutions – Doctorates Awarded (2018)

Top 51-100 Institutions in Doctorates Awarded	Number of Degrees	National Rank	Control Rank	Institutional Control
University of Houston - University Park	389	51	35	Public
University of South Carolina - Columbia	388	52	36	Public
University of California - Irvine	380	53	37	Public
University of South Florida - Tampa	374	54	38	Public
University of California - Santa Barbara	361	55	39	Public
University of Virginia	360	56	40	Public
Alliant International University	355	57	17	Private For-Profit
Texas Tech University	349	58	41	Public
University of Illinois - Chicago	349	58	41	Public
University of Utah	346	60	43	Public
Washington State University - Pullman	336	61	44	Public
University at Buffalo	332	62	45	Public
Virginia Commonwealth University	326	63	46	Public
University of Kansas - Lawrence	325	64	47	Public
Vanderbilt University	324	65	18	Private
Carnegie Mellon University	322	66	19	Private
University of Connecticut - Storrs	316	67	48	Public
Stony Brook University	311	68	49	Public
University of Kentucky	309	69	50	Public
University of California - Riverside	305	70	51	Public
George Mason University	300	71	52	Public
Louisiana State University - Baton Rouge	299	72	53	Public
Liberty University	298	73	20	Private
University of Massachusetts - Amherst	295	74	54	Public
University of Nebraska - Lincoln	283	75	55	Public
University of Notre Dame	281	76	21	Private
University of Central Florida	277	77	56	Public
Emory University	276	78	22	Private
George Washington University	265	79	23	Private
Saint Louis University - St. Louis	263	80	24	Private
Washington University in St. Louis	262	81	25	Private
University of Rochester	261	82	26	Private
Georgia State University	259	83	57	Public
University of Delaware	258	84	58	Public
Auburn University	253	85	59	Public
Colorado State University - Fort Collins	250	86	60	Public
Oregon State University	249	87	61	Public
University of Cincinnati - Cincinnati	244	88	62	Public
University of North Texas	244	88	62	Public
Oklahoma State University - Stillwater	243	90	64	Public
University of Oklahoma - Norman	239	91	65	Public
Clemson University	232	92	66	Public
University of Alabama - Tuscaloosa	232	92	66	Public
Drexel University	231	94	27	Private
University of Texas - Dallas	223	95	68	Public
Wayne State University	223	95	68	Public
Case Western Reserve University	219	97	28	Private
Temple University	217	98	70	Public
University of Miami	212	99	29	Private
Brown University	208	100	30	Private

The Top 200 Institutions – Doctorates Awarded (2018)

Top 101-149 Institutions in Doctorates Awarded	Number of Degrees	National Rank	Control Rank	Institutional Control
Rice University	207	101	31	Private
Teachers College at Columbia University	205	102	32	Private
University of Arkansas - Fayetteville	204	103	71	Public
University of Hawaii - Manoa	204	103	71	Public
Florida International University	200	105	73	Public
University of New Mexico - Albuquerque	198	106	74	Public
California Institute of Technology	191	107	33	Private
West Virginia University	190	108	75	Public
University of Texas - Arlington	185	109	76	Public
University of Wisconsin - Milwaukee	185	109	76	Public
Northeastern University	184	111	34	Private
University of Oregon	182	112	78	Public
Kansas State University	180	113	79	Public
Maryville University of Saint Louis	179	114	35	Private
University of Texas Health Science Center - Houston	178	115	80	Public
Mississippi State University	173	116	81	Public
University at Albany	172	117	82	Public
Southern Illinois University - Carbondale	167	118	83	Public
Rensselaer Polytechnic Institute	164	119	36	Private
University of Louisville	164	119	84	Public
Medical University of South Carolina	163	121	85	Public
Wilmington University (DE)	163	121	37	Private
Boston College	162	123	38	Private
University of Nevada - Las Vegas	162	123	86	Public
University of Alabama - Birmingham	161	125	87	Public
Syracuse University	160	126	39	Private
Kent State University - Kent	159	127	88	Public
Regent University	159	127	40	Private
University of California - Santa Cruz	159	127	88	Public
Tufts University	158	130	41	Private
University of Memphis	158	130	90	Public
East Tennessee State University	151	132	91	Public
University of Southern Mississippi	151	132	91	Public
Old Dominion University	150	134	93	Public
University of Akron - Akron	143	135	94	Public
University of North Carolina - Charlotte	143	135	94	Public
University of Mississippi - Oxford	141	137	96	Public
Ohio University - Athens	136	138	97	Public
University of California - San Francisco	135	139	98	Public
University of Nevada - Reno	134	140	99	Public
Binghamton University	132	141	100	Public
Claremont Graduate University	132	141	42	Private
Georgetown University	131	143	43	Private
Tulane University	130	144	44	Private
University of Texas - San Antonio	129	145	101	Public
St. John's University (NY)	128	146	45	Private
University of Colorado - Denver/Anschutz Medical	128	146	102	Public
Fordham University	127	148	46	Private
New Mexico State University - Las Cruces	126	149	103	Public

The Top 200 Institutions – Doctorates Awarded (2018)

Top 150-200 Institutions in Doctorates Awarded	Number of Degrees	National Rank	Control Rank	Institutional Control
University of North Carolina - Greensboro	125	150	104	Public
Western Michigan University	125	150	104	Public
University of Denver	122	152	47	Private
Loyola University Chicago	121	153	48	Private
Florida Atlantic University	120	154	106	Public
Texas Woman's University	119	155	107	Public
University of Toledo	118	156	108	Public
Missouri University of Science and Technology	116	157	109	Public
Northern Illinois University	116	157	109	Public
Fielding Graduate University	114	159	49	Private
University of Missouri - Kansas City	114	159	111	Public
Colorado School of Mines	113	161	112	Public
Lehigh University	113	161	50	Private
North Dakota State University	113	161	112	Public
University of Northern Colorado	113	161	112	Public
University of Wyoming	113	161	112	Public
Baylor University	112	166	51	Private
A.T. Still University of Health Sciences	111	167	52	Private
Catholic University of America	110	168	53	Private
University of Rhode Island	110	168	116	Public
Shenandoah University	109	170	54	Private
Southern Methodist University	109	170	54	Private
Yeshiva University	101	172	56	Private
Baylor College of Medicine	100	173	57	Private
Concordia University - Portland	100	173	57	Private
Duquesne University	100	173	57	Private
University of the Cumberland	100	173	57	Private
Utah State University	99	177	117	Public
Indiana University - Purdue University - Indianapolis	98	178	118	Public
Loma Linda University	96	179	61	Private
Portland State University	96	179	119	Public
College of William and Mary	94	181	120	Public
Rutgers University - Newark	94	181	120	Public
University of Maryland - Baltimore County	94	181	120	Public
Brigham Young University - Provo	93	184	62	Private
Lamar University	93	184	123	Public
Michigan Technological University	93	184	123	Public
Illinois Institute of Technology	92	187	63	Private
University of Texas - El Paso	92	187	125	Public
Bowling Green State University - Bowling Green	91	189	126	Public
Howard University	91	189	64	Private
University of America	90	191	65	Private
Indiana University of Pennsylvania	89	192	127	Public
Southern Baptist Theological Seminary	89	192	66	Private
Gardner-Webb University	88	194	67	Private
Indiana State University	88	194	128	Public
Long Island University (Multiple campuses)	88	194	67	Private
Pepperdine University	88	194	67	Private
University of Maryland - Baltimore	88	194	128	Public
University of Missouri - St. Louis	87	199	130	Public
Brandman University	85	200	70	Private

The Top 200 Institutions – Postdoctoral Appointees (2017)

Top 1-50 Institutions in Postdoctoral Appointees	Number of Postdocs	National Rank	Control Rank	Institutional Control
Harvard University	6,023	1	1	Private
Stanford University	2,266	2	2	Private
Johns Hopkins University	1,768	3	3	Private
Massachusetts Institute of Technology	1,423	4	4	Private
University of Michigan - Ann Arbor	1,368	5	1	Public
Columbia University	1,272	6	5	Private
University of California - San Diego	1,255	7	2	Public
University of California - Berkeley	1,146	8	3	Public
University of California - Los Angeles	1,107	9	4	Public
Yale University	1,097	10	6	Private
University of California - San Francisco	1,077	11	5	Public
University of Pennsylvania	1,071	12	7	Private
University of Minnesota - Twin Cities	1,031	13	6	Public
University of Washington - Seattle	1,023	14	7	Public
Northwestern University	989	15	8	Private
University of Colorado - Boulder	887	16	8	Public
University of California - Davis	831	17	9	Public
University of North Carolina - Chapel Hill	806	18	10	Public
University of Wisconsin - Madison	744	19	11	Public
University of Pittsburgh - Pittsburgh	726	20	12	Public
Icahn School of Medicine at Mount Sinai	668	21	9	Private
New York University	666	22	10	Private
Ohio State University - Columbus	659	23	13	Public
University of Texas MD Anderson Cancer Center	651	24	14	Public
Mayo Clinic Graduate School of Biomedical Sciences	630	25	11	Private
California Institute of Technology	629	26	12	Private
Washington University in St. Louis	611	27	13	Private
Texas A&M University - College Station	601	28	15	Public
Duke University	600	29	14	Private
Princeton University	592	30	15	Private
University of Florida	579	31	16	Public
University of Texas SW Medical Center - Dallas	573	32	17	Public
Michigan State University	555	33	18	Public
Scripps Research Institute	554	34	16	Private
Emory University	538	35	17	Private
Baylor College of Medicine	533	36	18	Private
North Carolina State University	517	37	19	Public
University of Utah	514	38	20	Public
University of Maryland - College Park	513	39	21	Public
Vanderbilt University	487	40	19	Private
University of Arizona	485	41	22	Public
Cornell University	460	42	20	Private
Weill Cornell Medical College	460	42	20	Private
University of Illinois - Urbana-Champaign	459	44	23	Public
University of Southern California	452	45	22	Private
University of Chicago	437	46	23	Private
Indiana University - Bloomington	427	47	24	Public
Purdue University - West Lafayette	385	48	25	Public
Boston University	348	49	24	Private
University of California - Irvine	345	50	26	Public

The Top 200 Institutions – Postdoctoral Appointees (2017)

Top 51-100 Institutions in Postdoctoral Appointees	Number of Postdocs	National Rank	Control Rank	Institutional Control
University of Maryland - Baltimore	334	51	27	Public
University of Colorado - Denver/Anschutz Medical	329	52	28	Public
University of Iowa	329	52	28	Public
Iowa State University	326	54	30	Public
University of California - Santa Barbara	318	55	31	Public
Pennsylvania State University - University Park	317	56	32	Public
Rutgers University - New Brunswick	306	57	33	Public
University of Virginia	306	57	33	Public
University of Texas - Austin	305	59	35	Public
University of Massachusetts Medical School - Worcester	302	60	36	Public
University of Cincinnati - Cincinnati	296	61	37	Public
Georgia Institute of Technology	289	62	38	Public
Arizona State University	288	63	39	Public
University of South Florida - Tampa	288	63	39	Public
University at Buffalo	287	65	41	Public
Oregon Health & Science University	284	66	42	Public
Rockefeller University	277	67	25	Private
Stony Brook University	271	68	43	Public
University of Alabama - Birmingham	270	69	44	Public
Colorado State University - Fort Collins	267	70	45	Public
Carnegie Mellon University	259	71	26	Private
University of Missouri - Columbia	245	72	46	Public
University of Texas Health Science Center - Houston	241	73	47	Public
Yeshiva University	240	74	27	Private
University of Houston - University Park	237	75	48	Public
Oregon State University	236	76	49	Public
Brown University	232	77	28	Private
Virginia Polytechnic Institute and State University	230	78	50	Public
University of Georgia	229	79	51	Public
Florida State University	225	80	52	Public
University of California - Riverside	223	81	53	Public
Florida International University	222	82	54	Public
University of Miami	219	83	29	Private
Irell & Manella Graduate School of Biological Sciences	215	84	30	Private
University of Rochester	214	85	31	Private
Texas Tech University	212	86	55	Public
Tufts University	206	87	32	Private
University of Illinois - Chicago	204	88	56	Public
University of Hawaii - Manoa	203	89	57	Public
Washington State University - Pullman	201	90	58	Public
Rice University	200	91	33	Private
Kansas State University	197	92	59	Public
Case Western Reserve University	191	93	34	Private
University of Kentucky	184	94	60	Public
University of Nebraska - Lincoln	181	95	61	Public
Virginia Commonwealth University	177	96	62	Public
Medical University of South Carolina	172	97	63	Public
University of Texas Health Science Center - San Antonio	171	98	64	Public
Dartmouth College	168	99	35	Private
Northeastern University	164	100	36	Private

The Top 200 Institutions – Postdoctoral Appointees (2017)

Top 101-149 Institutions in Postdoctoral Appointees	Number of Postdocs	National Rank	Control Rank	Institutional Control
Cold Spring Harbor Laboratory	163	101	37	Private
Temple University	162	102	65	Public
Sanford-Burnham Prebys Medical Discovery Institute	154	103	38	Private
University of Massachusetts - Amherst	151	104	66	Public
University of Delaware	144	105	67	Public
University of Texas Medical Branch - Galveston	144	105	67	Public
Cedars-Sinai Medical Center	143	107	39	Private
University of Nebraska Medical Center	143	107	69	Public
Wake Forest University	139	109	40	Private
University of Tennessee - Knoxville	138	110	70	Public
University of California - Santa Cruz	136	111	71	Public
University of Oklahoma - Norman	131	112	72	Public
Louisiana State University - Baton Rouge	126	113	73	Public
Medical College of Wisconsin	126	113	41	Private
Thomas Jefferson University	123	115	42	Private
University of Oklahoma - Health Sciences Center	123	115	74	Public
University of Connecticut - Health Center	122	117	75	Public
University of South Carolina - Columbia	122	117	75	Public
Wayne State University	122	117	75	Public
Tulane University	118	120	43	Private
University of Kansas - Lawrence	112	121	78	Public
Brandeis University	101	122	44	Private
Augusta University	100	123	79	Public
University of Tennessee Health Science Center	100	123	79	Public
Woods Hole Oceanographic Institution	99	125	45	Private
University of Connecticut - Storrs	98	126	81	Public
Georgetown University	97	127	46	Private
University of New Mexico - Albuquerque	96	128	82	Public
Clemson University	94	129	83	Public
University of Central Florida	94	129	83	Public
George Washington University	93	131	47	Private
Drexel University	90	132	48	Private
Georgia State University	87	133	85	Public
University of Nevada - Reno	86	134	86	Public
University of Texas - San Antonio	84	135	87	Public
Pennsylvania State University - Hershey Medical Center	82	136	88	Public
University of Vermont	82	136	88	Public
University of Louisville	81	138	90	Public
University of Arkansas for Medical Sciences	80	139	91	Public
University of Kansas Medical Center	76	140	92	Public
Rensselaer Polytechnic Institute	73	141	49	Private
University at Albany	73	141	93	Public
Auburn University	70	143	94	Public
University of Texas - Dallas	66	144	95	Public
Syracuse University	64	145	50	Private
University of Idaho	64	145	96	Public
University of Notre Dame	64	145	50	Private
Utah State University	64	145	96	Public
City University of NY - City College	62	149	98	Public
University of Arkansas - Fayetteville	62	149	98	Public
University of Oregon	62	149	98	Public
University of Wyoming	62	149	98	Public

The Top 200 Institutions – Postdoctoral Appointees (2017)

Top 153-198 Institutions in Postdoctoral Appointees	Number of Postdocs	National Rank	Control Rank	Institutional Control
University of Texas - El Paso	57	153	102	Public
University of Wisconsin - Milwaukee	57	153	102	Public
West Virginia University	57	153	102	Public
University of Montana - Missoula	56	156	105	Public
University of New Hampshire - Durham	55	157	106	Public
Oklahoma State University - Stillwater	53	158	107	Public
University of Texas - Arlington	52	159	108	Public
Boston College	51	160	52	Private
Old Dominion University	49	161	109	Public
Mississippi State University	48	162	110	Public
University of California - Merced	48	162	110	Public
Montana State University - Bozeman	47	164	112	Public
Rutgers University - Newark	44	165	113	Public
Stevens Institute of Technology	43	166	53	Private
North Dakota State University	41	167	114	Public
Colorado School of Mines	40	168	115	Public
Lehigh University	40	168	54	Private
Louisiana State University HSC - New Orleans	40	168	115	Public
University of Mississippi - Oxford	40	168	115	Public
Saint Louis University - St. Louis	39	172	55	Private
University of Mississippi Medical Center	39	172	118	Public
University of Rhode Island	39	172	118	Public
Van Andel Institute	39	172	55	Private
Albany Medical College	38	176	57	Private
University of Maryland - Baltimore County	37	177	120	Public
University of North Texas	36	178	121	Public
Richard Gilder Grad. Sch. at the American Mus. of Nat. His.	35	179	58	Private
Rush University	35	179	58	Private
University of Alaska - Fairbanks	35	179	122	Public
South Dakota State University	34	182	123	Public
Louisiana State University - Shreveport	33	183	124	Public
Northern Arizona University	33	183	124	Public
Uniformed Services University of the Health Sciences	33	183	124	Public
University of Akron - Akron	32	186	127	Public
University of Toledo	32	186	127	Public
University of Nevada - Las Vegas	31	188	129	Public
Baylor University	30	189	60	Private
George Mason University	30	189	130	Public
Loyola University Chicago	30	189	60	Private
University of Massachusetts - Lowell	30	189	130	Public
University of North Dakota	30	189	130	Public
University of South Alabama - Mobile	30	189	130	Public
Worcester Polytechnic Institute	30	189	60	Private
San Diego State University	29	196	134	Public
Wesleyan University	29	196	63	Private
Loma Linda University	28	198	64	Private
University of North Carolina - Charlotte	28	198	135	Public
University of North Texas Health Science Center	28	198	135	Public
University of Puerto Rico - Rio Piedras	28	198	135	Public

The Top 200 Institutions – SAT Scores (2017)

Top 1-53 Institutions in Median SAT Scores	Median SAT Score	National Rank	Control Rank	Institutional Control
California Institute of Technology	1560	1	1	Private
Massachusetts Institute of Technology	1530	2	2	Private
Harvard University	1525	3	3	Private
Harvey Mudd College	1520	4	4	Private
Yale University	1520	4	4	Private
Columbia University	1510	6	6	Private
Franklin W. Olin College of Engineering	1510	6	6	Private
Johns Hopkins University	1500	8	8	Private
Princeton University	1500	8	8	Private
Rice University	1500	8	8	Private
Carnegie Mellon University	1495	11	11	Private
Dartmouth College	1495	11	11	Private
Webb Institute	1490	13	13	Private
University of Chicago	1480	14	14	Private
University of Pennsylvania	1480	14	14	Private
Vanderbilt University	1480	14	14	Private
Cornell University	1470	17	17	Private
Stanford University	1465	18	18	Private
Amherst College	1460	19	19	Private
Brown University	1460	19	19	Private
Duke University	1460	19	19	Private
Haverford College	1460	19	19	Private
Northeastern University	1460	19	19	Private
Northwestern University	1460	19	19	Private
University of Notre Dame	1460	19	19	Private
Washington University in St. Louis	1460	19	19	Private
Williams College	1460	19	19	Private
Carleton College	1445	28	28	Private
Swarthmore College	1445	28	28	Private
Tufts University	1445	28	28	Private
Georgetown University	1435	31	31	Private
Claremont McKenna College	1430	32	32	Private
Colby College	1430	32	32	Private
Colgate University	1430	32	32	Private
Georgia Institute of Technology	1430	32	1	Public
Grinnell College	1430	32	32	Private
Hamilton College (NY)	1430	32	32	Private
Middlebury College	1430	32	32	Private
Pomona College	1430	32	32	Private
University of Southern California	1430	32	32	Private
Washington and Lee University	1430	32	32	Private
Cooper Union for the Advancement of Science & Art	1420	42	41	Private
Barnard College	1415	43	42	Private
Case Western Reserve University	1415	43	42	Private
Davidson College	1415	43	42	Private
Emory University	1415	43	42	Private
Tulane University	1415	43	42	Private
University of California - Berkeley	1415	43	2	Public
University of Michigan - Ann Arbor	1415	43	2	Public
Vassar College	1415	43	42	Private
Villanova University	1415	43	42	Private
Wellesley College	1415	43	42	Private
Rensselaer Polytechnic Institute	1410	53	50	Private

The Top 200 Institutions – SAT Scores (2017)

Top 54-101 Institutions in Median SAT Scores	Median SAT Score	National Rank	Control Rank	Institutional Control
Boston College	1405	54	51	Private
Bryn Mawr College	1405	54	51	Private
Reed College	1405	54	51	Private
University of Virginia	1405	54	4	Public
Brandeis University	1400	58	54	Private
Kenyon College	1400	58	54	Private
Scripps College	1400	58	54	Private
Stevens Institute of Technology	1395	61	57	Private
University of Rochester	1395	61	57	Private
Boston University	1390	63	59	Private
College of William and Mary	1390	63	5	Public
New York University	1390	63	59	Private
Macalester College	1385	66	61	Private
Oberlin College	1385	66	61	Private
University of North Carolina - Chapel Hill	1385	66	6	Public
University of Richmond	1385	66	61	Private
Jewish Theological Seminary of America	1380	70	64	Private
University of Maryland - College Park	1375	71	7	Public
Colorado School of Mines	1370	72	8	Public
Hillsdale College	1370	72	65	Private
Santa Clara University	1370	72	65	Private
Southern Methodist University	1370	72	65	Private
Trinity College (CT)	1370	72	65	Private
University of Miami	1370	72	65	Private
Whitman College	1370	72	65	Private
Mount Holyoke College	1367	79	71	Private
St. John's College (MD)	1365	80	72	Private
Binghamton University	1361	81	9	Public
George Washington University	1360	82	73	Private
Brigham Young University - Provo	1355	83	74	Private
Denison University	1355	83	74	Private
Lafayette College	1355	83	74	Private
Occidental College	1355	83	74	Private
Rhodes College (TN)	1355	83	74	Private
Rose-Hulman Institute of Technology	1355	83	74	Private
Trinity University	1355	83	74	Private
Wheaton College (IL)	1355	83	74	Private
Wofford College	1355	83	74	Private
Lehigh University	1350	92	83	Private
Clemson University	1340	93	10	Public
Lewis & Clark College	1340	93	84	Private
Ohio State University - Columbus	1340	93	10	Public
University of Illinois - Urbana-Champaign	1340	93	10	Public
University of Texas - Austin	1340	93	10	Public
University of Wisconsin - Madison	1340	93	10	Public
Bucknell University	1335	99	85	Private
University of California - Los Angeles	1335	99	15	Public
University of Pittsburgh - Pittsburgh	1329	101	16	Public

The Top 200 Institutions – SAT Scores (2017)

Top 102-149 Institutions in Median SAT Scores	Median SAT Score	National Rank	Control Rank	Institutional Control
Baylor University	1325	102	86	Private
Centre College	1325	102	86	Private
Furman University	1325	102	86	Private
Lawrence University	1325	102	86	Private
Miami University - Oxford	1325	102	17	Public
North Carolina State University	1325	102	17	Public
Sarah Lawrence College	1325	102	86	Private
University of Georgia	1325	102	17	Public
University of Minnesota - Twin Cities	1325	102	17	Public
University of Texas - Dallas	1325	102	17	Public
University of Tulsa	1325	102	86	Private
Babson College	1320	113	92	Private
Fordham University	1320	113	92	Private
University of Florida	1320	113	22	Public
Florida State University	1310	116	23	Public
Illinois Institute of Technology	1310	116	94	Private
Indiana University - Bloomington	1310	116	23	Public
Kalamazoo College	1310	116	94	Private
Missouri University of Science and Technology	1310	116	23	Public
Saint Louis University - St. Louis	1310	116	94	Private
St. Olaf College	1310	116	94	Private
Stony Brook University	1310	116	23	Public
University of Alabama - Huntsville	1310	116	23	Public
University of California - San Diego	1310	116	23	Public
University of San Diego	1310	116	94	Private
University of Washington - Seattle	1305	127	29	Public
Skidmore College	1303	128	99	Private
U.S. Air Force Academy	1300	129	30	Public
University of Connecticut - Storrs	1300	129	30	Public
Bentley University	1295	131	100	Private
Butler University	1295	131	100	Private
Chapman University	1295	131	100	Private
Creighton University	1295	131	100	Private
Earlham College	1295	131	100	Private
Hendrix College	1295	131	100	Private
Mercer University	1295	131	100	Private
Milwaukee School of Engineering	1295	131	100	Private
Pepperdine University	1295	131	100	Private
Rutgers University - New Brunswick	1295	131	32	Public
Soka University of America	1295	131	100	Private
Texas Christian University	1295	131	100	Private
University of Alabama - Tuscaloosa	1295	131	32	Public
University of California - Santa Barbara	1295	131	32	Public
University of Colorado - Boulder	1295	131	32	Public
University of Denver	1295	131	100	Private
University of South Carolina - Columbia	1295	131	32	Public
U.S. Military Academy	1293	148	37	Public
California Polytechnic State Univ - San Luis Obispo	1290	149	38	Public
Thomas Aquinas College	1290	149	112	Private
Yeshiva University	1290	149	112	Private

The Top 200 Institutions – SAT Scores (2017)

Top 152-196 Institutions in Median SAT Scores	Median SAT Score	National Rank	Control Rank	Institutional Control
New College of Florida	1285	152	39	Public
Rochester Institute of Technology	1285	152	114	Private
St. Lawrence University	1285	152	114	Private
Auburn University	1280	155	40	Public
College of Wooster	1280	155	116	Private
Covenant College	1280	155	116	Private
Drake University	1280	155	116	Private
Emerson College	1280	155	116	Private
New Jersey Institute of Technology	1280	155	40	Public
Truman State University	1280	155	40	Public
U.S. Merchant Marine Academy	1280	155	40	Public
University of Tennessee - Knoxville	1280	155	40	Public
Warren Wilson College	1280	155	116	Private
City University of NY - Bernard M. Baruch College	1270	165	45	Public
Kettering University	1270	165	121	Private
Loyola Marymount University	1270	165	121	Private
St. John's College (NM)	1270	165	121	Private
University of Massachusetts - Amherst	1270	165	45	Public
Virginia Polytechnic Institute and State University	1270	165	45	Public
American University	1265	171	124	Private
Gonzaga University	1265	171	124	Private
Purdue University - West Lafayette	1265	171	48	Public
University of Vermont	1265	171	48	Public
U.S. Coast Guard Academy	1262	175	50	Public
Austin College	1260	176	126	Private
Belmont University	1260	176	126	Private
Berry College	1260	176	126	Private
Calvin College	1260	176	126	Private
DePauw University	1260	176	126	Private
Drexel University	1260	176	126	Private
Florida Southern College	1260	176	126	Private
Hope College	1260	176	126	Private
Illinois Wesleyan University	1260	176	126	Private
John Brown University	1260	176	126	Private
King's College (NY)	1260	176	126	Private
Loyola University Chicago	1260	176	126	Private
Marquette University	1260	176	126	Private
South Dakota School of Mines and Technology	1260	176	51	Public
University of California - Irvine	1260	176	51	Public
University of Dayton	1260	176	126	Private
University of St. Thomas (MN)	1260	176	126	Private
Syracuse University	1255	193	141	Private
University of Dallas	1255	193	141	Private
Westmont College	1255	193	141	Private
College of New Jersey	1250	196	53	Public
Michigan Technological University	1250	196	53	Public
Pennsylvania State University - University Park	1250	196	53	Public
Rhode Island School of Design	1250	196	144	Private
Texas A&M University - College Station	1250	196	53	Public
University of California - Santa Cruz	1250	196	53	Public
University of Maryland - Baltimore County	1250	196	53	Public
Wheaton College (MA)	1250	196	144	Private

The Top 200 Institutions – National Merit Scholars (2018)

Top 1-52 Institutions in National Merit Scholars	Number of Scholars	National Rank	Control Rank	Institutional Control
University of Southern California	276	1	1	Private
University of Chicago	249	2	2	Private
University of Florida	231	3	1	Public
Harvard University	195	4	3	Private
University of Alabama - Tuscaloosa	185	5	2	Public
Vanderbilt University	182	6	4	Private
Texas A&M University - College Station	178	7	3	Public
University of Texas - Dallas	175	8	4	Public
Northwestern University	172	9	5	Private
Stanford University	157	10	6	Private
University of Oklahoma - Norman	156	11	5	Public
Arizona State University	151	12	6	Public
Massachusetts Institute of Technology	147	13	7	Private
University of Minnesota - Twin Cities	137	14	7	Public
Purdue University - West Lafayette	133	15	8	Public
University of California - Berkeley	124	16	9	Public
Yale University	124	16	8	Private
Northeastern University	118	18	9	Private
University of Pennsylvania	111	19	10	Private
Duke University	106	20	11	Private
Georgia Institute of Technology	105	21	10	Public
Brigham Young University - Provo	95	22	12	Private
Princeton University	90	23	13	Private
University of Texas - Austin	90	23	11	Public
University of Maryland - College Park	88	25	12	Public
University of Central Florida	83	26	13	Public
University of Michigan - Ann Arbor	80	27	14	Public
Cornell University	78	28	14	Private
Emory University	77	29	15	Private
University of California - Los Angeles	77	29	15	Public
University of Cincinnati - Cincinnati	77	29	15	Public
Baylor University	76	32	16	Private
Columbia University	69	33	17	Private
University of Notre Dame	69	33	17	Private
University of South Carolina - Columbia	68	35	17	Public
Dartmouth College	67	36	19	Private
University of Kentucky	66	37	18	Public
Boston University	60	38	20	Private
Case Western Reserve University	60	38	20	Private
Brown University	58	40	22	Private
University of Georgia	56	41	19	Public
Rice University	55	42	23	Private
Michigan State University	53	43	20	Public
Indiana University - Bloomington	51	44	21	Public
Auburn University	49	45	22	Public
Johns Hopkins University	49	45	24	Private
Fordham University	48	47	25	Private
Tufts University	48	47	25	Private
Clemson University	45	49	23	Public
Mississippi State University	45	49	23	Public
Washington University in St. Louis	45	49	27	Private
University of Arizona	43	52	25	Public

The Top 200 Institutions – National Merit Scholars (2018)

Top 52-101 Institutions in National Merit Scholars	Number of Scholars	National Rank	Control Rank	Institutional Control
University of Arkansas - Fayetteville	42	53	26	Public
Harvey Mudd College	40	54	28	Private
Rutgers University - New Brunswick	40	54	27	Public
Georgetown University	38	56	29	Private
University of Virginia	38	56	28	Public
California Institute of Technology	37	58	30	Private
Carnegie Mellon University	37	58	30	Private
University of Utah	36	60	29	Public
University of Nebraska - Lincoln	35	61	30	Public
University of North Carolina - Chapel Hill	34	62	31	Public
Ohio State University - Columbus	32	63	32	Public
Rensselaer Polytechnic Institute	32	63	32	Private
University of Mississippi - Oxford	32	63	32	Public
University of North Texas	32	63	32	Public
Carleton College	31	67	33	Private
University of Missouri - Columbia	29	68	35	Public
University of Rochester	28	69	34	Private
Iowa State University	27	70	36	Public
University of Washington - Seattle	27	70	36	Public
Grinnell College	25	72	35	Private
Louisiana State University - Baton Rouge	24	73	38	Public
Pennsylvania State University - University Park	24	73	38	Public
Tulane University	24	73	36	Private
University of Illinois - Urbana-Champaign	24	73	38	Public
University of Miami	24	73	36	Private
University of Tulsa	24	73	36	Private
University of Wisconsin - Madison	24	73	38	Public
Oberlin College	23	80	39	Private
Texas Tech University	23	80	42	Public
University of Louisville	23	80	42	Public
University of South Florida - Tampa	23	80	42	Public
Oklahoma State University - Stillwater	22	84	45	Public
University of Alabama - Birmingham	22	84	45	Public
University of Iowa	22	84	45	Public
Bowdoin College	21	87	40	Private
Florida State University	21	87	48	Public
University of Tennessee - Knoxville	21	87	48	Public
New York University	20	90	41	Private
Southern Methodist University	20	90	41	Private
University of Kansas - Lawrence	20	90	50	Public
University of California - San Diego	19	93	51	Public
Washington and Lee University	19	93	43	Private
Oregon State University	18	95	52	Public
Rose-Hulman Institute of Technology	18	95	44	Private
West Virginia University	18	95	52	Public
Williams College	18	95	44	Private
University of Houston - University Park	17	99	54	Public
University of Pittsburgh - Pittsburgh	17	99	54	Public
Hillsdale College	16	101	46	Private
Liberty University	16	101	46	Private
Macalester College	16	101	46	Private
Wheaton College (IL)	16	101	46	Private

The Top 200 Institutions – National Merit Scholars (2018)

Top 105-142 Institutions in National Merit Scholars	Number of Scholars	National Rank	Control Rank	Institutional Control
Brandeis University	15	105	50	Private
Franklin W. Olin College of Engineering	15	105	50	Private
University of Nevada - Reno	15	105	56	Public
Kenyon College	14	108	52	Private
Rochester Institute of Technology	14	108	52	Private
Texas Christian University	14	108	52	Private
University of Idaho	14	108	57	Public
Pomona College	13	112	55	Private
University of New Mexico - Albuquerque	13	112	58	Public
Villanova University	13	112	55	Private
Boston College	12	115	57	Private
Gustavus Adolphus College	12	115	57	Private
Miami University - Oxford	12	115	59	Public
Missouri University of Science and Technology	12	115	59	Public
Swarthmore College	12	115	57	Private
Colorado State University - Fort Collins	11	120	61	Public
College of William and Mary	10	121	62	Public
Furman University	10	121	60	Private
Kansas State University	10	121	62	Public
Lewis & Clark College	10	121	60	Private
Amherst College	9	125	62	Private
Florida Atlantic University	9	125	64	Public
Montana State University - Bozeman	9	125	64	Public
St. Olaf College	9	125	62	Private
Stony Brook University	9	125	64	Public
University of California - Davis	9	125	64	Public
Wichita State University	9	125	64	Public
Colby College	8	132	64	Private
Harding University	8	132	64	Private
University of California - Irvine	8	132	69	Public
University of Colorado - Boulder	8	132	69	Public
University of Dallas	8	132	64	Private
University of Oregon	8	132	69	Public
College of Wooster	7	138	67	Private
Louisiana Tech University	7	138	72	Public
Marquette University	7	138	67	Private
North Carolina State University	7	138	72	Public
Calvin College	6	142	69	Private
Claremont McKenna College	6	142	69	Private
Hendrix College	6	142	69	Private
Loyola University Chicago	6	142	69	Private
Luther College	6	142	69	Private
Middlebury College	6	142	69	Private
Santa Clara University	6	142	69	Private
Scripps College	6	142	69	Private
University of North Dakota	6	142	74	Public
University of Wyoming	6	142	74	Public
Virginia Commonwealth University	6	142	74	Public

The Top 200 Institutions – National Merit Scholars (2018)

Top 153-191 Institutions in National Merit Scholars	Number of Scholars	National Rank	Control Rank	Institutional Control
American University	5	153	77	Private
Belmont University	5	153	77	Private
Butler University	5	153	77	Private
Centre College	5	153	77	Private
Creighton University	5	153	77	Private
George Washington University	5	153	77	Private
Lawrence University	5	153	77	Private
New College of Florida	5	153	77	Public
North Dakota State University	5	153	77	Public
Rhodes College (TN)	5	153	77	Private
Saint Louis University - St. Louis	5	153	77	Private
South Dakota State University	5	153	77	Public
Trinity University	5	153	77	Private
Truman State University	5	153	77	Public
University of Missouri - Kansas City	5	153	77	Public
Virginia Polytechnic Institute and State University	5	153	77	Public
Western Washington University	5	153	77	Public
Bucknell University	4	170	87	Private
California Polytechnic State Univ. - San Luis Obispo	4	170	84	Public
Colgate University	4	170	87	Private
Colorado College	4	170	87	Private
DePauw University	4	170	87	Private
Hope College	4	170	87	Private
Ithaca College	4	170	87	Private
Oklahoma Christian University	4	170	87	Private
Pepperdine University	4	170	87	Private
University of Alabama - Huntsville	4	170	84	Public
University of California - Santa Barbara	4	170	84	Public
University of Connecticut - Storrs	4	170	84	Public
University of Maine - Orono	4	170	84	Public
University of Maryland - Baltimore County	4	170	84	Public
University of Richmond	4	170	87	Private
University of Southern Mississippi	4	170	84	Public
University of St. Thomas (MN)	4	170	87	Private
Wake Forest University	4	170	87	Private
Washington State University - Pullman	4	170	84	Public
Wellesley College	4	170	87	Private
Wesleyan University	4	170	87	Private
Bethel University (MN)	3	191	100	Private
Davidson College	3	191	100	Private
Drexel University	3	191	100	Private
Embry Riddle Aeronautical Univ. - Daytona Beach	3	191	100	Private
Haverford College	3	191	100	Private
Illinois Wesleyan University	3	191	100	Private
Lehigh University	3	191	100	Private
Michigan Technological University	3	191	92	Public
Reed College	3	191	100	Private
Temple University	3	191	92	Public
University of Dayton	3	191	100	Private
University of Massachusetts - Amherst	3	191	92	Public
University of Minnesota - Morris	3	191	92	Public
University of Montana - Missoula	3	191	92	Public
University of Nevada - Las Vegas	3	191	92	Public

Source Notes

Total Research Expenditures Federal Research Expenditures

Source: Higher Education Research and Development (HERD) Survey, FY 2017

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

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

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

up a very small percentage of the total research expenditures in any given year, the impact on our total research rankings is slight. The agriculture formula funds will have a somewhat greater, but still small, impact on the federal research rankings.

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

In some sections of this report, these expenditure data are deflated to constant 1983 dollars to show real change over time. While NSF uses the Gross Domestic Price (GDP) implicit price deflator in its reports on federal trends in research, we use the Higher Education Price Index (HEPI) because of its narrower focus. Originally developed by Research Associates of Washington and currently managed by Commonfund Institute, the HEPI illustrates the effect of inflation on college and university operations.¹ 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.”²

Endowment Assets

Source: NACUBO-Commonfund Study of Endowment, endowment market value as of June 30, 2018.

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 NACUBO-Commonfund Study of Endowment because of NACUBO’s long history of reporting endowments of higher education institutions, their emphasis on using audited financial statements, and their focus on net assets (i.e., includes returns on investments and excludes investment fees and other withdrawals). NACUBO conducts its study annually and reports the results each February in the Chronicle of Higher Education.

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

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

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

Annual Giving

Source: Council for Aid to Education's Voluntary Support of Education (VSE) Survey, FY 2018.

The Council for Aid to Education (CAE), formerly an independent subsidiary of RAND, has produced the Voluntary Support of Education (VSE) Survey since 1957. The annual giving data include all contributions actually received during the institution's fiscal year in the form of cash, securities, company products, and other property from alumni, non-alumni individuals, corporations, foundations, religious organizations, and other groups. Not included in the totals are public funds, earnings on investments held by the institution, and unfulfilled pledges.

CAE's VSE Data Miner service, available online, provides 11 years of data for all participating institutions. Although this is a

subscription-based service and requires a user ID and password, limited access is available online at [<http://www.cae.org/vse>].

National Academy Members

Source: National Academy of Sciences, National Academy of Engineering, and National Academy of Medicine membership directories for 2018.

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 National Academy of Medicine (NAM), formerly known as the Institute of Medicine. 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 (NAM).

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

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

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

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

- American Council of Learned Societies (ACLS) Fellows, 2017-18
- Beckman Young Investigators, 2018
- Burroughs Wellcome Fund Career Awards, 2018
- Cottrell Scholars, 2018
- Fulbright American Scholars, 2018-19
- Getty Scholars in Residence, 2018-19
- Guggenheim Fellows, 2018
- Howard Hughes Medical Institute Investigators, 2018
- Lasker Medical Research Awards, 2018
- MacArthur Foundation Fellows, 2018

- National Endowment for the Humanities (NEH) Fellows, 2019
- National Humanities Center Fellows, 2018-19
- National Institutes of Health (NIH) MERIT (R37), FY 2018
- NSF CAREER awards, 2018
- Newberry Library Long-term Fellows, 2018-19
- Pew Scholars in Biomedicine, 2018
- Robert Wood Johnson Policy Fellows, 2018-19
- Searle Scholars, 2018
- Sloan Research Fellows, 2018
- Woodrow Wilson Fellows, 2018-19

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, 2017, and June 30, 2018.

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

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

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

Postdoctoral Appointees

Source: NSF/Division of Science Resource Statistics (SRS) Survey of Graduate Students and Postdoctorates in Science and Engineering, Fall 2017.

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,³ NSF indicates that it verifies the data with the institutional coordinator when dramatic year-to-year fluctuations are noted. In addition, in this data set, it is unclear whether an institution has actually reported zero postdocs or NSF has simply assigned a zero for non-response (rather than imputing by using prior-year or peer data, as described in NSF methodological notes). This year, in cases where we suspect it is not a true zero, we left the field blank.

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

SAT Scores

Source: NCES IPEDS Survey, SAT and ACT scores for Fall 2017.

IPEDS reports the 25th and 75th percentiles for verbal and quantitative SAT I scores for most institutions in our study. For our measure, we calculated the median of that range. Some institutions report the ACT instead of the SAT to IPEDS and some report both. We selected the test which has the greatest percentage of students reporting. To convert ACT scores, we use a conversion table provided by The College Board⁴ to generate a comparable SAT equivalent score. When an institution submits neither an SAT nor ACT score, we substitute data from other national data sources.

Other Measures of Undergraduate Quality

National Merit and Achievement Scholars

Source: The 2017-18 National Merit Scholarship Corporation Annual Report, which reflects the 2018 freshman class.

The National Merit Scholarship Corporation (NMSC) is an independent, nonprofit organization that awards scholarships to the nation's outstanding high school seniors based on their academic achievement, qualifying test scores, high school principal and counselor recommendations, and their activities, interests, and goals. The NMSC names approximately 15,000 National Merit Finalists each February. Of these, about 8,000 will receive a National Merit \$2,500 Scholarship, a corporate-sponsored scholarship, or a college-sponsored scholarship.

Until it was discontinued in 2015, National Achievement Scholars were selected and funded in a similar fashion and represented the nation's outstanding African-American students. Ideally, the National Hispanic Scholars Program should also be included in this category, but it does not track the enrollment of its scholarship winners. Should it do so in the future, we will include these students in our data. In this study, Merit and Achievement scholarships are credited to the main campus if the NMSC Annual Report does not indicate a branch campus.

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

Institutional Characteristics

Medical Schools

Source: NCES IPEDS Completions Survey, MD degrees awarded between July 1, 2017, and June 30, 2018.

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 106 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."

Research Focus

Source: Higher Education Research and Development, FY 2017.

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

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

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

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

Student Characteristics

Fall Enrollment

Source: NCES IPEDS Fall Enrollment Survey, 2017.

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

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

Federal Research with and without Medical School Research

Source: Association of American Medical Colleges, FY 2017

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

Footnotes

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

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

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

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

Data Notes

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

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

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

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

The following tables outline the various adjustments or substitutions that we made to the original data. The tables list institutions alphabetically and include both private and public universities. For the purpose of this report, we provide notes for institutions with more than \$40 million in fiscal year 2017 federal research.

The Top American Research Universities

Data Notes for Universities with Over \$40 Million in Federal Research			
University / Statistics	Original Data (dollars in thousands)	MUP Data (dollars in thousands)	Comments
Auburn University			
2018 Endowment		767,361	Estimate at least 97% is main campus.
2018 Giving		120,435	Estimate at least 97% is main campus.
Augusta University			
2017 Endowment	235,247	227,565	Revised 2017 NACUBO.
Baylor College of Medicine			
2018 Giving		57,654	Substituted data from IPEDS
Cleveland State University			
2018 Endowment		83,970	Substituted 2018 VSE.
Colorado State University - Fort Collins			
2018 Giving		79,063	Substituted data from IPEDS.
Cornell University			
2018 Endowment	7,230,291	5,632,397	Estimate 77.9% based on published documents.
2017 Federal Research	435,355	279,525	Estimate 64.2% based on university documents.
2018 Giving	507,295	410,909	Estimate 81% based on 2018 IPEDS.
2017 Total Research	963,166	591,701	Estimate 61.4% based on university documents.
Icahn School of Medicine at Mount Sinai			
2018 Endowment		748,174	Substituted 2018 IPEDS.
2018 Giving		124,788	Substituted 2018 IPEDS.
Indiana University - Bloomington			
2018 Endowment	2,397,369	1,154,032	Substituted 2018 IPEDS.
2018 Giving	408,462	243,443	Estimate 59.6% based on IPEDS and university documents.
Kansas State University			
2017 Endowment	506,232	450,462	Revised 2017 NACUBO.
Louisiana State University - Baton Rouge			
2018 Endowment	886,387	499,341	Substituted 2018 VSE.
Medical College of Wisconsin			
2018 Giving		17,039	Substituted 2018 IPEDS.
Michigan State University			
2017 Endowment	3,075,113	3,036,532	Revised 2017 NACUBO.
Mississippi State University			
2017 Endowment	470,238	472,000	Revised 2017 NACUBO.
New Mexico State University - Las Cruces			
2018 Endowment		175,633	Estimate at least 97% is main campus.

The Top American Research Universities

Data Notes for Universities with Over \$40 Million in Federal Research			
University / Statistics	Original Data (dollars in thousands)	MUP Data (dollars in thousands)	Comments
New York University			
2017 Endowment	3,991,638	3,992,000	Revised 2017 NACUBO.
Ohio State University - Columbus			
2018 Endowment		5,211,434	Estimate at least 97% is main campus.
2018 Giving		436,974	Estimate at least 97% is main campus.
Oklahoma State University - Stillwater			
2018 Endowment	962,861	642,900	Substituted data from published documents. Revised 2008-2017-2008 using institution's published report.
Pennsylvania State University - Hershey Medical Center			
2018 Endowment	4,282,794	550,797	Substituted data from published documents.
2017 Federal Research	528,181	51,070	Estimate 9.7% based on university documents.
2018 Giving	277,661	53,311	Estimate 19.2% based on university documents.
2017 Postdocs	399	82	Estimate 20.6% based on postdoc disciplines.
2017 Total Research	826,683	100,851	Estimate 12.2% based on university documents.
Pennsylvania State University - University Park			
2018 Endowment	4,282,794	2,340,887	Substituted data from published documents.
2017 Federal Research	528,181	477,111	Estimate 90.3% based on university documents.
2018 Giving	277,661	205,747	Estimate 74.1% based on university documents.
2017 Postdocs	399	317	Estimate 79.4% based on postdoc disciplines.
2017 Total Research	826,683	725,832	Estimate 87.8% based on university documents.
Purdue University - West Lafayette			
2018 Endowment		2,523,770	Estimate at least 97% is main campus.
2018 Giving		192,303	Estimate at least 97% is main campus.
Rockefeller University			
2017 Endowment	2,049,344	2,049,395	Revised 2017 NACUBO.
2018 Giving		70,811	Substituted 2018 IPEDS.
Rush University			
2018 Giving		16,534	Substituted 2018 IPEDS.
Rutgers University - New Brunswick			
Endowment	1,330,011	1,094,224	Estimate 82.3% based on 2018 IPEDS.
Giving	184,366	159,477	Estimate 86.5% based on university documents.
2018 National Academy		35	Includes 1 reported under UMDNJ.
2017 Postdocs		306	Includes 98 reported under UMDNJ.

The Top American Research Universities

Data Notes for Universities with Over \$40 Million in Federal Research			
University / Statistics	Original Data (dollars in thousands)	MUP Data (dollars in thousands)	Comments
State University of New York - Polytechnic Institute			
2018 Endowment		6,954	Substituted 2018 VSE.
Texas A&M University - College Station			
2018 Endowment	13,524,947	12,792,244	Substituted 2018 VSE.
Thomas Jefferson University			
2018 Endowment		264,065	Substituted 2018 VSE.
University at Buffalo			
2014 National Merit	0	2	Revised 2014 credit to wrong institution.
University of Alabama - Birmingham			
2018 Endowment	1,451,750	504,530	Substituted 2018 VSE.
University of Alabama - Huntsville			
2018 Endowment	1,451,750	78,545	Substituted 2018 VSE.
University of Alaska - Fairbanks			
2018 Endowment	339,137	211,456	Estimate 62.4% based on 2018 IPEDS.
2018 Giving		35,317	Estimate at least 97% is main campus.
University of Arkansas - Fayetteville			
2018 Endowment		1,185,715	Substituted 2018 VSE. Did not report to NACUBO.
University of Arkansas for Medical Sciences			
2018 Endowment		37,553	Substituted 2018 IPEDS. Did not report to NACUBO or VSE.
2018 Giving		19,908	Substituted 2018 IPEDS.
University of California - Berkeley			
2018 SAT		1425	Substituted SAT data from institution's Common Data Set.
2018 Endowment	1,944,306	4,730,836	Substituted 2018 VSE.
University of California - Davis			
2018 Endowment	442,615	1,416,342	Substituted 2018 VSE.
University of California - Los Angeles			
2018 Endowment	2,522,638	4,608,029	Substituted 2018 VSE.
University of California - Riverside			
2018 Endowment		250,220	Substituted 2018 VSE. Did not report to NACUBO.
University of California - San Diego			
2018 Endowment	738,174	1,625,687	Substituted 2018 VSE.
University of California - San Francisco			
2018 Endowment	1,664,471	3,212,862	Substituted 2018 VSE.

The Top American Research Universities

Data Notes for Universities with Over \$40 Million in Federal Research			
University / Statistics	Original Data (dollars in thousands)	MUP Data (dollars in thousands)	Comments
University of California - Santa Cruz			
2018 Endowment	104,478	203,032	Substituted 2018 VSE.
University of Cincinnati - Cincinnati			
2017 Endowment	1,282,743	1,282,824	Revised 2017 NACUBO.
2018 Endowment		1,367,000	Estimate at least 97% is main campus.
University of Colorado - Boulder			
2018 Endowment	1,220,204	655,576	Data provided by University of Colorado System.
2018 Giving	315,441	148,257	Estimate 47% based on university documents.
University of Colorado - Denver/Anschutz Medical			
2018 Endowment	1,220,204	564,690	Data provided by University of Colorado System.
2018 Giving	315,441	167,184	Estimate 53% based on university documents.
University of Connecticut - Health Center			
2017 Doctorates	342	26	Estimate based on university factbook and IPEDS Completions.
2018 Endowment	447,217	113,146	Estimate 25.3% based on published documents.
2017 Federal Research	141,977	42,093	Estimate 29.6% based on university documents.
2018 Giving	54,923	5,218	Estimate 9.5% based on university documents.
2017 Postdocs	220	122	Estimate 55.5% based on postdoc disciplines.
2017 Total Research	257,176	76,247	Estimate 29.6% based on university documents.
University of Connecticut - Storrs			
2017 Doctorates	342	316	Estimate based on university factbook and IPEDS Completions.
2018 Endowment	447,217	334,071	Estimate 74.7% based on published documents.
2017 Federal Research	141,977	99,884	Estimate 70.4% based on university documents.
2018 Giving	54,923	49,705	Estimate 90.5% based on university documents.
2017 Postdocs	220	98	Estimate 44.5% based on postdoc disciplines.
2017 Total Research	257,176	180,929	Estimate 70.4% based on university documents.
University of Dayton			
2017 Endowment	524,186	525,221	Revised 2017 NACUBO.
2018 Giving		34,768	Substituted 2018 IPEDS.
University of Hawaii - Manoa			
2018 Endowment		321,040	Estimate at least 97% is main campus.
University of Houston - University Park			
2018 Endowment	915,917	641,843	Substituted 2018 VSE.

The Top American Research Universities

Data Notes for Universities with Over \$40 Million in Federal Research			
University / Statistics	Original Data (dollars in thousands)	MUP Data (dollars in thousands)	Comments
University of Illinois - Chicago			
2018 Endowment	2,293,864	350,744	Substituted 2018 VSE.
University of Illinois - Urbana-Champaign			
2018 Endowment	2,293,864	1,800,156	Substituted 2018 VSE.
University of Iowa			
2017 Endowment	1,387,001	1,397,658	Revised 2017 NACUBO.
University of Kansas - Lawrence			
2017 Doctorates	366	325	Estimate based on KS Board of Regents data book and IPEDS Completions.
2018 Endowment	1,740,763	1,342,128	Estimate 77.1% based on published documents.
2017 Federal Research	126,109	85,807	Estimate 68% based on university documents.
2018 Giving	185,807	146,788	Estimate 79% based on university documents.
2017 Postdocs	188	112	Estimate 59.6% based on postdoc disciplines.
2017 Total Research	251,140	164,772	Estimate 65.6% based on university documents.
University of Kansas Medical Center			
2017 Doctorates	366	41	Estimate based on KS Board of Regents data book and IPEDS Completions.
2018 Endowment	1,740,763	398,635	Estimate 22.9% based on published documents.
2017 Federal Research	126,109	40,302	Estimate 32% based on university documents.
2018 Giving	185,807	39,019	Estimate 21% based on university documents.
2017 Postdocs	188	76	Estimate 40.4% based on postdoc disciplines.
2017 Total Research	251,140	86,368	Estimate 34.4% based on university documents.
University of Maryland - Baltimore			
2018 Endowment	1,322,818	313,244	Substituted 2018 VSE.
University of Maryland - Baltimore County			
2018 Endowment	1,322,818	96,845	Substituted 2018 VSE.
University of Maryland - College Park			
2018 Endowment	355,272	605,540	Substituted 2018 VSE.
University of Massachusetts - Amherst			
2018 Endowment	842,858	346,953	Substituted 2018 VSE.
University of Massachusetts Medical School - Worcester			
2018 Endowment	842,858	22,396	Substituted 2018 VSE.
University of Miami			
2018 Giving		180,100	Substituted data from university factbook.

Data Notes for Universities with Over \$40 Million in Federal Research			
University / Statistics	Original Data (dollars in thousands)	MUP Data (dollars in thousands)	Comments
University of Michigan - Ann Arbor			
2018 Endowment		11,901,760	Estimate at least 97% is main campus.
2018 Giving		490,035	Estimate at least 97% is main campus.
University of Minnesota - Twin Cities			
2018 Endowment		3,717,476	Estimate at least 97% is main campus.
2018 Giving	385,159	367,442	Estimate 95.4% based on IPEDS and university documents.
University of Missouri - Columbia			
2018 Endowment	1,675,019	1,005,121	Substituted 2018 VSE.
University of Nebraska - Lincoln			
2018 Endowment	1,398,207	978,745	Estimate 70.0% based on 2018 IPEDS.
2018 Giving	240,794	117,989	Estimate 49% based on 2018 IPEDS.
University of Nebraska Medical Center			
2018 Endowment	1,398,207	279,641	Estimate 20% based on 2018 IPEDS.
2018 Giving	240,794	96,300	Estimate 40% based on 2018 IPEDS.
University of Nevada - Reno			
2018 Endowment	333,916	338,894	Revised 2017 NACUBO.
University of New Hampshire - Durham			
2018 Endowment		389,492	Substituted 2018 IPEDS.
2018 Giving		25,000	Estimate based on 2017 and 2019 giving data reported to VSE.
University of New Mexico - Albuquerque			
2018 Giving		75,639	Estimate at least 97% is main campus.
University of North Dakota			
2017 Endowment	268,375	265,616	Revised 2017 NACUBO.
University of Oklahoma - Health Sciences Center			
2018 Endowment	1,735,527	570,988	Estimate 32.9% based on data provided by University of Oklahoma foundation.
2017 Federal Research	126,510	56,162	Estimate 44.4% based on university documents.
2018 Giving	119,219	11,922	Estimate 10% based on 2018 IPEDS.
2017 Total Research	250,627	122,373	Estimate 48.8% based on university documents.
University of Oklahoma - Norman			
2018 Endowment	1,735,527	1,164,539	Estimate 67.1% based on data provided by University of Oklahoma foundation.
2017 Federal Research	126,510	70,348	Estimate 55.6% based on university documents.
2018 Giving	119,219	107,297	Estimate 90% based on 2018 IPEDS.
2017 Total Research	250,627	128,254	Estimate 51.2% based on university documents.

The Top American Research Universities

Data Notes for Universities with Over \$40 Million in Federal Research			
University / Statistics	Original Data (dollars in thousands)	MUP Data (dollars in thousands)	Comments
University of Rhode Island			
2018 Endowment	145,563	128,520	Revised 2017 NACUBO.
University of South Carolina - Columbia			
2018 Endowment	809,937	761,784	Estimate 94.1% based on IPEDS.
2018 Giving		110,419	Estimate at least 97% is main campus.
University of South Florida - Tampa			
2018 Endowment		480,427	Estimate at least 97% is main campus.
2018 Giving		56,208	Estimate at least 97% is main campus.
University of Southern California			
2017 Endowment	5,128,459	5,130,520	Revised 2017 NACUBO
University of Tennessee - Knoxville			
2018 Endowment	1,298,212	709,776	Substituted 2018 VSE.
University of Texas - Austin			
2018 Endowment	30,886,018	13,750,233	Substituted 2018 VSE.
University of Texas - El Paso			
2018 Endowment	30,886,018	262,396	Substituted 2018 VSE.
University of Texas Health Science Center - Houston			
2018 Endowment	30,886,018	528,594	Substituted 2018 VSE.
University of Texas Health Science Center - San Antonio			
2018 Endowment	30,886,018	592,869	Substituted 2018 VSE.
University of Texas MD Anderson Cancer Center			
2018 Endowment	30,886,018	1,393,379	Substituted 2018 VSE.
University of Texas Medical Branch - Galveston			
2018 Endowment	30,886,018	573,320	Substituted 2018 VSE.
University of Texas SW Medical Center - Dallas			
2018 Endowment	30,886,018	1,990,654	Substituted 2018 VSE.
University of Vermont			
2018 Endowment		554,985	Substituted 2018 VSE. Did not report to NACUBO.
University of Washington - Seattle			
2018 Endowment		2,764,166	Estimate at least 97% is main campus.
2018 Giving		681,053	Estimate at least 97% is main campus.
University of Wisconsin - Madison			
2018 Endowment	2,985,251	3,365,989	Substituted 2018 VSE.
University of Wyoming			
2018 Endowment		550,909	Combined university and foundation.

Data Notes for Universities with Over \$40 Million in Federal Research			
University / Statistics	Original Data (dollars in thousands)	MUP Data (dollars in thousands)	Comments
Washington State University - Pullman			
2018 Endowment		1,024,380	Estimate at least 97% is main campus.
2018 Giving		85,128	Estimate at least 97% is main campus.
Washington University in St. Louis			
2017 Endowment	7,860,774	7,130,514	Revised 2017 NACUBO.
Weill Cornell Medical College			
2018 Endowment	7,230,291	1,597,894	Estimate 22.1% based on published documents.
2017 Federal Research	435,355	155,830	Estimate 35.8% based on university documents.
2018 Giving	507,295	96,386	Estimate 19% based on 2018 IPEDS.
2017 Total Research	963,166	371,465	Estimate 38.6% based on university documents.
Yeshiva University			
2017 Endowment	644,570	657,569	Revised 2017 NACUBO.

The Center for Measuring University Performance Publications

The Top American Research Universities. (MUP Center Reports, 2000-2019). [<http://mup.umass.edu/publications>]

America's Research Universities: Is the Enterprise Model Sustainable?, 2017.

American Research Universities in an Era of Change: 2006-2015, 2016.

What's in a Name? The Classification of Research Universities, 2015.

Tracking Academic Research Funding: The Competitive Context for the Last Ten Years, 2014.

The Best American Research Universities Ranking: Four Perspectives, 2013.

Measuring Research Performance: National and International Perspectives, 2012.

Moving Up: The Marketplace for Federal Research in America, 2011.

In Pursuit of Number One, 2010.

Research University Competition and Financial Challenges, 2009.

Competition and Restructuring the American Research University, 2008.

Rankings, Competition, and the Evolving American University, 2007.

Deconstructing University Rankings: Medicine and Engineering, and Single Campus Research Competitiveness, 2005.

Measuring and Improving Research Universities: TheCenter at Five Years, 2004.

The Sports Imperative in America's Research Universities, 2003.

University Organization, Governance, and Competitiveness, 2002.

Quality Engines: The Competitive Context for Research Universities, 2001.

The Myth of Number One: Indicators of Research University Performance, 2000.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

The Center for Measuring University Performance Advisory Board

Chaouki T. Abdallah

Executive Vice President for Research
Professor of Electrical & Computer Engineering
Georgia Institute of Technology

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, LLC

Gerardo M. Gonzalez

Dean Emeritus
Professor, Educational Leadership and Policy Studies
School of Education
Indiana University

Roger Kaufman (d. 2020)

Professor Emeritus, Educational Psychology and
Learning Systems
Florida State University

Winfred M. Phillips

Executive Chief of Staff
Professor of Mechanical Engineering
Don and Ruth Eckis Professor of Biomedical Engineering
University of Florida

The Center for Measuring University Performance Staff

John V. Lombardi

MUP Center Director
Professor of History, University of Massachusetts Amherst
President Emeritus, University of Florida

Craig W. Abbey

Research Director, MUP Center
Vice Provost for Institutional Analysis and Planning
University at Buffalo

Diane D. Craig

Research Associate, MUP Center
University of Florida

Lynne N. Collis

Administrative Services, MUP Center

The Top American Research Universities



**UMASS
AMHERST**

UF | UNIVERSITY of
FLORIDA

The Center for Measuring University Performance

UMass Amherst, Amherst, MA

University of Florida, Gainesville, FL

ISBN 978-0-9856170-9-7



9 780985 617097