

## Higher Education Research and Development: Fiscal Year 2010

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### General Notes

The data presented in this report were compiled from the National Science Foundation (NSF) FY 2010 Higher Education Research and Development (HERD) Survey. The HERD Survey is a revision of the previous annual collection, the Survey of Research and Development Expenditures at Universities and Colleges, which was conducted from FY 1972 through FY 2009. ICF International currently conducts the survey under contract to NSF.

The survey is conducted annually, and its reference period is the fiscal year of the surveyed institution. It collects the separately budgeted research and development expenditures reported by universities and colleges.

Terms used in institutional accounting procedures, incorporated throughout the tables, are defined below.

- *Separately budgeted R&D expenditures.* All funds expended for activities specifically organized to produce research outcomes. These activities are either commissioned by an agency external to the institution or are separately budgeted by an organizational unit within the institution.
- *Expenditures.* Funds actually spent by an institution during its fiscal year.
- *Separately budgeted R&D equipment purchased from current funds.* All research equipment purchased under research project accounts.
- *Imputation and imputed data.* The computerized process by which NSF develops estimates of data when institutions do not provide information on request. Estimates for questions included in the previous version of the survey are based on key data items reported in prior-year surveys. When these key data items are not available, estimates are derived from data of respondent institutions that have similar characteristics, including highest degree granted and type of institutional control (public or private). Estimates for questions that are new to the revised version of the survey are calculated using a set of core predictors that are highly correlated with most of the survey questions. In this publication, the letter "i" is used to identify imputed data.

Data presented in trend tables were compiled from the most recently completed survey cycle. Prior-year data have been reviewed for consistency with current-year responses and, when necessary, have been revised in consultation with institutional respondents. Institutions revise data from previous years when important changes occur in reporting practices and program classifications, and only the latest tables incorporate such changes. For accurate historical data, use only the most recently published detailed statistical tables.

## Data Tables

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Table **Trends in higher education R&D expenditures**

FY 1953–2010

- 1 by source of funds and R&D field
- 2 total and federally financed, by character of work

FY 2003–10

- 3 by R&D field
- 4 federally financed, by R&D field

**Higher education R&D expenditures: 2010**

by source of funds

- 5 all sources, by R&D field
  - 6 federal sources, by agency and R&D field
- by source of funds, highest degree granted, and institutional control
- 7 all sources, by character of work
  - 8 foreign sources
  - 9 external sources, by type of agreement
  - 10 American Recovery and Reinvestment Act of 2009

by institutional control

- 11 by type of cost and highest degree granted
- 12 within medical schools
- 13 for clinical trials, by source and highest degree granted
- 14 for equipment, by R&D field and source of funds

**Institution rankings: FY 2010**

ranked by all R&D expenditures

- 15 by source of funds
  - 16 by R&D field
- ranked by all federal R&D expenditures
- 17 federally financed, by R&D field
  - 18 federally financed, by federal agency
- minority-serving institutions, ranked by all R&D expenditures
- 19 historically black colleges and universities, by source of funds
  - 20 high-Hispanic-enrollment institutions, by source of funds

**Expenditures in R&D fields: FY 2010**

total and federally financed, ranked by field's total R&D

- 21 in computer sciences
- 22 in environmental sciences, by subfield
- 23 in life sciences, by subfield
- 24 in mathematical sciences

- 25 in physical sciences, by subfield
- 26 in psychology
- 27 in social sciences, by subfield
- in engineering, by subfield
- 28 total expenditures
- 29 federally financed expenditures
- in non-science and engineering fields, ranked by all non-S&E R&D, by subfield
- 30 total expenditures
- 31 federally financed expenditures

**Geographic distribution**

- by state, institutional control, and institution
- 32 total expenditures: FY 2003–10
- 33 by source of funds: FY 2010

**R&D expenditures passed through to and received as subrecipients: FY 2010**

- total and federally financed, by state, institutional control, and institution
- 34 received as a subrecipient
- 35 passed through to subrecipient

**R&D personnel at higher education institutions**

- 36 by state, institutional control and institution: FY 2010

TABLE 1. Higher education R&D expenditures, by source of funds and R&D field: FY 1953–2010  
(Dollars in millions)

R&D field and fiscal year	All R&D expenditures	Source of funds				
		Federal government	State and local government	Business	Institution funds	All other sources <sup>a</sup>
Total, S&E and non-S&E <sup>b</sup>						
2003	41,470	25,307	na	na	na	na
2004	44,839	28,304	na	na	na	na
2005	47,535	29,957	na	na	na	na
2006	49,645	30,909	na	na	na	na
2007	51,590	31,241	na	na	na	na
2008	54,114	32,101	na	na	na	na
2009	57,289	33,443	na	na	na	na
2010	61,235	37,488	3,854	3,209	11,897	4,787
Total, non-S&E <sup>b</sup>						
2003	1,393	554	na	na	na	na
2004	1,601	677	na	na	na	na
2005	1,761	770	na	na	na	na
2006	1,887	777	na	na	na	na
2007	2,095	810	na	na	na	na
2008	2,242	829	na	na	na	na
2009	2,425	866	na	na	na	na
2010	2,897	984	248	80	1,255	329
Total, S&E						
1953	255	138	37	19	35	26
1954	290	160	42	22	38	28
1955	312	169	47	25	41	30
1956	372	213	53	29	43	34
1957	410	229	60	34	49	38
1958	456	254	68	39	53	42
1959	526	306	76	39	58	47
1960	646	405	85	40	64	52
1961	763	500	95	40	70	58
1962	904	613	106	40	79	66
1963	1,081	760	118	41	89	73
1964	1,275	917	132	40	103	83
1965	1,474	1,073	143	41	124	93
1966	1,715	1,261	156	42	148	108
1967	1,921	1,409	164	48	181	119
1968	2,149	1,572	172	55	218	132
1969	2,225	1,600	197	60	223	145
1970	2,335	1,647	219	61	243	165
1971	2,500	1,724	255	70	274	177
1972	2,630	1,795	270	74	305	187
1973	2,884	1,985	295	84	318	202
1974	3,023	2,032	307	96	370	218
1975	3,409	2,288	332	113	417	259
1976	3,729	2,512	364	123	446	285
1977	4,067	2,726	374	139	514	314
1978 <sup>c</sup>	4,625	3,059	414	170	623	359
1979	5,366	3,598	472	193	735	368
1980	6,063	4,098	491	236	835	403
1981	6,847	4,571	546	291	1,004	435
1982	7,324	4,768	616	337	1,111	491

TABLE 1. Higher education R&D expenditures, by source of funds and R&D field: FY 1953–2010  
(Dollars in millions)

R&D field and fiscal year	All R&D expenditures	Source of funds				
		Federal government	State and local government	Business	Institution funds	All other sources <sup>a</sup>
1983	7,882	4,989	626	389	1,302	576
1984	8,620	5,431	690	475	1,411	613
1985	9,687	6,064	752	560	1,617	694
1986	10,928	6,712	915	700	1,869	732
1987	12,153	7,343	1,023	790	2,168	828
1988	13,463	8,193	1,106	872	2,356	935
1989	14,979	8,993	1,224	994	2,698	1,071
1990	16,290	9,640	1,324	1,127	3,006	1,191
1991	17,589	10,238	1,474	1,204	3,367	1,307
1992	18,821	11,095	1,491	1,279	3,548	1,409
1993	19,954	11,960	1,559	1,360	3,589	1,486
1994	21,035	12,654	1,555	1,423	3,828	1,575
1995	22,179	13,337	1,690	1,489	4,048	1,614
1996	23,055	13,847	1,812	1,606	4,172	1,619
1997	24,380	14,321	1,910	1,737	4,699	1,712
1998	25,867	15,159	1,945	1,889	5,004	1,871
1999	27,544	16,112	2,022	2,033	5,382	1,995
2000	30,084	17,548	2,200	2,156	5,925	2,255
2001	32,801	19,227	2,320	2,218	6,614	2,422
2002	36,383	21,856	2,504	2,191	7,133	2,698
2003	40,077	24,753	2,645	2,161	7,663	2,856
2004	43,238	27,627	2,879	2,129	7,752	2,851
2005	45,774	29,187	2,940	2,291	8,265	3,092
2006	47,759	30,132	2,966	2,401	9,062	3,198
2007	49,495	30,430	3,151	2,675	9,718	3,521
2008	51,872	31,272	3,438	2,869	10,378	3,916
2009	54,863	32,576	3,650	3,197	11,147	4,293
2010	58,338	36,503	3,605	3,130	10,642	4,458

na = not applicable; non-S&E data by source were not collected prior to FY 2010.

S&E = science and engineering.

<sup>a</sup> Prior to FY 2010, R&D expenditures from nonprofit organizations were collected under all other sources. In FY 2010 these data were collected separately and included \$3,764,291 in R&D expenditures from nonprofit sources.

<sup>b</sup> From FY 2003 through FY 2009 total R&D expenditures and non-S&E R&D expenditures are lower-bound estimates for national totals because (1) non-S&E R&D totals were collected only from institutions with S&E R&D, and (2) National Science Foundation did not attempt to estimate for nonresponse on non-S&E R&D expenditures item.

<sup>c</sup> FY 1978 data are estimated based on data collected from doctorate-granting institutions only.

NOTE: Because of rounding, detail may not add to total.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey.

TABLE 2. Total and federally financed higher education R&D expenditures, by character of work: FY 1953–2010

(Dollars in millions)

Fiscal year	Total					Federal				
	All R&D expenditures <sup>a</sup>	Basic research		Applied R&D		All federal R&D expenditures	Basic research		Applied R&D	
		Amount	Percent	Amount	Percent		Amount	Percent	Amount	Percent
1953	255	110	43.1	145	56.9	138	na	na	na	na
1954	290	136	46.9	154	53.1	160	na	na	na	na
1955	312	159	51.0	153	49.0	169	na	na	na	na
1956	372	200	53.8	172	46.2	213	na	na	na	na
1957	410	240	58.5	170	41.5	229	na	na	na	na
1958	456	281	61.6	175	38.4	254	na	na	na	na
1959	526	343	65.2	183	34.8	306	na	na	na	na
1960	646	433	67.0	213	33.0	405	na	na	na	na
1961	763	536	70.2	227	29.8	500	na	na	na	na
1962	904	659	72.9	245	27.1	613	na	na	na	na
1963	1,081	814	75.3	267	24.7	760	na	na	na	na
1964	1,275	1,003	78.7	272	21.3	917	na	na	na	na
1965	1,474	1,138	77.2	336	22.8	1,073	na	na	na	na
1966	1,715	1,303	76.0	412	24.0	1,261	na	na	na	na
1967	1,921	1,457	75.8	464	24.2	1,409	na	na	na	na
1968	2,149	1,650	76.8	499	23.2	1,572	na	na	na	na
1969	2,225	1,711	76.9	514	23.1	1,600	na	na	na	na
1970	2,335	1,796	76.9	539	23.1	1,647	na	na	na	na
1971	2,500	1,914	76.6	586	23.4	1,724	na	na	na	na
1972	2,630	2,022	76.9	608	23.1	1,795	1,420	79.1	375	20.9
1973	2,884	2,053	71.2	831	28.8	1,985	1,454	73.2	531	26.8
1974	3,023	2,154	71.3	869	28.7	2,032	1,523	74.9	509	25.1
1975	3,409	2,410	70.7	999	29.3	2,288	1,695	74.1	593	25.9
1976	3,729	2,549	68.4	1,180	31.6	2,512	1,841	73.3	671	26.7
1977	4,067	2,800	68.8	1,267	31.2	2,726	2,007	73.6	720	26.4
1978 <sup>b</sup>	4,625	na	na	na	na	3,059	na	na	na	na
1979	5,366	3,619	67.4	1,747	32.6	3,598	2,577	71.6	1,022	28.4
1980	6,063	4,036	66.6	2,026	33.4	4,098	2,861	69.8	1,237	30.2
1981	6,847	4,594	67.1	2,253	32.9	4,571	3,260	71.3	1,311	28.7
1982	7,324	4,879	66.6	2,445	33.4	4,768	3,402	71.3	1,367	28.7
1983	7,882	5,303	67.3	2,579	32.7	4,989	3,547	71.1	1,442	28.9
1984	8,620	5,733	66.5	2,887	33.5	5,431	3,830	70.5	1,601	29.5
1985	9,687	6,556	67.7	3,131	32.3	6,064	4,343	71.6	1,722	28.4
1986	10,928	7,492	68.6	3,435	31.4	6,712	4,868	72.5	1,844	27.5
1987	12,153	8,393	69.1	3,760	30.9	7,343	5,375	73.2	1,968	26.8
1988	13,463	8,894	66.1	4,569	33.9	8,193	5,678	69.3	2,515	30.7
1989	14,979	9,793	65.4	5,186	34.6	8,993	6,195	68.9	2,797	31.1
1990	16,290	10,645	65.3	5,645	34.7	9,640	6,649	69.0	2,991	31.0

TABLE 2. Total and federally financed higher education R&D expenditures, by character of work: FY 1953–2010

(Dollars in millions)

Fiscal year	Total					Federal				
	All R&D expenditures <sup>a</sup>	Basic research		Applied R&D		All federal R&D expenditures	Basic research		Applied R&D	
		Amount	Percent	Amount	Percent		Amount	Percent	Amount	Percent
1991	17,589	11,607	66.0	5,982	34.0	10,238	7,128	69.6	3,110	30.4
1992	18,821	12,516	66.5	6,305	33.5	11,095	7,718	69.6	3,377	30.4
1993	19,954	13,303	66.7	6,651	33.3	11,960	8,398	70.2	3,562	29.8
1994	21,035	13,989	66.5	7,046	33.5	12,654	8,878	70.2	3,775	29.8
1995	22,179	14,812	66.8	7,367	33.2	13,337	9,399	70.5	3,938	29.5
1996	23,055	15,481	67.1	7,574	32.9	13,847	9,868	71.3	3,978	28.7
1997	24,380	16,602	68.1	7,778	31.9	14,321	10,316	72.0	4,006	28.0
1998	25,867	19,058	73.7	6,810	26.3	15,159	11,862	78.2	3,298	21.8
1999	27,544	20,450	74.2	7,094	25.8	16,112	12,746	79.1	3,365	20.9
2000	30,084	22,547	74.9	7,537	25.1	17,548	13,936	79.4	3,611	20.6
2001	32,801	24,392	74.4	8,409	25.6	19,227	15,038	78.2	4,188	21.8
2002	36,383	27,363	75.2	9,019	24.8	21,856	17,262	79.0	4,593	21.0
2003	40,077	30,105	75.1	9,973	24.9	24,753	19,627	79.3	5,126	20.7
2004	43,238	31,957	73.9	11,281	26.1	27,627	21,353	77.3	6,274	22.7
2005	45,774	34,353	75.0	11,421	25.0	29,187	22,885	78.4	6,302	21.6
2006	47,759	36,082	75.5	11,677	24.5	30,132	23,697	78.6	6,434	21.4
2007	49,495	37,726	76.2	11,769	23.8	30,430	24,001	78.9	6,429	21.1
2008	51,872	39,322	75.8	12,550	24.2	31,272	24,430	78.1	6,842	21.9
2009	54,863	40,914	74.6	13,950	25.4	32,576	25,025	76.8	7,551	23.2
2010 <sup>a</sup>	61,235	40,741	66.5	20,494	33.5	37,488	25,627	68.4	11,860	31.6

na = not applicable; separate data for federally financed basic research and applied R&D were not collected for these years.

<sup>a</sup> Totals for FY 1953–2009 represent R&D expenditures in science and engineering (S&E) fields only. FY 2010 totals include R&D expenditures in S&E fields and non-S&E fields. Beginning in FY 2010, character of work data were collected for R&D expenditures in both S&E and non-S&E fields.

<sup>b</sup> FY 1978 data are estimated based on data collected from doctorate-granting institutions only.

NOTES: Prior to FY 2010, R&D expenditures by character of work were based on percentage estimates of basic research provided by universities and colleges. In FY 2010 institutions were asked for dollar amounts of federally funded and nonfederally funded R&D expenditures for basic research, applied research, and development. Because of rounding, detail may not add to total. Character of work estimation procedure was revised for FY 1998 and later years; hence, these data are not directly comparable with data for FY 1997 and earlier years.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey.

TABLE 3. Higher education R&D expenditures, by R&D field: FY 2003–10  
(Dollars in thousands)

Field	2003	2004	2005	2006	2007	2008	2009	2010
All R&D fields <sup>a</sup>	41,470,419	44,838,918	47,535,201	49,645,341	51,590,356	54,113,919	57,288,597	61,234,893
Science	34,083,432	36,923,372	39,030,577	40,663,615	41,977,976	43,914,462	46,214,648	48,993,903
Computer sciences	1,303,446	1,403,957	1,404,105	1,443,055	1,430,660	1,471,454	1,600,447	1,657,636
Environmental sciences	2,194,060	2,353,383	2,554,468	2,601,097	2,681,628	2,798,828	2,923,492	2,990,077
Atmospheric sciences	396,134	414,583	460,020	507,583	446,184	423,055	416,826	428,269
Earth sciences	723,517	827,988	919,718	897,499	911,040	950,708	1,019,516	1,085,226
Oceanography	769,831	778,841	812,061	839,504	992,485	1,051,137	1,077,635	1,021,880
Environmental sciences, nec	304,578	331,971	362,669	356,511	331,919	373,928	409,515	454,702
Life sciences	23,756,233	25,948,910	27,604,138	28,803,658	29,805,374	31,192,914	32,778,935	34,902,793
Agricultural sciences	2,555,147	2,695,390	2,656,770	2,796,961	2,913,260	2,995,518	3,055,512	2,984,189
Biological sciences	7,383,636	8,152,337	8,843,679	9,049,032	9,207,514	9,759,967	10,145,915	10,947,345
Medical sciences	12,779,281	14,036,843	14,877,626	15,805,806	16,553,741	17,254,291	18,229,588	19,164,242
Life sciences, nec	1,038,169	1,064,340	1,226,063	1,151,859	1,130,859	1,183,138	1,347,920	1,807,017
Mathematical sciences	427,858	448,466	494,282	532,832	573,070	619,854	546,915	598,921
Physical sciences	3,275,307	3,546,916	3,702,783	3,813,770	3,863,269	3,931,833	4,282,795	4,624,575
Astronomy	392,120	420,391	454,354	469,955	467,604	539,112	578,406	572,733
Chemistry	1,225,546	1,318,137	1,371,984	1,414,311	1,460,415	1,486,721	1,582,562	1,751,352
Physics	1,417,536	1,522,056	1,596,290	1,611,248	1,615,766	1,606,997	1,869,890	2,002,723
Physical sciences, nec	240,105	286,332	280,155	318,256	319,484	299,003	251,937	297,767
Psychology	769,233	782,464	825,009	875,641	872,547	925,069	972,319	1,076,860
Social sciences	1,673,865	1,674,842	1,684,610	1,706,003	1,803,146	1,949,773	2,080,986	1,992,974
Economics	313,452	317,210	324,685	339,800	349,331	398,748	379,739	352,736
Political sciences	303,799	307,351	323,053	317,044	348,310	339,294	368,887	372,812
Sociology	368,054	355,145	370,468	399,697	397,749	403,227	408,443	415,529
Social sciences, nec	688,560	695,136	666,404	649,462	707,756	808,504	923,917	851,897
Sciences, nec	683,430	764,434	761,182	887,559	948,282	1,024,737	1,028,759	1,150,067
Engineering	5,993,939	6,314,421	6,743,373	7,095,085	7,517,276	7,957,511	8,648,532	9,344,197
Aeronautical/astronautical engineering	405,666	436,567	445,170	385,254	471,097	537,251	613,828	625,290
Bioengineering/biomedical engineering	313,085	370,149	419,625	477,119	539,137	601,908	648,099	741,317
Chemical engineering	453,203	492,836	505,975	560,005	598,944	655,603	695,842	797,416
Civil engineering	775,470	788,877	787,548	858,346	862,260	924,620	980,451	1,063,961
Electrical engineering	1,400,413	1,437,893	1,581,700	1,615,996	1,636,983	1,704,953	1,844,482	2,012,209
Mechanical engineering	820,290	874,933	935,302	1,048,506	1,126,726	1,162,428	1,243,910	1,433,962
Metallurgical/materials engineering	548,254	565,367	612,016	643,244	632,941	646,523	688,225	908,444
Engineering, nec	1,277,558	1,347,799	1,456,037	1,506,615	1,649,188	1,724,225	1,933,695	1,761,598
Non-S&E <sup>a</sup>	1,393,048	1,601,125	1,761,251	1,886,641	2,095,104	2,241,946	2,425,417	2,896,793
Business and management	170,271	216,807	220,187	247,335	276,280	329,931	343,916	360,285
Communications, journalism, and library science	55,603	73,732	75,582	84,784	90,832	89,203	107,484	157,254
Education	604,989	711,323	766,416	819,004	905,247	868,830	915,976	986,720
Humanities	138,080	168,541	192,309	217,263	241,683	246,713	255,289	258,668
Law	42,774	52,671	63,118	69,387	74,809	90,907	107,966	96,213
Social work	55,884	74,557	87,344	89,993	93,540	123,984	138,283	175,314
Visual and performing arts	39,155	37,750	42,135	46,100	46,155	59,285	72,867	64,231
Non-S&E, nec	244,550	242,336	314,019	312,774	366,448	432,965	483,636	798,108

nec = not elsewhere classified; S&E = science and engineering.

<sup>a</sup> From FY 2003 through FY 2009 totals for all fields of R&D expenditures and totals for non-S&E are lower-bound estimates for national totals because National Science Foundation did not attempt to estimate for nonresponse on non-S&E R&D expenditures item.

NOTE: Non-S&E detailed field data may not sum to total non-S&E R&D expenditures because some institutions reporting non-S&E R&D expenditures did not break out total and federal funds by non-S&E fields.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey.



TABLE 4. Federally financed higher education R&D expenditures, by R&D field: FY 2003–10  
(Dollars in thousands)

Field	2003	2004	2005	2006	2007	2008	2009	2010
All R&D fields <sup>a</sup>	25,307,038	28,303,897	29,956,714	30,908,742	31,240,790	32,100,966	33,442,659	37,487,673
Science	21,140,951	23,720,765	25,056,944	25,823,786	25,974,534	26,546,902	27,541,226	30,770,896
Computer sciences	935,873	1,024,363	1,020,758	1,018,483	1,025,809	1,036,436	1,106,879	1,174,800
Environmental sciences	1,445,886	1,596,121	1,729,905	1,767,996	1,807,691	1,827,968	1,890,470	2,014,234
Atmospheric sciences	297,790	320,856	361,862	406,606	354,500	337,720	322,239	338,464
Earth sciences	439,604	536,716	615,785	591,714	601,428	603,223	645,126	735,912
Oceanography	537,255	546,973	545,509	560,990	671,710	686,106	711,758	666,936
Environmental sciences, nec	171,237	191,576	206,749	208,686	180,053	200,919	211,347	272,922
Life sciences	14,651,424	16,666,676	17,692,078	18,279,831	18,326,613	18,659,249	19,322,816	21,686,463
Agricultural sciences	764,261	866,940	844,413	883,383	897,109	862,443	863,378	955,959
Biological sciences	5,018,179	5,743,194	6,198,215	6,246,792	6,188,668	6,361,214	6,621,495	7,564,364
Medical sciences	8,242,517	9,389,023	9,896,496	10,438,130	10,563,250	10,748,831	11,057,667	12,066,037
Life sciences, nec	626,467	667,519	752,954	711,526	677,586	686,761	780,276	1,100,103
Mathematical sciences	294,623	317,764	345,942	374,931	408,608	447,399	368,730	418,995
Physical sciences	2,355,129	2,568,191	2,671,293	2,700,154	2,688,879	2,742,953	2,963,115	3,380,137
Astronomy	271,580	289,271	310,897	317,423	305,545	353,111	387,905	405,131
Chemistry	819,118	920,749	952,197	968,134	975,723	992,275	1,037,432	1,201,243
Physics	1,087,480	1,168,717	1,225,968	1,215,517	1,219,721	1,215,264	1,360,805	1,556,125
Physical sciences, nec	176,951	189,454	182,231	199,080	187,890	182,303	176,973	217,638
Psychology	552,984	586,204	609,456	629,253	603,423	634,857	656,196	760,007
Social sciences	667,976	696,142	697,034	712,628	762,714	816,056	854,748	897,468
Economics	106,433	109,044	108,956	120,316	124,401	127,685	121,542	126,963
Political sciences	96,853	112,110	112,124	106,991	134,811	124,970	137,282	155,108
Sociology	179,617	181,771	193,689	216,449	206,882	202,619	201,872	223,264
Social sciences, nec	285,073	293,217	282,265	268,872	296,620	360,782	394,052	392,133
Sciences, nec	237,056	265,304	290,478	340,510	350,797	381,984	378,272	438,792
Engineering	3,611,963	3,906,505	4,129,598	4,307,793	4,455,851	4,724,848	5,035,003	5,732,357
Aeronautical/astronautical engineering	309,384	334,059	335,130	287,578	340,102	399,378	431,389	466,388
Bioengineering/biomedical engineering	190,068	235,617	254,874	294,830	320,808	364,144	385,536	483,017
Chemical engineering	247,915	268,024	295,339	319,993	322,324	341,043	359,726	419,056
Civil engineering	326,436	347,499	337,133	334,655	355,597	385,333	400,280	459,144
Electrical engineering	925,005	970,763	1,046,787	1,076,684	1,065,059	1,111,187	1,200,129	1,372,652
Mechanical engineering	532,055	587,282	626,120	685,716	695,961	737,220	800,903	953,696
Metallurgical/materials engineering	313,784	352,062	369,238	386,147	377,631	376,879	389,255	437,146
Engineering, nec	767,316	811,199	864,977	922,190	978,369	1,009,664	1,067,785	1,141,258
Non-S&E <sup>a</sup>	554,124	676,627	770,172	777,163	810,405	829,216	866,430	984,420
Business and management	33,495	50,017	51,912	52,569	54,612	65,318	67,456	83,571
Communications, journalism, and library science	17,206	25,480	26,392	29,915	30,998	28,652	29,609	60,060
Education	313,815	414,871	429,057	436,424	473,204	448,853	474,571	537,271
Humanities	33,483	39,691	57,903	56,216	60,071	56,090	60,248	57,696
Law	12,839	19,596	27,681	28,261	29,590	28,476	23,206	19,325
Social work	18,419	27,468	25,774	40,685	40,657	59,163	61,899	94,423
Visual and performing arts	4,137	4,357	3,999	3,604	4,012	3,722	4,193	4,819
Non-S&E, nec	99,619	89,529	147,454	129,489	117,261	138,942	145,248	127,255

nec = not elsewhere classified; S&E = science and engineering.

<sup>a</sup> From FY 2003 through FY 2009 totals for all fields of R&D expenditures and totals for non-S&E are lower-bound estimates for national totals because National Science Foundation did not attempt to estimate for nonresponse on non-S&E R&D expenditures item.

NOTE: Non-S&E detailed field data may not sum to total non-S&E R&D expenditures because some institutions reporting non-S&E R&D expenditures did not break out total and federal funds by non-S&E fields.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey.

TABLE 5. Higher education R&D expenditures, by source of funds and R&D field: FY 2010  
(Dollars in thousands)

Field	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
All R&D fields	61,234,893	37,487,673	3,853,598	3,209,441	3,764,291	11,897,220	1,022,670
Science	48,993,903	30,770,896	2,916,688	2,308,175	3,168,475	8,993,965	835,704
Computer sciences	1,657,636	1,174,800	71,050	79,404	43,399	265,568	23,415
Environmental sciences	2,990,077	2,014,234	172,303	128,489	107,588	509,660	57,803
Atmospheric sciences	428,269	338,464	13,840	8,842	8,267	54,296	4,560
Earth sciences	1,085,226	735,912	54,798	51,514	37,076	190,275	15,651
Oceanography	1,021,880	666,936	59,184	38,644	39,935	189,187	27,994
Environmental sciences, nec	454,702	272,922	44,481	29,489	22,310	75,902	9,598
Life sciences	34,902,793	21,686,463	2,147,506	1,817,229	2,487,460	6,125,818	638,317
Agricultural sciences	2,984,189	955,959	855,738	136,435	118,326	858,780	58,951
Biological sciences	10,947,345	7,564,364	498,989	326,177	663,869	1,755,924	138,022
Medical sciences	19,164,242	12,066,037	712,495	1,282,395	1,585,417	3,105,582	412,316
Life sciences, nec	1,807,017	1,100,103	80,284	72,222	119,848	405,532	29,028
Mathematical sciences	598,921	418,995	31,590	10,573	17,217	115,485	5,061
Physical sciences	4,624,575	3,380,137	121,049	124,274	165,416	785,135	48,564
Astronomy	572,733	405,131	12,068	15,656	31,110	101,597	7,171
Chemistry	1,751,352	1,201,243	54,149	68,184	79,898	326,111	21,767
Physics	2,002,723	1,556,125	46,083	30,121	40,420	315,617	14,357
Physical sciences, nec	297,767	217,638	8,749	10,313	13,988	41,810	5,269
Psychology	1,076,860	760,007	51,015	17,117	49,678	190,758	8,285
Social sciences	1,992,974	897,468	199,943	67,312	226,100	564,170	37,981
Economics	352,736	126,963	54,543	18,312	31,025	115,264	6,629
Political sciences	372,812	155,108	25,414	11,861	64,635	107,343	8,451
Sociology	415,529	223,264	28,164	8,410	48,070	101,079	6,542
Social sciences, nec	851,897	392,133	91,822	28,729	82,370	240,484	16,359
Sciences, nec	1,150,067	438,792	122,232	63,777	71,617	437,371	16,278
Engineering	9,344,197	5,732,357	688,801	821,393	313,253	1,647,970	140,423
Aeronautical/astronautical engineering	625,290	466,388	12,285	56,843	3,299	74,166	12,309
Bioengineering/biomedical engineering	741,317	483,017	51,440	32,899	43,897	124,621	5,443
Chemical engineering	797,416	419,056	52,314	114,705	35,989	156,097	19,255
Civil engineering	1,063,961	459,144	187,755	81,724	38,617	275,175	21,546
Electrical engineering	2,012,209	1,372,652	82,642	160,741	68,409	299,836	27,929
Mechanical engineering	1,433,962	953,696	79,230	140,128	32,419	214,289	14,200
Metallurgical/materials engineering	908,444	437,146	119,374	129,327	32,160	185,420	5,017
Engineering, nec	1,761,598	1,141,258	103,761	105,026	58,463	318,366	34,724
Non-S&E	2,896,793	984,420	248,109	79,873	282,563	1,255,285	46,543
Business and management	360,285	83,571	44,571	21,591	44,335	157,758	8,459
Communications, journalism, and library science	157,254	60,060	5,506	4,009	18,121	66,519	3,039
Education	986,720	537,271	86,275	19,489	101,916	233,185	8,584
Humanities	258,668	57,696	12,307	6,794	40,722	134,420	6,729
Law	96,213	19,325	6,245	5,098	21,888	41,412	2,245
Social work	175,314	94,423	23,066	1,373	13,424	40,106	2,922
Visual and performing arts	64,231	4,819	4,377	1,726	7,349	44,799	1,161
Non-S&E, nec	798,108	127,255	65,762	19,793	34,808	537,086	13,404

nec = not elsewhere classified; S&E = science and engineering.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE 6. Federally financed higher education R&D expenditures, by federal agency and R&D field: FY 2010  
(Dollars in thousands)

Field	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
All R&D fields	37,487,673	4,486,332	1,551,514	21,094,289	1,476,128	4,733,881	953,938	3,191,591
Science	30,770,896	2,176,298	963,701	20,328,260	1,003,399	3,503,392	896,224	1,899,622
Computer sciences	1,174,800	428,580	43,868	83,517	19,253	478,805	3,007	117,770
Environmental sciences	2,014,234	229,892	133,643	86,552	308,802	710,263	69,757	475,325
Atmospheric sciences	338,464	31,513	23,897	1,069	110,728	80,538	4,460	86,259
Earth sciences	735,912	51,917	80,752	13,981	152,119	268,768	44,858	123,517
Oceanography	666,936	95,347	11,681	11,835	27,721	301,330	7,540	211,482
Environmental sciences, nec	272,922	51,115	17,313	59,667	18,234	59,627	12,899	54,067
Life sciences	21,686,463	664,383	196,682	18,585,676	79,978	694,824	766,895	698,025
Agricultural sciences	955,959	20,151	52,988	85,485	6,613	95,169	526,213	169,340
Biological sciences	7,564,364	237,749	99,742	6,276,549	37,024	513,139	188,691	211,470
Medical sciences	12,066,037	371,076	30,246	11,324,348	35,283	54,402	32,269	218,413
Life sciences, nec	1,100,103	35,407	13,706	899,294	1,058	32,114	19,722	98,802
Mathematical sciences	418,995	76,096	15,258	42,029	5,655	237,103	3,527	39,327
Physical sciences	3,380,137	524,023	532,199	592,456	558,520	1,039,636	6,883	126,420
Astronomy	405,131	17,456	7,197	728	274,883	92,587	0	12,280
Chemistry	1,201,243	149,695	112,994	515,476	17,265	362,149	3,838	39,826
Physics	1,556,125	310,708	391,160	50,627	221,660	520,765	1,396	59,809
Physical sciences, nec	217,638	46,164	20,848	25,625	44,712	64,135	1,649	14,505
Psychology	760,007	53,020	854	548,570	13,808	75,038	3,821	64,896
Social sciences	897,468	90,929	8,751	298,044	9,623	139,415	39,465	311,241
Economics	126,963	3,519	2,797	27,627	319	23,068	25,336	44,297
Political sciences	155,108	29,539	1,378	41,991	182	22,539	1,599	57,880
Sociology	223,264	8,404	502	117,225	161	38,331	3,195	55,446
Social sciences, nec	392,133	49,467	4,074	111,201	8,961	55,477	9,335	153,618
Sciences, nec	438,792	109,375	32,446	91,416	7,760	128,308	2,869	66,618
Engineering	5,732,357	2,235,867	574,510	581,162	461,610	1,057,606	45,801	775,801
Aeronautical/astronautical engineering	466,388	231,934	14,881	3,373	140,993	17,308	271	57,628
Bioengineering/biomedical engineering	483,017	56,496	10,413	325,168	3,338	57,299	8,163	22,140
Chemical engineering	419,056	97,274	106,082	63,531	8,413	109,788	6,955	27,013
Civil engineering	459,144	55,721	41,834	11,898	12,467	109,817	5,813	221,594
Electrical engineering	1,372,652	748,953	59,371	66,294	81,188	308,527	1,412	106,907
Mechanical engineering	953,696	429,933	153,322	46,402	66,928	147,891	1,945	107,275
Metallurgical/materials engineering	437,146	203,451	68,952	12,639	8,633	110,765	803	31,903
Engineering, nec	1,141,258	412,105	119,655	51,857	139,650	196,211	20,439	201,341
Non-S&E	984,420	74,167	13,303	184,867	11,119	172,883	11,913	516,168
Business and management	83,571	31,831	1,423	4,609	3,717	10,250	2,216	29,525
Communications, journalism, and library science	60,060	1,933	562	17,288	0	7,851	703	31,723
Education	537,271	17,890	1,691	57,866	5,557	121,234	5,093	327,940
Humanities	57,696	8,045	235	6,331	472	11,094	462	31,057
Law	19,325	430	124	2,138	995	2,160	714	12,764
Social work	94,423	556	11	74,775	1	1,253	323	17,504
Visual and performing arts	4,819	25	121	94	15	935	5	3,624
Non-S&E, nec	127,255	13,457	9,136	21,766	362	18,106	2,397	62,031

DOD = Department of Defense; DOE = Department of Energy; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; nec = not elsewhere classified; NSF = National Science Foundation; S&E = science and engineering; USDA = U.S. Department of Agriculture.

<sup>a</sup> Includes all other agencies reported.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE 7. Higher education R&D expenditures, by source, character of work, highest degree granted, and institutional control: FY 2010

(Dollars in thousands)

Type of institution	Total				Federal				Nonfederal			
	All R&D expenditures	Basic research	Applied research	Development	All federal R&D expenditures	Basic research	Applied research	Development	All nonfederal R&D expenditures	Basic research	Applied research	Development
All institutions	61,234,893	40,741,075	15,238,749	5,255,069	37,487,673	25,627,477	9,211,094	2,649,102	23,747,220	15,113,598	6,027,655	2,605,967
Doctorate	60,219,807	40,162,312	14,921,808	5,135,687	36,844,982	25,270,128	9,009,318	2,565,536	23,374,825	14,892,184	5,912,490	2,570,151
Nondoctorate	1,015,086	578,763	316,941	119,382	642,691	357,349	201,776	83,566	372,395	221,414	115,165	35,816
Public	41,180,094	27,389,467	10,291,115	3,499,512	23,341,706	15,907,195	5,645,113	1,789,398	17,838,388	11,482,272	4,646,002	1,710,114
Private	20,054,799	13,351,608	4,947,634	1,755,557	14,145,967	9,720,282	3,565,981	859,704	5,908,832	3,631,326	1,381,653	895,853

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE 8. Higher education R&D expenditures from foreign sources, by highest degree granted and institutional control: FY 2010

(Dollars in thousands)

Type of institution	All R&D expenditures	Foreign sources
All institutions	61,234,893	653,498
Doctorate	60,219,807	651,201
Nondoctorate	1,015,086	2,297
Public	41,180,094	385,225
Private	20,054,799	268,273

NOTE: Total expenditures from foreign sources represent subset of expenditures from business, nonprofit, and all other sources.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE 9. Externally funded higher education R&D expenditures, by highest degree granted, institutional control, and type of agreement: FY 2010  
(Dollars in thousands)

Type of institution	All externally funded R&D expenditures	Type of agreement	
		Contracts	Grants, reimbursements, and all other agreements
All institutions	49,337,673	10,986,286	38,351,387
Doctorate	48,505,193	10,823,463	37,681,730
Nondoctorate	832,480	162,823	669,657
Public	31,901,893	7,340,144	24,561,749
Private	17,435,780	3,646,142	13,789,638

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE 10. Federally financed higher education R&D expenditures funded by the American Recovery and Reinvestment Act of 2009, by highest degree granted and institutional control: FY 2010

(Dollars in thousands)

Type of institution	All federal R&D expenditures	ARRA	Non-ARRA
All institutions	37,487,673	2,656,941	34,830,732
Doctorate	36,844,982	2,615,967	34,229,015
Nondoctorate	642,691	40,974	601,717
Public	23,341,706	1,581,830	21,759,876
Private	14,145,967	1,075,111	13,070,856

ARRA = American Recovery and Reinvestment Act of 2009.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE 11. Higher education R&D expenditures, by type of cost, highest degree granted, and institutional control:  
FY 2010

(Dollars in thousands)

Type of cost	All institutions	Highest degree granted		Institutional control	
		Doctorate	Nondoctorate	Public	Private
All R&D expenditures	61,234,893	60,219,807	1,015,086	41,180,094	20,054,799
Direct costs	46,138,194	45,250,554	887,640	31,646,834	14,491,360
Salaries, wages, and fringe benefits	25,866,220	25,428,858	437,362	18,289,734	7,576,486
Software purchases	147,879	144,895	2,984	80,848	67,031
Noncapitalized	86,851	84,196	2,655	67,974	18,877
Capitalized	61,028	60,699	329	12,874	48,154
Capitalized equipment	2,147,883	2,086,948	60,935	1,456,653	691,230
Passed through to subrecipients	4,964,005	4,909,936	54,069	3,069,031	1,894,974
Other direct costs	13,012,207	12,679,917	332,290	8,750,568	4,261,639
Indirect costs	15,096,699	14,969,253	127,446	9,533,260	5,563,439

NOTE: Cost detail may not sum to all R&D expenditures because some respondents did not break out R&D expenditures by type of cost.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.



TABLE 12. Total R&D expenditures within medical schools, by institutional control: FY 2010  
(Dollars in thousands)

Type of institution	Number of institutions with medical schools	All R&D expenditures	Medical school R&D expenditures
All institutions	143	40,702,900	21,053,799
Public	84	24,625,083	11,324,167
Private	59	16,077,817	9,729,632

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE 13. Higher education R&D expenditures for clinical trials, by source, highest degree granted, and institutional control:  
FY 2010

(Dollars in thousands)

Type of institution	Institutions with clinical trials expenditures (n)	All sources		Federal		Nonfederal	
		All R&D	Clinical trials	All R&D expenditures	Clinical trials	All R&D expenditures	Clinical trials
All institutions	185	43,880,420	1,560,202	27,715,928	546,379	16,164,492	1,013,823
Doctorate	150	43,820,196	1,550,148	27,678,077	540,731	16,142,119	1,009,417
Nondoctorate	35	60,224	10,054	37,851	5,648	22,373	4,406
Public	108	27,391,119	539,591	16,106,434	137,325	11,284,685	402,266
Private	77	16,489,301	1,020,611	11,609,494	409,054	4,879,807	611,557

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE 14. Higher education R&D expenditures for equipment, by R&D field, source of funds, and institutional control: FY 2010  
(Dollars in thousands)

Field	All expenditures			Federal			Nonfederal		
	Total	Public	Private	Total	Public	Private	Total	Public	Private
All R&D fields	2,147,883	1,456,653	691,230	1,351,145	878,794	472,351	796,738	577,859	218,879
Science	1,601,865	1,071,033	530,832	1,043,971	659,705	384,266	557,894	411,328	146,566
Computer sciences	64,614	47,247	17,367	45,796	35,764	10,032	18,818	11,483	7,335
Environmental sciences	150,988	130,848	20,140	115,751	98,906	16,845	35,237	31,942	3,295
Atmospheric sciences	23,745	18,149	5,596	19,658	14,676	4,982	4,087	3,473	614
Earth sciences	52,345	41,823	10,522	35,635	26,910	8,725	16,710	14,913	1,797
Oceanography	58,091	56,280	1,811	46,563	45,345	1,218	11,528	10,935	593
Environmental sciences, nec	16,807	14,596	2,211	13,895	11,975	1,920	2,912	2,621	291
Life sciences	905,489	590,057	315,432	569,026	326,409	242,617	336,463	263,648	72,815
Agricultural sciences	79,396	72,713	6,683	24,896	24,369	527	54,500	48,344	6,156
Biological sciences	394,109	239,090	155,019	279,326	150,736	128,590	114,783	88,354	26,429
Medical sciences	389,483	250,263	139,220	240,718	136,127	104,591	148,765	114,136	34,629
Life sciences, nec	42,501	27,991	14,510	24,086	15,177	8,909	18,415	12,814	5,601
Mathematical sciences	7,874	2,951	4,923	5,145	2,306	2,839	2,729	645	2,084
Physical sciences	363,244	244,606	118,638	274,799	173,345	101,454	88,445	71,261	17,184
Astronomy	23,853	15,380	8,473	18,711	10,827	7,884	5,142	4,553	589
Chemistry	162,016	115,518	46,498	112,875	76,780	36,095	49,141	38,738	10,403
Physics	153,517	104,877	48,640	125,443	80,629	44,814	28,074	24,248	3,826
Physical sciences, nec	23,858	8,831	15,027	17,770	5,109	12,661	6,088	3,722	2,366
Psychology	16,710	11,602	5,108	11,811	7,236	4,575	4,899	4,366	533
Social sciences	14,765	12,217	2,548	6,598	5,012	1,586	8,167	7,205	962
Economics	1,322	882	440	560	355	205	762	527	235
Political sciences	1,261	924	337	658	625	33	603	299	304
Sociology	1,709	1,268	441	951	599	352	758	669	89
Social sciences, nec	10,473	9,143	1,330	4,429	3,433	996	6,044	5,710	334
Sciences, nec	78,181	31,505	46,676	15,045	10,727	4,318	63,136	20,778	42,358
Engineering	512,050	359,448	152,602	297,411	210,756	86,655	214,639	148,692	65,947
Aeronautical/astronautical engineering	34,479	20,405	14,074	18,680	15,573	3,107	15,799	4,832	10,967
Bioengineering/biomedical engineering	39,291	28,703	10,588	24,913	16,535	8,378	14,378	12,168	2,210
Chemical engineering	50,931	37,524	13,407	26,216	17,569	8,647	24,715	19,955	4,760
Civil engineering	34,922	28,717	6,205	16,251	11,472	4,779	18,671	17,245	1,426
Electrical engineering	111,851	83,851	28,000	76,764	57,304	19,460	35,087	26,547	8,540
Mechanical engineering	97,606	57,739	39,867	55,563	38,605	16,958	42,043	19,134	22,909
Metallurgical/materials engineering	65,363	51,868	13,495	30,780	21,151	9,629	34,583	30,717	3,866
Engineering, nec	77,607	50,641	26,966	48,244	32,547	15,697	29,363	18,094	11,269
Non-S&E	33,968	26,172	7,796	9,763	8,333	1,430	24,205	17,839	6,366
Business and management	7,972	3,482	4,490	1,160	974	186	6,812	2,508	4,304
Communications, journalism, and library science	7,871	7,465	406	951	589	362	6,920	6,876	44
Education	6,160	5,492	668	4,264	3,886	378	1,896	1,606	290
Humanities	1,598	876	722	162	116	46	1,436	760	676
Law	451	441	10	17	16	1	434	425	9
Social work	290	248	42	67	67	0	223	181	42
Visual and performing arts	503	413	90	6	6	0	497	407	90
Non-S&E, nec	9,123	7,755	1,368	3,136	2,679	457	5,987	5,076	911

nec = not elsewhere classified; S&E = science and engineering.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2010  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
	All institutions	61,234,893	37,487,673	3,853,598	3,209,441	3,764,291	11,897,220	1,022,670
1	Johns Hopkins U., The <sup>a</sup>	2,004,482	1,737,261	10,346	67,600	90,648	77,460	21,167
2	U. MI-Ann Arbor	1,184,445	747,778	3,322	38,739	47,627	338,515	8,464
3	U. WI-Madison	1,029,295	545,189	96,605	11,594	131,364	208,479	36,064
4	U. WA Seattle	1,022,740	829,885	23,273	91,946	NA	43,506	34,130
5	Duke U.	983,289	514,084	27,356	234,361	90,146	113,351	3,991
6	U. CA, San Diego	943,219	580,279	34,566	67,601	102,356	111,160	47,257
7	U. CA, Los Angeles	936,995	538,521	26,341	54,216	91,173	156,331	70,413
8	U. CA, San Francisco	935,509	514,693	28,189	50,979	128,827	136,560	76,261
9	Stanford U.	839,839	593,016	23,391	61,127	80,769	79,178	2,358
10	U. PA	836,322	642,180	34,390	39,032	60,436	60,112	172
11	U. Pittsburgh main campus	822,491	594,675	12,088	10,135	22,035	183,558	0
12	Columbia U. in the City of New York	807,235	572,213	12,336	35,548	66,681	95,487	24,970
13	U. MN Twin Cities	786,074	426,359	64,719	28,403	69,713	176,789	20,091
14	PA State U. University Park and Hershey Medical Ctr.	770,449	464,750	62,905	64,323	37,607	139,497	1,367
15	U. NC Chapel Hill	755,284	545,993	9,727	26,052	56,847	116,665	0
16	OH State U.	755,194	399,942	106,213	120,101	29,209	83,390	16,339
17	Cornell U.	749,721	448,085	66,521	22,869	71,327	139,150	1,769
18	Washington U. St. Louis	695,974	468,642	19,218	36,777	46,312	90,209	34,816
19	U. CA, Berkeley	694,049	312,789	68,340	85,538	86,953	120,560	19,869
20	TX A&M U.	689,624	288,173	139,411	46,754	18,027	191,115	6,144
21	U. FL	681,548	279,649	98,597	23,426	19,754	251,640	8,482
22	U. CA, Davis	679,915	332,325	60,102	37,159	86,953	160,255	3,121
23	MA Institute of Technology	677,138	457,575	415	102,882	68,919	12,484	34,863
24	Yale U.	623,510	475,794	7,248	19,052	38,624	69,260	13,532
25	GA Institute of Technology	615,833	372,122	10,470	45,672	11,541	170,900	5,128
26	Northwestern U.	603,732	379,648	4,331	13,121	53,190	153,442	NA
27	U. TX M. D. Anderson Cancer Ctr.	599,529	206,664	176,806	50,712	81,656	83,691	0
28	U. Southern CA	592,791	408,564	10,088	44,620	32,659	96,860	0
29	U. TX Austin	589,502	350,308	24,389	56,448	37,423	116,583	4,351
30	U. AZ	586,647	308,157	31,656	19,618	23,975	176,331	26,910
31	Harvard U.	583,361	474,899	2,902	24,135	72,974	0	8,451
32	Purdue U. main campus	548,980	232,564	59,288	29,593	39,288	186,948	1,299
33	Emory U.	529,453	336,986	331	16,363	45,117	128,793	1,863
34	U. IL Urbana-Champaign	515,133	303,852	30,395	13,661	703	133,148	33,374
35	Vanderbilt U.	504,959	397,656	954	10,186	22,366	68,598	5,199
36	U. AL Birmingham, The	489,845	325,103	760	22,660	26,565	114,757	0
37	U. MD College Park	451,415	297,896	16,483	9,118	3,672	117,916	6,330
38	Baylor C. of Medicine	447,874	284,072	2,491	14,213	36,132	88,150	22,816
39	U. IA	444,034	282,465	6,004	15,670	21,767	117,704	424
40	U. Chicago	437,721	352,728	297	19,273	27,523	35,371	2,529
41	MI State U.	431,373	214,134	47,797	3,717	12,817	140,931	11,977
42	Rutgers, the State U. NJ-New Brunswick	428,432	224,894	75,346	10,988	17,870	85,848	13,486
43	U. TX Southwestern Medical Ctr. Dallas	419,220	232,027	49,817	19,616	44,843	42,634	30,283
44	Case Western Reserve U.	418,164	333,689	9,261	6,627	17,536	50,292	759
45	U. Rochester	414,655	322,048	8,993	20,266	12,038	43,308	8,002

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2010  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
46	U. Cincinnati	411,269	262,513	7,419	18,410	24,194	98,733	0
47	VA Polytechnic Institute and State U.	398,169	162,566	97,409	21,256	18,507	95,925	2,506
48	U. CO Denver and Health Sciences Ctr.	389,461	285,126	25,315	28,661	30,054	16,780	3,525
49	Scripps Research Institute, The	387,298	313,746	7,686	19,079	16,603	30,184	NA
50	U. South FL	385,029	243,017	32,548	13,862	12,959	81,294	1,349
51	U. UT	379,200	227,021	1,422	18,060	18,108	113,847	742
52	U. MD Baltimore	374,036	208,246	23,789	17,095	39,357	85,409	140
53	Mt. Sinai School of Medicine	370,666	302,770	7,597	17,230	41,562	917	590
54	NY U.	365,944	260,463	4,317	7,585	23,703	57,023	12,853
55	U. IL Chicago	362,939	232,380	9,216	5,975	23,804	91,564	0
56	CA Institute of Technology	362,172	328,522	1,347	8,138	17,513	3,706	2,946
57	NC State U.	360,795	139,096	98,382	37,097	4,431	81,667	122
58	U. KY	359,944	171,528	41,482	12,157	10,108	124,669	0
59	SUNY Albany	359,364	124,324	77,690	74,099	17,910	60,760	4,581
60	Boston U.	352,817	302,411	1,106	8,528	18,192	22,580	0
61	SUNY Buffalo	349,670	167,099	21,387	20,347	28,131	95,444	17,262
62	U. CO Boulder	349,449	292,030	2,108	10,205	16,026	29,080	0
63	Brown U.	335,838	127,087	1,302	1,730	20,620	184,440	659
64	AZ State U.	329,345	172,202	23,198	11,734	28,174	91,895	2,142
65	U. CA, Irvine	327,594	194,559	15,879	22,399	33,471	48,057	13,229
66	OR Health & Science U.	314,990	247,054	1,061	13,939	22,719	29,964	253
67	Yeshiva U.	314,240	163,399	54,093	2,508	14,762	69,649	9,829
68	WA State U.	304,352	113,452	54,698	9,369	11,821	111,895	3,117
69	U. HI Manoa	303,085	196,275	22,203	23,968	7,936	44,685	8,018
70	CO State U.	302,896	211,297	16,504	10,190	15,775	42,142	6,988
71	IN U.-Purdue U. Indianapolis	296,194	148,672	2,845	18,515	42,146	84,016	0
72	U. TN Knoxville	291,787	162,151	48,986	18,053	9,028	53,569	0
73	LA State U. and A&M C.	289,872	97,407	75,500	14,294	6,213	95,424	1,034
74	U. Miami	280,671	197,824	6,425	23,704	18,914	21,981	11,823
75	U. VA main campus	276,308	228,917	548	6,491	11,469	25,871	3,012
76	U. KS	267,961	147,598	7,641	6,936	10,764	93,396	1,626
77	Rockefeller U.	265,750	88,705	1,761	3,344	19,161	151,249	1,530
78	Wayne State U.	254,492	132,166	5,132	6,647	9,385	94,819	6,343
79	IA State U.	250,120	109,461	43,728	15,686	6,730	73,484	1,031
80	Princeton U.	242,570	150,261	1,227	9,067	12,194	65,744	4,077
81	U. TX Health Science Ctr. Houston	240,772	150,324	43,544	9,112	26,213	11,579	0
82	U. MO-Columbia	238,500	116,965	3,285	7,131	8,334	101,562	1,223
83	U. CT	237,908	132,169	10,472	9,139	18,014	67,987	127
84	FL State U.	237,864	134,794	19,135	940	5,577	77,418	0
85	U. MA Worcester	232,039	178,293	1,506	14,198	14,524	23,518	0
86	MS State U.	231,675	106,324	72,701	7,859	217	44,415	159
87	U. GA	230,803	118,862	32,852	13,124	16,498	49,467	0
88	U. of Medicine & Dentistry NJ	230,235	123,399	12,853	14,520	25,520	53,943	0
89	U. SC Columbia	229,145	125,501	1,950	6,609	16,609	78,476	NA
90	U. CA, Santa Barbara	225,730	129,457	5,223	16,967	28,506	36,561	9,016
91	Medical U. SC	224,632	131,650	338	13,087	6,322	72,042	1,193
92	Carnegie Mellon U.	222,790	179,386	2,986	19,204	4,150	13,437	3,627
93	U. OK	218,089	105,366	19,745	14,156	8,396	61,572	8,854
94	OR State U.	216,595	135,886	36,188	5,869	1,906	23,339	13,407
95	U. NM	211,771	148,216	5,601	3,776	3,462	49,850	866

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2010  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
96	U. TX Health Science Ctr. San Antonio	207,115	121,723	6,949	15,499	20,181	42,763	0
97	SUNY Stony Brook	204,728	120,146	5,522	5,535	6,239	64,930	2,356
98	VA Commonwealth U.	197,709	144,138	8,712	9,134	7,164	28,561	0
99	George Washington U.	196,917	122,357	7,262	4,427	28,315	34,446	110
100	Dartmouth C.	194,141	118,271	5,137	12,113	18,864	39,228	528
101	Wake Forest U.	192,034	159,084	5,216	15,213	6,398	5,892	231
102	Medical C. WI	191,816	121,750	195	9,207	19,077	41,587	0
103	U. NE-Lincoln	191,268	96,069	6,622	9,124	12,779	65,059	1,615
104	U. Louisville	189,090	93,260	10,967	6,084	5,960	58,753	14,066
105	U. TX Medical Branch	188,399	128,840	1,675	3,665	14,813	39,406	0
106	Woods Hole Oceanographic Institution	181,746	153,066	1,254	2,940	NA	10,746	13,740
107	IN U. Bloomington	177,520	71,208	2,697	3,981	23,240	76,394	0
108	Clemson U.	174,693	62,934	3,330	21,217	0	86,777	435
109	U. MA Amherst	169,143	89,413	4,657	9,080	7,644	52,426	5,923
110	Tulane U.	165,513	106,872	5,636	3,418	6,461	30,133	12,993
111	U. AK Fairbanks	161,986	99,657	8,780	5,731	2,537	43,956	1,325
112	KS State U.	160,679	68,560	40,094	3,522	1,343	38,539	8,621
113	Georgetown U.	159,355	120,589	1,393	4,705	18,935	13,694	39
114	NM State U.	157,872	98,399	17,937	7,745	267	25,110	8,414
115	Tufts U.	156,106	116,699	3,080	8,627	11,056	14,685	1,959
116	WV U.	154,926	79,415	10,345	5,070	1,555	58,447	94
117	U. DE	153,311	105,454	6,281	5,700	2,345	31,718	1,813
118	UT State U.	149,169	90,581	27,035	4,821	411	18,680	7,641
119	OK State U. main campus	147,094	56,998	32,289	5,802	568	51,437	0
120	Auburn U. main campus	145,115	53,971	33,586	4,177	1,234	49,245	2,902
121	U. CA, Santa Cruz	143,919	84,518	5,278	4,505	16,311	29,449	3,858
122	U. NE Medical Ctr.	138,219	80,784	4,059	6,456	14,780	32,140	0
123	MT State U. Bozeman	135,084	93,100	3,701	NA	NA	30,574	7,709
124	Uniformed Services U. of the Health Sciences	134,126	72,125	NA	NA	5,764	56,237	NA
125	TX Tech U.	133,360	35,970	13,740	10,100	11,040	62,510	0
126	U. CA, Riverside	130,288	63,127	9,499	6,484	8,565	36,104	6,509
127	U. VT	129,856	98,635	312	1,899	6,387	22,623	0
128	ND State U.	126,419	51,883	38,668	915	839	32,029	2,085
129	Temple U.	124,528	79,939	5,143	5,564	7,441	26,339	102
130	U. Houston	119,811	52,920	33,168	6,364	6,473	20,886	0
131	U. AR for Medical Sciences	119,518	72,217	4,931	3,051	0	28,184	11,135
132	Drexel U.	118,349	77,438	4,174	2,860	8,998	24,879	0
133	U. Central FL	117,985	69,331	14,042	9,485	3,633	20,750	744
134	U. NH	115,562	84,553	2,031	6,634	3,519	16,422	2,403
135	U. AR main campus	113,909	33,674	48,242	7,634	1,725	21,981	653
136	U. ME	111,282	50,163	19,673	3,835	1,184	33,834	2,593
137	U. of Notre Dame	110,369	62,152	394	1,700	11,788	34,335	0
138	FL International U.	110,271	62,580	6,617	1,330	6,081	33,449	214
139	U. MS and U. MS Medical Ctr.	110,020	71,475	1,148	1,989	4,514	26,243	4,651
140	Syracuse U.	107,024	33,796	24,717	4,788	9,546	34,151	26
141	Naval Postgraduate School	103,510	93,605	287	1,356	59	8,090	113
142	Thomas Jefferson U.	103,064	77,817	5,450	10,031	5,895	3,871	0
143	San Diego State U.	99,137	56,504	6,364	850	5,314	30,032	73

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2010  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
144	Rice U.	97,903	69,395	1,075	5,913	8,427	13,093	0
145	Old Dominion U.	97,176	34,687	4,636	3,143	1,996	52,430	284
146	U. NV, Reno	95,423	58,115	4,959	1,263	1,396	29,287	403
147	U. OR	94,107	76,378	654	2,126	4,520	10,429	NA
148	U. Dayton	93,309	73,540	11,686	4,960	341	2,663	119
149	NJ Institute of Technology	92,318	50,051	4,737	4,572	1,541	31,417	0
150	U. RI	90,016	62,981	7,071	4,194	1,160	14,226	384
151	U. ID	87,207	46,303	21,615	1,124	410	16,401	1,354
152	U. MD Baltimore County	87,156	59,448	2,195	1,981	2,597	20,935	0
153	George Mason U.	84,120	63,011	1,783	605	4,335	14,019	367
154	Rensselaer Polytechnic Institute	83,952	54,847	7,350	4,683	2,641	14,431	0
155	TX A&M U. System Health Science Ctr.	82,839	33,511	11,348	1,231	4,877	27,570	4,302
156	U. TX Dallas	82,044	30,754	17,249	6,351	7,693	19,997	0
157	GA State U.	81,015	27,073	7,201	504	6,768	39,464	5
158	Northeastern U.	79,949	59,074	1,373	4,222	2,018	13,262	0
159	U. ND	76,560	52,504	5,509	11,363	1,715	5,469	0
160	U. AL Huntsville, The	75,683	73,075	503	769	NA	1,336	0
161	Rush U.	73,398	51,304	2	10,372	4,908	6,812	0
162	U. CA Office of the President	72,542	121	22,061	0	15,598	34,632	130
163	SUNY Binghamton	72,057	20,979	3,047	3,545	171	43,720	595
164	Medical C. GA	72,015	51,727	10	2,938	4,514	12,050	776
165	U. TX Arlington	71,414	31,628	10,084	4,790	3,295	21,617	0
166	U. WI-Milwaukee	71,181	29,042	24,944	1,341	4,853	9,676	1,325
167	Brandeis U.	71,006	43,669	595	3,500	10,194	12,381	667
168	U. Toledo	70,399	38,389	7,812	3,486	2,649	18,063	0
169	Southern IL U. Carbondale	69,924	22,209	6,251	8,752	1,098	31,614	NA
170	U. LA Lafayette	69,412	12,881	12,869	13,984	527	28,986	165
171	U. TX El Paso	68,870	34,617	13,726	1,017	8,459	11,051	0
172	SD State U.	67,552	38,368	16,848	1,450	3,184	6,363	1,339
173	U. MT-Missoula, The	63,540	40,760	2,269	529	NA	16,430	3,552
174	MI Technological U.	63,471	27,676	948	5,520	242	28,979	106
175	U.S. Air Force Academy	62,097	49,711	0	142	153	10,891	1,200
176	LA State U. Health Sciences Ctr. New Orleans	59,776	46,142	1,152	2,296	1,482	5,302	3,402
177	U. MA Lowell	59,345	25,550	1,910	4,460	1,779	25,583	63
178	C. of William and Mary and VA Institute of Marine Science	57,461	27,685	2,552	2,445	4,823	19,295	661
179	Portland State U.	56,533	36,996	2,831	864	8,173	7,475	194
180	FL Atlantic U.	56,472	17,268	1,252	889	1,122	33,717	2,224
181	U. MA Boston	56,416	24,527	3,652	91	5,902	21,997	247
182	U. TX San Antonio	56,279	28,717	12,431	453	4,361	10,317	0
183	U. WY	55,319	45,323	4,215	1,930	512	2,981	358
184	FL A&M U.	53,474	45,856	5,576	2,042	NA	0	NA
185	U. Akron	52,884	12,107	3,529	1,685	4,845	28,232	2,486
186	NM Institute of Mining and Technology	51,696	42,243	1,659	1,850	0	5,567	377
187	Wichita State U.	51,524	13,751	5,626	22,618	249	9,280	0
188	TX Tech U. Health Sciences Ctr.	51,282	12,950	29,208	1,035	2,920	5,169	0
189	Boston C.	50,537	33,290	145	2,619	7,481	7,002	0
190	OH U.	50,440	18,466	2,561	3,982	0	23,579	1,852

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2010  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
191	U. Memphis, The	49,517	20,654	4,890	1,132	1,216	21,118	507
192	Wright State U.	48,575	24,785	3,931	2,039	798	17,022	0
193	St. Louis U.	46,839	33,728	90	6,473	1,987	4,561	NA
194	CUNY The City C.	46,699	32,900	4,751	6,126	NA	2,922	NA
195	CO School of Mines	44,879	29,892	931	13,961	NA	95	0
196	Jackson State U.	44,862	39,457	0	0	1,155	4,250	0
197	U. NV, Las Vegas	44,457	32,441	2,315	741	390	8,552	18
198	Eastern VA Medical School	44,420	29,291	260	2,608	12,075	186	0
199	Loyola U. Chicago	43,903	28,995	610	2,855	2,814	7,280	1,349
200	SUNY Upstate Medical U.	43,824	27,959	3,388	2,337	2,794	5,794	1,552
201	U. MD Ctr. for Environmental Science	42,670	12,123	5,118	0	NA	21,123	4,306
202	MO U. of Science and Technology	42,263	28,239	287	3,549	473	9,499	216
203	U. Southern MS	42,059	37,054	2,056	1,459	446	786	258
204	U. AL, The	40,762	26,364	3,443	2,735	103	7,849	268
205	Howard U.	40,080	33,017	142	938	1,310	4,673	0
206	American U.	39,747	8,841	NA	52	6,005	24,849	NA
207	U. PR Medical Sciences Campus	39,134	29,813	1,045	2,346	NA	5,930	0
208	CUNY Hunter C.	38,900	18,498	2,919	104	4,771	12,608	0
209	U. North TX Health Science Ctr.	38,862	25,847	1,317	1,932	1,486	7,968	312
210	Rochester Institute of Technology	38,663	23,254	989	4,982	880	8,558	0
211	San Jose State U.	38,241	24,292	10,077	449	645	2,778	0
212	Lehigh U.	37,332	23,721	6,804	2,400	817	3,545	45
213	IL Institute of Technology	36,554	28,349	1,401	3,030	1,358	2,416	0
214	Loma Linda U.	35,990	29,284	1,290	2,050	1,462	1,767	137
215	Stevens Institute of Technology	35,544	29,370	1,228	536	551	3,419	440
216	U. South AL	35,500	14,730	561	1,896	406	17,907	0
217	NC Agricultural and Technical State U.	35,297	23,883	105	62	53	11,190	4
218	U. New Orleans	35,021	19,244	5,681	1,996	488	7,600	12
219	Desert Research Institute	34,367	28,307	1,411	474	2,150	2,025	0
220	Cleveland State U.	34,235	25,024	2,368	2,326	2,231	2,279	7
221	Brigham Young U.	32,997	22,115	1,716	3,638	876	4,494	158
222	SUNY Health Science Ctr. Brooklyn	32,512	25,023	408	1,749	1,193	3,720	419
223	U. of the VI	32,350	28,369	1,887	0	0	0	2,094
224	U. NC Charlotte	31,814	17,284	3,332	6,519	NA	4,679	0
225	Southern IL U. Edwardsville	31,781	4,192	2,521	901	430	23,737	0
226	U. North TX	31,496	17,511	678	742	1,233	11,326	6
227	Air Force Institute of Technology	31,259	15,474	89	269	52	15,375	0
228	LA State U. Medical Ctr. Shreveport	30,817	13,890	113	2,278	5,427	9,109	0
229	U. SD	30,616	16,467	1,061	364	381	12,343	0
230	TX State U.-San Marcos	30,560	8,904	5,646	541	4,111	11,358	0
231	U. PR Rio Piedras	30,515	21,717	123	16	20	8,373	266
232	AL A&M U.	30,497	22,154	1,601	330	180	4,988	1,244
233	Morehouse School of Medicine	30,385 i	26,559 i	602 i	1,033 i	33 i	2,158 i	0 i
234	U. MO-Kansas City	30,163	16,391	1,645	560	1,705	9,553	309
235	CA State U., Northridge	29,469	17,213	6,685	119	331	5,111	10
236	Northern AZ U.	28,803	15,070	5,708	590	1,651	5,784	0
237	SD School of Mines and Technology	28,572	25,172	1,248	165	NA	1,488	499
238	NY Medical C.	28,400	21,095	749	3,720	1,992	364	480
239	Rutgers, the State U. NJ-Newark	27,745	12,631	5,345	437	2,982	5,300	1,050



TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2010  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
240	Creighton U.	27,700	11,850	3,450	0	8,450	3,500	450
241	Mercer U.	27,298	18,778	384	4,652	134	3,117	233
242	Northern IL U.	27,036	17,334	7	1,109	0	8,586	0
243	Meharry Medical C.	27,001	24,302	0	0	1,545	1,154	0
244	SUNY C. of Environmental Science and Forestry	26,916	8,907	2,396	1,908	692	12,312	701
245	Miami U.	26,521	13,591	1,733	788	347	9,506	556
246	U. PR Mayaguez	26,475	12,735	726	1,555	2,615	8,811	33
247	Western MI U.	26,391	19,738	719	1,744	1,649	1,869	672
248	Kent State U.	26,331	14,586	3,667	311	258	7,081	428
249	LA Tech U.	26,020	10,806	2,527	298	4	12,385	0
250	U. MA Dartmouth	25,725	12,236	657	633	392	11,807	0
251	San Francisco State U.	25,615	15,601	3,172	258	1,938	4,646	0
252	Marshall U.	24,501	18,218	1,385	151	341	4,158	248
253	East Carolina U.	23,995	16,113	711	2,228	979	3,964	0
254	U. Tulsa	23,387	7,126	661	8,476	59	7,065	0
255	U. NC Wilmington	23,143	14,364	1,127	671	721	6,260	0
256	Albany Medical C.	22,953	15,758	333	1,485	2,051	3,326	0
257	U. NC Greensboro	22,436	19,477	462	825	463	1,209	0
258	U.S. Military Academy	22,171	22,146	0	25	0	0	0
259	Charles R. Drew U. of Medicine and Science	22,152	20,430	NA	NA	NA	1,722	NA
260	CA State U., Fullerton	21,776	13,651	2,636	333	1,091	4,065	0
261	U. CA, Merced	21,591	9,392	6,589	181	487	3,819	1,123
262	Catholic U. America, The	21,454	15,878	0	1,365	503	3,708	0
263	U. MN Duluth	21,150	6,441	4,419	935	354	8,877	124
264	ID State U.	20,495	14,645	527	1,430	993	2,900	0
265	Ball State U.	20,477	3,988	685	383	4,386	11,016	19
266	CA Polytechnic State U., San Luis Obispo	19,732	11,637	3,351	559	2,062	2,091	32
267	Fordham U.	19,289	4,132	388	0	0	13,623	1,146
268	Southern Methodist U.	18,742	13,312	167	457	813	3,993	0
269	Boise State U.	18,731	14,614	455	168	448	3,046	0
270	Worcester Polytechnic Institute	18,613	13,582	212	957	366	3,496	0
271	Clarkson U.	18,584	9,573	1,963	2,703	0	4,345	0
272	IL State U.	18,417	5,442	369	262	629	11,715	0
273	U. West FL	17,757	11,038	4,245	115	606	1,675	78
274	TX A&M U.-Kingsville	17,378	7,088	4,548	487	2,504	2,751	0
275	TX A&M U.-Corpus Christi	17,266	7,869	3,885	119	2,703	2,634	56
276	Teachers C., Columbia U.	17,167	6,533	192	7,346	2,898	0	198
277	CUNY Queens C.	16,845	13,642	1,405	0	1,069	709	20
278	TN Technological U.	16,754	7,490	6,151	54	162	2,672	225
279	U. AK Anchorage	16,709	9,368	1,292	164	637	5,202	46
280	U. Southern ME	16,358	9,137	2,492	24	2,306	2,399	0
281	AL State U.	16,340	13,340	0	0	0	3,000	0
282	Duquesne U.	15,804	5,904	1,176	1,037	1,306	6,381	0
283	U. Denver	15,748	13,364	255	835	439	799	56
284	Tuskegee U.	15,581	12,309	1,620	0	0	245	1,407
285	CA State U., Long Beach	15,494	12,731	1,358	1,048	341	16	0
286	CA State U., Sacramento	15,207	5,829	4,487	520	899	3,444	28
287	DE State U.	15,200	10,154	428	41	36	4,541	0

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2010  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
288	U. HI Hilo	14,857	12,265	1,466	347	53	331	395
289	U. MO-St. Louis	14,628	7,151	273	36	619	6,417	132
290	Hampton U.	14,455	14,455	0	0	0	0	NA
291	Marquette U.	14,310	9,381	182	453	1,832	2,462	0
292	C. Charleston	14,218	11,610	1,282	170	1,113	0	43
293	Eastern MI U.	14,133	9,088	644	776	593	3,032	0
294	Purdue U. Calumet	14,014	6,127	1,030	2,260	201	4,396	0
295	FL Gulf Coast U.	13,906	9,542	2,094	154	2,044	72	0
296	Oakland U.	12,856	7,130	5	509	663	4,531	18
297	Morgan State U.	12,804	10,039	1,328	1,253	184	0	0
298	Prairie View A&M U.	12,565	8,623	2,986	126	27	799	4
299	TN State U.	12,432	7,414	793	592	33	3,600	0
300	Rosalind Franklin U. of Medicine and Science	12,426	8,350	0	329	1,529	2,218	0
301	Embry-Riddle Aeronautical U.	12,189	8,241	1,282	1,481	0	1,185	0
302	FL Institute of Technology	12,054	9,175	1,019	1,831	NA	0	29
303	Fayetteville State U.	11,865	10,844	676	1	344	0	0
304	CUNY Graduate Ctr.	11,562	4,901	742	0	3,863	112	1,944
305	Villanova U.	11,433 i	6,390 i	3,218 i	969 i	856 i	0 i	0 i
306	AR State U. main campus	11,115	6,194	3,920	96	91	814	0
307	U.S. Naval Academy	11,093	10,750	0	165	17	156	5
308	U. AR Little Rock	11,007	7,571	1,793	163	209	1,271	0
309	Baylor U.	10,925	2,947	261	521	1,373	5,792	31
310	Northeastern OH Universities C. of Medicine	10,819	4,009	560	40	1,088	5,121	1
311	Tarleton State U.	10,763	6,379	3,519	246	107	512	0
312	U. TN Chattanooga	10,749	4,866	880	156	997	3,850	0
313	Polytechnic U.	10,601	5,729	1,439	2,671	NA	762	NA
314	Western WA U.	10,571	4,594	811	96	436	4,634	0
315	Alcorn State U.	10,280	9,256	0	50	0	974	0
316	Nova Southeastern U.	10,116	5,718	666	891	365	2,476	0
317	Western KY U.	9,943	6,866	1,059	348	381	1,289	0
318	East TN State U.	9,869	6,272	1,662	612	1,143	180	0
319	Humboldt State U.	9,845	3,024	2,639	913	988	2,281	0
320	Wheeling Jesuit U.	9,398	8,768	196	51	325	0	58
321	Fairfield U.	9,294	2,681	170	76	0	5,825	542
322	Stephen F. Austin State U.	9,127	5,530	768	139	535	2,155	0
323	U. CO Colorado Springs	9,088	6,699	456	521	176	1,236	0
324	U. NE Omaha	8,951	6,014	651	114	651	1,521	0
325	Ponce School of Medicine	8,934	7,569	517	848	NA	0	NA
326	CA State U., Fresno	8,698	3,424	2,743	208	381	1,942	0
327	U. TX Pan American	8,693	5,544	1,725	376	574	474	0
328	U. MD Eastern Shore	8,692	8,583	87	0	2	0	20
329	IN U.-Purdue U. Ft. Wayne	8,523	1,797	1,052	166	784	4,724	0
330	Clark Atlanta U.	8,515	7,229	18	134	68	1,066	0
331	Lincoln U. (Jefferson City, MO)	8,475	5,984	2,491	0	0	0	0
332	Dillard U.	8,425	7,096	1,329	0	0	0	0
333	Wellesley C.	8,422	3,677	442	163	4,140	0	0
334	Wesleyan U.	8,397	4,496	72	311	552	2,966	0
335	U. AR Pine Bluff	8,343	3,947	279	0	110	4,007	0

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2010  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
336	Bowling Green State U.	8,124	4,963	1,861	113	285	871	31
337	U. North FL	8,041	4,636	429	68	283	2,625	0
338	Xavier U. LA	8,029	5,669	1,465	0	284	611	0
339	Morehouse C.	7,857	7,857	0	0	0	0	NA
340	MO State U.	7,770	6,071	237	491	971	0	0
341	CA State U., Los Angeles	7,714	7,234	193	0	160	127	0
342	Fisk U.	7,700	7,686	0	0	0	14	0
343	Gallaudet U.	7,652	5,522	0	0	0	2,130	0
344	Sam Houston State U.	7,555	5,066	1,479	NA	NA	1,010	NA
345	Central MI U.	7,483	2,536	1,330	33	113	3,389	82
346	Bryn Mawr C.	7,476	1,301	185	7	90	5,857	36
347	VA State U.	7,466	5,552	72	5	71	1,761	5
348	MT Tech of the U. MT	7,424	5,321	1,474	629	NA	0	0
349	West TX A&M U.	7,346	2,100	205	1,001	442	3,598	NA
350	SC State U.	7,167	6,334	308	346	179	0	NA
351	Universidad Central del Caribe	7,122	6,504	31	0	0	587	0
352	Claremont Graduate U.	7,116	5,888	0	0	263	965	0
353	Clark U.	7,111	3,243	0	194	2,242	1,432	0
354	James Madison U.	7,038	5,563	112	0	NA	235	1,128
355	TX Southern U.	7,003	5,240	1,551	0	212	0	NA
356	U. TX Brownsville	6,886	5,640	737	0	40	469	0
357	Kettering U.	6,880	4,477	389	1,736	278	0	0
358	NC Central U.	6,870	6,870	NA	NA	NA	0	NA
359	Southern U. Baton Rouge	6,865	5,920	NA	0	0	0	945
360	CUNY Brooklyn C.	6,846	5,358	0	764	0	724	NA
361	U. MI-Dearborn	6,779	2,932	963	608	98	2,095	83
362	U. WI-Stevens Point	6,766	4,456	214	147	29	955	965
363	Universidad del Turabo	6,620	691	0	0	0	5,929	0
364	CA State Polytechnic U., Pomona	6,493	2,563	844	487	186	2,413	0
365	Rowan U.	6,434	4,301	1,855	278	NA	0	NA
366	U. of the Pacific	6,120	3,135	293	2,046	646	0	0
367	Norfolk State U.	5,944	5,413	21	NA	NA	0	510
368	CUNY John Jay C. of Criminal Justice	5,916	3,418	52	0	1,790	656	0
369	U. WI-Superior	5,890	5,197	0	245	34	156	258
370	Lamar U.	5,829	4,377	148	203	145	956	0
371	CA State U., San Marcos	5,788	4,106	714	0	787	181	0
372	Claremont McKenna C.	5,725	1,130	18	0	298	4,279	0
373	U. TX Tyler	5,679	3,378	2,021	280	0	0	0
374	Elizabeth City State U.	5,576	5,552	14	0	10	0	0
375	U. GU	5,555	4,962	94	481	18	0	0
376	Bucknell U.	5,456	2,745	149	121	571	1,756	114
377	Ft. Valley State U.	5,310	4,586	0	0	0	724	0
378	TX Christian U.	5,306	3,373	229	1,568	NA	136	NA
379	CA State U., Monterey Bay	5,305	3,167	1,551	0	146	441	0
380	New School, The	5,178	1,670	30	58	3,420	0	0
381	Central WA U.	5,159	4,038	378	140	24	579	0
382	Grand Valley State U.	5,044	1,134	368	206	879	2,095	362
383	U. DC	5,012	1,946	3,066	0	0	0	0
384	Calvin C.	5,010	2,084	2	173	289	2,364	98
385	KY State U.	4,912	3,501	1,341	0	58	12	0

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2010  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
386	DePaul U.	4,889	3,896	31	29	373	560	0
387	Middle TN State U.	4,793	2,651	134	0	77	1,881	50
388	Palmer C. of Chiropractic	4,693	3,009	0	0	5	1,679	0
389	Williams C.	4,691	2,330	0	0	0	2,361	0
390	Smith C.	4,613	2,843	0	12	905	853	0
391	Carleton C.	4,575	1,803	21	0	1,179	1,572	0
392	Loyola Marymount U.	4,557	1,731	0	5	611	2,210	0
393	Alfred U.	4,524	1,687	1,464	877	0	496	0
394	Youngstown State U.	4,523	2,067	2,048	138	0	270	0
395	Langston U.	4,492	3,313	1,179	0	0	0	0
396	U. South FL St. Petersburg	4,425	2,570	0	0	129	1,720	6
397	OK State U. Ctr. for Health Sciences	4,398	817	105	229	0	3,247	0
398	Macalester C.	4,389	1,075	0	0	294	3,020	0
399	U. Baltimore	4,229	1,812	1,278	8	1,112	19	0
400	St. Cloud State U.	4,184	1,260	290	523	432	1,679	0
401	U. WI-La Crosse	4,141	2,150	738	625	3	241	384
402	U. Richmond	4,052	2,138	9	0	1,065	825	15
403	Seton Hall U.	4,003	2,206	660	485	652	0	0
404	Lawrence Technological U.	3,952	3,144	313	114	305	76	0
405	Milwaukee School of Engineering	3,944	1,177	0	1,881	332	554	0
406	Southern CT State U.	3,840	1,459	1,567	41	773	0	0
407	MN State U. Mankato	3,837	2,051	46	2	139	490	1,109
408	Chapman U.	3,830	1,871	469	79	1,076	330	5
409	Santa Clara U.	3,816	3,494	164	69	89	0	0
410	Franklin & Marshall C.	3,770	1,857	271	300	483	859	0
411	WV State U.	3,770	2,759	1,011	0	0	0	0
412	GA Southern U.	3,704	2,077	91	139	347	1,050	0
413	Amherst C.	3,628	1,102	4	2	595	1,925	0
414	Midwestern U. (Downers Grove, IL)	3,626	315	0	185	81	3,045	NA
415	Haverford C.	3,620	2,715	0	0	217	688	0
416	Shaw U.	3,600 i	3,159 i	169 i	0 i	0 i	272 i	0 i
417	Hope C.	3,596	2,523	0	0	754	319	0
418	CUNY Herbert H. Lehman C.	3,579 i	2,750 i	5 i	558 i	0 i	266 i	0 i
419	Rutgers, the State U. NJ-Camden	3,574	2,001	279	12	308	752	222
420	U. New England	3,560	2,829	21	121	589	0	0
421	Eastern KY U.	3,531	2,638	189	0	0	704	0
422	SUNY C. of Optometry	3,529	2,829	0	203	131	366	0
423	Salisbury U.	3,503	1,823	937	NA	361	382	NA
424	Long Island U.	3,406 i	2,483 i	151 i	364 i	122 i	286 i	0 i
425	Murray State U.	3,396	2,074	92	48	74	1,108	0
426	Barnard C.	3,353	2,754	76	0	494	29	0
427	CUNY C. Staten Island	3,290	952	1,072	719	352	191	4
428	Eastern WA U.	3,266	46	2,377	76	568	199	0
429	PA State U. Erie, The Behrend C.	3,265	887	1,322	24	294	738	0
430	Claffin U.	3,252	3,226	15	11	0	0	0
431	Central State U.	3,233	2,544	227	462	0	0	0
432	Harvey Mudd C.	3,214	2,049	0	63	257	845	0
433	Wabash C.	3,200	208	0	0	2,889	83	20
434	Hamilton C.	3,192	1,077	206	26	1,417	461	5
435	Spelman C.	3,181	2,740	0	280	0	161	0

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2010  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
436	Pace U.	3,085	627	0	44	330	2,084	0
437	Albany C. of Pharmacy	3,074	1,380	184	1,198	0	312	0
438	U. Northern IA	3,064	1,460	890	5	9	700	0
439	Towson U.	3,052	1,806	879	93	95	172	7
440	West Chester U. PA	3,052 i	1,612 i	694 i	128 i	618 i	0 i	0 i
441	Sul Ross State U.	3,039	1,595	537	41	362	504	0
442	Swarthmore C.	2,984	913	17	0	914	1,140	0
443	Tougaloo C.	2,978	2,978	0	0	0	0	0
444	U. San Diego	2,934	1,352	117	71	259	887	248
445	Pomona C.	2,924	1,048	0	0	748	1,052	76
446	St. Francis U.	2,923	2,923	0	0	0	0	0
447	St. Joseph's U.	2,918	1,368	288	0	947	315	0
448	Appalachian State U.	2,898	1,813	253	94	253	485	0
449	U. LA Monroe	2,884	1,470	429	195	299	491	0
450	Black Hills State U.	2,883	2,434	229	6	40	174	0
451	CA State U., Chico	2,881	1,502	777	238	106	258	0
452	Colgate U.	2,851	1,519	2	20	203	1,107	0
453	Skidmore C.	2,850	1,872	0	428	0	550	0
454	Mt. Holyoke C.	2,788	1,362	0	0	931	495	0
455	Lewis & Clark C.	2,753	843	0	0	1,080	830	0
456	CA State U., Dominguez Hills	2,743	2,658	64	19	2	0	0
457	PA State U. Harrisburg	2,734	963	824	97	629	221	0
458	Armstrong Atlantic State U.	2,681	2,681	0	0	0	0	0
459	TX A&M U.-Commerce	2,679	1,362	937	17	363	0	NA
460	Pepperdine U.	2,672	933	808	44	247	640	0
461	U. NC Asheville	2,671	1,367	606	97	277	324	0
462	U. Central AR	2,670	1,658	389	3	0	588	32
463	Bowdoin C.	2,627	1,815	0	53	171	588	0
464	CUNY Baruch C.	2,616	1,010	76	0	1,045	485	0
465	U. Northern CO	2,607	2,082	88	10	47	380	0
466	Nicholls State U.	2,590	946	661	0	333	650	0
467	Southeastern LA U.	2,561	1,161	639	0	84	677	0
468	Hofstra U.	2,552	2,206	169	2	77	98	0
469	TX A&M International U.	2,428	1,623	164	0	368	247	26
470	Northwest Indian C.	2,426	1,943	57	0	60	366	0
471	Coastal Carolina U.	2,404	1,533	433	332	22	84	0
472	Western Carolina U.	2,376	1,296	211	18	377	474	0
473	Northern KY U.	2,316	1,476	93	84	90	573	0
474	Furman U.	2,311	1,332	0	0	540	374	65
475	Middlebury C.	2,292	2,245	0	0	47	0	0
476	Occidental C.	2,289	665	118	261	1,245	0	0
477	TX Woman's U.	2,271	822	471	5	271	702	0
478	Montclair State U.	2,255	1,876	27	19	129	204	0
479	Western OR U.	2,255	1,652	262	0	89	252	0
480	Monmouth U.	2,195	2,190	5	0	0	0	0
481	U. PR Humacao	2,161 i	2,144 i	0 i	0 i	0 i	17 i	0 i
482	Morehead State U.	2,145	1,528	129	0	113	375	0
483	U. San Francisco	2,124	428	129	0	262	1,289	16
484	Dickinson C.	2,109	602	71	0	677	759	0
485	U. IL Springfield	2,096	436	403	0	62	868	327

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2010  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
486	Lafayette C.	2,089	1,223	98	73	106	589	0
487	CA State U., Bakersfield	2,083	637	936	158	93	259	0
488	Grinnell C.	2,069	1,161	2	5	29	872	0
489	Willamette U.	2,059	666	33	0	0	1,360	0
490	Mercyhurst C.	2,040	854	362	91	400	284	49
491	Oberlin C.	1,985	1,359	0	62	238	326	0
492	Union C. (Schenectady, NY)	1,984	1,427	12	26	461	58	0
493	Roger Williams U.	1,967	1,574	15	29	52	297	0
494	U. of the Sciences Philadelphia	1,964	984	360	620	0	0	0
495	U. WI-Eau Claire	1,950	1,320	230	68	46	101	185
496	SUNY C. Buffalo	1,935	1,293	53	18	242	329	0
497	Reed C.	1,904	796	0	0	485	623	0
498	Universidad Metropolitana	1,888	1,282	0	0	0	606	0
499	Agnes Scott C.	1,884	1,328	0	0	13	528	15
500	Trinity C. (Hartford, CT)	1,875	1,026	9	10	618	212	0
501	Savannah State U.	1,874	1,774	86	0	14	0	0
502	Kennesaw State U.	1,854	1,246	22	7	381	198	0
503	CA State U., San Bernardino	1,851	1,412	151	154	13	89	32
504	Pacific U.	1,849	845	128	380	494	0	2
505	Mesa State C.	1,799	1,064	11	95	418	211	0
506	U. Central OK	1,786	1,059	226	16	405	80	NA
507	Western U. of Health Sciences	1,786	885	139	519	74	169	0
508	NY Institute of Technology	1,785	250	212	275	83	965	0
509	Colby C.	1,782	1,105	0	0	199	478	0
510	Northwestern Health Sciences U.	1,779	1,467	0	0	0	312	0
511	Pittsburg State U.	1,759	999	10	559	191	0	0
512	U. AK Southeast	1,759	1,222	159	0	88	290	0
513	U. West GA	1,749	761	398	522	0	68	0
514	St. Bonaventure U.	1,727	767	27	0	0	352	581
515	Mills C.	1,679	1,095	0	0	537	47	0
516	Rider U.	1,671	407	0	1	55	1,208	0
517	SUNY C. Plattsburgh	1,664	1,187	159	0	23	267	28
518	U. NE Kearney	1,655	289	782	21	30	533	0
519	Arcadia U.	1,649	1,206	134	0	309	0	0
520	West Liberty State C.	1,645	550	600	0	385	110	0
521	St. John's U. (Jamaica, NY)	1,643	1,274	9	241	72	47	0
522	Daemen C.	1,613	426	746	132	232	77	0
523	Touro U.-CA	1,600	999	0	0	222	379	0
524	Chicago State U.	1,598	1,598	0	0	0	0	0
525	Bates C.	1,590	971	0	4	137	478	0
526	St. Olaf C.	1,574	1,247	35	40	170	82	0
527	Bastyr U.	1,572	1,211	0	135	0	226	0
528	U. WI-Oshkosh	1,556	832	174	46	59	267	178
529	IN State U.	1,541	990	70	390	17	62	12
530	Benedict C.	1,533	1,473	60	0	0	0	0
531	CT C.	1,532	954	45	0	3	530	0
532	NM Highlands U.	1,529	970	59	500	0	0	0
533	Davidson C.	1,493	1,153	48	21	265	6	0
534	Rose-Hulman Institute of Technology	1,482	1,159	0	15	198	110	0
535	Northwestern State U.	1,464	635	464	0	0	247	118

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2010  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
536	New England C. of Optometry	1,457	726	0	347	53	315	16
537	Trinity U.	1,446	1,023	0	29	365	14	15
538	Hobart and William Smith Colleges	1,434	1,118	201	13	98	4	0
539	Lincoln U. of the Commonwealth of PA	1,425	1,114	307	4	0	0	0
540	U. TX of the Permian Basin	1,417	677	1	0	0	96	643
541	Whitman C.	1,415	1,080	0	0	335	0	0
542	SUNY C. of A&T Cobleskill	1,414	1,382	22	6	0	4	0
543	Roanoke C.	1,379 i	107 i	0 i	0 i	0 i	1,272 i	0 i
544	Indiana U. PA	1,376	660	280	0	0	436	0
545	SUNY C. Geneseo	1,373	755	9	60	36	513	0
546	Universidad del Este	1,372	1,139	0	0	0	233	0
547	LA State U. Shreveport	1,359	849	31	27	178	274	0
548	Salus U.	1,359	1,261	69	29	0	0	0
549	Purdue U. North Central	1,349	639	50	3	42	615	0
550	U. of St. Thomas (St. Paul, MN)	1,330	842	78	88	NA	204	118
551	Washington and Jefferson C.	1,327	1,188	0	0	139	0	0
552	U. Redlands	1,317	1,208	75	0	0	34	0
553	CA State U., East Bay	1,312	643	551	0	118	0	0
554	La Salle U.	1,298	246	0	86	10	956	0
555	Vassar C.	1,280	1,280	0	0	0	0	0
556	U. Houston-Clear Lake	1,279	301	766	12	93	107	0
557	Philadelphia C. of Osteopathic Medicine	1,278	812	31	0	279	156	0
558	C. of the Holy Cross	1,275	904	0	0	371	0	0
559	Seattle U.	1,259 i	263 i	10 i	18 i	398 i	570 i	0 i
560	A. T. Still U. of Health Sciences	1,253	116	0	24	142	971	0
561	Plymouth State U.	1,253 i	1,053 i	48 i	0 i	127 i	25 i	0 i
562	Gonzaga U.	1,249	609	0	2	571	67	0
563	Western IL U.	1,221	658	398	113	0	19	33
564	Governors State U.	1,220	1,124	24	0	72	0	0
565	U. WI-Green Bay	1,219	778	71	179	16	134	41
566	U. Portland	1,205	335	174	7	660	29	0
567	Philadelphia U.	1,200	968	232	0	0	0	0
568	SUNY C. Old Westbury	1,197 i	634 i	0 i	223 i	16 i	324 i	0 i
569	Andrews U.	1,195	280	78	0	199	638	NA
570	U. TN Martin	1,164	0	28	6	40	1,090	0
571	John Carroll U.	1,154	1,036	0	118	0	0	0
572	Bradley U.	1,151	512	0	304	0	335	0
573	U. Detroit Mercy	1,148	633	63	124	25	195	108
574	U. Hartford	1,137	820	0	71	1	245	0
575	Christopher Newport U.	1,110	1,049	8	46	7	0	0
576	Niagara U.	1,090	162	334	3	106	485	0
577	Angelo State U.	1,088	236	570	0	82	200	0
578	Ithaca C.	1,077	617	76	0	120	264	0
579	McNeese State U.	1,077	433	174	8	33	429	0
580	IN U. South Bend	1,070	282	1	3	262	522	0
581	Siena C.	1,061	1,045	0	0	16	0	0
582	William Paterson U. NJ	1,051	105	44	20	1	881	0
583	Drake U.	1,033	456	79	19	243	236	NA
584	MS Valley State U.	1,029	993	NA	NA	NA	36	NA
585	U. Houston-Downtown	1,013	908	6	79	0	20	0

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2010  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
586	Western States Chiropractic C.	996	866	0	0	0	130	0
587	Grambling State U.	993	993	0	0	0	0	0
588	C. Wooster	988	249	18	0	261	446	14
589	Weber State U.	983	355	247	378	3	0	0
590	Haskell Indian Nations U.	978	922	0	0	56	0	0
591	National U. of Health Sciences	950	754	0	23	27	146	0
592	Washington and Lee U.	939	646	0	268	25	0	0
593	U. PR Cayey	927	710	0	0	0	217	0
594	Providence C.	917	857	0	24	32	4	0
595	Augustana C. (Sioux Falls, SD)	912	889	0	6	17	0	0
596	Northern MI U.	910	287	0	0	47	576	0
597	Evergreen State C.	902	886	7	0	9	0	0
598	Barry U.	897	897	0	0	0	0	0
599	Truman State U.	882	605	18	2	37	220	0
600	Salish Kootenai C.	880	475	0	0	405	0	0
601	Saginaw Valley State U.	873	77	0	144	0	600	52
602	U. WA Tacoma	872	573	92	76	NA	30	101
603	Sonoma State U.	858	690	32	0	25	111	0
604	Des Moines U.	855	62	0	1	0	731	61
605	C. NJ, The	850	461	105	0	263	21	0
606	VA Military Institute	849	451	86	37	25	250	0
607	PA State U. Beaver	848	786	0	0	0	62	0
608	SUNY C. Brockport	831	521	52	8	96	143	11
609	Southern OR U.	826	639	105	22	0	60	0
610	Gettysburg C.	814	524	0	0	116	160	14
611	Rhodes C.	804	519	242	16	27	0	0
612	Minot State U.	795	795	0	0	0	0	0
613	Valparaiso U.	791	505	21	19	48	198	0
614	Lawrence U.	784	703	0	0	0	81	0
615	SUNY C. Oswego	783	644	12	39	1	41	46
616	Central CT State U.	776	366	8	0	8	394	0
617	LeTourneau U.	773	273	0	63	363	74	0
618	Wilberforce U.	760	737	0	0	23	0	0
619	Kalamazoo C.	755	254	0	0	245	256	0
620	Eastern IL U.	751	450	95	20	45	141	0
621	Albany State U.	740	396	344	0	0	0	0
622	U. South FL Sarasota-Manatee	732	106	0	0	15	608	3
623	Cheyney U. PA	725	255	470	0	0	0	0
624	Millsaps C.	722	433	NA	7	NA	282	NA
625	U. WI-Whitewater	718	411	152	17	1	83	54
626	SUNY Institute of Technology at Utica-Rome	713	695	0	0	0	18	0
627	Northeastern IL U.	711	448	0	0	19	244	0
628	Le Moyne-Owen C.	708	610	98	0	0	0	0
629	IL Wesleyan U.	707	360	NA	NA	NA	347	NA
630	Northeastern State U.	707	451	56	170	0	30	0
631	U. MI-Flint	693	227	0	0	5	450	11
632	Kansas City U. of Medicine and Biosciences	685	556	30	0	65	34	0
633	Seattle Pacific U.	684	114	19	2	180	218	151
634	U. WI-Platteville	681	46	473	11	12	116	23



TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2010  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
635	Radford U.	680	292	28	67	21	272	0
636	U.S. Coast Guard Academy	680	672	0	0	0	8	0
637	U. MN Morris	672	245	41	56	27	303	0
638	CO C.	671	473	4	0	0	194	0
639	Marist C.	671	8	290	110	11	231	21
640	PA State U. Altoona	671	267	99	140	25	140	0
641	Abilene Christian U.	662	537	0	0	37	88	0
642	New C. FL	660	514	0	11	26	109	0
643	CUNY Medgar Evers C.	658	392	0	211	0	55	0
644	Hendrix C.	656	466	12	4	50	124	0
645	Loyola C.	648	555	27	0	66	0	0
646	Mt. St. Mary's C. (Los Angeles, CA)	647	647	0	0	0	0	0
647	St. Michael's C.	644	487	0	0	0	157	0
648	U. South FL Polytechnic	642	323	14	22	0	283	0
649	St. John's U. (Collegeville, MN)	640	0	0	0	0	640	0
650	Sinte Gleska U.	630	537	0	0	0	93	0
651	U. WA Bothell	630	446	28	89	NA	13	54
652	Denison U.	620 i	469 i	0 i	0 i	0 i	151 i	0 i
653	Concordia C.	617	301	0	0	47	269	0
654	MT State U. Billings	598	327	127	73	0	71	0
655	Loyola U. New Orleans	595	260	142	0	11	182	0
656	WV School of Osteopathic Medicine	594	22	0	0	0	572	0
657	Bridgewater State C.	587	279	177	0	5	126	0
658	Wiley C.	575	362	198	0	15	0	0
659	Hampshire C.	569	533	0	0	0	36	0
660	U. WI-Parkside	541	127	139	87	0	157	31
661	Ursinus C.	540	413	120	1	6	0	0
662	Lake Forest C.	533	154	0	0	21	358	0
663	SUNY C. Cortland	527	153	4	9	249	109	3
664	Millersville U. PA	523	307	35	24	61	96	0
665	Frostburg State U.	521	372	121	18	10	0	0
666	Elizabethtown C.	514	394	120	0	0	0	0
667	SUNY Fredonia	513	111	103	15	0	284	0
668	Juniata C.	511	150	0	0	247	114	0
669	SUNY C. Potsdam	511	386	30	24	19	52	0
670	Allegheny C.	505	197	17	0	70	221	0
671	DePauw U.	503	192	0	1	4	306	0
672	Manhattan C.	498	166	302	12	18	0	0
673	St. Mary's U. (San Antonio, TX)	495	20	0	0	0	475	0
674	Muhlenberg C.	488	302	0	20	30	136	0
675	Goucher C.	485	322	0	0	163	0	0
676	U. VA's C. Wise, The	481	76	244	0	0	161	0
677	AR Tech U.	477 i	250 i	45 i	17 i	6 i	159 i	0 i
678	Augustana C. (Rock Island, IL)	465	160	3	18	0	284	0
679	Mercy C.	464	426	0	0	6	32	0
680	U. SC Beaufort	462	338	99	0	6	19	0
681	U. Puget Sound	461	166	0	12	144	139	0
682	Coe C.	457	322	15	17	4	99	0
683	U. WI-River Falls	441	134	77	18	18	174	20
684	Simmons C.	440	181	0	0	207	10	42

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2010  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
685	Southern Polytechnic State U.	435	428	0	6	1	0	0
686	AK Pacific U.	434	283	31	120	0	0	0
687	Southwestern OK State U.	428	333	41	0	0	54	0
688	Pacific Lutheran U.	425	169	0	0	125	131	0
689	Wilkes U.	420	345	61	0	14	0	0
690	Kenyon C.	414	413	0	0	0	1	0
691	CO State U. Pueblo	413	364	5	0	44	0	0
692	IN U. Southeast	408	12	0	0	11	385	0
693	U. NC Pembroke	408	210	124	0	74	0	0
694	Southern U. New Orleans	402	369	0	0	0	33	0
695	Jacksonville State U.	398	133	0	153	0	112	0
696	Ft. Lewis C.	392	340	17	0	25	10	0
697	U. WI-Stout	388	148	50	5	0	173	12
698	Fuller Theological Seminary	384	0	2	0	107	42	233
699	Winona State U.	375	141	163	37	2	32	0
700	Cooper Union, The	371	194	0	54	49	74	0
701	Adelphi U.	360	290	0	0	0	70	0
702	Auburn U. Montgomery	351	174	11	0	0	166	0
703	Midwestern State U.	348	10	4	9	243	82	0
704	Pitzer C.	347	36	0	0	122	189	0
705	Luther C.	342	102	82	2	16	140	0
706	St. Mary's C. MD	342	233	0	0	95	14	0
707	U. SC Aiken	337	122	136	0	18	61	0
708	SUNY C. Oneonta	336	112	124	0	40	60	0
709	Jacksonville U.	335	9	134	22	149	21	0
710	OH Wesleyan U.	335	203	0	0	0	132	0
711	Eckerd C.	327	275	0	39	5	0	8
712	Vanguard U. Southern CA	319 i	269 i	0 i	0 i	15 i	35 i	0 i
713	St. Joseph's C. (Standish, ME)	317	316	0	0	1	0	0
714	Gustavus Adolphus C.	310	97	1	0	116	96	0
715	OH Northern U.	308	180	1	10	32	85	0
716	U. MT Western, The	301	253	0	0	0	48	0
717	Mayville State U.	275	212	63	0	0	0	0
718	PA State U. Great Valley School of Graduate Professional Studies	275	0	0	141	0	134	0
719	U. SC Upstate	261	15	1	0	13	232	0
720	Fairleigh Dickinson U.	254	210	22	17	5	0	0
721	Farmingdale State C.	253	228	0	0	0	25	0
722	SUNY New Paltz	251	182	3	16	22	28	0
723	U. MN Rochester	248	3	0	0	0	245	0
724	U. Scranton	240	19	42	12	0	167	0
725	SUNY C. of A&T Morrisville	233	11	184	0	0	38	0
726	MA C. of Pharmacy and Health Sciences	232	38	0	194	0	0	0
727	CUNY New York City C. of Technology	231	81	0	13	9	128	0
728	Canisius C.	221	154	5	1	61	0	0
729	Jarvis Christian C.	216	184	0	0	32	0	0
730	Dowling C.	200	200	0	0	0	0	0
731	Eastern OR U.	200	116	20	0	6	58	0
732	North GA C. & State U.	197	176	0	0	21	0	0

TABLE 15. Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2010  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
733	Southeastern OK State U.	192	171	15	0	3	3	0
734	NJ City U.	188	132	0	0	0	56	0
735	Benedictine U.	186	42	0	0	20	124	0
736	Fitchburg State C.	174	174	0	0	0	0	0
737	Carlos Albizu U. (San Juan, PR)	165	0	0	0	0	165	0
738	OK State U. Tulsa	158	0	119	0	0	39	0
739	Sarah Lawrence C.	158	60	0	0	98	0	0
740	PA State U. Berks	155	155	0	0	0	0	0
741	PA State U. Worthington-Scranton	152	0	149	0	0	3	0

i = imputed. NA = not available; data were not provided by institution.

<sup>a</sup> The Johns Hopkins University includes Applied Physics Laboratory, with \$1,079,931 in total R&D expenditures in FY 2010.

NOTES: Source-specific rankings available on request. Tied institutions are ranked alphabetically. Institutions ranked are geographically separate campuses headed by a campus-level president or chancellor. Some campuses are part of large multicampus universities; some are part of state university systems. For complete listing of campuses that belong to a larger university or system and their aggregate R&D expenditures, see table C-2.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE 16. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
	All institutions	61,234,893	2,990,077	34,902,793	2,256,557	4,624,575	1,076,860	1,992,974	1,150,067	9,344,197	2,896,793
1	Johns Hopkins U., The <sup>a</sup>	2,004,482	50,844	817,017	118,755	166,459	5,126	9,156	47,905	781,990	7,230
2	U. MI-Ann Arbor	1,184,445	13,228	702,173	18,181	49,218	21,119	115,268	6	209,493	55,759
3	U. WI-Madison	1,029,295	46,004	632,202	27,947	89,792	6,731	39,060	82	98,468	89,009
4	U. WA Seattle	1,022,740	145,142	671,485	11,747	45,396	7,586	9,283	3,354	101,043	27,704
5	Duke U.	983,289	18,074	837,336	14,529	19,714	21,797	22,506	0	46,558	2,775
6	U. CA, San Diego	943,219	149,403	537,457	41,083	57,596	21,550	14,025	3,650	113,218	5,237
7	U. CA, Los Angeles	936,995	13,668	657,557	23,766	72,020	15,186	33,698	19,278	64,504	37,318
8	U. CA, San Francisco	935,509	0	920,548	0	14,961	0	0	0	0	0
9	Stanford U.	839,839	26,391	500,125	29,728	92,552	11,857	22,903	0	126,744	29,539
10	U. PA	836,322	797	663,497	16,820	31,918	8,044	22,790	13,006	36,651	42,799
11	U. Pittsburgh main campus	822,491	11,947	699,640	10,522	24,666	9,183	5,936	13,192	30,928	16,477
12	Columbia U. in the City of New York	807,235	72,371	555,228	21,476	45,364	6,639	19,334	0	50,476	36,347
13	U. MN Twin Cities	786,074	11,213	555,832	23,760	40,299	18,201	26,208	2,620	86,783	21,158
14	PA State U. University Park and Hershey Medical Ctr.	770,449	56,043	252,599	56,630	57,203	34,353	29,630	348	275,235	8,408
15	U. NC Chapel Hill	755,284	30,769	592,877	18,094	33,177	12,039	59,530	342	0	8,456
16	OH State U.	755,194	9,742	431,561	40,017	35,251	12,397	20,630	24,164	145,812	35,620
17	Cornell U.	749,721	16,118	487,073	22,835	92,023	6,227	28,051	2,392	92,480	2,522
18	Washington U. St. Louis	695,974	7,787	625,867	6,249	16,804	7,378	8,606	765	20,293	2,225
19	U. CA, Berkeley	694,049	12,582	202,999	7,025	93,414	9,227	46,595	124,547	163,183	34,477
20	TX A&M U.	689,624	129,023	193,506	20,638	44,594	5,396	15,549	9,884	247,926	23,108
21	U. FL	681,548	9,291	458,092	8,887	34,958	11,511	17,314	4,621	91,933	44,941
22	U. CA, Davis	679,915	29,381	488,382	12,348	28,367	3,497	22,719	5,650	78,938	10,633
23	MA Institute of Technology	677,138	39,530	122,182	55,870	117,749	1,821	8,788	34,909	265,373	30,916
24	Yale U.	623,510	4,068	538,095	7,894	29,549	10,854	4,067	0	26,598	2,385
25	GA Institute of Technology	615,833	14,800	23,086	79,243	41,493	5,952	12,960	9,291	424,401	4,607
26	Northwestern U.	603,732	2,449	388,479	21,124	40,526	3,952	15,302	13,762	68,634	49,504
27	U. TX M. D. Anderson Cancer Ctr.	599,529	0	531,040	20,432	14,501	21,296	12,260	0	0	0
28	U. Southern CA	592,791	18,060	352,775	112,156	14,063	8,374	12,680	348	55,910	18,425
29	U. TX Austin	589,502	78,491	63,739	79,567	99,019	8,312	24,444	4,930	172,910	58,090
30	U. AZ	586,647	26,654	275,379	11,198	185,402	4,095	18,709	5,338	51,183	8,689
31	Harvard U.	583,361	21,905	363,461	6,707	52,451	5,757	25,653	46,461	39,308	21,658
32	Purdue U. main campus	548,980	6,430	200,781	18,830	32,177	6,737	29,995	1,147	181,048	71,835
33	Emory U.	529,453	654	399,134	1,489	16,214	3,333	706	68,203	8,576	31,144
34	U. IL Urbana-Champaign	515,133	7,174	180,847	71,300	61,191	15,426	15,827	1,758	139,863	21,747
35	Vanderbilt U.	504,959	547	387,026	1,167	24,489	12,472	4,271	5,029	43,344	26,614

TABLE 16. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
36	U. AL Birmingham, The	489,845	0	455,195	2,462	6,134	2,678	1,410	0	15,983	5,983
37	U. MD College Park	451,415	19,341	79,077	43,167	89,949	5,776	93,689	0	109,557	10,859
38	Baylor C. of Medicine	447,874	0	447,874	0	0	0	0	0	0	0
39	U. IA	444,034	2,137	333,794	3,225	32,040	7,827	14,187	1,381	40,527	8,916
40	U. Chicago	437,721	6,419	323,302	38,206	54,198	7,502	3,316	0	0	4,778
41	MI State U.	431,373	11,527	218,524	9,965	73,110	5,719	33,864	4,634	42,015	32,015
42	Rutgers, the State U. NJ-New Brunswick	428,432	28,401	176,552	22,192	50,689	14,888	47,094	14,713	52,641	21,262
43	U. TX Southwestern Medical Ctr. Dallas	419,220	0	419,220	0	0	0	0	0	0	0
44	Case Western Reserve U.	418,164	881	357,020	658	11,519	1,161	5,583	0	40,983	359
45	U. Rochester	414,655	807	296,486	3,336	14,474	15,040	262	232	82,067	1,951
46	U. Cincinnati	411,269	595	339,154	855	6,753	1,980	5,227	1,343	37,611	17,751
47	VA Polytechnic Institute and State U.	398,169	8,322	160,521	14,448	24,242	4,531	10,530	874	170,420	4,281
48	U. CO Denver and Health Sciences Ctr.	389,461	122	368,790	689	702	685	515	3,000	2,414	12,544
49	Scripps Research Institute, The	387,298	0	387,298	0	0	0	0	0	0	0
50	U. South FL	385,029	16,093	251,450	2,815	8,516	15,353	8,574	794	26,933	54,501
51	U. UT	379,200	11,029	237,655	26,633	28,309	2,525	3,162	0	66,107	3,780
52	U. MD Baltimore	374,036	511	352,573	0	0	0	0	0	2,826	18,126
53	Mt. Sinai School of Medicine	370,666	0	370,666	0	0	0	0	0	0	0
54	NY U.	365,944	735	282,201	16,184	14,293	18,797	11,552	0	0	22,182
55	U. IL Chicago	362,939	2,794	277,631	14,598	13,212	7,442	9,598	11,557	18,749	7,358
56	CA Institute of Technology	362,172	15,592	57,365	11,482	219,624	0	0	7,171	48,011	2,927
57	NC State U.	360,795	14,974	176,506	25,697	18,702	2,341	10,363	2,165	107,054	2,993
58	U. KY	359,944	5,304	249,560	6,654	10,364	13,075	10,078	9,303	46,519	9,087
59	SUNY Albany	359,364	6,137	111,755	2,958	2,231	2,301	11,195	0	219,940	2,847
60	Boston U.	352,817	4,578	227,225	5,502	44,919	11,417	3,568	12,850	34,628	8,130
61	SUNY Buffalo	349,670	2,976	227,367	15,871	16,848	7,224	5,929	1,683	60,078	11,694
62	U. CO Boulder	349,449	84,906	39,624	9,950	95,345	15,005	7,670	1,585	81,898	13,466
63	Brown U.	335,838	9,932	98,748	22,197	23,530	3,938	17,951	3,980	20,840	134,722
64	AZ State U.	329,345	19,221	65,843	15,448	22,523	11,363	28,041	42,112	91,907	32,887
65	U. CA, Irvine	327,594	7,960	197,831	16,285	36,045	6,816	10,432	167	35,569	16,489
66	OR Health & Science U.	314,990	0	281,807	33,183	0	0	0	0	0	0
67	Yeshiva U.	314,240	0	313,816	0	241	183	0	0	0	0
68	WA State U.	304,352	5,768	155,270	5,060	23,606	2,096	51,740	6,590	34,990	19,232
69	U. HI Manoa	303,085	84,708	103,451	31,986	39,689	459	9,222	24,686	8,884	0

TABLE 16. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
70	CO State U.	302,896	103,785	124,966	5,039	10,830	4,765	6,426	3,454	32,356	11,275
71	IN U.-Purdue U. Indianapolis	296,194	1,437	265,310	1,712	1,648	1,978	6,292	2,609	9,504	5,704
72	U. TN Knoxville	291,787	7,415	143,301	22,300	17,056	1,122	12,184	13,883	57,728	16,798
73	LA State U. and A&M C.	289,872	31,364	156,539	5,797	22,324	1,542	8,817	17,529	36,520	9,440
74	U. Miami	280,671	51,421	205,369	877	2,548	12,000	1,057	201	5,191	2,007
75	U. VA main campus	276,308	2,999	186,795	7,314	20,528	7,041	813	497	45,856	4,465
76	U. KS	267,961	16,358	188,604	1,349	19,992	1,004	4,813	1,413	18,459	15,969
77	Rockefeller U.	265,750	487	247,502	8,388	9,373	0	0	0	0	0
78	Wayne State U.	254,492	259	187,547	2,873	25,711	3,687	4,814	2,939	20,923	5,739
79	IA State U.	250,120	6,870	122,940	18,821	17,793	1,251	13,734	3,371	59,110	6,230
80	Princeton U.	242,570	24,354	46,746	18,963	38,429	11,754	27,688	503	63,425	10,708
81	U. TX Health Science Ctr. Houston	240,772	0	240,772	0	0	0	0	0	0	0
82	U. MO-Columbia	238,500	1,670	98,461	3,182	6,230	635	5,044	0	17,898	105,380
83	U. CT	237,908	8,739	154,297	4,474	8,918	19,191	5,116	5,929	23,723	7,521
84	FL State U.	237,864	20,286	40,447	11,184	66,360	21,278	16,116	3,569	40,129	18,495
85	U. MA Worcester	232,039	0	232,039	0	0	0	0	0	0	0
86	MS State U.	231,675	7,879	109,118	12,060	7,064	2,437	16,037	6,619	61,818	8,643
87	U. GA	230,803	11,653	167,714	3,911	6,039	12,624	8,335	6,732	8,398	5,397
88	U. of Medicine & Dentistry NJ	230,235	0	230,235	0	0	0	0	0	0	0
89	U. SC Columbia	229,145	22,249	66,953	4,888	33,428	7,692	581	0	82,980	10,374
90	U. CA, Santa Barbara	225,730	24,882	27,526	8,421	46,773	10,425	9,189	2,926	87,810	7,778
91	Medical U. SC	224,632	0	224,632	0	0	0	0	0	0	0
92	Carnegie Mellon U.	222,790	2,058	13,949	91,570	12,402	9,473	4,820	4,214	82,890	1,414
93	U. OK	218,089	39,382	110,389	2,141	12,985	2,742	6,356	0	27,192	16,902
94	OR State U.	216,595	46,152	116,594	3,844	4,041	239	4,222	12,347	27,961	1,195
95	U. NM	211,771	5,651	123,116	5,496	14,151	9,295	7,996	10,866	31,335	3,865
96	U. TX Health Science Ctr. San Antonio	207,115	0	207,115	0	0	0	0	0	0	0
97	SUNY Stony Brook	204,728	28,585	92,247	13,580	33,371	7,037	3,588	5,980	17,458	2,882
98	VA Commonwealth U.	197,709	659	136,426	2,328	5,850	4,246	4,829	17,374	4,710	21,287
99	George Washington U.	196,917	1,110	131,369	5,574	4,158	5,836	26,688	4,105	10,273	7,804
100	Dartmouth C.	194,141	1,065	144,926	3,299	8,042	6,294	990	7,550	21,442	533
101	Wake Forest U.	192,034	0	188,268	359	3,237	130	2	38	0	0
102	Medical C. WI	191,816	0	191,816	0	0	0	0	0	0	0
103	U. NE-Lincoln	191,268	5,305	76,634	11,901	17,648	10,544	10,487	14,526	33,499	10,724
104	U. Louisville	189,090	344	126,600	709	4,552	3,199	1,475	27	25,541	26,643
105	U. TX Medical Branch	188,399	0	186,552	0	0	0	0	0	1,847	0

TABLE 16. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
106	Woods Hole Oceanographic Institution	181,746	133,864	0	0	0	0	0	0	47,882	0
107	IN U. Bloomington	177,520	3,181	42,337	20,992	42,027	15,789	28,362	4,308	0	20,524
108	Clemson U.	174,693	0	42,739	7,274	11,428	1,581	7,033	566	73,941	30,131
109	U. MA Amherst	169,143	4,252	51,328	21,658	33,074	4,560	5,625	0	44,357	4,289
110	Tulane U.	165,513	2,091	134,497	3,443	3,022	795	4,468	0	3,370	13,827
111	U. AK Fairbanks	161,986	56,982	26,189	15,609	5,944	51	1,377	11,825	9,831	34,178
112	KS State U.	160,679	453	101,424	2,889	10,918	2,502	5,691	5,229	25,782	5,791
113	Georgetown U.	159,355	0	131,700	261	4,717	1,176	16,420	0	1,264	3,817
114	NM State U.	157,872	1,723	37,541	7,382	17,246	925	612	3,625	77,310	11,508
115	Tufts U.	156,106	168	124,288	2,379	6,893	4,213	1,996	0	13,176	2,993
116	WV U.	154,926	7,096	88,708	777	6,320	558	3,566	4,387	35,532	7,982
117	U. DE	153,311	17,191	40,948	6,069	15,564	3,418	10,382	247	53,385	6,107
118	UT State U.	149,169	3,272	56,963	2,174	3,272	4,393	811	2,804	73,923	1,557
119	OK State U. main campus	147,094	4,191	67,872	4,455	8,440	1,803	6,292	13,485	40,556	0
120	Auburn U. main campus	145,115	2,039	81,100	516	4,912	521	3,956	6,118	44,712	1,241
121	U. CA, Santa Cruz	143,919	19,531	18,715	4,693	36,321	687	5,099	369	51,549	6,955
122	U. NE Medical Ctr.	138,219	0	138,219	0	0	0	0	0	0	0
123	MT State U. Bozeman	135,084	2,653	51,406	1,828	27,162	147	2,765	15,062	23,204	10,857
124	Uniformed Services U. of the Health Sciences	134,126	0	119,564	0	0	14,562	0	0	0	0
125	TX Tech U.	133,360	14,800	32,700	7,880	10,450	1,390	10,700	0	28,300	27,140
126	U. CA, Riverside	130,288	10,067	61,828	4,542	15,137	3,241	3,251	1,235	22,240	8,747
127	U. VT	129,856	1,687	107,860	828	1,722	3,083	174	3,796	10,462	244
128	ND State U.	126,419	802	69,034	3,513	16,810	1,747	13,880	3,065	16,443	1,125
129	Temple U.	124,528	441	81,575	2,705	10,541	11,978	1,820	0	6,483	8,985
130	U. Houston	119,811	7,552	21,311	11,127	9,792	14,332	2,995	0	39,537	13,165
131	U. AR for Medical Sciences	119,518	0	119,518	0	0	0	0	0	0	0
132	Drexel U.	118,349	0	59,237	4,517	4,997	2,693	390	0	43,624	2,891
133	U. Central FL	117,985	12,819	7,422	1,091	25,761	428	5,868	20,336	34,937	9,323
134	U. NH	115,562	54,805	21,421	469	2,843	135	5,541	2,348	16,239	11,761
135	U. AR main campus	113,909	2,392	61,553	662	12,239	606	3,298	0	23,586	9,573
136	U. ME	111,282	19,730	40,454	1,786	4,645	1,589	5,395	6,340	26,299	5,044
137	U. of Notre Dame	110,369	0	18,909	6,473	21,055	3,131	3,466	18,857	32,397	6,081
138	FL International U.	110,271	4,830	32,022	7,004	5,404	2,215	16,917	0	23,858	18,021
139	U. MS and U. MS Medical Ctr.	110,020	6,449	71,161	356	15,942	80	823	0	5,901	9,308
140	Syracuse U.	107,024	2,843	3,096	4,412	8,383	4,988	11,951	2,164	38,971	30,216

TABLE 16. Higher education R&amp;D expenditures, ranked by all R&amp;D expenditures, by R&amp;D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
141	Naval Postgraduate School	103,510	15,320	0	17,878	10,559	0	8,062	27,537	16,711	7,443
142	Thomas Jefferson U.	103,064	0	103,064	0	0	0	0	0	0	0
143	San Diego State U.	99,137	3,330	43,563	4,421	5,961	19,535	5,299	4,519	8,436	4,073
144	Rice U.	97,903	2,640	10,175	15,399	24,506	652	1,555	2,160	40,201	615
145	Old Dominion U.	97,176	7,012	14,786	5,386	10,093	3,212	3,117	2,235	30,869	20,466
146	U. NV, Reno	95,423	15,699	42,120	2,181	8,757	1,256	4,042	9,388	10,977	1,003
147	U. OR	94,107	3,792	33,764	7,138	19,430	10,287	7,609	0	1,525	10,562
148	U. Dayton	93,309	143	1,327	577	227	8	26	517	89,118	1,366
149	NJ Institute of Technology	92,318	0	643	9,754	14,113	0	264	9,809	46,657	11,078
150	U. RI	90,016	38,217	25,354	903	5,794	210	0	7,848	6,197	5,493
151	U. ID	87,207	4,756	53,308	1,222	3,114	24	2,564	3,295	17,192	1,732
152	U. MD Baltimore County	87,156	33,871	5,958	7,384	9,020	2,377	9,957	1,775	11,552	5,262
153	George Mason U.	84,120	7,217	11,380	9,765	7,357	4,760	26,514	0	10,973	6,154
154	Rensselaer Polytechnic Institute	83,952	1,700	4,703	7,882	12,294	2,162	346	0	54,514	351
155	TX A&M U. System Health Science Ctr.	82,839	0	81,462	2	12	216	929	0	218	0
156	U. TX Dallas	82,044	1,732	18,128	9,309	10,825	2,959	5,408	0	26,875	6,808
157	GA State U.	81,015	124	22,618	894	8,201	6,264	10,427	13,443	0	19,044
158	Northeastern U.	79,949	577	20,351	4,617	14,148	1,582	3,949	0	29,774	4,951
159	U. ND	76,560	11,730	15,007	39	1,789	93	185	1,388	46,031	298
160	U. AL Huntsville, The	75,683	7,211	1,509	17,152	11,207	0	5,144	0	31,043	2,417
161	Rush U.	73,398	0	71,160	0	0	2,238	0	0	0	0
162	U. CA Office of the President	72,542	0	28,842	1,649	13,739	0	5	28,278	29	0
163	SUNY Binghamton	72,057	1,423	6,268	5,907	6,095	7,958	12,395	915	25,551	5,545
164	Medical C. GA	72,015	0	72,015	0	0	0	0	0	0	0
165	U. TX Arlington	71,414	581	4,509	4,436	11,162	2,793	949	196	37,784	9,004
166	U. WI-Milwaukee	71,181	9,010	11,809	1,730	8,301	1,473	4,739	3,618	17,737	12,764
167	Brandeis U.	71,006	0	30,060	1,879	6,258	2,599	14,495	12,381	0	3,334
168	U. Toledo	70,399	4,021	31,507	244	16,793	181	335	0	13,758	3,560
169	Southern IL U. Carbondale	69,924	1,961	47,304	958	4,661	831	2,212	1,351	10,646	0
170	U. LA Lafayette	69,412	1,131	33,731	9,863	1,689	236	3,571	1,834	5,278	12,079
171	U. TX El Paso	68,870	4,652	19,137	7,406	3,166	2,274	5,266	2,961	19,272	4,736
172	SD State U.	67,552	4,670	44,741	288	2,510	0	4,963	0	10,097	283
173	U. MT-Missoula, The	63,540	1,762	47,695	634	2,907	324	3,164	6,328	0	726
174	MI Technological U.	63,471	11,608	1,821	3,337	4,424	0	814	1,424	36,755	3,288
175	U.S. Air Force Academy	62,097	0	685	1,295	5,332	0	1,171	0	46,026	7,588



TABLE 16. Higher education R&amp;D expenditures, ranked by all R&amp;D expenditures, by R&amp;D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
176	LA State U. Health Sciences Ctr. New Orleans	59,776	0	59,776	0	0	0	0	0	0	0
177	U. MA Lowell	59,345	4,002	5,521	3,177	13,731	137	4,334	1,344	22,874	4,225
178	C. of William and Mary and VA Institute of Marine Science	57,461	30,487	2,937	1,941	5,497	530	5,427	4,634	0	6,008
179	Portland State U.	56,533	4,852	2,923	3,092	9,101	1,109	9,872	0	9,254	16,330
180	FL Atlantic U.	56,472	2,441	14,413	3,074	4,247	3,576	2,317	6	11,822	14,576
181	U. MA Boston	56,416	4,634	9,916	2,207	932	9,031	10,524	2,002	141	17,029
182	U. TX San Antonio	56,279	815	18,040	7,117	4,729	215	4,097	7,627	8,840	4,799
183	U. WY	55,319	15,655	19,998	475	2,774	275	916	6,651	7,213	1,362
184	FL A&M U.	53,474	2,952	19,112	1,088	3,955	0	83	184	2,908	23,192
185	U. Akron	52,884	289	2,396	369	15,393	457	2,686	0	25,968	5,326
186	NM Institute of Mining and Technology	51,696	7,926	135	848	17,213	0	0	6,632	18,942	0
187	Wichita State U.	51,524	15	2,576	309	1,515	654	60	0	45,939	456
188	TX Tech U. Health Sciences Ctr.	51,282	0	51,282	0	0	0	0	0	0	0
189	Boston C.	50,537	7,649 i	10,069 i	8,110 i	10,364 i	2,891 i	7,097 i	0 i	0 i	4,357 i
190	OH U.	50,440	996	11,673	189	9,199	1,747	653	0	19,971	6,012
191	U. Memphis, The	49,517	4,166	4,923	4,896	2,792	8,313	6,472	2,181	6,846	8,928
192	Wright State U.	48,575	1,163	25,029	6,241	3,463	1,583	54	454	10,409	179
193	St. Louis U.	46,839	653	43,066	68	1,477	338	56	0	931	250
194	CUNY The City C.	46,699	136	8,212	900	6,156	911	190	0	28,545	1,649
195	CO School of Mines	44,879	7,642	0	1,001	6,004	0	138	2,538	26,080	1,476
196	Jackson State U.	44,862	199	3,683	794	14,610	156	2,868	10,420	5,384	6,748
197	U. NV, Las Vegas	44,457	11,970	6,860	1,860	7,109	822	4,576	0	9,005	2,255
198	Eastern VA Medical School	44,420	0	44,420	0	0	0	0	0	0	0
199	Loyola U. Chicago	43,903	55	38,625	275	648	790	1,553	174	0	1,783
200	SUNY Upstate Medical U.	43,824	0	43,824	0	0	0	0	0	0	0
201	U. MD Ctr. for Environmental Science	42,670	42,670	0	0	0	0	0	0	0	0
202	MO U. of Science and Technology	42,263	2,328	326	835	2,338	1	20	0	31,411	5,004
203	U. Southern MS	42,059	13,824	7,021	478	13,449	255	925	5,330	198	579
204	U. AL, The	40,762	1,388	4,523	6,314	6,959	2,903	3,211	0	14,694	770
205	Howard U.	40,080	2,549	22,727	756	2,768	2,368	2,317	0	5,141	1,454
206	American U.	39,747	405	646	1,079	1,628	1,093	11,958	0	0	22,938
207	U. PR Medical Sciences Campus	39,134	0	39,134	0	0	0	0	0	0	0
208	CUNY Hunter C.	38,900	3,236	13,742	648	6,849	7,519	3,237	520	0	3,149
209	U. North TX Health Science Ctr.	38,862	0	38,862	0	0	0	0	0	0	0

TABLE 16. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
210	Rochester Institute of Technology	38,663	2,344	862	1,991	9,247	83	1,486	0	17,524	5,126
211	San Jose State U.	38,241	13,126	2,247	281	2,085	11,912	95	167	3,034	5,294
212	Lehigh U.	37,332	1,297	2,478	2,339	7,286	280	321	0	20,896	2,435
213	IL Institute of Technology	36,554	0	10,927	3,724	3,030	2,005	0	0	14,662	2,206
214	Loma Linda U.	35,990	1,077	31,711	0	0	127	0	0	0	3,075
215	Stevens Institute of Technology	35,544	10,244	0	2,176	781	0	0	0	19,029	3,314
216	U. South AL	35,500	2,341	24,110	530	771	451	833	0	976	5,488
217	NC Agricultural and Technical State U.	35,297	0	15,546	2,171	3,634	0	664	480	12,721	81
218	U. New Orleans	35,021	3,550	1,103	2,292	9,163	1,159	3,294	784	4,587	9,089
219	Desert Research Institute	34,367	32,919	1,048	0	0	0	400	0	0	0
220	Cleveland State U.	34,235	191	24,015	58	742	114	2,310	0	6,427	378
221	Brigham Young U.	32,997	405	6,587	1,863	4,826	723	2,019	0	11,343	5,231
222	SUNY Health Science Ctr. Brooklyn	32,512	0	32,512	0	0	0	0	0	0	0
223	U. of the VI	32,350	0	27,291	0	0	0	0	3,981	0	1,078
224	U. NC Charlotte	31,814	805	5,999	8,783	2,887	456	3,076	0	6,210	3,598
225	Southern IL U. Edwardsville	31,781	1,729	19,740	1,186	2,746	0	1,920	338	3,299	823
226	U. North TX	31,496	844	6,472	2,181	5,217	352	1,082	1,087	6,883	7,378
227	Air Force Institute of Technology	31,259	35	0	8,177	8,398	0	231	0	11,477	2,941
228	LA State U. Medical Ctr. Shreveport	30,817	0	30,817	0	0	0	0	0	0	0
229	U. SD	30,616	633	20,135	546	3,558	920	827	0	892	3,105
230	TX State U.-San Marcos	30,560	4,477	4,133	1,489	1,607	73	768	4,909	2,040	11,064
231	U. PR Rio Piedras	30,515	3,574	5,400	149	16,098	1,321	1,059	0	179	2,735
232	AL A&M U.	30,497	0	12,073	201	13,338	0	2,667	0	2,018	200
233	Morehouse School of Medicine	30,385 i	0 i	30,385 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
234	U. MO-Kansas City	30,163	260	19,271	1,064	1,987	912	371	0	596	5,702
235	CA State U., Northridge	29,469	2,066	1,478	660	3,421	6,445	50	1,813	814	12,722
236	Northern AZ U.	28,803	5,919	18,407	164	967	69	812	37	906	1,522
237	SD School of Mines and Technology	28,572	869	0	54	771	0	92	0	26,786	0
238	NY Medical C.	28,400	0	28,400	0	0	0	0	0	0	0
239	Rutgers, the State U. NJ-Newark	27,745	773	15,707	1,141	1,273	2,226	3,425	1,406	2	1,792
240	Creighton U.	27,700	80 i	26,641 i	82 i	690 i	40 i	167 i	0 i	0 i	0 i
241	Mercer U.	27,298	0	5,536	34	128	0	31	432	20,701	436
242	Northern IL U.	27,036	2,222	4,876	417	8,512	1,273	357	0	5,696	3,683
243	Meharry Medical C.	27,001	0	27,001	0	0	0	0	0	0	0
244	SUNY C. of Environmental Science and Forestry	26,916	8,002	7,577	0	3,205	0	220	0	7,912	0

TABLE 16. Higher education R&amp;D expenditures, ranked by all R&amp;D expenditures, by R&amp;D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
245	Miami U.	26,521	1,029	10,299	281	201	1,523	89	0	1,139	11,960
246	U. PR Mayaguez	26,475	7,092	3,349	210	2,853	0	318	0	11,714	939
247	Western MI U.	26,391	1,126	1,720	1,677	2,894	924	833	0	5,258	11,959
248	Kent State U.	26,331	403	3,621	1,427	12,835	4,572	1,392	0	366	1,715
249	LA Tech U.	26,020	0	2,771	4,401	2,200	312	110	0	10,958	5,268
250	U. MA Dartmouth	25,725	11,751	1,798	800	2,421	198	530	639	6,175	1,413
251	San Francisco State U.	25,615	5,179	9,860	1,743	3,633	2,099	1,687	0	758	656
252	Marshall U.	24,501	225	15,132	0	400	0	0	624	8,017	103
253	East Carolina U.	23,995	1,472	18,823	187	1,519	405	546	0	418	625
254	U. Tulsa	23,387	207	562	3,727	2,397	512	27	81	15,177	697
255	U. NC Wilmington	23,143	8,378	8,882	174	1,866	248	1,066	0	4	2,525
256	Albany Medical C.	22,953	0	22,953	0	0	0	0	0	0	0
257	U. NC Greensboro	22,436	0	4,949	385	2,254	2,504	2,726	0	0	9,618
258	U.S. Military Academy	22,171	674 i	0 i	6,204 i	1,562 i	499 i	6,735 i	0 i	5,918 i	579 i
259	Charles R. Drew U. of Medicine and Science	22,152	0	22,152	0	0	0	0	0	0	0
260	CA State U., Fullerton	21,776	788	4,359	779	1,702	215	2,734	75	495	10,629
261	U. CA, Merced	21,591	2,389	4,890	308	3,973	283	979	37	7,871	861
262	Catholic U. America, The	21,454	0	1,204	0	16,324	485	307	0	2,551	583
263	U. MN Duluth	21,150	14,533	1,335	451	1,839	35	141	3	1,900	913
264	ID State U.	20,495	2,747	5,969	420	8,084	271	611	0	1,132	1,261
265	Ball State U.	20,477	142	3,186	478	293	99	371	0	211	15,697
266	CA Polytechnic State U., San Luis Obispo	19,732	2,902	4,864	897	1,378	151	413	3,630	4,913	584
267	Fordham U.	19,289	105	1,973	201	282	1,864	787	0	0	14,077
268	Southern Methodist U.	18,742	4,176	1,834	1,930	2,660	1,392	219	837	3,073	2,621
269	Boise State U.	18,731	3,001	3,872	1,210	1,225	9	1,028	453	7,247	686
270	Worcester Polytechnic Institute	18,613	0	1,081	3,373	830	0	878	0	10,992	1,459
271	Clarkson U.	18,584	0	1,062	679	3,351	11	8	0	13,178	295
272	IL State U.	18,417	127	3,387	432	1,136	8	358	174	0	12,795
273	U. West FL	17,757	51	1,513	2,246	53	49	167	0	0	13,678
274	TX A&M U.-Kingsville	17,378	576	10,740	0	250	15	0	0	2,632	3,165
275	TX A&M U.-Corpus Christi	17,266	8,061	4,768	701	143	28	148	923	262	2,232
276	Teachers C., Columbia U.	17,167	0	1,138	192	0	4,370	9,449	0	0	2,018
277	CUNY Queens C.	16,845	846	10,366	343	1,362	2,152	867	297	0	612
278	TN Technological U.	16,754	18	1,038	156	216	381	12	0	14,331	602
279	U. AK Anchorage	16,709	1,758	5,248	0	31	12	1,509	1,426	1,344	5,381
280	U. Southern ME	16,358	690	1,910	190	108	0	162	0	65	13,233

TABLE 16. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
281	AL State U.	16,340	0	3,000	0	0	0	0	0	13,340	0
282	Duquesne U.	15,804	0	7,291	270	4,504	0	13	0	0	3,726
283	U. Denver	15,748	0	2,118	533	2,779	4,276	435	0	2,207	3,400
284	Tuskegee U.	15,581	0	10,067	0	281	0	2,308	0	1,602	1,323
285	CA State U., Long Beach	15,494	523	4,106	125	986	2,062	359	1,334	5,267	732
286	CA State U., Sacramento	15,207	115	1,028	129	986	311	2,274	1,167	5,663	3,534
287	DE State U.	15,200	639	8,600	2,132	2,234	85	1,033	0	0	477
288	U. HI Hilo	14,857	2,576	3,384	0	0	191	51	5,365	0	3,290
289	U. MO-St. Louis	14,628	0	4,472	134	2,483	1,690	1,265	0	6	4,578
290	Hampton U.	14,455	3,289	1,636	551	7,919	0	0	0	1,060	NA
291	Marquette U.	14,310	0	5,487	883	1,427	150	300	0	4,877	1,186
292	C. Charleston	14,218	5,830	2,382	693	1,705	184	628	0	0	2,796
293	Eastern MI U.	14,133	684	483	0	608	0	1,531	0	2,082	8,745
294	Purdue U. Calumet	14,014	0	1,353	250	354	260	6	39	1,425	10,327
295	FL Gulf Coast U.	13,906	1,205	1,360	85	589	5	143	114	340	10,065
296	Oakland U.	12,856	0	4,676	1,371	3,347	7	30	0	2,365	1,060
297	Morgan State U.	12,804	0	1,771	619	839	855	1,509	0	7,175	36
298	Prairie View A&M U.	12,565	0	8,033	46	894	85	0	117	3,382	8
299	TN State U.	12,432	193	7,514	196	842	50	107	0	2,351	1,179
300	Rosalind Franklin U. of Medicine and Science	12,426	0	12,119	0	0	307	0	0	0	0
301	Embry-Riddle Aeronautical U.	12,189	0	0	180	1,013	118	329	0	10,549	NA
302	FL Institute of Technology	12,054	1,674	1,260	1,270	3,619	1,838	0	0	1,766	627
303	Fayetteville State U.	11,865	0	647	265	1,276	0	0	0	0	9,677
304	CUNY Graduate Ctr.	11,562	20	568	1,512	28	1,372	3,299	0	0	4,763
305	Villanova U.	11,433	0	677	654	811	203	161	0	8,497	430
306	AR State U. main campus	11,115	117	8,671	107	1,817	262	11	0	58	72
307	U.S. Naval Academy	11,093	259	0	933	2,563	0	407	0	6,931	0
308	U. AR Little Rock	11,007	729	1,360	2,503	3,303	0	216	0	1,643	1,253
309	Baylor U.	10,925	1,008	965	572	3,056	976	1,057	309	509	2,473
310	Northeastern OH Universities C. of Medicine	10,819	0	10,629	0	0	3	187	0	0	0
311	Tarleton State U.	10,763	3,128	6,555	118	41	0	47	0	42	832
312	U. TN Chattanooga	10,749	244	507	557	76	0	84	609	6,709	1,963
313	Polytechnic U.	10,601	0	1,584	207	776	0	0	0	8,034	0
314	Western WA U.	10,571	2,626	827	231	1,016	199	387	924	420	3,941
315	Alcorn State U.	10,280	7	7,714	307	0	0	2,099	0	153	NA

TABLE 16. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
316	Nova Southeastern U.	10,116	4,771	4,524	0	0	445	0	0	0	376
317	Western KY U.	9,943	812	1,596	141	6,955	3	9	0	11	416
318	East TN State U.	9,869	318	7,949	234	382	215	86	0	1	684
319	Humboldt State U.	9,845	1,117	3,765	529	43	75	1,247	150	579	2,340
320	Wheeling Jesuit U.	9,398	108	1,868	0	203	0	0	0	0	7,219
321	Fairfield U.	9,294	4	553	246	578	193	530	0	129	7,061
322	Stephen F. Austin State U.	9,127	454	3,069	52	340	0	156	3,465	0	1,591
323	U. CO Colorado Springs	9,088	187	1,177	1,437	798	730	33	45	4,398	283
324	U. NE Omaha	8,951	224	1,801	2,665	266	73	1,121	16	617	2,168
325	Ponce School of Medicine	8,934	0	8,934	0	0	0	0	0	0	0
326	CA State U., Fresno	8,698	123	6,205	0	220	0	59	77	1,433	581
327	U. TX Pan American	8,693	287	2,088	476	516	3	601	0	3,145	1,577
328	U. MD Eastern Shore	8,692	2,655	5,468	0	282	0	0	0	287	0
329	IN U.-Purdue U. Ft. Wayne	8,523	15	3,540	29	42	15	723	86	382	3,691
330	Clark Atlanta U.	8,515	0	4,041	287	3,479	117	502	0	89	0
331	Lincoln U. (Jefferson City, MO)	8,475	1,005	4,795	0	748	1,820	107	0	0	0
332	Dillard U.	8,425	1,597	1,284	33	568	0	212	0	13	4,718
333	Wellesley C.	8,422	67	1,586	45	839	0	365	2,369	0	3,151
334	Wesleyan U.	8,397	418	3,442	303	2,062	1,140	234	0	0	798
335	U. AR Pine Bluff	8,343	0	7,532	97	383	0	52	279	0	0
336	Bowling Green State U.	8,124	825	906	28	3,295	514	2,084	31	347	94
337	U. North FL	8,041	10	1,044	322	1,109	67	457	0	3,307	1,725
338	Xavier U. LA	8,029	199	3,822	626	3,290	3	69	9	4	7
339	Morehouse C.	7,857	0	1,226	138	579	411	1,415	3,818	117	153
340	MO State U.	7,770	243	3,015	61	2,571	15	40	0	1,792	33
341	CA State U., Los Angeles	7,714	41	2,175	98	2,106	279	505	0	1,974	536
342	Fisk U.	7,700	0	149	0	7,537	0	0	0	0	14
343	Gallaudet U.	7,652	82	2,458	2	6	970	113	1,287	57	2,677
344	Sam Houston State U.	7,555	118	2,120	321	796	0	2,690	0	0	1,510
345	Central MI U.	7,483	593	1,108	231	764	468	23	0	42	4,254
346	Bryn Mawr C.	7,476	278	365	809	1,187	564	1,279	0	0	2,994
347	VA State U.	7,466	0	4,725	93	5	500	28	0	1,556	559
348	MT Tech of the U. MT	7,424	2,915	550	33	411	0	0	0	3,515	0
349	West TX A&M U.	7,346	387	3,418	140	44	6	0	536	1,210	1,605
350	SC State U.	7,167	1,046	2,265	0	342	0	0	921	2,592	1
351	Universidad Central del Caribe	7,122	0	7,122	0	0	0	0	0	0	0
352	Claremont Graduate U.	7,116	0	0	0	0	20	5,048	0	0	2,048
353	Clark U.	7,111	2,344	676	88	925	1,062	36	53	53	1,874

TABLE 16. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
354	James Madison U.	7,038	2,527	874	1,419	799	126	203	463	447	180
355	TX Southern U.	7,003	0	3,472	148	946	0	0	8	170	2,259
356	U. TX Brownsville	6,886	199	2,734	664	2,578	0	33	80	81	517
357	Kettering U.	6,880	0	0	3	74	0	0	0	6,198	605
358	NC Central U.	6,870	91	4,687	291	1,611	0	190	0	0	0
359	Southern U. Baton Rouge	6,865	2,854	351	87	1,428	0	1,114	387	644	0
360	CUNY Brooklyn C.	6,846	193	1,680	1,089	1,721	1,163	420	0	0	580
361	U. MI-Dearborn	6,779	0	66	396	260	9	162	0	5,484	402
362	U. WI-Stevens Point	6,766	3,971	1,084	2	1,168	3	33	16	397	92
363	Universidad del Turabo	6,620	134	210	0	65	0	0	0	645	5,566
364	CA State Polytechnic U., Pomona	6,493	0	3,106	0	96	219	39	104	476	2,453
365	Rowan U.	6,434	0	102	868	131	729	0	0	1,384	3,220
366	U. of the Pacific	6,120	68	2,862	11	671	0	35	92	690	1,691
367	Norfolk State U.	5,944	19	298	1,415	1,933	0	91	0	2,188	0
368	CUNY John Jay C. of Criminal Justice	5,916	0	29	254	420	2,074	1,577	0	0	1,562
369	U. WI-Superior	5,890	938	16	0	0	0	967	0	3,969	0
370	Lamar U.	5,829	412	141	554	190	0	0	0	4,019	513
371	CA State U., San Marcos	5,788	171	3,506	91	28	0	1,123	0	130	739
372	Claremont McKenna C.	5,725	184	316	22	485	1,077	2,561	143	0	937
373	U. TX Tyler	5,679	0	947	135	0	6	0	0	1,478	3,113
374	Elizabeth City State U.	5,576	128	134	4,273	821	10	0	0	0	210
375	U. GU	5,555	1,648	3,790	0	0	0	117	0	0	0
376	Bucknell U.	5,456	841	926	83	881	14	22	0	2,402	287
377	Ft. Valley State U.	5,310	0	3,762	667	157	0	0	0	0	724
378	TX Christian U.	5,306	838	500	29	512	1,845	26	0	65	1,491
379	CA State U., Monterey Bay	5,305	3,903	737	0	0	0	0	0	665	0
380	New School, The	5,178	154	0	659	0	525	1,018	811	0	2,011
381	Central WA U.	5,159	3,395	429	3	281	16	788	0	220	27
382	Grand Valley State U.	5,044	2,418	1,082	39	299	11	1	715	403	76
383	U. DC	5,012	244	3,090	220	112	0	1,332	0	14	0
384	Calvin C.	5,010	135	1,322	221	1,449	71	425	0	97	1,290
385	KY State U.	4,912	227	4,284	67	143	0	54	0	112	25
386	DePaul U.	4,889	62	245	898	604	2,374	119	0	0	587
387	Middle TN State U.	4,793	63	1,054	899	496	3	379	280	196	1,423
388	Palmer C. of Chiropractic	4,693	0	4,693	0	0	0	0	0	0	0
389	Williams C.	4,691	347	832	744	1,529	328	772	139	0	0
390	Smith C.	4,613	74	1,114	809	550	439	347	1	881	398

TABLE 16. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
391	Carleton C.	4,575	1,139	302	646	621	20	188	0	0	1,659
392	Loyola Marymount U.	4,557	148	329	120	154	239	10	0	364	3,193
393	Alfred U.	4,524	40	0	0	36	587	0	0	3,518	343
394	Youngstown State U.	4,523	44	24	64	3,423	0	823	9	131	5
395	Langston U.	4,492	0	4,492	0	0	0	0	0	0	0
396	U. South FL St. Petersburg	4,425	367	0	0	0	152	135	5	0	3,766
397	OK State U. Ctr. for Health Sciences	4,398	0	4,325	0	0	0	0	73	0	0
398	Macalester C.	4,389	809	382	404	631	177	677	0	0	1,309
399	U. Baltimore	4,229	1	0	0	0	0	3,450	155	0	623
400	St. Cloud State U.	4,184	106	1,369	143	102	1	421	89	95	1,858
401	U. WI-La Crosse	4,141	17	1,507	48	1,026	2	479	55	718	289
402	U. Richmond	4,052	18	367	937	1,514	351	56	0	0	809
403	Seton Hall U.	4,003	0	2,319	0	531	31	149	0	0	973
404	Lawrence Technological U.	3,952	0	46	15	0	0	0	0	3,042	849
405	Milwaukee School of Engineering	3,944	0	1,074	0	61	0	0	0	2,809	0
406	Southern CT State U.	3,840	0	0	0	0	0	0	0	0	3,840
407	MN State U. Mankato	3,837	607	562	131	297	0	64	0	1,683	493
408	Chapman U.	3,830	0	518	23	1,181	39	374	0	0	1,695
409	Santa Clara U.	3,816	0	549	9	889	44	165	5	2,151	4
410	Franklin & Marshall C.	3,770	1,077	687	193	941	185	361	0	0	326
411	WV State U.	3,770	126	3,378	26	0	0	7	0	233	0
412	GA Southern U.	3,704	139	1,314	242	805	0	65	290	309	540
413	Amherst C.	3,628	38	880	67	1,053	183	401	0	0	1,006
414	Midwestern U. (Downers Grove, IL)	3,626	0	3,596	0	0	0	0	0	0	30
415	Haverford C.	3,620	0 i	2,235 i	67 i	1,003 i	158 i	140 i	0 i	0 i	17 i
416	Shaw U.	3,600 i	236 i	1,532 i	0 i	212 i	0 i	0 i	0 i	0 i	1,620 i
417	Hope C.	3,596	64	749	810	1,601	62	17	32	217	44
418	CUNY Herbert H. Lehman C.	3,579 i	130 i	1,397 i	422 i	251 i	548 i	164 i	0 i	0 i	667 i
419	Rutgers, the State U. NJ-Camden	3,574	0	868	230	57	423	382	222	391	1,001
420	U. New England	3,560	1,157	1,882	0	10	0	511	0	0	0
421	Eastern KY U.	3,531	186	1,061	0	134	9	3	0	1,624	514
422	SUNY C. of Optometry	3,529	0	3,529	0	0	0	0	0	0	0
423	Salisbury U.	3,503	384	322	0	25	0	113	0	0	2,659
424	Long Island U.	3,406 i	105 i	2,672 i	0 i	131 i	202 i	8 i	160 i	0 i	128 i
425	Murray State U.	3,396	172	1,452	185	491	1	2	0	1,081	12

TABLE 16. Higher education R&amp;D expenditures, ranked by all R&amp;D expenditures, by R&amp;D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
426	Barnard C.	3,353	289	425	206	519	1,457	344	0	0	113
427	CUNY C. Staten Island	3,290	38	251	631	1,483	6	168	0	560	153
428	Eastern WA U.	3,266	43	1,066	25	157	10	1,847	0	23	95
429	PA State U. Erie, The Behrend C.	3,265	1,142	41	41	83	0	248	0	945	765
430	Claflin U.	3,252	0	1,673	0	1,568	0	0	0	0	11
431	Central State U.	3,233	196	458	178	127	127	128	0	1,846	173
432	Harvey Mudd C.	3,214	0	340	854	937	0	24	580	479	0
433	Wabash C.	3,200	0	25	95	155	17	7	12	0	2,889
434	Hamilton C.	3,192	288	57	81	931	0	74	0	0	1,761
435	Spelman C.	3,181	0	414	264	1,646	46	370	0	0	441
436	Pace U.	3,085	465	1,194	196	558	0	0	0	0	672
437	Albany C. of Pharmacy	3,074	0	3,074	0	0	0	0	0	0	0
438	U. Northern IA	3,064	251	438	60	411	21	734	162	0	987
439	Towson U.	3,052	11	601	455	588	206	1,141	0	0	50
440	West Chester U. PA	3,052 i	64 i	247 i	70 i	143 i	729 i	349 i	0 i	0 i	1,450 i
441	Sul Ross State U.	3,039	86	1,996	0	0	0	888	0	0	69
442	Swarthmore C.	2,984	0	693	115	733	126	215	285	214	603
443	Tougaloo C.	2,978	0	2,978	0	0	0	0	0	0	0
444	U. San Diego	2,934	193	1,457	0	496	1	308	0	112	367
445	Pomona C.	2,924	322	459	233	591	387	385	0	0	547
446	St. Francis U.	2,923	59	2,864	0	0	0	0	0	0	0
447	St. Joseph's U.	2,918	10	517	135	55	579	47	614	0	961
448	Appalachian State U.	2,898	1,136	670	62	451	2	229	0	0	348
449	U. LA Monroe	2,884	61	2,444	0	46	0	318	0	0	15
450	Black Hills State U.	2,883	0	1,470	0	254	0	0	17	0	1,142
451	CA State U., Chico	2,881	56	889	8	283	0	85	0	1,389	171
452	Colgate U.	2,851	357	921	156	628	89	408	0	0	292
453	Skidmore C.	2,850	256	802	24	1,149	179	222	0	0	218
454	Mt. Holyoke C.	2,788	502	416	315	727	250	95	0	0	483
455	Lewis & Clark C.	2,753	180	708	75	243	97	124	0	0	1,326
456	CA State U., Dominguez Hills	2,743	91	711	927	141	245	628	0	0	0
457	PA State U. Harrisburg	2,734	1	7	433	14	163	1,490	0	620	6
458	Armstrong Atlantic State U.	2,681	0	670	625	960	0	0	0	17	409
459	TX A&M U.-Commerce	2,679	0	228	875	942	96	0	0	6	532
460	Pepperdine U.	2,672	0	212	12	0	0	0	0	15	2,433
461	U. NC Asheville	2,671	1,214	427	172	217	0	113	152	27	349
462	U. Central AR	2,670	0	823	159	674	0	2	42	0	970
463	Bowdoin C.	2,627	533	1,549	105	181	0	79	85	0	95



TABLE 16. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
464	CUNY Baruch C.	2,616	125	257	24	120	498	836	0	0	756
465	U. Northern CO	2,607	254	754	353	137	208	323	0	0	578
466	Nicholls State U.	2,590	852	701	0	54	555	0	0	40	388
467	Southeastern LA U.	2,561	0	1,215	403	373	21	160	0	0	389
468	Hofstra U.	2,552	167	193	182	187	259	44	0	119	1,401
469	TX A&M International U.	2,428	85	452	3	329	6	247	0	474	832
470	Northwest Indian C.	2,426	1,265 i	1,114 i	0 i	0 i	0 i	47 i	0 i	0 i	0 i
471	Coastal Carolina U.	2,404	1,920	142	6	246	2	67	0	0	21
472	Western Carolina U.	2,376	739	733	2	225	0	531	0	123	23
473	Northern KY U.	2,316	0	1,161	113	587	274	53	0	0	128
474	Furman U.	2,311	30	196	40	1,686	234	16	0	0	109
475	Middlebury C.	2,292	656	857	119	522	68	62	0	0	8
476	Occidental C.	2,289	88	686	5	591	5	779	0	0	135
477	TX Woman's U.	2,271	0	1,848	8	202	18	68	11	0	116
478	Montclair State U.	2,255	541	108	342	164	112	101	0	0	887
479	Western OR U.	2,255	72	5	0	0	0	143	0	0	2,035
480	Monmouth U.	2,195	389	116	1,690	0	0	0	0	0	0
481	U. PR Humacao	2,161 i	0 i	344 i	0 i	1,805 i	0 i	0 i	0 i	0 i	12 i
482	Morehead State U.	2,145	20	873	40	403	66	471	0	9	263
483	U. San Francisco	2,124	306	201	6	0	0	109	903	21	578
484	Dickinson C.	2,109	600	277	21	211	82	241	0	0	677
485	U. IL Springfield	2,096	0	86	10	8	0	1,704	0	0	288
486	Lafayette C.	2,089	79	126	288	253	79	236	56	427	545
487	CA State U., Bakersfield	2,083	114	1,557	158	254	0	0	0	0	0
488	Grinnell C.	2,069	0	492	80	1,068	78	79	0	0	272
489	Willamette U.	2,059	60	252	186	290	0	373	0	0	898
490	Mercyhurst C.	2,040	31	84	9	56	0	394	532	0	934
491	Oberlin C.	1,985	292	342	165	1,049	40	52	0	0	45
492	Union C. (Schenectady, NY)	1,984	157	286	216	913	104	67	0	214	27
493	Roger Williams U.	1,967	465	380	0	200	0	0	1	128	793
494	U. of the Sciences Philadelphia	1,964	0	984	0	920	0	41	0	0	19
495	U. WI-Eau Claire	1,950	235	425	90	934	3	72	15	0	176
496	SUNY C. Buffalo	1,935	233	369	0	205	93	989	0	0	46
497	Reed C.	1,904	0	794	171	228	318	285	108	0	0
498	Universidad Metropolitana	1,888	113	875	260	0	0	0	0	0	640
499	Agnes Scott C.	1,884	0	534	36	411	562	87	0	0	254
500	Trinity C. (Hartford, CT)	1,875	1	544	271	295	108	30	0	43	583

TABLE 16. Higher education R&amp;D expenditures, ranked by all R&amp;D expenditures, by R&amp;D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
501	Savannah State U.	1,874	1,080	448	223	5	0	0	0	118	0
502	Kennesaw State U.	1,854	0	527	40	510	0	324	0	0	453
503	CA State U., San Bernardino	1,851	69	396	119	240	685	84	0	0	258
504	Pacific U.	1,849	0	560	682	0	0	0	325	0	282
505	Mesa State C.	1,799	190	346	12	75	0	161	506	0	509
506	U. Central OK	1,786	0	327	106	7	5	587	0	754	0
507	Western U. of Health Sciences	1,786	0	1,283	0	0	0	0	0	0	503
508	NY Institute of Technology	1,785	0	1,010	529	0	0	0	0	246	0
509	Colby C.	1,782	102	349	165	636	52	211	0	0	267
510	Northwestern Health Sciences U.	1,779	0	1,483	0	0	0	0	0	0	296
511	Pittsburg State U.	1,759	1	136	0	119	0	0	0	1,503	0
512	U. AK Southeast	1,759	490	379	22	0	0	77	606	46	139
513	U. West GA	1,749	429	55	103	322	38	73	0	0	729
514	St. Bonaventure U.	1,727	0	20	4	108	0	0	0	0	1,595
515	Mills C.	1,679	0	115	0	7	0	0	0	0	1,557
516	Rider U.	1,671	35	276	44	27	60	0	0	0	1,229
517	SUNY C. Plattsburgh	1,664	526	836	0	251	0	0	0	0	51
518	U. NE Kearney	1,655	63	996	20	358	0	4	0	0	214
519	Arcadia U.	1,649	0	119	157	1	0	216	0	18	1,138
520	West Liberty State C.	1,645	0	0	0	0	0	0	0	550	1,095
521	St. John's U. (Jamaica, NY)	1,643	0	353	0	483	673	0	0	0	134
522	Daemen C.	1,613	0	541	0	0	0	0	0	0	1,072
523	Touro U.-CA	1,600	0	999	0	0	0	0	0	0	601
524	Chicago State U.	1,598	0	1,253	0	345	0	0	0	0	0
525	Bates C.	1,590	195	554	8	581	31	96	0	80	45
526	St. Olaf C.	1,574	4	1,034	123	278	98	5	0	3	29
527	Bastyr U.	1,572	0	1,572	0	0	0	0	0	0	0
528	U. WI-Oshkosh	1,556	143	716	42	166	0	54	108	0	327
529	IN State U.	1,541	248	802	0	96	114	104	0	162	15
530	Benedict C.	1,533	156	676	72	97	0	82	0	450	0
531	CT C.	1,532	0	473	89	964	6	0	0	0	0
532	NM Highlands U.	1,529	184	299	0	980	0	0	0	0	66
533	Davidson C.	1,493	0	245	141	189	282	575	0	0	61
534	Rose-Hulman Institute of Technology	1,482	0	0	130	1,209	0	0	0	143	0
535	Northwestern State U.	1,464	0	276	0	98	0	1,033	0	0	57
536	New England C. of Optometry	1,457	0	1,457	0	0	0	0	0	0	0
537	Trinity U.	1,446	77	66	129	999	96	2	0	18	59

TABLE 16. Higher education R&amp;D expenditures, ranked by all R&amp;D expenditures, by R&amp;D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
538	Hobart and William Smith Colleges	1,434	889	54	0	245	66	66	0	0	114
539	Lincoln U. of the Commonwealth of PA	1,425	0	136	0	79	0	0	616	287	307
540	U. TX of the Permian Basin	1,417	288	59	0	926	1	0	0	0	143
541	Whitman C.	1,415	106	535	0	722	44	0	0	0	8
542	SUNY C. of A&T Cobleskill	1,414	0	22	0	0	0	0	0	1,382	10
543	Roanoke C.	1,379 i	0 i	141 i	0 i	223 i	0 i	332 i	0 i	0 i	683 i
544	Indiana U. PA	1,376	70	260	13	157	11	256	0	0	609
545	SUNY C. Geneseo	1,373	139	247	108	593	73	14	0	0	199
546	Universidad del Este	1,372	0	1,328	0	0	0	0	0	0	44
547	LA State U. Shreveport	1,359	0	465	392	175	0	0	0	0	327
548	Salus U.	1,359	0	1,359	0	0	0	0	0	0	0
549	Purdue U. North Central	1,349	0	56	1	20	0	27	0	23	1,222
550	U. of St. Thomas (St. Paul, MN)	1,330	236	431	165	100	1	0	0	70	327
551	Washington and Jefferson C.	1,327	0	0	0	294	1,033	0	0	0	0
552	U. Redlands	1,317	976	30	0	101	0	0	0	0	210
553	CA State U., East Bay	1,312	270	600	236	155	0	51	0	0	0
554	La Salle U.	1,298	56	98	128	2	6	58	246	0	704
555	Vassar C.	1,280	42	438	322	254	15	20	145	0	44
556	U. Houston-Clear Lake	1,279	569	18	76	115	4	9	2	38	448
557	Philadelphia C. of Osteopathic Medicine	1,278	0	1,236	0	0	42	0	0	0	0
558	C. of the Holy Cross	1,275	0	251	153	498	200	62	0	0	111
559	Seattle U.	1,259 i	0 i	246 i	50 i	498 i	0 i	0 i	0 i	154 i	311 i
560	A. T. Still U. of Health Sciences	1,253	0	1,253	0	0	0	0	0	0	0
561	Plymouth State U.	1,253 i	733 i	191 i	1 i	0 i	0 i	249 i	0 i	0 i	79 i
562	Gonzaga U.	1,249	0	446	178	386	0	1	0	37	201
563	Western IL U.	1,221	26	551	89	240	0	243	61	0	11
564	Governors State U.	1,220	0	1,012	46	0	0	0	0	0	162
565	U. WI-Green Bay	1,219	989	0	7	0	0	15	117	0	91
566	U. Portland	1,205	10	487	61	243	0	0	0	138	266
567	Philadelphia U.	1,200	0	0	0	0	0	0	1,200	0	0
568	SUNY C. Old Westbury	1,197 i	0 i	841 i	3 i	153 i	0 i	200 i	0 i	0 i	0 i
569	Andrews U.	1,195	0	95	118	18	0	557	0	0	407
570	U. TN Martin	1,164	0	0	15	0	0	0	1,124	25	0
571	John Carroll U.	1,154	0	162	320	15	0	69	0	0	588
572	Bradley U.	1,151	0	164	70	30	4	2	1	852	28
573	U. Detroit Mercy	1,148	0	280	277	224	5	0	0	298	64

TABLE 16. Higher education R&amp;D expenditures, ranked by all R&amp;D expenditures, by R&amp;D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
574	U. Hartford	1,137	0	0	179	74	0	31	221	632	0
575	Christopher Newport U.	1,110	0	503	0	593	0	0	0	0	14
576	Niagara U.	1,090	0	205	7	244	76	123	0	0	435
577	Angelo State U.	1,088	1	878	0	116	8	60	0	0	25
578	Ithaca C.	1,077	0	507	102	403	0	34	0	0	31
579	McNeese State U.	1,077	226	196	18	127	134	191	0	108	77
580	IN U. South Bend	1,070	0	97	42	370	355	57	116	0	33
581	Siena C.	1,061	0	207	0	787	0	0	67	0	0
582	William Paterson U. NJ	1,051	4	186	93	198	39	54	0	0	477
583	Drake U.	1,033	41	278	12	317	17	15	0	0	353
584	MS Valley State U.	1,029	51	27	188	43	0	0	0	608	112
585	U. Houston-Downtown	1,013	18	192	274	488	24	0	0	14	3
586	Western States Chiropractic C.	996	0	996	0	0	0	0	0	0	0
587	Grambling State U.	993	0	0	0	993	0	0	0	0	0
588	C. Wooster	988	102	201	98	437	56	44	0	0	50
589	Weber State U.	983	62	202	8	255	27	1	118	136	174
590	Haskell Indian Nations U.	978	81	0	0	841	0	0	0	0	56
591	National U. of Health Sciences	950	0	619	0	0	0	0	0	0	331
592	Washington and Lee U.	939	99	21	0	662	38	119	0	0	0
593	U. PR Cayey	927	0	0	5	206	104	122	273	3	214
594	Providence C.	917	0	784	0	28	83	0	0	0	22
595	Augustana C. (Sioux Falls, SD)	912	0	493	104	315	0	0	0	0	0
596	Northern MI U.	910	50	258	1	25	76	8	0	5	487
597	Evergreen State C.	902	448	272	114	68	0	0	0	0	0
598	Barry U.	897	0	869	28	0	0	0	0	0	0
599	Truman State U.	882	1	444	240	101	20	8	0	0	68
600	Salish Kootenai C.	880	0	199	46	3	0	0	0	134	498
601	Saginaw Valley State U.	873	11	31	169	78	4	13	116	163	288
602	U. WA Tacoma	872	0	0	0	0	0	0	0	106	766
603	Sonoma State U.	858	0	571	0	33	58	196	0	0	0
604	Des Moines U.	855	0	855	0	0	0	0	0	0	0
605	C. NJ, The	850	46	52	176	313	0	218	0	4	41
606	VA Military Institute	849	0	160	30	174	20	41	0	400	24
607	PA State U. Beaver	848	1	3	6	45	2	0	0	0	791
608	SUNY C. Brockport	831	431	269	26	98	0	7	0	0	0
609	Southern OR U.	826	291	259	3	2	0	271	0	0	0
610	Gettysburg C.	814	4	182	9	242	20	207	0	0	150

TABLE 16. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
611	Rhodes C.	804	0	177	0	206	421	0	0	0	0
612	Minot State U.	795	0	728	0	0	67	0	0	0	0
613	Valparaiso U.	791	81	33	88	408	0	0	0	93	88
614	Lawrence U.	784	13	60	0	606	0	81	0	0	24
615	SUNY C. Oswego	783	185	106	59	46	387	0	0	0	0
616	Central CT State U.	776	10	222	64	30	147	185	0	1	117
617	LeTourneau U.	773	0	0	0	27	0	0	40	706	0
618	Wilberforce U.	760	0	224	513	19	0	0	0	4	0
619	Kalamazoo C.	755	0	354	16	174	22	21	0	0	168
620	Eastern IL U.	751	125	373	24	153	4	24	16	0	32
621	Albany State U.	740	0	273	0	290	0	77	0	100	0
622	U. South FL Sarasota-Manatee	732	0	7	0	0	34	64	0	0	627
623	Cheyney U. PA	725	0	725	0	0	0	0	0	0	0
624	Millsaps C.	722	15	119	5	282	0	301	0	0	0
625	U. WI-Whitewater	718	80	181	0	31	0	76	5	0	345
626	SUNY Institute of Technology at Utica-Rome	713	0	0	603	0	0	0	0	92	18
627	Northeastern IL U.	711	4	56	52	13	230	21	0	0	335
628	Le Moyne-Owen C.	708	0	0	670	0	0	0	0	0	38
629	IL Wesleyan U.	707	0	79	0	237	25	132	10	0	224
630	Northeastern State U.	707	0	545	0	146	0	0	0	0	16
631	U. MI-Flint	693	0	95	7	62	2	9	0	14	504
632	Kansas City U. of Medicine and Biosciences	685	0	685	0	0	0	0	0	0	0
633	Seattle Pacific U.	684	64	36	0	82	23	0	0	0	479
634	U. WI-Platteville	681	0	367	0	224	0	28	3	59	0
635	Radford U.	680	0	214	79	0	53	41	10	0	283
636	U.S. Coast Guard Academy	680	3	0	0	34	0	0	0	599	44
637	U. MN Morris	672	192	25	20	96	0	82	0	0	257
638	CO C.	671	143	70	35	175	20	100	0	0	128
639	Marist C.	671	0 i	0 i	525 i	9 i	1 i	0 i	0 i	0 i	136 i
640	PA State U. Altoona	671	29	44	89	56	0	2	0	366	85
641	Abilene Christian U.	662	7	4	14	556	0	4	0	40	37
642	New C. FL	660	0	60	11	529	4	13	0	0	43
643	CUNY Medgar Evers C.	658	119	147	209	141	0	2	0	0	40
644	Hendrix C.	656	54	362	0	114	0	0	0	126	0
645	Loyola C.	648	0	32	383	1	0	17	0	21	194

TABLE 16. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
646	Mt. St. Mary's C. (Los Angeles, CA)	647	0	647	0	0	0	0	0	0	0
647	St. Michael's C.	644	0	239	99	146	111	2	0	26	21
648	U. South FL Polytechnic	642	0	0	0	20	12	13	0	0	597
649	St. John's U. (Collegeville, MN)	640	0	181	66	85	18	40	0	0	250
650	Sinte Gleska U.	630	40	72	368	52	0	25	0	0	73
651	U. WA Bothell	630	0	0	0	0	0	0	0	471	159
652	Denison U.	620 i	53 i	133 i	12 i	284 i	0 i	3 i	0 i	0 i	135 i
653	Concordia C.	617	0	143	7	304	2	0	0	0	161
654	MT State U. Billings	598	0	442	0	6	0	23	0	0	127
655	Loyola U. New Orleans	595	0	360	11	191	0	10	0	0	23
656	WV School of Osteopathic Medicine	594	0	594	0	0	0	0	0	0	0
657	Bridgewater State C.	587	118	228	0	61	0	112	0	0	68
658	Wiley C.	575	0	198	229	15	0	49	0	0	84
659	Hampshire C.	569	191	4	0	374	0	0	0	0	0
660	U. WI-Parkside	541	6	65	68	65	0	2	8	0	327
661	Ursinus C.	540	0	111	158	218	53	0	0	0	0
662	Lake Forest C.	533	0 i	190 i	6 i	59 i	56 i	53 i	0 i	0 i	169 i
663	SUNY C. Cortland	527	12	88	0	9	63	3	0	0	352
664	Millersville U. PA	523	85	135	121	18	0	85	58	0	21
665	Frostburg State U.	521	10	397	0	96	0	0	0	18	0
666	Elizabethtown C.	514	0 i	65 i	0 i	124 i	29 i	0 i	0 i	44 i	252 i
667	SUNY Fredonia	513	0	145	0	248	0	0	0	0	120
668	Juniata C.	511	11	344	0	156	0	0	0	0	0
669	SUNY C. Potsdam	511	31	40	0	388	0	0	0	0	52
670	Allegheny C.	505	47	19	8	203	7	0	0	0	221
671	DePauw U.	503	11	133	95	189	25	16	0	0	34
672	Manhattan C.	498	0	0	0	0	0	0	0	498	0
673	St. Mary's U. (San Antonio, TX)	495	0	0	0	0	0	0	0	130	365
674	Muhlenberg C.	488	0	363	0	125	0	0	0	0	0
675	Goucher C.	485	0	154	0	171	0	0	0	0	160
676	U. VA's C. Wise, The	481	0	0	0	0	0	0	481	0	0
677	AR Tech U.	477 i	188 i	96 i	0 i	0 i	0 i	0 i	88 i	14 i	91 i
678	Augustana C. (Rock Island, IL)	465	58	120	1	149	1	8	0	0	128
679	Mercy C.	464	0	238	11	0	81	85	35	0	14
680	U. SC Beaufort	462	3 i	38 i	14 i	55 i	0 i	11 i	3 i	287 i	51 i
681	U. Puget Sound	461	2	231	12	53	3	28	0	0	132
682	Coe C.	457	0	10	10	396	0	9	0	0	32

TABLE 16. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
683	U. WI-River Falls	441	10	124	0	224	0	17	63	0	3
684	Simmons C.	440	0	79	16	35	0	255	0	0	55
685	Southern Polytechnic State U.	435	0	0	15	0	0	0	0	157	263
686	AK Pacific U.	434	424	10	0	0	0	0	0	0	0
687	Southwestern OK State U.	428	0	174	13	229	7	2	0	0	3
688	Pacific Lutheran U.	425	33	139	0	131	40	59	0	0	23
689	Wilkes U.	420	0	82	0	279	0	0	0	59	0
690	Kenyon C.	414	0	414	0	0	0	0	0	0	0
691	CO State U. Pueblo	413	0	232	28	111	0	0	0	42	0
692	IN U. Southeast	408	0	0	0	121	0	42	182	0	63
693	U. NC Pembroke	408	0	271	0	137	0	0	0	0	0
694	Southern U. New Orleans	402	0	0	0	0	0	0	0	0	402
695	Jacksonville State U.	398	395	3	0	0	0	0	0	0	0
696	Ft. Lewis C.	392	68	225	0	67	0	0	0	0	32
697	U. WI-Stout	388	18	103	14	25	0	7	129	36	56
698	Fuller Theological Seminary	384	0	0	0	0	384	0	0	0	0
699	Winona State U.	375	19	176	5	9	0	4	0	0	162
700	Cooper Union, The	371	0	0	0	0	0	0	0	371	0
701	Adelphi U.	360	0	36	71	76	36	0	0	0	141
702	Auburn U. Montgomery	351	0	0	64	0	0	0	0	0	287
703	Midwestern State U.	348	0	267	1	45	2	9	1	3	20
704	Pitzer C.	347	32 i	94 i	36 i	0 i	60 i	119 i	0 i	0 i	6 i
705	Luther C.	342	7	98	7	102	10	7	0	65	46
706	St. Mary's C. MD	342	0	11	43	197	43	48	0	0	0
707	U. SC Aiken	337	41 i	116 i	8 i	24 i	15 i	20 i	12 i	24 i	77 i
708	SUNY C. Oneonta	336	0	236	0	54	0	37	0	0	9
709	Jacksonville U.	335	0	161	0	111	0	63	0	0	0
710	OH Wesleyan U.	335	6	73	0	232	24	0	0	0	0
711	Eckerd C.	327	298	7	8	14	0	0	0	0	0
712	Vanguard U. Southern CA	319 i	0 i	266 i	0 i	0 i	0 i	0 i	0 i	0 i	53 i
713	St. Joseph's C. (Standish, ME)	317	137	168	0	12	0	0	0	0	0
714	Gustavus Adolphus C.	310	11	52	0	198	3	7	0	0	39
715	OH Northern U.	308	0	190	0	54	0	0	0	23	41
716	U. MT Western, The	301	39	262	0	0	0	0	0	0	0
717	Mayville State U.	275	0	275	0	0	0	0	0	0	0
718	PA State U. Great Valley School of Graduate Professional Studies	275	0	0	0	0	0	0	0	162	113
719	U. SC Upstate	261	32 i	93 i	3 i	16 i	8 i	16 i	10 i	15 i	68 i

TABLE 16. Higher education R&D expenditures, ranked by all R&D expenditures, by R&D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
720	Fairleigh Dickinson U.	254	2	151	0	0	0	85	16	0	0
721	Farmingdale State C.	253	0	202	0	0	0	0	0	26	25
722	SUNY New Paltz	251	0	0	155	59	0	32	0	0	5
723	U. MN Rochester	248	0	202	0	0	0	0	43	0	3
724	U. Scranton	240	19	111	0	49	0	17	0	0	44
725	SUNY C. of A&T Morrisville	233	0	184	0	0	0	0	0	11	38
726	MA C. of Pharmacy and Health Sciences	232	0	0	0	229	0	3	0	0	0
727	CUNY New York City C. of Technology	231	0	1	55	69	0	0	0	8	98
728	Canisius C.	221	0	73	125	23	0	0	0	0	0
729	Jarvis Christian C.	216	0	106	34	76	0	0	0	0	0
730	Dowling C.	200	0	123	77	0	0	0	0	0	0
731	Eastern OR U.	200	0	22	34	144	0	0	0	0	0
732	North GA C. & State U.	197	0	1	20	176	0	0	0	0	0
733	Southeastern OK State U.	192	0	0	0	189	0	0	0	0	3
734	NJ City U.	188	0	0	3	135	7	0	0	0	43
735	Benedictine U.	186	0	70	7	91	0	0	0	0	18
736	Fitchburg State C.	174	0	174	0	0	0	0	0	0	0
737	Carlos Albizu U. (San Juan, PR)	165	0	0	0	0	165	0	0	0	0
738	OK State U. Tulsa	158	0	0	0	0	0	0	158	0	0
739	Sarah Lawrence C.	158	60	98	0	0	0	0	0	0	0
740	PA State U. Berks	155	0	32	0	123	0	0	0	0	0
741	PA State U. Worthington-Scranton	152	0	50	0	102	0	0	0	0	0

i = imputed. NA = not available; data were not provided by institution.

nec = not elsewhere classified; S&E = science and engineering.

<sup>a</sup> The Johns Hopkins University includes Applied Physics Laboratory, with \$1,079,938 in total R&D expenditures in FY 2010.

NOTES: Tied institutions are ranked alphabetically. Institutions ranked are geographically separate campuses headed by a campus-level president or chancellor. Some campuses are part of large multicampus universities; some are part of state university systems. For complete listing of campuses that belong to a larger university or system and their aggregate R&D expenditures, see table C-2.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.



TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
	All institutions	37,487,673	2,014,234	21,686,463	1,593,795	3,380,137	760,007	897,468	438,792	5,732,357	984,420
1	Johns Hopkins U., The <sup>a</sup>	1,737,261	47,373	632,289	109,537	161,126	4,638	5,447	21,536	749,872	5,443
2	U. WA Seattle	829,885	130,006	540,825	6,577	40,910	7,586	5,899	804	76,826	20,452
3	U. MI-Ann Arbor	747,778	7,509	458,411	9,579	32,226	12,126	72,983	4	136,941	17,999
4	U. PA	642,180	671	530,240	14,584	29,191	7,438	14,289	698	29,705	15,364
5	U. Pittsburgh main campus	594,675	9,835	508,957	6,364	14,637	7,523	4,955	5,579	23,298	13,527
6	Stanford U.	593,016	7,174	356,675	22,613	70,967	10,027	10,058	0	99,039	16,463
7	U. CA, San Diego	580,279	93,173	349,082	17,258	43,885	16,122	4,911	2,100	52,358	1,390
8	Columbia U. in the City of New York	572,213	64,159	389,332	15,783	43,061	6,149	5,858	0	37,189	10,682
9	U. NC Chapel Hill	545,993	18,913	422,020	14,498	28,754	10,784	46,941	0	0	4,083
10	U. WI-Madison	545,189	32,910	318,490	20,492	65,976	4,602	17,608	0	62,395	22,716
11	U. CA, Los Angeles	538,521	9,571	383,499	17,760	54,589	10,732	3,885	5,925	36,462	16,098
12	U. CA, San Francisco	514,693	0	503,813	0	10,880	0	0	0	0	0
13	Duke U.	514,084	9,076	417,450	11,679	14,886	13,271	14,512	0	32,595	615
14	Yale U.	475,794	3,081	416,083	6,311	23,321	5,218	1,692	0	19,304	784
15	Harvard U.	474,899	20,776	313,504	6,621	45,657	5,587	9,237	36,646	29,209	7,662
16	Washington U. St. Louis	468,642	5,522	419,723	3,695	13,136	5,441	4,719	450	14,307	1,649
17	PA State U. University Park and Hershey Medical Ctr.	464,750	32,147	123,518	43,120	37,647	25,933	12,930	4	188,002	1,449
18	MA Institute of Technology	457,575	32,531	82,036	42,604	110,050	1,390	3,011	5,128	174,300	6,525
19	Cornell U.	448,085	7,846	257,350	18,248	81,141	3,055	10,724	1,049	67,292	1,380
20	U. MN Twin Cities	426,359	5,102	294,462	16,039	30,789	13,985	12,257	148	47,320	6,257
21	U. Southern CA	408,564	13,090	237,638	92,144	9,841	6,325	7,262	44	36,028	6,192
22	OH State U.	399,942	6,295	241,995	14,287	26,009	8,658	13,201	12,723	61,465	15,309
23	Vanderbilt U.	397,656	366	303,454	1,144	21,377	10,541	2,807	1,698	35,798	20,471
24	Northwestern U.	379,648	1,502	254,391	1,982	28,779	3,462	4,380	11,562	50,135	23,455
25	GA Institute of Technology	372,122	9,356	10,329	50,773	24,137	3,593	4,188	3,181	264,975	1,590
26	U. Chicago	352,728	5,545	250,015	36,543	45,908	7,417	3,109	0	0	4,191
27	U. TX Austin	350,308	35,219	43,973	63,419	67,293	7,274	11,675	1,521	101,065	18,869
28	Emory U.	336,986	381	308,175	1,006	9,094	2,807	344	7,220	7,921	38
29	Case Western Reserve U.	333,689	681	290,065	496	8,734	866	3,507	0	29,089	251
30	U. CA, Davis	332,325	8,176	250,396	9,545	19,114	1,872	7,030	834	32,074	3,284
31	CA Institute of Technology	328,522	14,310	48,731	10,909	207,180	0	0	3,537	41,084	2,771
32	U. AL Birmingham, The	325,103	0	298,758	2,069	4,024	2,380	797	0	12,676	4,399
33	U. Rochester	322,048	695	223,438	2,539	12,435	12,786	235	208	68,922	790
34	Scripps Research Institute, The	313,746	0	313,746	0	0	0	0	0	0	0
35	U. CA, Berkeley	312,789	8,190	109,736	6,031	64,428	5,813	8,941	47,033	53,029	9,588

TABLE 17. Federally financed higher education R&amp;D expenditures, ranked by all federal R&amp;D expenditures, by R&amp;D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
36	U. AZ	308,157	12,492	134,237	9,092	116,546	2,302	7,908	1,833	22,628	1,119
37	U. IL Urbana-Champaign	303,852	4,892	82,011	48,951	48,467	10,464	4,969	1,188	93,294	9,616
38	Mt. Sinai School of Medicine	302,770	0	302,770	0	0	0	0	0	0	0
39	Boston U.	302,411	4,235	196,021	4,689	40,864	10,533	1,636	11,866	28,623	3,944
40	U. MD College Park	297,896	15,847	42,412	28,638	69,027	3,894	66,683	0	67,334	4,061
41	U. CO Boulder	292,030	76,190	31,802	8,938	83,595	13,101	4,932	757	62,693	10,022
42	TX A&M U.	288,173	79,276	64,551	10,884	21,901	3,532	4,995	1,610	90,228	11,196
43	U. CO Denver and Health Sciences Ctr.	285,126	23	268,876	687	662	600	442	2,989	1,294	9,553
44	Baylor C. of Medicine	284,072	0	284,072	0	0	0	0	0	0	0
45	U. IA	282,465	610	220,116	2,751	24,813	6,320	9,015	193	16,271	2,376
46	U. FL	279,649	5,578	180,901	6,556	23,941	6,621	4,416	1,227	40,525	9,884
47	U. Cincinnati	262,513	232	237,300	176	3,533	1,254	1,571	310	17,606	531
48	NY U.	260,463	46	202,967	13,653	12,527	15,594	5,219	0	0	10,457
49	OR Health & Science U.	247,054	0	220,302	26,752	0	0	0	0	0	0
50	U. South FL	243,017	10,395	177,142	1,731	4,023	10,481	3,908	674	11,280	23,383
51	Purdue U. main campus	232,564	5,318	75,700	13,334	24,195	4,500	5,514	57	93,061	10,885
52	U. IL Chicago	232,380	1,537	181,606	8,873	9,718	4,744	4,703	6,446	11,504	3,249
53	U. TX Southwestern Medical Ctr. Dallas	232,027	0	232,027	0	0	0	0	0	0	0
54	U. VA main campus	228,917	2,686	153,843	6,120	17,667	6,136	737	451	36,967	4,310
55	U. UT	227,021	5,964	156,750	17,767	15,092	1,314	1,078	0	28,524	532
56	Rutgers, the State U. NJ-New Brunswick	224,894	15,604	96,272	13,926	37,547	6,976	16,351	368	31,866	5,984
57	MI State U.	214,134	10,135	93,829	6,965	48,369	4,197	13,632	483	21,125	15,399
58	CO State U.	211,297	87,114	77,172	4,197	8,253	3,952	4,164	57	20,981	5,407
59	U. MD Baltimore	208,246	134	205,834	0	0	0	0	0	718	1,560
60	U. TX M. D. Anderson Cancer Ctr.	206,664	0	180,374	5,614	7,395	6,777	6,504	0	0	0
61	U. Miami	197,824	44,889	132,808	788	2,278	10,886	841	174	3,771	1,389
62	U. HI Manoa	196,275	55,850	68,405	30,415	24,415	0	2,750	10,951	3,489	0
63	U. CA, Irvine	194,559	6,362	119,546	11,066	24,961	5,326	3,943	75	18,064	5,216
64	Carnegie Mellon U.	179,386	1,891	11,218	79,437	9,771	8,253	3,764	2,890	61,912	250
65	U. MA Worcester	178,293	0	178,293	0	0	0	0	0	0	0
66	AZ State U.	172,202	17,420	34,518	11,864	17,459	9,187	13,410	9,247	51,785	7,312
67	U. KY	171,528	1,787	117,659	4,210	6,347	9,930	2,816	2,486	21,957	4,336
68	SUNY Buffalo	167,099	1,733	105,165	8,049	8,777	4,742	1,681	129	34,201	2,622
69	Yeshiva U.	163,399	0	162,975	0	241	183	0	0	0	0

TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
70	VA Polytechnic Institute and State U.	162,566	4,008	54,666	5,077	12,428	3,003	3,247	317	78,890	930
71	U. TN Knoxville	162,151	5,165	72,170	17,993	13,108	798	4,009	2,435	32,990	13,483
72	Wake Forest U.	159,084	0	156,538	246	2,144	118	0	38	0	0
73	Woods Hole Oceanographic Institution	153,066	112,191	0	0	0	0	0	0	40,875	0
74	U. TX Health Science Ctr. Houston	150,324	0	150,324	0	0	0	0	0	0	0
75	Princeton U.	150,261	13,950	33,731	13,786	26,653	7,460	11,747	101	41,736	1,097
76	IN U.-Purdue U. Indianapolis	148,672	561	136,045	1,154	859	1,421	1,008	72	6,255	1,297
77	U. NM	148,216	4,677	87,215	4,906	11,722	7,918	3,566	2,314	24,685	1,213
78	U. KS	147,598	7,104	99,146	1,272	14,758	909	2,362	1,027	10,880	10,140
79	VA Commonwealth U.	144,138	452	108,794	2,207	4,888	3,308	2,529	0	3,535	18,425
80	NC State U.	139,096	5,043	53,196	15,313	11,443	1,043	3,779	441	46,866	1,972
81	OR State U.	135,886	35,872	61,116	3,383	2,952	211	2,301	10,424	18,822	805
82	FL State U.	134,794	13,527	23,069	8,304	31,298	13,481	8,577	1,387	27,928	7,223
83	U. CT	132,169	5,140	81,681	3,497	6,807	15,155	2,839	125	13,456	3,469
84	Wayne State U.	132,166	130	103,324	1,756	12,653	2,256	922	0	10,377	748
85	Medical U. SC	131,650	0	131,650	0	0	0	0	0	0	0
86	U. CA, Santa Barbara	129,457	12,213	16,670	5,851	31,693	4,944	3,016	0	53,309	1,761
87	U. TX Medical Branch	128,840	0	127,953	0	0	0	0	0	887	0
88	Brown U.	127,087	5,939	67,171	12,772	14,749	2,436	3,916	3,469	10,297	6,338
89	U. SC Columbia	125,501	19,463	42,655	4,388	16,720	7,692	581	0	28,391	5,611
90	SUNY Albany	124,324	2,983	102,167	1,597	1,653	2,021	5,458	0	7,525	920
91	U. of Medicine & Dentistry NJ	123,399	0	123,399	0	0	0	0	0	0	0
92	George Washington U.	122,357	320	85,955	3,738	2,674	3,272	14,209	3,858	6,818	1,513
93	Medical C. WI	121,750	0	121,750	0	0	0	0	0	0	0
94	U. TX Health Science Ctr. San Antonio	121,723	0	121,723	0	0	0	0	0	0	0
95	Georgetown U.	120,589	0	110,149	261	4,335	991	2,509	0	1,264	1,080
96	SUNY Stony Brook	120,146	14,476	60,757	9,972	19,191	4,567	1,001	132	9,994	56
97	U. GA	118,862	5,293	86,723	2,899	4,398	9,261	2,891	838	4,322	2,237
98	Dartmouth C.	118,271	373	88,888	2,316	5,116	4,745	349	4,529	11,593	362
99	U. MO-Columbia	116,965	1,642	81,759	2,925	6,162	418	4,085	0	16,371	3,603
100	Tufts U.	116,699	148	94,304	2,177	5,124	1,990	360	0	11,056	1,540
101	WA State U.	113,452	3,358	48,775	2,989	16,207	975	17,863	329	14,837	8,119
102	IA State U.	109,461	3,708	48,045	9,633	8,177	94	7,597	150	30,777	1,280
103	Tulane U.	106,872	1,933	93,386	2,086	2,308	596	3,237	0	2,475	851
104	MS State U.	106,324	5,755	36,453	6,977	2,197	924	7,263	3,622	42,033	1,100

TABLE 17. Federally financed higher education R&amp;D expenditures, ranked by all federal R&amp;D expenditures, by R&amp;D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
105	U. DE	105,454	12,095	20,710	4,996	12,865	2,997	6,176	189	42,609	2,817
106	U. OK	105,366	16,098	64,135	1,158	7,313	1,252	1,191	0	8,918	5,301
107	U. AK Fairbanks	99,657	42,673	19,841	14,971	5,506	0	1,262	7,804	5,832	1,768
108	U. VT	98,635	1,291	83,721	469	1,194	2,982	95	2,103	6,733	47
109	NM State U.	98,399	408	13,745	6,448	11,162	598	326	957	64,406	349
110	LA State U. and A&M C.	97,407	10,442	50,880	3,161	12,847	781	3,509	3,124	9,867	2,796
111	U. NE-Lincoln	96,069	3,487	38,463	6,235	11,636	6,154	5,095	4,513	19,607	879
112	Naval Postgraduate School	93,605	14,905	0	17,474	9,954	0	5,177	23,975	15,280	6,840
113	U. Louisville	93,260	161	62,369	500	3,418	2,632	377	0	14,136	9,667
114	MT State U. Bozeman	93,100	1,731	30,499	1,436	22,554	135	943	13,788	13,649	8,365
115	UT State U.	90,581	1,653	21,628	1,289	2,658	2,289	347	785	59,101	831
116	U. MA Amherst	89,413	2,002	27,825	12,061	22,212	2,820	2,364	0	19,576	553
117	Rockefeller U.	88,705	92	82,790	546	5,277	0	0	0	0	0
118	U. NH	84,553	49,137	11,883	421	2,404	32	2,253	1,921	8,140	8,362
119	U. CA, Santa Cruz	84,518	10,405	10,536	2,459	14,977	264	1,407	0	41,550	2,920
120	U. NE Medical Ctr.	80,784	0	80,784	0	0	0	0	0	0	0
121	Temple U.	79,939	105	55,642	2,110	6,191	8,978	1,020	0	2,124	3,769
122	WV U.	79,415	4,418	42,574	392	4,196	199	952	1,769	19,965	4,950
123	Thomas Jefferson U.	77,817	0	77,817	0	0	0	0	0	0	0
124	Drexel U.	77,438	0	38,026	3,093	3,673	1,695	285	0	28,567	2,099
125	U. OR	76,378	2,948	27,187	6,520	15,426	9,148	5,453	0	127	9,569
126	U. Dayton	73,540	0	858	487	124	0	0	486	70,612	973
127	U. AL Huntsville, The	73,075	7,097	1,391	17,099	10,448	0	5,108	0	30,318	1,614
128	U. AR for Medical Sciences	72,217	0	72,217	0	0	0	0	0	0	0
129	Uniformed Services U. of the Health Sciences	72,125	0	63,782	0	0	8,343	0	0	0	0
130	U. MS and U. MS Medical Ctr.	71,475	5,858	44,172	343	13,206	53	453	0	4,946	2,444
131	IN U. Bloomington	71,208	1,018	22,542	9,361	19,387	9,285	5,430	460	0	3,725
132	Rice U.	69,395	2,131	7,755	12,593	16,956	505	756	1,708	26,772	219
133	U. Central FL	69,331	7,388	3,059	712	16,955	356	3,439	17,075	18,811	1,536
134	KS State U.	68,560	92	38,928	1,569	8,935	1,484	2,294	986	12,112	2,160
135	U. CA, Riverside	63,127	3,595	22,122	3,611	12,383	2,791	1,025	44	12,588	4,968
136	George Mason U.	63,011	6,506	8,061	8,809	6,459	3,987	15,484	0	10,285	3,420
137	U. RI	62,981	27,304	17,300	777	5,373	103	0	5,254	4,852	2,018
138	Clemson U.	62,934	0	10,341	2,468	5,697	671	1,933	0	38,264	3,560
139	FL International U.	62,580	1,451	19,415	4,391	4,353	1,832	9,928	0	11,414	9,796
140	U. of Notre Dame	62,152	0	9,949	4,356	16,585	2,460	872	5,696	21,727	507

TABLE 17. Federally financed higher education R&amp;D expenditures, ranked by all federal R&amp;D expenditures, by R&amp;D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
141	U. MD Baltimore County	59,448	30,489	3,595	5,143	6,972	1,426	3,959	43	6,970	851
142	Northeastern U.	59,074	487	15,213	4,061	10,700	1,125	1,986	0	23,155	2,347
143	U. NV, Reno	58,115	9,425	27,085	1,579	7,705	1,070	2,691	739	7,821	0
144	OK State U. main campus	56,998	378	17,101	811	2,752	196	1,160	7,293	27,307	0
145	San Diego State U.	56,504	1,840	26,043	3,017	3,602	11,891	3,303	2,640	1,410	2,758
146	Rensselaer Polytechnic Institute	54,847	1,536	2,907	6,422	9,379	1,999	257	0	32,059	288
147	Auburn U. main campus	53,971	1,733	18,565	401	4,228	400	3,026	473	24,822	323
148	U. Houston	52,920	1,607	12,712	6,884	4,198	7,497	2,364	0	14,886	2,772
149	U. ND	52,504	10,341	12,346	17	1,191	10	20	112	28,344	123
150	ND State U.	51,883	218	12,878	2,782	13,112	1,418	7,798	1,534	11,458	685
151	Medical C. GA	51,727	0	51,727	0	0	0	0	0	0	0
152	Rush U.	51,304	0	49,113	0	0	2,191	0	0	0	0
153	U. ME	50,163	11,038	14,811	254	1,993	1,212	4,242	3,396	11,324	1,893
154	NJ Institute of Technology	50,051	0	336	3,883	10,254	0	65	2,979	30,315	2,219
155	U.S. Air Force Academy	49,711	0	270	255	3,350	0	73	0	39,855	5,908
156	U. ID	46,303	2,766	25,412	888	2,100	0	802	2,354	10,760	1,221
157	LA State U. Health Sciences Ctr. New Orleans	46,142	0	46,142	0	0	0	0	0	0	0
158	FL A&M U.	45,856	2,879	16,479	1,003	3,778	0	79	0	2,093	19,545
159	U. WY	45,323	13,208	16,655	312	2,496	274	855	5,085	5,141	1,297
160	Brandeis U.	43,669	0	25,482	1,863	5,445	2,451	8,041	0	0	387
161	NM Institute of Mining and Technology	42,243	6,977	116	494	13,977	0	0	5,368	15,311	0
162	U. MT-Missoula, The	40,760	1,291	33,997	554	2,464	296	1,514	0	0	644
163	Jackson State U.	39,457	182	3,295	737	13,804	121	2,396	9,151	5,241	4,530
164	U. Toledo	38,389	2,920	19,222	121	8,508	47	206	0	5,960	1,405
165	SD State U.	38,368	3,367	23,503	288	1,124	0	1,633	0	8,394	59
166	U. Southern MS	37,054	12,374	6,731	464	10,955	142	865	5,092	106	325
167	Portland State U.	36,996	3,021	2,655	2,659	6,988	906	3,252	0	6,372	11,143
168	TX Tech U.	35,970	5,300	7,480	2,280	4,450	110	1,390	0	11,670	3,290
169	Old Dominion U.	34,687	3,353	5,992	1,579	3,636	962	503	1,532	12,977	4,153
170	U. TX El Paso	34,617	2,414	10,902	5,067	2,123	1,149	1,290	158	11,336	178
171	Syracuse U.	33,796	1,512	2,394	2,066	5,356	3,783	2,999	520	8,341	6,825
172	St. Louis U.	33,728	475	30,984	20	1,151	247	24	0	754	73
173	U. AR main campus	33,674	1,574	13,338	239	7,424	299	427	0	9,358	1,015
174	TX A&M U. System Health Science Ctr.	33,511	0	32,139	0	12	216	929	0	215	0
175	Boston C.	33,290	7,458	6,553	3,404	7,708	2,362	3,866	0	0	1,939

TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
176	Howard U.	33,017	1,811	19,322	692	2,657	1,995	1,368	0	4,366	806
177	CUNY The City C.	32,900	0	6,636	850	4,194	911	72	0	19,507	730
178	U. NV, Las Vegas	32,441	8,922	5,313	1,070	6,482	641	1,410	0	7,659	944
179	U. TX Arlington	31,628	337	1,782	2,815	6,456	1,809	0	0	16,472	1,957
180	U. TX Dallas	30,754	227	8,700	3,871	6,009	2,345	1,822	0	7,045	735
181	CO School of Mines	29,892	2,225	0	1,001	5,504	0	111	0	19,575	1,476
182	U. PR Medical Sciences Campus	29,813	0	29,813	0	0	0	0	0	0	0
183	Stevens Institute of Technology	29,370	7,654	0	1,998	781	0	0	0	15,933	3,004
184	Eastern VA Medical School	29,291	0	29,291	0	0	0	0	0	0	0
185	Loma Linda U.	29,284	878	26,226	0	0	71	0	0	0	2,109
186	U. WI-Milwaukee	29,042	3,824	5,654	908	5,765	1,152	2,193	0	4,145	5,401
187	Loyola U. Chicago	28,995	54	25,900	266	534	685	514	0	0	1,042
188	U. TX San Antonio	28,717	441	13,471	5,560	1,763	84	918	0	4,799	1,681
189	U. of the VI	28,369	0	27,291	0	0	0	0	0	0	1,078
190	IL Institute of Technology	28,349	0	9,962	2,998	2,745	1,459	0	0	10,616	569
191	Desert Research Institute	28,307	26,953	991	0	0	0	363	0	0	0
192	MO U. of Science and Technology	28,239	1,295	109	643	2,022	0	0	0	24,170	0
193	SUNY Upstate Medical U.	27,959	0	27,959	0	0	0	0	0	0	0
194	C. of William and Mary and VA Institute of Marine Science	27,685	12,529	1,616	1,674	4,444	265	587	1,363	0	5,207
195	MI Technological U.	27,676	7,416	454	365	1,818	0	47	9	17,298	269
196	GA State U.	27,073	65	12,199	591	4,985	3,974	1,915	3	0	3,341
197	Morehouse School of Medicine	26,559	0	26,559	0	0	0	0	0	0	0
198	U. AL, The	26,364	1,183	2,804	3,121	4,886	2,000	1,859	0	10,092	419
199	U. North TX Health Science Ctr.	25,847	0	25,847	0	0	0	0	0	0	0
200	U. MA Lowell	25,550	2,502	2,444	1,475	8,133	0	1,595	779	7,547	1,075
201	SD School of Mines and Technology	25,172	745	0	54	699	0	92	0	23,582	0
202	Cleveland State U.	25,024	174	19,711	25	269	76	548	0	4,091	130
203	SUNY Health Science Ctr. Brooklyn	25,023	0	25,023	0	0	0	0	0	0	0
204	Wright State U.	24,785	486	14,038	1,278	1,715	923	0	18	6,327	0
205	U. MA Boston	24,527	1,586	5,795	1,716	716	4,922	2,929	0	123	6,740
206	Meharry Medical C.	24,302	0	24,302	0	0	0	0	0	0	0
207	San Jose State U.	24,292	4,034	1,203	272	1,878	11,588	4	165	2,432	2,716
208	NC Agricultural and Technical State U.	23,883	0	7,096	2,141	3,389	0	664	204	10,384	5
209	Lehigh U.	23,721	1,081	1,798	2,198	5,163	235	282	0	11,327	1,637
210	Rochester Institute of Technology	23,254	254	362	1,496	6,147	82	607	0	10,545	3,761

TABLE 17. Federally financed higher education R&amp;D expenditures, ranked by all federal R&amp;D expenditures, by R&amp;D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
211	Southern IL U. Carbondale	22,209	692	15,632	464	3,077	389	376	118	1,461	0
212	AL A&M U.	22,154	0	4,546	201	13,338	0	2,051	0	2,018	0
213	U.S. Military Academy	22,146	674 i	0 i	6,199 i	1,558 i	499 i	6,731 i	0 i	5,910 i	575 i
214	Brigham Young U.	22,115	355	4,217	1,547	3,901	535	548	0	7,270	3,742
215	U. PR Rio Piedras	21,717	2,001	4,691	126	13,639	622	0	0	51	587
216	NY Medical C.	21,095	0	21,095	0	0	0	0	0	0	0
217	SUNY Binghamton	20,979	537	1,913	1,465	2,302	4,380	2,689	0	7,480	213
218	U. Memphis, The	20,654	1,693	1,722	2,143	1,558	3,814	2,323	319	4,154	2,928
219	Charles R. Drew U. of Medicine and Science	20,430	0	20,430	0	0	0	0	0	0	0
220	Western MI U.	19,738	780	1,538	1,440	2,558	761	597	0	2,446	9,618
221	U. NC Greensboro	19,477	0	4,393	379	1,760	2,263	2,062	0	0	8,620
222	U. New Orleans	19,244	2,920	344	772	6,570	585	865	533	1,596	5,059
223	Mercer U.	18,778	0	2,018	0	0	0	0	0	16,760	0
224	CUNY Hunter C.	18,498	288	7,186	287	3,978	4,670	1,134	0	0	955
225	OH U.	18,466	571	4,365	118	4,184	848	33	0	8,090	257
226	Marshall U.	18,218	183	10,769	0	299	0	0	165	6,802	0
227	U. North TX	17,511	231	3,119	1,681	3,718	98	473	0	5,226	2,965
228	Northern IL U.	17,334	1,702	4,761	379	3,882	1,239	63	0	4,881	427
229	U. NC Charlotte	17,284	618	4,848	4,576	1,627	124	713	0	2,938	1,840
230	FL Atlantic U.	17,268	1,054	4,657	1,166	1,864	2,084	0	6	5,626	811
231	CA State U., Northridge	17,213	1,492	1,415	580	3,012	2,461	35	1,449	678	6,091
232	U. SD	16,467	0	12,917	245	2,054	581	24	0	532	114
233	U. MO-Kansas City	16,391	64	13,340	794	1,012	718	0	0	211	252
234	East Carolina U.	16,113	1,001	11,924	151	1,429	255	525	0	302	526
235	Catholic U. America, The	15,878	0	1,158	0	12,107	390	34	0	2,148	41
236	Albany Medical C.	15,758	0	15,758	0	0	0	0	0	0	0
237	San Francisco State U.	15,601	2,100	6,982	1,125	2,372	1,898	540	0	390	194
238	Air Force Institute of Technology	15,474	35	0	3,944	5,345	0	231	0	3,959	1,960
239	Northern AZ U.	15,070	2,129	11,319	60	644	23	363	0	452	80
240	U. South AL	14,730	1,478	11,043	356	576	346	137	0	407	387
241	ID State U.	14,645	2,154	3,536	420	6,037	105	356	0	983	1,054
242	Boise State U.	14,614	2,239	2,955	1,161	1,100	9	592	333	5,848	377
243	Kent State U.	14,586	257	2,136	1,257	5,503	3,322	532	0	304	1,275
244	Hampton U.	14,455	3,289	1,636	551	7,919	0	0	0	1,060	NA
245	U. NC Wilmington	14,364	5,852	4,879	149	1,329	242	575	0	0	1,338

TABLE 17. Federally financed higher education R&amp;D expenditures, ranked by all federal R&amp;D expenditures, by R&amp;D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
246	LA State U. Medical Ctr. Shreveport	13,890	0	13,890	0	0	0	0	0	0	0
247	Wichita State U.	13,751	0	1,852	264	1,056	136	39	0	10,286	118
248	CA State U., Fullerton	13,651	317	3,336	515	1,102	143	946	70	281	6,941
249	CUNY Queens C.	13,642	570	9,016	232	1,126	2,037	515	0	0	146
250	Miami U.	13,591	967	8,284	281	142	1,104	7	0	761	2,045
251	Worcester Polytechnic Institute	13,582	0	710	3,056	594	0	865	0	7,480	877
252	U. Denver	13,364	0	1,646	461	2,420	4,038	100	0	1,515	3,184
253	AL State U.	13,340	0	0	0	0	0	0	0	13,340	0
254	Southern Methodist U.	13,312	3,795	1,548	1,517	2,028	1,115	80	112	1,947	1,170
255	TX Tech U. Health Sciences Ctr.	12,950	0	12,950	0	0	0	0	0	0	0
256	U. LA Lafayette	12,881	270	7,089	1,534	490	0	315	694	1,668	821
257	U. PR Mayaguez	12,735	4,499	1,582	13	1,499	0	26	0	4,886	230
258	CA State U., Long Beach	12,731	456	2,646	95	808	2,055	0	1,318	4,718	635
259	Rutgers, the State U. NJ-Newark	12,631	601	8,077	797	991	1,252	298	227	0	388
260	Tuskegee U.	12,309	0	7,752	0	216	0	1,833	0	1,185	1,323
261	U. HI Hilo	12,265	1,663	3,225	0	0	191	51	5,361	0	1,774
262	U. MA Dartmouth	12,236	6,693	850	479	956	119	0	7	2,132	1,000
263	U. MD Ctr. for Environmental Science	12,123	12,123	0	0	0	0	0	0	0	0
264	U. Akron	12,107	136	1,371	199	3,050	271	396	0	6,520	164
265	Creighton U.	11,850	80	11,005	40	605	40	80	0	0	0
266	CA Polytechnic State U., San Luis Obispo	11,637	1,185	1,196	841	1,175	12	266	3,625	3,096	241
267	C. Charleston	11,610	5,760	2,334	605	821	101	484	0	0	1,505
268	U. West FL	11,038	0	882	1,385	0	0	43	0	0	8,728
269	Fayetteville State U.	10,844	0	647	265	1,276	0	0	0	0	8,656
270	LA Tech U.	10,806	0	1,098	2,032	1,029	10	0	0	5,546	1,091
271	U.S. Naval Academy	10,750	259	0	865	2,508	0	407	0	6,711	0
272	DE State U.	10,154	639	4,182	2,041	2,023	53	1,029	0	0	187
273	Morgan State U.	10,039	0	1,484	595	802	0	1,400	0	5,754	4
274	Clarkson U.	9,573	0	880	562	1,297	0	0	0	6,669	165
275	FL Gulf Coast U.	9,542	630	862	85	585	0	66	100	333	6,881
276	U. CA, Merced	9,392	1,070	2,066	107	1,593	124	168	0	4,064	200
277	Marquette U.	9,381	0	4,684	584	1,132	128	0	0	2,587	266
278	U. AK Anchorage	9,368	1,708	3,899	0	0	0	831	1,238	809	883
279	Alcorn State U.	9,256	5	6,732	307	0	0	2,082	0	130	0
280	FL Institute of Technology	9,175	993	915	951	3,086	1,726	0	0	1,232	272



TABLE 17. Federally financed higher education R&amp;D expenditures, ranked by all federal R&amp;D expenditures, by R&amp;D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
281	U. Southern ME	9,137	316	1,866	13	97	0	156	0	50	6,639
282	Eastern MI U.	9,088	136	107	0	501	0	781	0	1,850	5,713
283	SUNY C. of Environmental Science and Forestry	8,907	1,906	3,152	0	1,630	0	220	0	1,999	0
284	TX State U.-San Marcos	8,904	2,307	1,463	851	1,154	17	271	452	300	2,089
285	American U.	8,841	0	16	54	676	244	5,273	0	0	2,578
286	Wheeling Jesuit U.	8,768	108	1,792	0	203	0	0	0	0	6,665
287	Prairie View A&M U.	8,623	0	5,237	42	685	0	0	117	2,542	0
288	U. MD Eastern Shore	8,583	2,635	5,468	0	195	0	0	0	285	0
289	Rosalind Franklin U. of Medicine and Science	8,350	0	8,121	0	0	229	0	0	0	0
290	Embry-Riddle Aeronautical U.	8,241	0	0	102	895	69	281	0	6,894	NA
291	TX A&M U.-Corpus Christi	7,869	2,615	4,109	509	93	23	0	83	215	222
292	Morehouse C.	7,857	0	1,226	138	579	411	1,415	3,818	117	153
293	Fisk U.	7,686	0	149	0	7,537	0	0	0	0	0
294	U. AR Little Rock	7,571	664	934	1,851	1,605	0	169	0	1,355	993
295	Ponce School of Medicine	7,569	0	7,569	0	0	0	0	0	0	0
296	TN Technological U.	7,490	0	903	141	180	309	0	0	5,425	532
297	TN State U.	7,414	193	4,683	196	354	24	68	0	1,418	478
298	CA State U., Los Angeles	7,234	41	2,175	98	2,091	279	505	0	1,838	207
299	Clark Atlanta U.	7,229	0	3,539	287	3,144	117	53	0	89	0
300	U. MO-St. Louis	7,151	0	1,441	116	1,997	1,495	837	0	0	1,265
301	Oakland U.	7,130	0	2,543	490	2,832	0	0	0	1,159	106
302	U. Tulsa	7,126	181	347	3,404	1,461	236	25	0	1,165	307
303	Dillard U.	7,096	1,597	920	0	102	0	79	0	13	4,385
304	TX A&M U.-Kingsville	7,088	146	3,078	0	192	0	0	0	1,651	2,021
305	NC Central U.	6,870	91	4,687	291	1,611	0	190	0	0	0
306	Western KY U.	6,866	791	1,215	8	4,584	0	8	0	0	260
307	U. CO Colorado Springs	6,699	51	856	1,299	639	261	0	28	3,319	246
308	Teachers C., Columbia U.	6,533	0	534	58	0	3,772	2,114	0	0	55
309	Universidad Central del Caribe	6,504	0	6,504	0	0	0	0	0	0	0
310	U. MN Duluth	6,441	3,537	974	356	794	0	0	0	766	14
311	Villanova U.	6,390 i	0 i	388 i	374 i	463 i	115 i	92 i	0 i	4,854 i	104 i
312	Tarleton State U.	6,379	0	6,307	72	0	0	0	0	0	0
313	SC State U.	6,334	962	2,244	0	341	0	0	571	2,215	1
314	East TN State U.	6,272	49	5,443	234	299	96	0	0	0	151
315	AR State U. main campus	6,194	54	3,953	91	1,783	245	0	0	43	25

TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
316	Purdue U. Calumet	6,127	0	415	73	240	242	0	0	480	4,677
317	MO State U.	6,071	180	1,820	61	2,562	0	39	0	1,389	20
318	U. NE Omaha	6,014	144	823	2,113	126	73	308	3	538	1,886
319	Lincoln U. (Jefferson City, MO)	5,984	456	2,853	0	748	1,820	107	0	0	0
320	Southern U. Baton Rouge	5,920	2,667	345	28	1,368	0	639	312	561	0
321	Duquesne U.	5,904	0	2,871	156	2,005	0	0	0	0	872
322	Claremont Graduate U.	5,888	0	0	0	0	0	4,888	0	0	1,000
323	CA State U., Sacramento	5,829	11	597	28	860	66	1,053	615	1,802	797
324	Polytechnic U.	5,729	0	1,205	207	484	0	0	0	3,833	0
325	Nova Southeastern U.	5,718	3,387	1,931	0	0	351	0	0	0	49
326	Xavier U. LA	5,669	199	2,167	443	2,786	3	69	0	2	0
327	U. TX Brownsville	5,640	189	2,444	651	2,276	0	0	0	80	0
328	James Madison U.	5,563	2,312	619	1,369	650	120	106	0	387	0
329	Elizabeth City State U.	5,552	128	120	4,273	821	10	0	0	0	200
330	VA State U.	5,552	0	3,290	77	0	477	25	0	1,211	472
331	U. TX Pan American	5,544	214	1,797	404	229	0	529	0	1,797	574
332	Stephen F. Austin State U.	5,530	132	1,143	12	0	0	57	3,360	0	826
333	Gallaudet U.	5,522	35	2,266	2	1	920	53	1,254	53	938
334	IL State U.	5,442	23	2,127	376	843	0	80	0	0	1,993
335	Norfolk State U.	5,413	19	246	1,394	1,631	0	91	0	2,032	0
336	CUNY Brooklyn C.	5,358	48	1,459	819	1,367	927	382	0	0	356
337	MT Tech of the U. MT	5,321	1,310	362	33	411	0	0	0	3,205	0
338	TX Southern U.	5,240	0	3,298	111	59	0	0	0	170	1,602
339	U. WI-Superior	5,197	271	9	0	0	0	956	0	3,961	0
340	Sam Houston State U.	5,066	118	1,179	274	636	0	2,680	0	0	179
341	Bowling Green State U.	4,963	543	406	6	1,981	237	1,647	0	143	0
342	U. GU	4,962	1,312	3,630	0	0	0	20	0	0	0
343	CUNY Graduate Ctr.	4,901	20	393	1,483	0	510	257	0	0	2,238
344	U. TN Chattanooga	4,866	239	338	137	31	0	5	0	4,116	0
345	U. North FL	4,636	0	812	0	1,016	61	315	0	2,312	120
346	Western WA U.	4,594	1,819	471	49	487	98	98	924	191	457
347	Ft. Valley State U.	4,586	0	3,762	667	157	0	0	0	0	0
348	Wesleyan U.	4,496	233	1,845	167	1,397	779	54	0	0	21
349	Kettering U.	4,477	0	0	3	35	0	0	0	4,439	0
350	U. WI-Stevens Point	4,456	2,974	440	1	1,034	0	5	1	0	1
351	Lamar U.	4,377	372	127	554	38	0	0	0	3,093	193
352	Rowan U.	4,301	0	0	500	131	0	0	0	1,106	2,564
353	Southern IL U. Edwardsville	4,192	371	1,748	295	638	0	430	82	576	52

TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
354	Fordham U.	4,132	105	1,372	0	59	1,864	26	0	0	706
355	CA State U., San Marcos	4,106	171	2,831	91	0	0	325	0	130	558
356	Central WA U.	4,038	3,123	137	3	203	0	477	0	95	0
357	Northeastern OH Universities C. of Medicine	4,009	0	3,894	0	0	0	115	0	0	0
358	Ball State U.	3,988	117	1,043	116	199	64	81	0	92	2,276
359	U. AR Pine Bluff	3,947	0	3,565	50	295	0	37	0	0	0
360	DePaul U.	3,896	56	207	753	565	2,275	18	0	0	22
361	Wellesley C.	3,677	40	1,410	45	723	0	85	1,103	0	271
362	KY State U.	3,501	146	3,031	39	143	0	30	0	112	0
363	Santa Clara U.	3,494	0	508	9	809	44	150	5	1,969	0
364	CA State U., Fresno	3,424	119	1,652	0	124	0	0	0	1,194	335
365	CUNY John Jay C. of Criminal Justice	3,418	0	25	236	406	1,628	784	0	0	339
366	U. TX Tyler	3,378	0	790	110	0	6	0	0	783	1,689
367	TX Christian U.	3,373	81	7	25	213	1,835	0	0	0	1,212
368	Langston U.	3,313	0	3,313	0	0	0	0	0	0	0
369	Clark U.	3,243	1,296	405	85	714	726	17	0	0	0
370	Claffin U.	3,226	0	1,661	0	1,565	0	0	0	0	0
371	CA State U., Monterey Bay	3,167	2,391	113	0	0	0	0	0	663	0
372	Shaw U.	3,159 i	236 i	1,286 i	0 i	212 i	0 i	0 i	0 i	0 i	1,425 i
373	Lawrence Technological U.	3,144	0	46	15	0	0	0	0	2,748	335
374	U. of the Pacific	3,135	68	625	11	658	0	0	0	305	1,468
375	Humboldt State U.	3,024	149	2,165	509	31	70	0	41	0	59
376	Palmer C. of Chiropractic	3,009	0	3,009	0	0	0	0	0	0	0
377	Tougaloo C.	2,978	0	2,978	0	0	0	0	0	0	0
378	Baylor U.	2,947	362	301	95	886	772	49	0	377	105
379	U. MI-Dearborn	2,932	0	0	148	0	0	86	0	2,567	131
380	St. Francis U.	2,923	59	2,864	0	0	0	0	0	0	0
381	Smith C.	2,843	33	803	773	492	383	1	0	270	88
382	SUNY C. of Optometry	2,829	0	2,829	0	0	0	0	0	0	0
383	U. New England	2,829	1,057	1,606	0	10	0	156	0	0	0
384	WV State U.	2,759	78	2,463	26	0	0	7	0	185	0
385	Barnard C.	2,754	145	326	206	471	1,435	119	0	0	52
386	CUNY Herbert H. Lehman C.	2,750 i	0 i	1,189 i	364 i	204 i	537 i	146 i	0 i	0 i	310 i
387	Bucknell U.	2,745	137	508	74	497	0	0	0	1,410	119
388	Spelman C.	2,740	0	414	264	1,646	46	370	0	0	0
389	Haverford C.	2,715	0	1,899	65	495	136	103	0	0	17

TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
390	Armstrong Atlantic State U.	2,681	0	670	625	960	0	0	0	17	409
391	Fairfield U.	2,681	0	96	66	205	0	0	0	5	2,309
392	CA State U., Dominguez Hills	2,658	91	711	862	139	245	610	0	0	0
393	Middle TN State U.	2,651	32	786	792	261	0	185	225	147	223
394	Eastern KY U.	2,638	168	570	0	85	0	0	0	1,548	267
395	U. South FL St. Petersburg	2,570	222	0	0	0	64	1	0	0	2,283
396	CA State Polytechnic U., Pomona	2,563	0	1,754	0	96	219	0	104	350	40
397	Central State U.	2,544	127	458	178	127	127	128	0	1,399	0
398	Central MI U.	2,536	556	793	157	503	269	0	0	23	235
399	Hope C.	2,523	0	282	744	1,311	0	0	0	186	0
400	Long Island U.	2,483 i	0 i	2,318 i	0 i	125 i	0 i	0 i	0 i	0 i	40 i
401	Black Hills State U.	2,434	0	1,176	0	179	0	0	0	0	1,079
402	Williams C.	2,330	132	463	327	1,181	130	97	0	0	0
403	Middlebury C.	2,245	648	827	119	522	68	61	0	0	0
404	Hofstra U.	2,206	165	175	182	176	107	26	0	89	1,286
405	Seton Hall U.	2,206	0	2,041	0	0	31	134	0	0	0
406	Monmouth U.	2,190	384	116	1,690	0	0	0	0	0	0
407	U. WI-La Crosse	2,150	0	910	31	805	0	154	0	250	0
408	U. PR Humacao	2,144 i	0 i	340 i	0 i	1,804 i	0 i	0 i	0 i	0 i	0 i
409	U. Richmond	2,138	12	246	398	1,218	176	0	0	0	88
410	West TX A&M U.	2,100	205	1,063	44	0	4	0	0	784	0
411	Calvin C.	2,084	8	916	98	1,005	0	4	0	0	53
412	U. Northern CO	2,082	249	544	338	75	196	204	0	0	476
413	GA Southern U.	2,077	100	646	182	670	0	0	0	284	195
414	Murray State U.	2,074	0	550	139	320	0	0	0	1,065	0
415	Youngstown State U.	2,067	18	0	63	1,621	0	358	7	0	0
416	MN State U. Mankato	2,051	0	502	82	244	0	64	0	1,109	50
417	Harvey Mudd C.	2,049	0	256	748	812	0	0	17	216	0
418	Rutgers, the State U. NJ-Camden	2,001	0	749	229	57	302	37	0	391	236
419	U. DC	1,946	122	1,612	110	56	0	39	0	7	0
420	Northwest Indian C.	1,943	782	1,114	0	0	0	47	0	0	0
421	Montclair State U.	1,876	488	64	313	55	112	81	0	0	763
422	Skidmore C.	1,872	9	750	0	998	115	0	0	0	0
423	Chapman U.	1,871	0	328	23	931	39	108	0	0	442
424	Franklin & Marshall C.	1,857	733	349	57	621	97	0	0	0	0
425	Salisbury U.	1,823	308	0	0	6	0	108	0	0	1,401

TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
426	Bowdoin C.	1,815	353	1,122	104	109	0	40	78	0	9
427	Appalachian State U.	1,813	772	388	62	328	0	112	0	0	151
428	U. Baltimore	1,812	0	0	0	0	0	1,497	21	0	294
429	Towson U.	1,806	0	409	373	556	190	278	0	0	0
430	Carleton C.	1,803	849	67	255	264	20	188	0	0	160
431	IN U.-Purdue U. Ft. Wayne	1,797	0	1,107	0	25	0	35	0	64	566
432	Savannah State U.	1,774	1,080	353	223	0	0	0	0	118	0
433	Loyola Marymount U.	1,731	21	166	92	82	217	0	0	316	837
434	Alfred U.	1,687	40	0	0	36	517	0	0	1,052	42
435	New School, The	1,670	58	0	659	0	525	134	0	0	294
436	U. Central AR	1,658	0	751	138	629	0	0	42	0	98
437	Western OR U.	1,652	72	5	0	0	0	143	0	0	1,432
438	TX A&M International U.	1,623	25	437	0	301	0	244	0	474	142
439	West Chester U. PA	1,612 i	64 i	247 i	70 i	143 i	729 i	349 i	0 i	0 i	10 i
440	Chicago State U.	1,598	0	1,253	0	345	0	0	0	0	0
441	Sul Ross State U.	1,595	23	1,467	0	0	0	105	0	0	0
442	Roger Williams U.	1,574	370	380	0	182	0	0	1	123	518
443	Coastal Carolina U.	1,533	1,334	137	6	56	0	0	0	0	0
444	Morehead State U.	1,528	0	561	2	225	51	452	0	0	237
445	Colgate U.	1,519	140	594	121	493	22	149	0	0	0
446	CA State U., Chico	1,502	0	281	6	220	0	48	0	911	36
447	Northern KY U.	1,476	0	786	73	344	244	29	0	0	0
448	Benedict C.	1,473	156	616	72	97	0	82	0	450	0
449	U. LA Monroe	1,470	41	1,429	0	0	0	0	0	0	0
450	Northwestern Health Sciences U.	1,467	0	1,219	0	0	0	0	0	0	248
451	U. Northern IA	1,460	6	61	53	85	21	169	104	0	961
452	Southern CT State U.	1,459	0	0	0	0	0	0	0	0	1,459
453	Union C. (Schenectady, NY)	1,427	157	161	188	799	2	0	0	120	0
454	CA State U., San Bernardino	1,412	60	396	101	68	685	0	0	0	102
455	SUNY C. of A&T Cobleskill	1,382	0	0	0	0	0	0	0	1,382	0
456	Albany C. of Pharmacy	1,380	0	1,380	0	0	0	0	0	0	0
457	St. Joseph's U.	1,368	0	248	131	0	0	37	544	0	408
458	U. NC Asheville	1,367	844	122	74	176	0	0	151	0	0
459	Mt. Holyoke C.	1,362	420	107	122	511	180	6	0	0	16
460	TX A&M U.-Commerce	1,362	0	14	305	674	85	0	0	0	284
461	Oberlin C.	1,359	66	228	136	892	37	0	0	0	0
462	U. San Diego	1,352	165	697	0	362	0	0	0	108	20
463	Furman U.	1,332	13	89	2	1,025	110	6	0	0	87

TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
464	Agnes Scott C.	1,328	0	428	0	366	526	8	0	0	0
465	U. WI-Eau Claire	1,320	49	377	88	689	0	68	0	0	49
466	Bryn Mawr C.	1,301	15	24	291	380	214	8	0	0	369
467	Western Carolina U.	1,296	644	343	2	74	0	201	0	9	23
468	SUNY C. Buffalo	1,293	100	227	0	163	84	673	0	0	46
469	Universidad Metropolitana	1,282	111	544	204	0	0	0	0	0	423
470	Vassar C.	1,280	42	438	322	254	15	20	145	0	44
471	St. John's U. (Jamaica, NY)	1,274	0	348	0	216	597	0	0	0	113
472	Salus U.	1,261	0	1,261	0	0	0	0	0	0	0
473	St. Cloud State U.	1,260	42	233	92	55	0	9	0	70	759
474	St. Olaf C.	1,247	0	834	113	239	49	0	0	0	12
475	Kennesaw State U.	1,246	0	442	40	330	0	293	0	0	141
476	Lafayette C.	1,223	64	106	271	228	10	215	56	273	0
477	U. AK Southeast	1,222	318	175	21	0	0	73	530	33	72
478	Bastyr U.	1,211	0	1,211	0	0	0	0	0	0	0
479	U. Redlands	1,208	869	30	0	100	0	0	0	0	209
480	Arcadia U.	1,206	0	86	157	1	0	216	0	0	746
481	Washington and Jefferson C.	1,188	0	0	0	155	1,033	0	0	0	0
482	SUNY C. Plattsburgh	1,187	193	836	0	158	0	0	0	0	0
483	Milwaukee School of Engineering	1,177	0	666	0	39	0	0	0	472	0
484	Grinnell C.	1,161	0	353	0	802	0	0	0	0	6
485	Southeastern LA U.	1,161	0	634	73	101	0	134	0	0	219
486	Rose-Hulman Institute of Technology	1,159	0	0	96	1,049	0	0	0	14	0
487	Davidson C.	1,153	0	181	130	135	227	480	0	0	0
488	Universidad del Este	1,139	0	1,126	0	0	0	0	0	0	13
489	Grand Valley State U.	1,134	466	388	39	126	11	0	0	48	56
490	Claremont McKenna C.	1,130	10	316	22	480	210	64	0	0	28
491	Governors State U.	1,124	0	988	46	0	0	0	0	0	90
492	Hobart and William Smith Colleges	1,118	652	41	0	205	66	66	0	0	88
493	Lincoln U. of the Commonwealth of PA	1,114	0	132	0	79	0	0	616	287	0
494	Colby C.	1,105	15	255	112	527	34	72	0	0	90
495	Amherst C.	1,102	0	333	35	361	161	76	0	0	136
496	Mills C.	1,095	0	47	0	0	0	0	0	0	1,048
497	Whitman C.	1,080	106	535	0	387	44	0	0	0	8
498	Hamilton C.	1,077	243	54	65	412	0	38	0	0	265
499	Macalester C.	1,075	472	110	205	228	0	29	0	0	31

TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
500	Mesa State C.	1,064	66	315	12	44	0	139	62	0	426
501	U. Central OK	1,059	0	245	54	0	0	201	0	559	0
502	Plymouth State U.	1,053 i	651 i	189 i	0 i	0 i	0 i	212 i	0 i	0 i	1 i
503	Christopher Newport U.	1,049	0	444	0	591	0	0	0	0	14
504	Pomona C.	1,048	244	119	210	154	248	63	0	0	10
505	Siena C.	1,045	0	207	0	771	0	0	67	0	0
506	John Carroll U.	1,036	0	124	255	0	0	69	0	0	588
507	Trinity C. (Hartford, CT)	1,026	0	497	226	255	48	0	0	0	0
508	Trinity U.	1,023	67	43	123	644	85	2	0	0	59
509	CUNY Baruch C.	1,010	125	111	4	108	263	399	0	0	0
510	Pittsburg State U.	999	1	120	0	94	0	0	0	784	0
511	Touro U.-CA	999	0	999	0	0	0	0	0	0	0
512	Grambling State U.	993	0	0	0	993	0	0	0	0	0
513	MS Valley State U.	993	51	27	188	15	0	0	0	600	112
514	IN State U.	990	235	410	0	93	112	0	0	140	0
515	U. of the Sciences Philadelphia	984	0	626	0	298	0	41	0	0	19
516	Bates C.	971	118	437	0	300	0	36	0	80	0
517	NM Highlands U.	970	98	72	0	793	0	0	0	0	7
518	Philadelphia U.	968	0	0	0	0	0	0	968	0	0
519	PA State U. Harrisburg	963	0	0	348	0	49	278	0	288	0
520	CT C.	954	0	273	57	620	4	0	0	0	0
521	CUNY C. Staten Island	952	0	111	300	394	0	0	0	144	3
522	Nicholls State U.	946	852	66	0	28	0	0	0	0	0
523	Pepperdine U.	933	0	187	12	0	0	0	0	0	734
524	Haskell Indian Nations U.	922	81	0	0	841	0	0	0	0	0
525	Swarthmore C.	913	0	180	82	392	84	100	15	48	12
526	U. Houston-Downtown	908	18	192	230	431	24	0	0	10	3
527	C. of the Holy Cross	904	0	144	150	418	186	0	0	0	6
528	Barry U.	897	0	869	28	0	0	0	0	0	0
529	Augustana C. (Sioux Falls, SD)	889	0	487	104	298	0	0	0	0	0
530	PA State U. Erie, The Behrend C.	887	727	0	0	0	0	10	0	150	0
531	Evergreen State C.	886	448	256	114	68	0	0	0	0	0
532	Western U. of Health Sciences	885	0	885	0	0	0	0	0	0	0
533	Western States Chiropractic C.	866	0	866	0	0	0	0	0	0	0
534	Providence C.	857	0	762	0	12	83	0	0	0	0
535	Mercyhurst C.	854	0	0	0	0	0	258	445	0	151

TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
536	LA State U. Shreveport	849	0	369	319	161	0	0	0	0	0
537	Pacific U.	845	0	11	554	0	0	0	0	0	280
538	Lewis & Clark C.	843	7	583	75	105	48	0	0	0	25
539	U. of St. Thomas (St. Paul, MN)	842	229	269	139	19	0	0	0	0	186
540	U. WI-Oshkosh	832	73	501	42	103	0	50	0	0	63
541	TX Woman's U.	822	0	755	0	44	0	23	0	0	0
542	U. Hartford	820	0	0	179	74	0	7	0	560	0
543	OK State U. Ctr. for Health Sciences	817	0	770	0	0	0	0	47	0	0
544	Philadelphia C. of Osteopathic Medicine	812	0	776	0	0	36	0	0	0	0
545	Reed C.	796	0	424	171	49	44	0	108	0	0
546	Minot State U.	795	0	728	0	0	67	0	0	0	0
547	PA State U. Beaver	786	0	0	1	0	0	0	0	0	785
548	U. WI-Green Bay	778	709	0	0	0	0	15	0	0	54
549	St. Bonaventure U.	767	0	20	0	108	0	0	0	0	639
550	U. West GA	761	284	15	100	91	34	0	0	0	237
551	SUNY C. Geneseo	755	95	114	95	343	32	0	0	0	76
552	National U. of Health Sciences	754	0	545	0	0	0	0	0	0	209
553	Wilberforce U.	737	0	224	513	0	0	0	0	0	0
554	New England C. of Optometry	726	0	726	0	0	0	0	0	0	0
555	U. PR Cayey	710	0	0	0	192	104	29	273	3	109
556	Lawrence U.	703	0	41	0	581	0	81	0	0	0
557	SUNY Institute of Technology at Utica-Rome	695	0	0	603	0	0	0	0	92	0
558	Universidad del Turabo	691	127	85	0	0	0	0	0	0	479
559	Sonoma State U.	690	0	407	0	33	58	192	0	0	0
560	U. TX of the Permian Basin	677	248	57	0	322	0	0	0	0	50
561	U.S. Coast Guard Academy	672	1	0	0	28	0	0	0	599	44
562	Willamette U.	666	0	77	71	170	0	123	0	0	225
563	Occidental C.	665	46	328	5	263	0	2	0	0	21
564	Indiana U. PA	660	70	146	0	96	0	177	0	0	171
565	Western IL U.	658	26	276	89	235	0	32	0	0	0
566	Mt. St. Mary's C. (Los Angeles, CA)	647	0	647	0	0	0	0	0	0	0
567	Washington and Lee U.	646	80	21	0	394	38	113	0	0	0
568	SUNY C. Oswego	644	172	38	2	45	387	0	0	0	0
569	CA State U., East Bay	643	219	97	208	119	0	0	0	0	0



TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
570	Purdue U. North Central	639	0	0	0	11	0	18	0	0	610
571	Southern OR U.	639	264	246	3	2	0	124	0	0	0
572	CA State U., Bakersfield	637	99	438	0	100	0	0	0	0	0
573	Northwestern State U.	635	0	0	0	44	0	591	0	0	0
574	SUNY C. Old Westbury	634 i	0 i	462 i	3 i	80 i	0 i	89 i	0 i	0 i	0 i
575	U. Detroit Mercy	633	0	47	277	163	0	0	0	142	4
576	Pace U.	627	0	435	140	52	0	0	0	0	0
577	Ithaca C.	617	0	331	73	199	0	14	0	0	0
578	Le Moyne-Owen C.	610	0	0	572	0	0	0	0	0	38
579	Gonzaga U.	609	0	83	178	341	0	0	0	7	0
580	Truman State U.	605	0	349	206	50	0	0	0	0	0
581	Dickinson C.	602	136	106	0	141	62	0	0	0	157
582	U. WA Tacoma	573	0	0	0	0	0	0	0	47	526
583	Kansas City U. of Medicine and Biosciences	556	0	556	0	0	0	0	0	0	0
584	Loyola C.	555	0	20	383	1	0	17	0	15	119
585	West Liberty State C.	550	0	0	0	0	0	0	0	550	0
586	Abilene Christian U.	537	0	0	0	537	0	0	0	0	0
587	Sinte Gleska U.	537	0	62	368	52	0	0	0	0	55
588	Hampshire C.	533	191	4	0	338	0	0	0	0	0
589	Gettysburg C.	524	0	143	0	235	0	146	0	0	0
590	SUNY C. Brockport	521	171	242	14	93	0	1	0	0	0
591	Rhodes C.	519	0	168	0	194	157	0	0	0	0
592	New C. FL	514	0	44	0	470	0	0	0	0	0
593	Bradley U.	512	0	126	0	0	0	0	0	386	0
594	Valparaiso U.	505	81	26	88	217	0	0	0	93	0
595	St. Michael's C.	487	0	171	74	114	102	0	0	26	0
596	Salish Kootenai C.	475	0	199	46	3	0	0	0	134	93
597	CO C.	473	122	50	15	150	20	55	0	0	61
598	Denison U.	469 i	50 i	121 i	12 i	242 i	0 i	0 i	0 i	0 i	44 i
599	Hendrix C.	466	54	321	0	0	0	0	0	91	0
600	C. NJ, The	461	0	0	120	248	0	79	0	0	14
601	Drake U.	456	0	136	0	225	0	0	0	0	95
602	Northeastern State U.	451	0	336	0	115	0	0	0	0	0
603	VA Military Institute	451	0	0	13	82	0	19	0	337	0
604	Eastern IL U.	450	58	262	24	91	0	15	0	0	0
605	Northeastern IL U.	448	0	26	50	13	191	8	0	0	160

TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
606	U. WA Bothell	446	0	0	0	0	0	0	0	435	11
607	U. IL Springfield	436	0	34	10	8	0	280	0	0	104
608	McNeese State U.	433	203	1	6	19	0	172	0	32	0
609	Millsaps C.	433	8	119	5	0	0	301	0	0	0
610	Southern Polytechnic State U.	428	0	0	15	0	0	0	0	156	257
611	U. San Francisco	428	198	69	6	0	0	41	0	21	93
612	Daemen C.	426	0	426	0	0	0	0	0	0	0
613	Mercy C.	426	0	228	0	0	78	85	35	0	0
614	Kenyon C.	413	0	413	0	0	0	0	0	0	0
615	Ursinus C.	413	0	110	158	92	53	0	0	0	0
616	U. WI-Whitewater	411	74	118	0	30	0	37	0	0	152
617	Rider U.	407	24	271	44	8	60	0	0	0	0
618	Albany State U.	396	0	40	0	276	0	77	0	3	0
619	Elizabethtown C.	394	0	61	0	66	29	0	0	38	200
620	CUNY Medgar Evers C.	392	119	104	0	141	0	0	0	0	28
621	SUNY C. Potsdam	386	22	0	0	364	0	0	0	0	0
622	Frostburg State U.	372	0	372	0	0	0	0	0	0	0
623	Southern U. New Orleans	369	0	0	0	0	0	0	0	0	369
624	Central CT State U.	366	0	142	45	0	143	21	0	0	15
625	CO State U. Pueblo	364	0	218	28	76	0	0	0	42	0
626	Wiley C.	362	0	0	229	0	0	49	0	0	84
627	IL Wesleyan U.	360	0	10	0	124	0	118	0	0	108
628	Weber State U.	355	59	59	8	79	15	1	0	117	17
629	Wilkes U.	345	0	49	0	265	0	0	0	31	0
630	Ft. Lewis C.	340	68	225	0	32	0	0	0	0	15
631	U. SC Beaufort	338	3 i	21 i	5 i	38 i	0 i	2 i	1 i	235 i	33 i
632	U. Portland	335	10	169	56	0	0	0	0	20	80
633	Southwestern OK State U.	333	0	124	0	209	0	0	0	0	0
634	MT State U. Billings	327	0	270	0	0	0	23	0	0	34
635	U. South FL Polytechnic	323	0	0	0	0	0	0	0	0	323
636	Coe C.	322	0	0	0	322	0	0	0	0	0
637	Goucher C.	322	0	151	0	171	0	0	0	0	0
638	St. Joseph's C. (Standish, ME)	316	136	168	0	12	0	0	0	0	0
639	Midwestern U. (Downers Grove, IL)	315	0	285	0	0	0	0	0	0	30
640	Millersville U. PA	307	62	128	115	0	0	0	0	0	2
641	Muhlenberg C.	302	0	261	0	41	0	0	0	0	0
642	Concordia C.	301	0	0	0	255	0	0	0	0	46
643	U. Houston-Clear Lake	301	256	3	42	0	0	0	0	0	0

TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
644	Radford U.	292	0	50	38	0	35	3	10	0	156
645	Adelphi U.	290	0	36	71	76	36	0	0	0	71
646	U. NE Kearney	289	0	91	0	198	0	0	0	0	0
647	Northern MI U.	287	50	162	0	0	75	0	0	0	0
648	AK Pacific U.	283	273	10	0	0	0	0	0	0	0
649	IN U. South Bend	282	0	24	27	231	0	0	0	0	0
650	Andrews U.	280	0	5	62	14	0	199	0	0	0
651	Bridgewater State C.	279	89	39	0	53	0	98	0	0	0
652	Eckerd C.	275	246	7	8	14	0	0	0	0	0
653	LeTourneau U.	273	0	0	0	0	0	0	0	273	0
654	Vanguard U. Southern CA	269 i	0 i	242 i	0 i	0 i	0 i	0 i	0 i	0 i	27 i
655	PA State U. Altoona	267	29	0	61	0	0	0	0	175	2
656	Seattle U.	263 i	0 i	68 i	0 i	148 i	0 i	0 i	0 i	45 i	2 i
657	Loyola U. New Orleans	260	0	159	0	101	0	0	0	0	0
658	Cheyney U. PA	255	0	255	0	0	0	0	0	0	0
659	Kalamazoo C.	254	0	215	0	36	0	0	0	0	3
660	U. MT Western, The	253	33	220	0	0	0	0	0	0	0
661	AR Tech U.	250 i	130 i	76 i	0 i	0 i	0 i	0 i	0 i	10 i	34 i
662	NY Institute of Technology	250	0	67	0	0	0	0	0	183	0
663	C. Wooster	249	29	0	41	167	12	0	0	0	0
664	La Salle U.	246	0	0	0	0	0	0	246	0	0
665	U. MN Morris	245	149	0	0	94	0	0	0	0	2
666	Angelo State U.	236	0	127	0	59	0	50	0	0	0
667	St. Mary's C. MD	233	0	0	29	166	38	0	0	0	0
668	Farmingdale State C.	228	0	202	0	0	0	0	0	26	0
669	U. MI-Flint	227	0	0	0	29	0	0	0	3	195
670	Mayville State U.	212	0	212	0	0	0	0	0	0	0
671	Fairleigh Dickinson U.	210	0	149	0	0	0	61	0	0	0
672	U. NC Pembroke	210	0	206	0	4	0	0	0	0	0
673	Wabash C.	208	0	13	89	92	14	0	0	0	0
674	OH Wesleyan U.	203	0	25	0	178	0	0	0	0	0
675	Dowling C.	200	0	123	77	0	0	0	0	0	0
676	Allegheny C.	197	17	7	0	173	0	0	0	0	0
677	Cooper Union, The	194	0	0	0	0	0	0	0	194	0
678	DePauw U.	192	0	28	76	88	0	0	0	0	0
679	Jarvis Christian C.	184	0	90	34	60	0	0	0	0	0
680	SUNY New Paltz	182	0	0	155	13	0	10	0	0	4

TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
681	Simmons C.	181	0	62	16	35	0	42	0	0	26
682	OH Northern U.	180	0	163	0	9	0	0	0	8	0
683	North GA C. & State U.	176	0	0	0	176	0	0	0	0	0
684	Auburn U. Montgomery	174	0	0	64	0	0	0	0	0	110
685	Fitchburg State C.	174	0	174	0	0	0	0	0	0	0
686	Southeastern OK State U.	171	0	0	0	171	0	0	0	0	0
687	Pacific Lutheran U.	169	13	21	0	95	40	0	0	0	0
688	Manhattan C.	166	0	0	0	0	0	0	0	166	0
689	U. Puget Sound	166	0	71	0	1	0	14	0	0	80
690	Niagara U.	162	0	67	0	0	61	34	0	0	0
691	Augustana C. (Rock Island, IL)	160	52	44	0	64	0	0	0	0	0
692	PA State U. Berks	155	0	32	0	123	0	0	0	0	0
693	Canisius C.	154	0	6	125	23	0	0	0	0	0
694	Lake Forest C.	154	0	108	0	0	40	0	0	0	6
695	SUNY C. Cortland	153	8	82	0	0	63	0	0	0	0
696	Juniata C.	150	0	107	0	43	0	0	0	0	0
697	U. WI-Stout	148	7	87	14	4	0	0	0	36	0
698	Winona State U.	141	0	141	0	0	0	0	0	0	0
699	U. WI-River Falls	134	0	9	0	125	0	0	0	0	0
700	Jacksonville State U.	133	133	0	0	0	0	0	0	0	0
701	NJ City U.	132	0	0	0	132	0	0	0	0	0
702	U. WI-Parkside	127	4	0	65	58	0	0	0	0	0
703	U. SC Aiken	122	15 i	47 i	5 i	12 i	8 i	5 i	3 i	10 i	17 i
704	U. CA Office of the President	121	0	121	0	0	0	0	0	0	0
705	A. T. Still U. of Health Sciences	116	0	116	0	0	0	0	0	0	0
706	Eastern OR U.	116	0	15	0	101	0	0	0	0	0
707	Seattle Pacific U.	114	57	0	0	57	0	0	0	0	0
708	SUNY C. Oneonta	112	0	62	0	50	0	0	0	0	0
709	SUNY Fredonia	111	0	0	0	70	0	0	0	0	41
710	Roanoke C.	107 i	0 i	32 i	0 i	75 i	0 i	0 i	0 i	0 i	0 i
711	U. South FL Sarasota-Manatee	106	0	0	0	0	0	0	0	0	106
712	William Paterson U. NJ	105	0	89	16	0	0	0	0	0	0
713	Luther C.	102	1	31	0	69	1	0	0	0	0
714	Gustavus Adolphus C.	97	4	0	0	93	0	0	0	0	0
715	CUNY New York City C. of Technology	81	0	0	12	47	0	0	0	0	22
716	Saginaw Valley State U.	77	2	0	0	0	0	0	0	75	0
717	U. VA's C. Wise, The	76	0	0	0	0	0	0	76	0	0

TABLE 17. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
718	Des Moines U.	62	0	62	0	0	0	0	0	0	0
719	Sarah Lawrence C.	60	60	0	0	0	0	0	0	0	0
720	Eastern WA U.	46	21	8	0	0	0	17	0	0	0
721	U. WI-Platteville	46	0	0	0	0	0	0	3	43	0
722	Benedictine U.	42	0	8	0	16	0	0	0	0	18
723	MA C. of Pharmacy and Health Sciences	38	0	0	0	35	0	3	0	0	0
724	Pitzer C.	36	0	0	36	0	0	0	0	0	0
725	WV School of Osteopathic Medicine	22	0	22	0	0	0	0	0	0	0
726	St. Mary's U. (San Antonio, TX)	20	0	0	0	0	0	0	0	20	0
727	U. Scranton	19	19	0	0	0	0	0	0	0	0
728	U. SC Upstate	15	0 i	12 i	0 i	0 i	0 i	0 i	0 i	0 i	3 i
729	IN U. Southeast	12	0	0	0	12	0	0	0	0	0
730	SUNY C. of A&T Morrisville	11	0	0	0	0	0	0	0	11	0
731	Midwestern State U.	10	0	10	0	0	0	0	0	0	0
732	Jacksonville U.	9	0	0	0	9	0	0	0	0	0
733	Marist C.	8	0 i	0 i	7 i	0 i	0 i	0 i	0 i	0 i	1 i
734	U. MN Rochester	3	0	0	0	0	0	0	0	0	3

i = imputed. NA = not available; data were not provided by institution.

nec = not elsewhere classified; S&E = science and engineering.

<sup>a</sup> The Johns Hopkins University includes Applied Physics Laboratory, with \$1,019,375 in federally financed R&D expenditures in FY 2010.

NOTES: Institutions reporting zero federal expenditures for FY 2010 are not listed in this table. Tied institutions are ranked alphabetically. Institutions ranked are geographically separate campuses headed by a campus-level president or chancellor. Some campuses are part of large multicampus universities; some are part of state university systems. For complete listing of campuses that belong to a larger university or system and their aggregate R&D expenditures, see table C-2.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE 18. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by federal agency: FY 2010

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
	All institutions	37,487,673	4,486,332	1,551,514	21,094,289	1,476,128	4,733,881	953,938	3,191,591
1	Johns Hopkins U., The <sup>b</sup>	1,737,261	555,738	6,131	638,243	221,069	26,602	1,430	288,048
2	U. WA Seattle	829,885	58,555	26,317	551,550	35,792	120,822	5,436	31,413
3	U. MI-Ann Arbor	747,778	63,699	27,111	530,772	16,364	66,912	1,199	41,721
4	U. PA	642,180	39,913	9,762	539,667	2,237	35,341	1,106	14,154
5	U. Pittsburgh main campus	594,675	27,175	8,249	516,448	380	24,499	228	17,696
6	Stanford U.	593,016	58,745	20,452	395,320	25,129	82,803	250	10,317
7	U. CA, San Diego	580,279	65,714	14,430	379,972	7,038	88,130	384	24,611
8	Columbia U. in the City of New York	572,213	23,147	14,156	409,545	18,945	85,336	172	20,912
9	U. NC Chapel Hill	545,993	15,293	7,452	437,460	835	30,795	395	53,763
10	U. WI-Madison	545,189	21,146	67,598	291,150	14,426	95,017	12,408	43,444
11	U. CA, Los Angeles	538,521	40,030	20,900	382,335	14,022	58,381	117	22,736
12	U. CA, San Francisco	514,693	4,283	555	500,350	933	2,151	120	6,301
13	Duke U.	514,084	26,315	10,753	430,725	859	34,730	399	10,303
14	Yale U.	475,794	14,416	11,765	414,417	833	28,694	943	4,726
15	Harvard U.	474,899	24,008	8,956	380,206	9,464	40,312	107	11,846
16	Washington U. St. Louis	468,642	4,879	5,922	431,020	6,884	18,192	105	1,640
17	PA State U. University Park and Hershey Medical Ctr.	464,750	189,076	20,519	121,455	19,546	58,126	20,662	35,366
18	MA Institute of Technology	457,575	110,634	73,527	147,260	31,037	80,976	0	14,141
19	Cornell U.	448,085	24,576	14,231	223,408	13,176	128,898	29,621	14,175
20	U. MN Twin Cities	426,359	11,063	11,888	284,315	12,835	62,005	13,556	30,697
21	U. Southern CA	408,564	82,945	11,481	252,623	2,660	42,983	318	15,554
22	OH State U.	399,942	34,101	15,893	221,531	6,720	49,739	24,468	47,490
23	Vanderbilt U.	397,656	20,867	9,591	328,349	2,741	17,449	21	18,638
24	Northwestern U.	379,648	27,841	17,488	259,623	1,528	42,748	81	30,339
25	GA Institute of Technology	372,122	228,650	15,958	29,554	16,919	55,043	644	25,354
26	U. Chicago	352,728	10,797	9,323	262,620	5,638	60,299	377	3,674
27	U. TX Austin	350,308	122,875	37,475	71,656	13,969	72,722	852	30,759
28	Emory U.	336,986	5,395	1,363	307,801	1,045	5,850	284	15,248
29	Case Western Reserve U.	333,689	9,275	2,631	302,577	3,128	14,843	27	1,208
30	U. CA, Davis	332,325	11,894	14,827	197,891	3,290	47,702	27,971	28,750
31	CA Institute of Technology	328,522	32,475	22,197	57,355	101,319	110,467	1	4,708
32	U. AL Birmingham, The	325,103	11,528	1,707	292,320	4,565	7,808	141	7,034
33	U. Rochester	322,048	12,464	61,948	228,361	1,138	13,484	150	4,503
34	Scripps Research Institute, The	313,746	2,732	1,292	281,951	1,022	1,446	0	25,303
35	U. CA, Berkeley	312,789	29,566	9,580	117,194	22,916	102,689	5,089	25,755
36	U. AZ	308,157	15,845	9,423	113,216	81,794	58,098	11,814	17,967
37	U. IL Urbana-Champaign	303,852	41,904	41,968	71,923	5,736	103,222	18,917	20,182

TABLE 18. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by federal agency: FY 2010

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
38	Mt. Sinai School of Medicine	302,770	3,489	9	295,444	1,019	511	0	2,298
39	Boston U.	302,411	16,876	5,255	220,534	18,974	31,179	113	9,480
40	U. MD College Park	297,896	84,063	10,930	37,093	48,149	47,765	13,796	56,100
41	U. CO Boulder	292,030	17,977	13,286	56,005	97,372	57,863	1,088	48,439
42	TX A&M U.	288,173	37,940	25,886	36,400	5,809	104,633	23,959	53,546
43	U. CO Denver and Health Sciences Ctr.	285,126	3,119	946	254,226	263	5,838	2,754	17,980
44	Baylor C. of Medicine	284,072	9,125	0	234,261	23,221	1,883	14,962	620
45	U. IA	282,465	10,679	3,113	224,786	17,233	10,751	357	15,546
46	U. FL	279,649	22,467	12,838	150,411	5,177	35,508	21,121	32,127
47	U. Cincinnati	262,513	14,449	2,114	229,706	632	8,864	261	6,487
48	NY U.	260,463	6,504	3,590	217,423	1,633	24,623	0	6,690
49	OR Health & Science U.	247,054	5,276	1,410	228,415	619	6,733	116	4,485
50	U. South FL	243,017	19,144	1,402	154,456	1,257	11,029	394	55,335
51	Purdue U. main campus	232,564	32,611	24,858	55,254	5,884	70,734	19,206	24,017
52	U. IL Chicago	232,380	15,449	3,324	178,439	835	20,425	810	13,098
53	U. TX Southwestern Medical Ctr. Dallas	232,027	3,848	811	209,796	4,252	533	165	12,622
54	U. VA main campus	228,917	18,763	6,480	164,436	5,402	21,980	0	11,856
55	U. UT	227,021	10,309	19,090	166,121	1,981	23,768	428	5,324
56	Rutgers, the State U. NJ-New Brunswick	224,894	24,325	7,656	95,325	2,024	46,064	13,222	36,278
57	MI State U.	214,134	11,293	37,248	47,288	2,547	63,927	29,225	22,606
58	CO State U.	211,297	22,312	7,536	50,635	11,730	33,120	53,507	32,457
59	U. MD Baltimore	208,246	12,258	291	192,654	446	854	459	1,284
60	U. TX M. D. Anderson Cancer Ctr.	206,664	15,606	0	190,980	0	77	1	0
61	U. Miami	197,824	18,024	522	133,991	3,999	17,648	320	23,320
62	U. HI Manoa	196,275	58,595	6,137	50,780	12,544	31,846	6,100	30,273
63	U. CA, Irvine	194,559	10,899	7,432	129,019	7,115	31,444	286	8,364
64	Carnegie Mellon U.	179,386	56,270	12,254	31,525	6,500	58,756	3,142	10,939
65	U. MA Worcester	178,293	1,470	0	174,893	528	641	0	761
66	AZ State U.	172,202	31,957	11,228	53,243	15,998	48,967	1,218	9,591
67	U. KY	171,528	6,985	6,335	116,965	1,310	14,217	11,475	14,241
68	SUNY Buffalo	167,099	24,614	1,369	103,638	3,010	17,245	65	17,158
69	Yeshiva U.	163,399	724	241	161,706	0	383	345	0
70	VA Polytechnic Institute and State U.	162,566	29,019	13,760	31,987	3,185	35,690	15,677	33,248
71	U. TN Knoxville	162,151	18,712	30,184	60,846	2,395	29,525	5,742	14,747
72	Wake Forest U.	159,084	5,154	749	150,365	94	1,943	198	581
73	Woods Hole Oceanographic Institution	153,066	25,733	244	2,417	3,756	97,584	42	23,290
74	U. TX Health Science Ctr. Houston	150,324	16,529	107	128,755	828	404	17	3,684
75	Princeton U.	150,261	30,272	12,422	48,898	6,827	43,683	219	7,940

TABLE 18. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by federal agency: FY 2010

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
76	IN U.-Purdue U. Indianapolis	148,672	8,615	133	136,326	499	2,201	203	695
77	U. NM	148,216	21,849	11,109	84,951	2,255	23,995	302	3,755
78	U. KS	147,598	3,852	2,864	104,100	4,106	18,115	606	13,955
79	VA Commonwealth U.	144,138	6,168	811	109,481	220	6,386	1,171	19,901
80	NC State U.	139,096	13,186	8,483	18,476	2,401	33,653	16,683	46,214
81	OR State U.	135,886	16,603	11,590	21,906	4,878	33,853	23,665	23,391
82	FL State U.	134,794	18,575	5,231	23,668	1,490	45,205	2,378	38,247
83	U. CT	132,169	9,773	3,434	79,400	1,585	18,259	6,021	13,697
84	Wayne State U.	132,166	7,876	5,531	104,017	343	8,586	196	5,617
85	Medical U. SC	131,650	2,281	2,711	120,035	0	386	88	6,149
86	U. CA, Santa Barbara	129,457	42,255	10,818	17,556	3,978	48,422	546	5,882
87	U. TX Medical Branch	128,840	3,000	576	119,669	2,756	227	110	2,502
88	Brown U.	127,087	9,599	5,463	76,870	5,910	23,264	0	5,981
89	U. SC Columbia	125,501	21,128	15,059	48,688	411	33,919	1,326	4,970
90	SUNY Albany	124,324	3,682	1,047	101,113	543	6,071	78	11,790
91	U. of Medicine & Dentistry NJ	123,399	4,468	1,140	116,264	231	1,296	0	0
92	George Washington U.	122,357	7,105	1,554	84,115	1,530	6,249	0	21,804
93	Medical C. WI	121,750	766	0	117,156	0	515	78	3,235
94	U. TX Health Science Ctr. San Antonio	121,723	10,960	39	107,940	0	277	0	2,507
95	Georgetown U.	120,589	24,197	940	80,543	469	3,907	840	9,693
96	SUNY Stony Brook	120,146	8,852	9,412	68,408	4,077	23,927	349	5,121
97	U. GA	118,862	3,334	13,646	51,895	1,190	20,237	20,349	8,211
98	Dartmouth C.	118,271	6,264	443	90,138	2,771	10,708	268	7,679
99	U. MO-Columbia	116,965	14,002	5,926	52,624	916	18,114	17,160	8,223
100	Tufts U.	116,699	5,968	1,898	82,100	376	6,448	16,905	3,004
101	WA State U.	113,452	8,576	9,682	20,376	807	16,119	25,409	32,483
102	IA State U.	109,461	11,500	7,943	21,414	2,288	28,920	18,988	18,408
103	Tulane U.	106,872	8,596	3,033	76,761	470	4,813	670	12,529
104	MS State U.	106,324	24,791	18,493	3,025	4,139	7,362	24,168	24,346
105	U. DE	105,454	22,283	9,470	28,987	2,643	25,349	5,809	10,913
106	U. OK	105,366	5,575	4,058	61,071	2,329	14,035	186	18,112
107	U. AK Fairbanks	99,657	9,291	2,661	8,942	15,864	26,140	6,344	30,415
108	U. VT	98,635	1,650	4,023	72,705	1,800	5,825	8,109	4,523
109	NM State U.	98,399	31,818	7,023	8,945	28,464	10,045	8,987	3,117
110	LA State U. and A&M C.	97,407	7,464	5,341	38,090	2,830	17,346	9,261	17,075
111	U. NE-Lincoln	96,069	10,305	3,903	25,272	1,360	25,137	11,187	18,905
112	Naval Postgraduate School	93,605	84,153	988	0	627	3,165	0	4,672
113	U. Louisville	93,260	8,500	3,267	64,960	1,489	3,526	57	11,461
114	MT State U. Bozeman	93,100	10,561	12,062	29,071	6,586	14,991	7,696	12,133



TABLE 18. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by federal agency: FY 2010

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
115	UT State U.	90,581	40,698	3,274	7,477	7,425	6,428	13,064	12,215
116	U. MA Amherst	89,413	8,285	9,700	18,872	2,155	41,152	5,655	3,594
117	Rockefeller U.	88,705	7,921	667	79,519	43	555	0	0
118	U. NH	84,553	1,813	1,768	8,315	27,754	13,294	4,614	26,995
119	U. CA, Santa Cruz	84,518	5,877	3,530	20,823	28,852	19,348	1,027	5,061
120	U. NE Medical Ctr.	80,784	6,580	678	71,334	19	1,119	80	974
121	Temple U.	79,939	3,468	1,178	61,113	216	9,619	649	3,696
122	WV U.	79,415	2,171	15,590	28,948	1,601	6,645	8,955	15,505
123	Thomas Jefferson U.	77,817	1,786	0	73,785	672	360	45	1,169
124	Drexel U.	77,438	15,674	1,562	37,603	1,249	15,055	1,875	4,420
125	U. OR	76,378	11,306	4,633	30,435	237	17,715	183	11,869
126	U. Dayton	73,540	69,714	503	658	406	633	61	1,565
127	U. AL Huntsville, The	73,075	42,586	1,088	781	20,071	3,209	326	5,014
128	U. AR for Medical Sciences	72,217	1,021	0	68,598	0	243	0	2,355
129	Uniformed Services U. of the Health Sciences	72,125	57,818	0	14,263	0	0	0	44
130	U. MS and U. MS Medical Ctr.	71,475	12,569	5,084	35,011	1,963	3,153	5,482	8,213
131	IN U. Bloomington	71,208	5,688	4,171	30,511	853	26,342	327	3,316
132	Rice U.	69,395	18,389	6,527	15,979	3,611	23,853	141	895
133	U. Central FL	69,331	27,158	8,988	11,117	2,918	10,660	599	7,891
134	KS State U.	68,560	15,461	5,534	11,760	151	12,424	17,740	5,490
135	U. CA, Riverside	63,127	7,698	5,122	16,526	1,155	20,274	4,298	8,054
136	George Mason U.	63,011	22,481	2,194	7,138	8,665	6,480	379	15,674
137	U. RI	62,981	5,258	1,866	15,066	563	16,352	6,581	17,295
138	Clemson U.	62,934	6,786	12,808	7,607	632	11,458	3,554	20,089
139	FL International U.	62,580	3,399	5,043	17,931	900	8,744	131	26,432
140	U. of Notre Dame	62,152	11,835	10,729	16,788	1,218	17,710	74	3,798
141	U. MD Baltimore County	59,448	8,084	222	11,284	32,870	3,120	318	3,550
142	Northeastern U.	59,074	4,910	1,611	22,666	308	20,326	0	9,253
143	U. NV, Reno	58,115	3,391	11,869	19,897	1,104	8,785	3,860	9,209
144	OK State U. main campus	56,998	24,414	2,380	5,754	683	6,944	9,125	7,698
145	San Diego State U.	56,504	7,572	640	37,886	514	7,853	110	1,929
146	Rensselaer Polytechnic Institute	54,847	13,308	6,911	11,098	944	18,537	0	4,049
147	Auburn U. main campus	53,971	8,666	4,985	8,823	1,623	8,181	9,735	11,958
148	U. Houston	52,920	3,587	4,080	25,737	2,507	11,792	10	5,207
149	U. ND	52,504	8,735	20,659	9,014	6,433	3,072	3,070	1,521
150	ND State U.	51,883	14,533	6,841	3,136	2,547	5,995	11,404	7,427
151	Medical C. GA	51,727	789	238	50,581	0	119	0	0
152	Rush U.	51,304	1,245	74	49,879	0	106	0	0

TABLE 18. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by federal agency: FY 2010

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
153	U. ME	50,163	6,861	3,541	4,590	2,052	11,762	9,874	11,483
154	NJ Institute of Technology	50,051	10,988	673	1,992	4,334	9,496	208	22,360
155	U.S. Air Force Academy	49,711	48,644	19	0	414	600	0	34
156	U. ID	46,303	5,514	4,396	9,913	2,601	6,367	10,158	7,354
157	LA State U. Health Sciences Ctr. New Orleans	46,142	1,146	18	42,048	0	183	8	2,739
158	FL A&M U.	45,856	3,620	705	6,944	236	4,871	8,578	20,902
159	U. WY	45,323	3,025	3,666	9,167	1,696	11,708	2,719	13,342
160	Brandeis U.	43,669	2,238	890	32,872	129	4,997	57	2,486
161	NM Institute of Mining and Technology	42,243	16,384	5,582	221	442	2,545	0	17,069
162	U. MT-Missoula, The	40,760	2,714	432	15,593	2,034	7,748	6,182	6,057
163	Jackson State U.	39,457	4,913	3,374	11,586	178	6,254	205	12,947
164	U. Toledo	38,389	4,501	1,686	17,483	4,183	4,239	3,235	3,062
165	SD State U.	38,368	6,124	4,233	5,111	3,017	5,269	8,907	5,707
166	U. Southern MS	37,054	8,515	1,396	3,709	1,862	4,615	1,823	15,134
167	Portland State U.	36,996	5,791	712	12,624	762	6,523	366	10,218
168	TX Tech U.	35,970	9,950	3,940	2,540	630	8,070	5,620	5,220
169	Old Dominion U.	34,687	9,616	2,120	2,938	3,634	6,798	64	9,517
170	U. TX El Paso	34,617	5,335	871	12,233	2,091	10,091	146	3,850
171	Syracuse U.	33,796	2,762	1,694	6,504	654	9,580	200	12,402
172	St. Louis U.	33,728	1,832	75	28,738	201	1,249	4	1,629
173	U. AR main campus	33,674	2,382	2,516	4,868	578	7,443	12,185	3,702
174	TX A&M U. System Health Science Ctr.	33,511	1,472	0	31,311	0	440	52	236
175	Boston C.	33,290	7,291	2,295	11,056	197	5,173	0	7,278
176	Howard U.	33,017	1,309	750	18,066	1,390	7,112	0	4,390
177	CUNY The City C.	32,900	4,159	1,152	9,442	2,407	9,737	444	5,559
178	U. NV, Las Vegas	32,441	2,581	16,402	2,739	544	3,530	2,107	4,538
179	U. TX Arlington	31,628	5,827	3,292	5,359	360	9,313	44	7,433
180	U. TX Dallas	30,754	6,695	1,802	11,221	1,897	5,441	50	3,648
181	CO School of Mines	29,892	4,782	13,957	704	410	6,919	28	3,092
182	U. PR Medical Sciences Campus	29,813	359	0	29,427	0	26	0	1
183	Stevens Institute of Technology	29,370	20,609	534	302	89	4,964	0	2,872
184	Eastern VA Medical School	29,291	159	0	6,651	245	0	0	22,236
185	Loma Linda U.	29,284	7,845	770	14,800	3,096	1,044	0	1,729
186	U. WI-Milwaukee	29,042	1,834	1,392	11,228	169	9,472	505	4,442
187	Loyola U. Chicago	28,995	1,474	5	23,835	16	1,780	9	1,876
188	U. TX San Antonio	28,717	3,686	271	14,402	575	4,699	412	4,672
189	U. of the VI	28,369	0	0	3,259	0	2,618	2,372	20,120
190	IL Institute of Technology	28,349	1,387	5,723	12,507	229	4,421	347	3,735

TABLE 18. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by federal agency: FY 2010

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
191	Desert Research Institute	28,307	7,661	9,423	0	904	4,807	763	4,749
192	MO U. of Science and Technology	28,239	13,287	2,752	1,398	180	5,376	79	5,167
193	SUNY Upstate Medical U.	27,959	94	0	22,054	3	0	0	5,808
194	C. of William and Mary and VA Institute of Marine Science	27,685	3,392	1,730	1,506	1,088	7,495	208	12,266
195	MI Technological U.	27,676	10,214	4,447	1,689	1,182	5,777	1,937	2,430
196	GA State U.	27,073	2,219	360	11,415	468	7,181	91	5,339
197	Morehouse School of Medicine	26,559 i	192 i	0 i	26,156 i	126 i	85 i	0 i	0 i
198	U. AL, The	26,364	2,011	4,894	4,366	982	8,883	170	5,058
199	U. North TX Health Science Ctr.	25,847	1,258	0	20,264	0	326	0	3,999
200	U. MA Lowell	25,550	10,279	724	5,002	369	5,105	0	4,071
201	SD School of Mines and Technology	25,172	5,290	603	0	1,429	16,861	219	770
202	Cleveland State U.	25,024	712	281	20,962	982	959	9	1,119
203	SUNY Health Science Ctr. Brooklyn	25,023	679	9	24,162	0	135	0	38
204	Wright State U.	24,785	8,723	265	12,058	356	2,327	14	1,042
205	U. MA Boston	24,527	682	433	9,666	137	5,902	94	7,613
206	Meharry Medical C.	24,302	641	0	23,497	0	2	40	122
207	San Jose State U.	24,292	916	97	1,674	13,506	3,267	131	4,701
208	NC Agricultural and Technical State U.	23,883	6,105	497	1,837	757	6,710	4,739	3,238
209	Lehigh U.	23,721	3,981	4,120	3,619	850	9,129	0	2,022
210	Rochester Institute of Technology	23,254	7,657	2,701	1,652	2,411	4,871	175	3,787
211	Southern IL U. Carbondale	22,209	1,863	1,291	12,338	0	3,968	1,297	1,452
212	AL A&M U.	22,154	12,003	0	799	364	3,145	3,000	2,843
213	U.S. Military Academy	22,146	20,595 i	0 i	0 i	0 i	1,317 i	0 i	234 i
214	Brigham Young U.	22,115	4,483	1,458	4,075	1,055	6,899	786	3,359
215	U. PR Rio Piedras	21,717	477	275	7,478	1,805	11,274	255	153
216	NY Medical C.	21,095	0	0	21,095	0	0	0	0
217	SUNY Binghamton	20,979	4,519	1,955	7,514	535	3,928	27	2,501
218	U. Memphis, The	20,654	1,926	161	4,425	182	3,058	40	10,862
219	Charles R. Drew U. of Medicine and Science	20,430	3,183	0	17,247	0	0	0	0
220	Western MI U.	19,738	1,920	1,595	2,136	443	3,965	291	9,388
221	U. NC Greensboro	19,477	497	66	8,319	9	2,027	121	8,438
222	U. New Orleans	19,244	8,355	132	1,786	565	1,868	25	6,513
223	Mercer U.	18,778	16,760	0	1,977	0	41	0	0
224	CUNY Hunter C.	18,498	446	402	13,954	131	2,439	0	1,126
225	OH U.	18,466	2,624	2,135	3,782	579	4,246	163	4,937
226	Marshall U.	18,218	5,527	1	6,682	1,422	1,646	356	2,584
227	U. North TX	17,511	6,257	1,182	931	305	6,660	201	1,975
228	Northern IL U.	17,334	9,082	1,153	1,923	2	3,545	247	1,382
229	U. NC Charlotte	17,284	1,812	472	5,176	35	6,716	204	2,869

TABLE 18. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by federal agency: FY 2010

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
230	FL Atlantic U.	17,268	4,474	80	4,301	52	3,686	593	4,082
231	CA State U., Northridge	17,213	541	199	6,169	273	3,966	0	6,065
232	U. SD	16,467	316	678	12,098	97	1,805	13	1,460
233	U. MO-Kansas City	16,391	1,372	208	12,448	0	1,840	42	481
234	East Carolina U.	16,113	1,261	0	11,591	199	2,003	19	1,040
235	Catholic U. America, The	15,878	1,101	5,503	1,600	5,498	1,656	0	520
236	Albany Medical C.	15,758	999	0	14,759	0	0	0	0
237	San Francisco State U.	15,601	813	198	8,411	327	4,472	15	1,365
238	Air Force Institute of Technology	15,474	15,336	55	0	0	83	0	0
239	Northern AZ U.	15,070	136	1,924	1,899	238	4,390	1,665	4,818
240	U. South AL	14,730	146	121	10,915	196	831	0	2,521
241	ID State U.	14,645	1,814	5,619	1,940	568	3,891	56	757
242	Boise State U.	14,614	4,903	2,743	1,315	532	3,033	84	2,004
243	Kent State U.	14,586	1,610	996	5,103	7	4,700	42	2,128
244	Hampton U.	14,455	580	1,451	1,008	5,497	4,153	0	1,766
245	U. NC Wilmington	14,364	1,203	42	2,590	42	2,704	318	7,465
246	LA State U. Medical Ctr. Shreveport	13,890	471	0	13,109	0	241	69	0
247	Wichita State U.	13,751	5,269	441	2,055	1,161	1,295	0	3,530
248	CA State U., Fullerton	13,651	517	150	1,720	244	2,190	0	8,830
249	CUNY Queens C.	13,642	168	5,960	5,736	0	1,522	93	163
250	Miami U.	13,591	961	282	4,217	312	5,154	266	2,399
251	Worcester Polytechnic Institute	13,582	2,251	1,084	2,048	146	5,069	11	2,973
252	U. Denver	13,364	420	439	6,577	638	1,630	40	3,620
253	AL State U.	13,340	0	0	1,200	0	11,540	600	0
254	Southern Methodist U.	13,312	4,437	2,088	2,665	353	2,130	46	1,593
255	TX Tech U. Health Sciences Ctr.	12,950	1,391	0	11,348	0	39	172	0
256	U. LA Lafayette	12,881	1,377	968	5,939	135	2,070	65	2,327
257	U. PR Mayaguez	12,735	1,197	389	1,800	79	3,913	659	4,698
258	CA State U., Long Beach	12,731	3,920	119	3,070	1,158	1,808	200	2,456
259	Rutgers, the State U. NJ-Newark	12,631	449	484	7,550	33	3,279	0	836
260	Tuskegee U.	12,309	212	144	4,103	799	60	3,559	3,432
261	U. HI Hilo	12,265	0	0	1,101	2,075	1,206	1,016	6,867
262	U. MA Dartmouth	12,236	1,896	371	605	47	2,451	611	6,255
263	U. MD Ctr. for Environmental Science	12,123	442	0	100	509	3,296	406	7,370
264	U. Akron	12,107	1,832	1,317	1,784	1,831	4,056	105	1,182
265	Creighton U.	11,850	0	0	11,690	80	0	80	0
266	CA Polytechnic State U., San Luis Obispo	11,637	4,048	155	536	1,851	1,914	874	2,259
267	C. Charleston	11,610	50	42	887	3,202	4,461	58	2,910

TABLE 18. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by federal agency: FY 2010

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
268	U. West FL	11,038	1,189	0	156	0	94	0	9,599
269	Fayetteville State U.	10,844	1,276	0	509	0	311	0	8,748
270	LA Tech U.	10,806	1,801	2,336	1,071	638	2,375	272	2,313
271	U.S. Naval Academy	10,750	8,327	108	0	831	923	0	561
272	DE State U.	10,154	2,299	259	1,248	446	2,305	3,147	450
273	Morgan State U.	10,039	1,465	132	1,936	3,054	1,731	0	1,721
274	Clarkson U.	9,573	2,159	19	694	274	2,423	229	3,775
275	FL Gulf Coast U.	9,542	1,370	0	0	43	443	0	7,686
276	U. CA, Merced	9,392	1,016	555	2,257	180	3,448	119	1,817
277	Marquette U.	9,381	543	31	4,459	45	1,896	39	2,368
278	U. AK Anchorage	9,368	194	34	3,621	0	2,458	99	2,962
279	Alcorn State U.	9,256	833	0	929	0	257	6,497	740
280	FL Institute of Technology	9,175	1,974	198	3,965	115	1,910	0	1,013
281	U. Southern ME	9,137	819	0	7,085	451	492	23	267
282	Eastern MI U.	9,088	1,733	0	93	136	1,441	966	4,719
283	SUNY C. of Environmental Science and Forestry	8,907	252	1,222	24	309	2,070	2,011	3,019
284	TX State U.-San Marcos	8,904	1,460	120	1,589	9	1,666	755	3,305
285	American U.	8,841	0	0	263	576	228	0	7,774
286	Wheeling Jesuit U.	8,768	1,523	0	304	5,942	395	0	604
287	Prairie View A&M U.	8,623	607	503	349	1,156	785	4,265	958
288	U. MD Eastern Shore	8,583	0	0	1,131	285	69	4,051	3,047
289	Rosalind Franklin U. of Medicine and Science	8,350	186	467	7,697	0	0	0	0
290	Embry-Riddle Aeronautical U.	8,241	0	156	0	286	905	221	6,673
291	TX A&M U.-Corpus Christi	7,869	2,938	379	214	178	1,476	47	2,637
292	Morehouse C.	7,857	1,483	1,158	3,112	80	1,357	23	644
293	Fisk U.	7,686	1,352	551	149	0	5,555	0	79
294	U. AR Little Rock	7,571	1,120	1,441	713	1,471	1,739	25	1,062
295	Ponce School of Medicine	7,569	0	0	7,569	0	0	0	0
296	TN Technological U.	7,490	2,243	988	2	230	1,444	310	2,273
297	TN State U.	7,414	1,717	281	976	203	767	3,342	128
298	CA State U., Los Angeles	7,234	259	92	3,399	842	2,305	0	337
299	Clark Atlanta U.	7,229	837	110	2,863	778	2,501	80	60
300	U. MO-St. Louis	7,151	45	237	3,018	54	2,527	155	1,115
301	Oakland U.	7,130	1,495	104	3,684	0	1,643	19	185
302	U. Tulsa	7,126	1,104	719	570	54	3,086	60	1,533
303	Dillard U.	7,096	0	0	414	26	352	0	6,304
304	TX A&M U.-Kingsville	7,088	75	42	1,291	38	1,386	1,446	2,810
305	NC Central U.	6,870	373	0	4,698	0	1,799	0	0

TABLE 18. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by federal agency: FY 2010

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
306	Western KY U.	6,866	961	51	611	1,551	439	1,010	2,243
307	U. CO Colorado Springs	6,699	4,056	0	737	146	1,175	3	582
308	Teachers C., Columbia U.	6,533	0	0	2,601	0	195	5	3,732
309	Universidad Central del Caribe	6,504	8	0	6,420	0	0	24	52
310	U. MN Duluth	6,441	320	624	623	29	2,576	501	1,768
311	Villanova U.	6,390 i	2,071 i	922 i	1,012 i	304 i	1,672 i	10 i	399 i
312	Tarleton State U.	6,379	72	0	0	0	0	6,307	0
313	SC State U.	6,334	0	1,166	5	0	2,109	1,763	1,291
314	East TN State U.	6,272	0	0	4,750	52	1,210	57	203
315	AR State U. main campus	6,194	2,859	1,148	338	31	1,444	235	139
316	Purdue U. Calumet	6,127	149	2,824	380	37	340	104	2,293
317	MO State U.	6,071	3,428	186	342	0	1,345	311	459
318	U. NE Omaha	6,014	2,789	8	1,417	538	467	39	756
319	Lincoln U. (Jefferson City, MO)	5,984	2,781	0	107	0	0	3,096	0
320	Southern U. Baton Rouge	5,920	903	57	671	1,345	967	1,347	630
321	Duquesne U.	5,904	311	96	2,927	37	1,448	17	1,068
322	Claremont Graduate U.	5,888	1,000	0	3,888	0	0	0	1,000
323	CA State U., Sacramento	5,829	34	65	1,072	5	1,287	21	3,345
324	Polytechnic U.	5,729	1,193	22	401	65	3,659	0	389
325	Nova Southeastern U.	5,718	173	0	2,126	0	65	0	3,354
326	Xavier U. LA	5,669	524	74	3,201	85	489	48	1,248
327	U. TX Brownsville	5,640	184	2	2,321	730	2,024	0	379
328	James Madison U.	5,563	106	2,214	268	61	1,910	22	982
329	Elizabeth City State U.	5,552	451	33	949	121	672	6	3,320
330	VA State U.	5,552	369	272	232	35	1,221	3,227	196
331	U. TX Pan American	5,544	1,333	0	1,427	39	1,146	136	1,463
332	Stephen F. Austin State U.	5,530	3,410	0	196	18	143	856	907
333	Gallaudet U.	5,522	0	0	212	0	3,853	0	1,457
334	IL State U.	5,442	0	501	944	0	1,930	125	1,942
335	Norfolk State U.	5,413	1,364	201	687	141	2,047	11	962
336	CUNY Brooklyn C.	5,358	201	46	3,491	0	1,589	0	31
337	MT Tech of the U. MT	5,321	2,002	720	689	35	995	98	782
338	TX Southern U.	5,240	782	0	1,058	1,580	796	0	1,024
339	U. WI-Superior	5,197	3,001	0	0	0	0	0	2,196
340	Sam Houston State U.	5,066	1,885	68	472	0	707	30	1,904
341	Bowling Green State U.	4,963	525	157	2,151	27	1,594	0	509
342	U. GU	4,962	93	0	1,517	0	79	1,854	1,419
343	CUNY Graduate Ctr.	4,901	0	0	517	0	3,443	0	941
344	U. TN Chattanooga	4,866	2,786	18	258	616	361	0	827

TABLE 18. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by federal agency: FY 2010

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
345	U. North FL	4,636	2,366	778	546	8	386	106	446
346	Western WA U.	4,594	0	162	202	70	2,776	103	1,281
347	Ft. Valley State U.	4,586	0	0	0	0	734	3,852	0
348	Wesleyan U.	4,496	91	0	2,383	257	1,731	9	25
349	Kettering U.	4,477	1,296	577	0	9	64	0	2,531
350	U. WI-Stevens Point	4,456	2,041	0	41	4	1,085	668	617
351	Lamar U.	4,377	2,881	36	221	35	699	170	335
352	Rowan U.	4,301	0	0	0	125	728	0	3,448
353	Southern IL U. Edwardsville	4,192	91	0	611	228	1,030	911	1,321
354	Fordham U.	4,132	105	279	3,186	22	391	0	149
355	CA State U., San Marcos	4,106	0	0	2,787	0	935	206	178
356	Central WA U.	4,038	0	134	0	218	2,351	276	1,059
357	Northeastern OH Universities C. of Medicine	4,009	0	0	3,668	0	264	0	77
358	Ball State U.	3,988	483	127	640	32	553	43	2,110
359	U. AR Pine Bluff	3,947	219	0	280	43	50	3,309	46
360	DePaul U.	3,896	116	81	2,047	15	1,273	0	364
361	Wellesley C.	3,677	0	0	719	525	1,553	120	760
362	KY State U.	3,501	0	0	7	2	255	3,237	0
363	Santa Clara U.	3,494	994	98	253	738	1,343	0	68
364	CA State U., Fresno	3,424	249	0	1,033	187	187	848	920
365	CUNY John Jay C. of Criminal Justice	3,418	392	0	1,481	0	716	0	829
366	U. TX Tyler	3,378	734	2	544	537	110	253	1,198
367	TX Christian U.	3,373	0	0	2,057	102	211	1	1,002
368	Langston U.	3,313	0	0	0	0	0	3,313	0
369	Clark U.	3,243	125	63	888	112	1,701	1	353
370	Claffin U.	3,226	1,759	245	889	90	188	55	0
371	CA State U., Monterey Bay	3,167	46	0	0	2,713	0	45	363
372	Shaw U.	3,159 i	0 i	0 i	1,455 i	548 i	473 i	0 i	683 i
373	Lawrence Technological U.	3,144	2,077	0	0	0	332	1	734
374	U. of the Pacific	3,135	71	224	885	0	527	0	1,428
375	Humboldt State U.	3,024	11	0	62	31	843	501	1,576
376	Palmer C. of Chiropractic	3,009	0	0	3,009	0	0	0	0
377	Tougaloo C.	2,978	0	0	2,327	0	651	0	0
378	Baylor U.	2,947	282	453	773	0	717	288	434
379	U. MI-Dearborn	2,932	2,271	35	61	19	415	0	131
380	St. Francis U.	2,923	2,864	59	0	0	0	0	0
381	Smith C.	2,843	236	8	942	46	1,602	8	1
382	SUNY C. of Optometry	2,829	221	0	2,465	0	143	0	0

TABLE 18. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by federal agency: FY 2010

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
383	U. New England	2,829	0	0	1,372	33	940	0	484
384	WV State U.	2,759	0	0	114	0	227	2,418	0
385	Barnard C.	2,754	0	1	1,676	46	864	0	167
386	CUNY Herbert H. Lehman C.	2,750 i	102 i	100 i	1,656 i	5 i	551 i	46 i	290 i
387	Bucknell U.	2,745	702	14	368	7	1,095	0	559
388	Spelman C.	2,740	0	141	1,087	0	1,485	0	27
389	Haverford C.	2,715	0	0	670	0	2,028	0	17
390	Armstrong Atlantic State U.	2,681	0	0	670	17	1,585	0	409
391	Fairfield U.	2,681	0	43	713	5	131	0	1,789
392	CA State U., Dominguez Hills	2,658	75	48	1,436	0	1,063	0	36
393	Middle TN State U.	2,651	41	272	550	151	640	88	909
394	Eastern KY U.	2,638	1,560	85	206	0	238	141	408
395	U. South FL St. Petersburg	2,570	0	0	64	0	154	0	2,352
396	CA State Polytechnic U., Pomona	2,563	147	158	1,368	21	619	92	158
397	Central State U.	2,544	47	1,000	678	23	420	0	376
398	Central MI U.	2,536	62	81	448	23	1,409	0	513
399	Hope C.	2,523	0	0	75	60	2,271	0	117
400	Long Island U.	2,483 i	73 i	17 i	2,284 i	10 i	45 i	2 i	52 i
401	Black Hills State U.	2,434	0	0	646	3	1,714	6	65
402	Williams C.	2,330	0	0	493	70	1,728	0	39
403	Middlebury C.	2,245	0	2	644	58	1,402	6	133
404	Hofstra U.	2,206	0	336	49	94	1,710	0	17
405	Seton Hall U.	2,206	0	0	2,072	0	134	0	0
406	Monmouth U.	2,190	1,623	0	38	0	5	0	524
407	U. WI-La Crosse	2,150	39	0	208	90	1,056	125	632
408	U. PR Humacao	2,144 i	0 i	0 i	1,131 i	0 i	990 i	23 i	0 i
409	U. Richmond	2,138	0	248	304	0	1,527	0	59
410	West TX A&M U.	2,100	0	597	0	0	634	753	116
411	Calvin C.	2,084	102	0	246	0	1,271	0	465
412	U. Northern CO	2,082	76	0	933	63	340	51	619
413	GA Southern U.	2,077	5	0	132	80	1,614	151	95
414	Murray State U.	2,074	36	0	185	75	694	8	1,076
415	Youngstown State U.	2,067	1,344	102	9	14	222	18	358
416	MN State U. Mankato	2,051	87	1,013	22	0	621	0	308
417	Harvey Mudd C.	2,049	13	0	35	0	1,928	0	73
418	Rutgers, the State U. NJ-Camden	2,001	0	0	365	0	1,272	96	268
419	U. DC	1,946	0	0	1,098	0	253	434	161
420	Northwest Indian C.	1,943	0	0	587	0	432	350	574



TABLE 18. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by federal agency: FY 2010

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
421	Montclair State U.	1,876	71	0	772	136	793	0	104
422	Skidmore C.	1,872	0	0	257	0	1,216	0	399
423	Chapman U.	1,871	178	0	39	148	921	55	530
424	Franklin & Marshall C.	1,857	16	52	51	40	1,648	0	50
425	Salisbury U.	1,823	0	6	0	0	132	0	1,685
426	Bowdoin C.	1,815	25	25	642	149	949	0	25
427	Appalachian State U.	1,813	49	99	11	237	883	12	522
428	U. Baltimore	1,812	0	0	752	0	14	10	1,036
429	Towson U.	1,806	148	0	444	76	934	31	173
430	Carleton C.	1,803	0	0	34	29	1,553	0	187
431	IN U.-Purdue U. Ft. Wayne	1,797	0	14	1,080	42	57	7	597
432	Savannah State U.	1,774	0	191	339	0	526	0	718
433	Loyola Marymount U.	1,731	413	0	375	21	278	6	638
434	Alfred U.	1,687	10	309	42	9	706	0	611
435	New School, The	1,670	764	58	127	0	440	0	281
436	U. Central AR	1,658	1	0	434	22	884	73	244
437	Western OR U.	1,652	0	0	229	72	27	0	1,324
438	TX A&M International U.	1,623	0	153	164	13	248	0	1,045
439	West Chester U. PA	1,612 i	1 i	64 i	833 i	143 i	552 i	11 i	8 i
440	Chicago State U.	1,598	0	0	781	0	817	0	0
441	Sul Ross State U.	1,595	201	0	0	0	20	1,246	128
442	Roger Williams U.	1,574	39	0	380	2	164	265	724
443	Coastal Carolina U.	1,533	577	125	0	70	504	0	257
444	Morehead State U.	1,528	0	0	605	75	266	0	582
445	Colgate U.	1,519	81	0	105	16	1,317	0	0
446	CA State U., Chico	1,502	461	445	12	0	332	150	102
447	Northern KY U.	1,476	0	0	960	85	375	0	56
448	Benedict C.	1,473	0	524	603	0	261	0	85
449	U. LA Monroe	1,470	73	0	1,020	0	211	0	166
450	Northwestern Health Sciences U.	1,467	0	0	1,467	0	0	0	0
451	U. Northern IA	1,460	18	39	399	622	182	2	198
452	Southern CT State U.	1,459	0	0	0	0	0	0	1,459
453	Union C. (Schenectady, NY)	1,427	62	61	0	43	1,261	0	0
454	CA State U., San Bernardino	1,412	39	0	1,034	92	175	69	3
455	SUNY C. of A&T Cobleskill	1,382	837	545	0	0	0	0	0
456	Albany C. of Pharmacy	1,380	89	0	1,287	0	0	4	0
457	St. Joseph's U.	1,368	544	0	34	0	555	41	194
458	U. NC Asheville	1,367	0	6	0	48	584	390	339
459	Mt. Holyoke C.	1,362	0	32	178	187	943	0	22

TABLE 18. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by federal agency: FY 2010  
(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
460	TX A&M U.-Commerce	1,362	0	559	0	14	505	0	284
461	Oberlin C.	1,359	0	0	0	138	1,125	0	96
462	U. San Diego	1,352	0	31	647	0	518	0	156
463	Furman U.	1,332	0	0	426	2	884	0	20
464	Agnes Scott C.	1,328	0	0	847	50	431	0	0
465	U. WI-Eau Claire	1,320	323	0	342	6	547	37	65
466	Bryn Mawr C.	1,301	0	0	259	0	504	15	523
467	Western Carolina U.	1,296	0	137	31	0	491	103	534
468	SUNY C. Buffalo	1,293	1	163	792	17	133	0	187
469	Universidad Metropolitana	1,282	0	0	549	7	726	0	0
470	Vassar C.	1,280	0	0	149	0	1,101	0	30
471	St. John's U. (Jamaica, NY)	1,274	0	0	1,161	0	0	0	113
472	Salus U.	1,261	0	0	1,261	0	0	0	0
473	St. Cloud State U.	1,260	0	50	69	0	195	95	851
474	St. Olaf C.	1,247	0	0	1	0	1,233	0	13
475	Kennesaw State U.	1,246	0	0	881	0	332	0	33
476	Lafayette C.	1,223	0	0	80	0	954	2	187
477	U. AK Southeast	1,222	0	0	52	173	629	130	238
478	Bastyr U.	1,211	0	0	1,211	0	0	0	0
479	U. Redlands	1,208	538	0	30	100	15	70	455
480	Arcadia U.	1,206	0	0	0	0	161	0	1,045
481	Washington and Jefferson C.	1,188	1,033	0	0	0	155	0	0
482	SUNY C. Plattsburgh	1,187	0	0	832	158	15	6	176
483	Milwaukee School of Engineering	1,177	96	0	302	9	392	0	378
484	Grinnell C.	1,161	0	0	686	0	469	0	6
485	Southeastern LA U.	1,161	48	0	85	0	183	0	845
486	Rose-Hulman Institute of Technology	1,159	828	0	138	0	193	0	0
487	Davidson C.	1,153	0	40	736	0	357	0	20
488	Universidad del Este	1,139	0	0	1,126	0	13	0	0
489	Grand Valley State U.	1,134	25	0	89	132	530	0	358
490	Claremont McKenna C.	1,130	0	0	152	0	826	0	152
491	Governors State U.	1,124	0	0	1,065	0	46	0	13
492	Hobart and William Smith Colleges	1,118	0	66	152	25	787	0	88
493	Lincoln U. of the Commonwealth of PA	1,114	0	79	1,014	20	1	0	0
494	Colby C.	1,105	0	7	402	0	687	0	9
495	Amherst C.	1,102	0	0	260	0	629	0	213
496	Mills C.	1,095	685	0	0	0	410	0	0
497	Whitman C.	1,080	0	0	104	1	967	0	8

TABLE 18. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by federal agency: FY 2010  
(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
498	Hamilton C.	1,077	63	81	0	0	663	0	270
499	Macalester C.	1,075	15	0	0	14	902	0	144
500	Mesa State C.	1,064	0	24	0	16	393	0	631
501	U. Central OK	1,059	7	0	552	0	254	6	240
502	Plymouth State U.	1,053 i	0 i	0 i	134 i	47 i	136 i	192 i	544 i
503	Christopher Newport U.	1,049	11	124	0	452	391	0	71
504	Pomona C.	1,048	0	0	239	75	657	0	77
505	Siena C.	1,045	0	0	0	191	852	0	2
506	John Carroll U.	1,036	0	0	0	0	474	0	562
507	Trinity C. (Hartford, CT)	1,026	0	0	235	9	782	0	0
508	Trinity U.	1,023	0	0	64	0	851	43	65
509	CUNY Baruch C.	1,010	0	82	411	0	500	0	17
510	Pittsburg State U.	999	37	0	135	108	0	718	1
511	Touro U.-CA	999	0	0	543	0	0	0	456
512	Grambling State U.	993	194	71	0	52	623	0	53
513	MS Valley State U.	993	0	0	43	9	778	112	51
514	IN State U.	990	62	78	341	69	298	4	138
515	U. of the Sciences Philadelphia	984	0	0	828	0	137	0	19
516	Bates C.	971	85	5	568	0	291	0	22
517	NM Highlands U.	970	0	0	498	0	373	58	41
518	Philadelphia U.	968	636	0	226	0	0	0	106
519	PA State U. Harrisburg	963	116	0	330	0	0	14	503
520	CT C.	954	98	0	312	72	461	11	0
521	CUNY C. Staten Island	952	36	0	0	0	801	0	115
522	Nicholls State U.	946	66	852	0	0	28	0	0
523	Pepperdine U.	933	0	0	42	0	116	0	775
524	Haskell Indian Nations U.	922	0	0	405	48	233	236	0
525	Swarthmore C.	913	0	165	210	43	483	0	12
526	U. Houston-Downtown	908	0	0	0	431	373	24	80
527	C. of the Holy Cross	904	0	0	135	0	769	0	0
528	Barry U.	897	0	0	860	0	28	0	9
529	Augustana C. (Sioux Falls, SD)	889	0	0	469	86	298	36	0
530	PA State U. Erie, The Behrend C.	887	1	0	0	0	149	1	736
531	Evergreen State C.	886	0	0	134	0	743	0	9
532	Western U. of Health Sciences	885	0	0	537	0	17	196	135
533	Western States Chiropractic C.	866	0	0	866	0	0	0	0
534	Providence C.	857	126	0	392	0	339	0	0
535	Mercyhurst C.	854	197	0	0	21	76	0	560

TABLE 18. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by federal agency: FY 2010

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
536	LA State U. Shreveport	849	0	0	531	0	10	0	308
537	Pacific U.	845	0	0	0	0	754	11	80
538	Lewis & Clark C.	843	0	0	135	0	683	0	25
539	U. of St. Thomas (St. Paul, MN)	842	0	0	0	19	625	21	177
540	U. WI-Oshkosh	832	17	0	54	22	350	0	389
541	TX Woman's U.	822	0	0	520	0	0	164	138
542	U. Hartford	820	13	179	0	352	179	0	97
543	OK State U. Ctr. for Health Sciences	817	0	0	777	0	0	0	40
544	Philadelphia C. of Osteopathic Medicine	812	0	0	812	0	0	0	0
545	Reed C.	796	171	0	347	0	278	0	0
546	Minot State U.	795	0	0	788	0	0	0	7
547	PA State U. Beaver	786	0	0	0	0	1	0	785
548	U. WI-Green Bay	778	0	0	0	566	1	5	206
549	St. Bonaventure U.	767	0	0	0	0	20	0	747
550	U. West GA	761	0	0	48	31	79	15	588
551	SUNY C. Geneseo	755	0	285	145	10	255	1	59
552	National U. of Health Sciences	754	0	0	754	0	0	0	0
553	Wilberforce U.	737	0	513	224	0	0	0	0
554	New England C. of Optometry	726	0	0	726	0	0	0	0
555	U. PR Cayey	710	0	0	685	3	12	0	10
556	Lawrence U.	703	0	0	136	27	515	0	25
557	SUNY Institute of Technology at Utica-Rome	695	688	0	0	0	7	0	0
558	Universidad del Turabo	691	0	0	5	106	458	0	122
559	Sonoma State U.	690	0	0	0	0	610	10	70
560	U. TX of the Permian Basin	677	0	248	107	0	0	0	322
561	U.S. Coast Guard Academy	672	15	0	0	0	0	0	657
562	Willamette U.	666	67	0	0	0	438	0	161
563	Occidental C.	665	18	20	49	0	539	0	39
564	Indiana U. PA	660	0	0	142	0	156	61	301
565	Western IL U.	658	0	34	224	0	326	74	0
566	Mt. St. Mary's C. (Los Angeles, CA)	647	0	0	552	0	95	0	0
567	Washington and Lee U.	646	0	0	38	0	465	0	143
568	SUNY C. Oswego	644	0	0	387	0	54	0	203
569	CA State U., East Bay	643	0	203	82	101	197	0	60
570	Purdue U. North Central	639	0	0	0	0	11	0	628
571	Southern OR U.	639	0	0	0	150	0	468	21
572	CA State U., Bakersfield	637	0	0	0	0	637	0	0
573	Northwestern State U.	635	0	0	0	0	44	22	569
574	SUNY C. Old Westbury	634 i	0 i	9 i	531 i	0 i	5 i	0 i	89 i

TABLE 18. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by federal agency: FY 2010  
(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
575	U. Detroit Mercy	633	339	73	0	0	134	0	87
576	Pace U.	627	86	297	120	0	72	0	52
577	Ithaca C.	617	0	0	323	24	265	5	0
578	Le Moyne-Owen C.	610	0	0	38	0	572	0	0
579	Gonzaga U.	609	83	0	1	0	462	63	0
580	Truman State U.	605	0	0	0	15	569	9	12
581	Dickinson C.	602	0	0	21	39	402	2	138
582	U. WA Tacoma	573	10	165	15	0	37	0	346
583	Kansas City U. of Medicine and Biosciences	556	0	0	0	0	14	0	542
584	Loyola C.	555	15	0	44	0	302	0	194
585	West Liberty State C.	550	0	0	0	0	550	0	0
586	Abilene Christian U.	537	0	496	0	0	41	0	0
587	Sinte Gleska U.	537	0	50	62	2	368	0	55
588	Hampshire C.	533	0	67	0	13	449	4	0
589	Gettysburg C.	524	0	0	0	3	517	0	4
590	SUNY C. Brockport	521	92	0	179	4	160	28	58
591	Rhodes C.	519	80	11	84	0	197	0	147
592	New C. FL	514	417	0	0	0	97	0	0
593	Bradley U.	512	363	43	12	22	71	0	1
594	Valparaiso U.	505	81	151	0	46	209	1	17
595	St. Michael's C.	487	0	26	309	32	94	0	26
596	Salish Kootenai C.	475	16	0	155	3	286	15	0
597	CO C.	473	0	0	0	0	403	10	60
598	Denison U.	469 i	4 i	15 i	56 i	17 i	325 i	2 i	50 i
599	Hendrix C.	466	0	0	222	66	176	0	2
600	C. NJ, The	461	0	0	79	0	378	0	4
601	Drake U.	456	0	0	48	86	227	95	0
602	Northeastern State U.	451	0	0	451	0	0	0	0
603	VA Military Institute	451	3	0	0	0	366	82	0
604	Eastern IL U.	450	0	46	61	4	231	89	19
605	Northeastern IL U.	448	0	0	159	0	86	0	203
606	U. WA Bothell	446	0	0	0	22	406	0	18
607	U. IL Springfield	436	0	0	39	7	71	0	319
608	McNeese State U.	433	0	0	0	12	185	7	229
609	Millsaps C.	433	0	0	105	0	328	0	0
610	Southern Polytechnic State U.	428	99	0	0	0	235	0	94
611	U. San Francisco	428	0	0	140	0	225	22	41
612	Daemen C.	426	426	0	0	0	0	0	0

TABLE 18. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by federal agency: FY 2010

(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
613	Mercy C.	426	0	0	426	0	0	0	0
614	Kenyon C.	413	0	0	110	0	237	23	43
615	Ursinus C.	413	0	0	76	0	337	0	0
616	U. WI-Whitewater	411	39	0	0	33	195	0	144
617	Rider U.	407	44	0	233	0	106	0	24
618	Albany State U.	396	0	0	305	0	73	0	18
619	Elizabethtown C.	394	0	0	258	0	136	0	0
620	CUNY Medgar Evers C.	392	14	0	132	246	0	0	0
621	SUNY C. Potsdam	386	212	0	0	0	174	0	0
622	Frostburg State U.	372	0	0	0	0	0	372	0
623	Southern U. New Orleans	369	368	0	0	1	0	0	0
624	Central CT State U.	366	0	0	251	0	45	34	36
625	CO State U. Pueblo	364	0	0	197	0	160	0	7
626	Wiley C.	362	0	0	0	0	229	0	133
627	IL Wesleyan U.	360	0	0	0	0	124	0	236
628	Weber State U.	355	0	0	34	66	33	19	203
629	Wilkes U.	345	31	0	22	0	292	0	0
630	Ft. Lewis C.	340	0	2	0	29	144	28	137
631	U. SC Beaufort	338	281 i	2 i	5 i	8 i	7 i	16 i	19 i
632	U. Portland	335	20	0	163	0	72	0	80
633	Southwestern OK State U.	333	0	0	301	0	32	0	0
634	MT State U. Billings	327	0	0	290	0	23	0	14
635	U. South FL Polytechnic	323	0	0	0	0	163	0	160
636	Coe C.	322	0	0	0	0	322	0	0
637	Goucher C.	322	0	0	144	0	138	0	40
638	St. Joseph's C. (Standish, ME)	316	0	0	0	20	128	0	168
639	Midwestern U. (Downers Grove, IL)	315	0	0	283	0	0	2	30
640	Millersville U. PA	307	16	0	0	0	280	0	11
641	Muhlenberg C.	302	0	0	0	0	302	0	0
642	Concordia C.	301	0	0	0	20	235	46	0
643	U. Houston-Clear Lake	301	0	0	0	0	39	6	256
644	Radford U.	292	0	0	57	7	224	1	3
645	Adelphi U.	290	0	0	75	0	215	0	0
646	U. NE Kearney	289	0	195	0	3	0	0	91
647	Northern MI U.	287	0	0	93	0	0	0	194
648	AK Pacific U.	283	0	0	0	30	17	0	236
649	IN U. South Bend	282	0	0	0	0	282	0	0
650	Andrews U.	280	0	0	0	0	111	4	165

TABLE 18. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by federal agency: FY 2010  
(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
651	Bridgewater State C.	279	0	0	48	0	98	0	133
652	Eckerd C.	275	0	0	0	7	94	0	174
653	LeTourneau U.	273	0	0	98	0	151	0	24
654	Vanguard U. Southern CA	269 i	102 i	0 i	144 i	11 i	1 i	0 i	11 i
655	PA State U. Altoona	267	22	16	0	0	200	0	29
656	Seattle U.	263 i	0 i	0 i	68 i	5 i	178 i	0 i	12 i
657	Loyola U. New Orleans	260	110	0	95	0	44	0	11
658	Cheyney U. PA	255	0	0	0	0	0	255	0
659	Kalamazoo C.	254	0	0	123	0	128	0	3
660	U. MT Western, The	253	0	0	220	33	0	0	0
661	AR Tech U.	250 i	10 i	6 i	41 i	42 i	66 i	9 i	76 i
662	NY Institute of Technology	250	0	183	52	0	15	0	0
663	C. Wooster	249	0	0	0	0	249	0	0
664	La Salle U.	246	0	0	0	0	246	0	0
665	U. MN Morris	245	0	0	0	0	243	0	2
666	Angelo State U.	236	54	0	127	0	55	0	0
667	St. Mary's C. MD	233	110	0	10	0	45	0	68
668	Farmingdale State C.	228	0	0	152	0	26	50	0
669	U. MI-Flint	227	0	0	0	29	3	0	195
670	Mayville State U.	212	0	0	212	0	0	0	0
671	Fairleigh Dickinson U.	210	0	0	149	0	13	0	48
672	U. NC Pembroke	210	0	0	206	4	0	0	0
673	Wabash C.	208	0	0	18	0	190	0	0
674	OH Wesleyan U.	203	0	0	0	0	203	0	0
675	Dowling C.	200	0	9	68	0	123	0	0
676	Allegheny C.	197	0	0	0	0	197	0	0
677	Cooper Union, The	194	0	0	94	0	100	0	0
678	DePauw U.	192	0	0	28	0	164	0	0
679	Jarvis Christian C.	184	0	0	0	0	184	0	0
680	SUNY New Paltz	182	85	0	0	0	93	0	4
681	Simmons C.	181	0	0	104	0	77	0	0
682	OH Northern U.	180	0	0	163	0	17	0	0
683	North GA C. & State U.	176	40	120	0	16	0	0	0
684	Auburn U. Montgomery	174	0	64	0	0	0	0	110
685	Fitchburg State C.	174	0	0	0	0	174	0	0
686	Southeastern OK State U.	171	0	0	144	0	0	0	27
687	Pacific Lutheran U.	169	0	0	52	2	113	0	2
688	Manhattan C.	166	0	0	68	0	21	0	77
689	U. Puget Sound	166	0	0	42	3	38	0	83

TABLE 18. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by federal agency: FY 2010  
(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
690	Niagara U.	162	0	0	140	0	0	0	22
691	Augustana C. (Rock Island, IL)	160	0	0	64	0	96	0	0
692	PA State U. Berks	155	0	22	32	0	101	0	0
693	Canisius C.	154	0	0	0	0	148	6	0
694	Lake Forest C.	154	0	0	60	0	48	0	46
695	SUNY C. Cortland	153	28	0	63	0	62	0	0
696	Juniata C.	150	0	0	101	0	49	0	0
697	U. WI-Stout	148	0	36	87	0	14	0	11
698	Winona State U.	141	0	0	0	0	12	0	129
699	U. WI-River Falls	134	0	0	0	0	125	9	0
700	Jacksonville State U.	133	0	0	0	0	38	0	95
701	NJ City U.	132	132	0	0	0	0	0	0
702	U. WI-Parkside	127	0	19	0	0	104	0	4
703	U. SC Aiken	122	3 i	3 i	25 i	10 i	27 i	14 i	40 i
704	U. CA Office of the President	121	0	0	0	0	0	0	121
705	A. T. Still U. of Health Sciences	116	0	0	116	0	0	0	0
706	Eastern OR U.	116	0	0	0	3	92	21	0
707	Seattle Pacific U.	114	0	0	57	0	57	0	0
708	SUNY C. Oneonta	112	0	0	0	23	73	0	16
709	SUNY Fredonia	111	0	0	0	0	0	0	111
710	Roanoke C.	107 i	0 i	0 i	0 i	0 i	75 i	32 i	0 i
711	U. South FL Sarasota-Manatee	106	0	0	106	0	0	0	0
712	William Paterson U. NJ	105	0	0	48	0	16	0	41
713	Luther C.	102	0	0	14	0	86	0	2
714	Gustavus Adolphus C.	97	0	15	8	0	74	0	0
715	CUNY New York City C. of Technology	81	0	0	0	0	59	0	22
716	Saginaw Valley State U.	77	75	0	0	2	0	0	0
717	U. VA's C. Wise, The	76	0	0	0	0	0	0	76
718	Des Moines U.	62	0	0	62	0	0	0	0
719	Sarah Lawrence C.	60	0	0	0	0	60	0	0
720	Eastern WA U.	46	0	17	0	0	0	0	29
721	U. WI-Platteville	46	0	0	0	0	0	0	46
722	Benedictine U.	42	0	0	8	0	34	0	0
723	MA C. of Pharmacy and Health Sciences	38	0	0	38	0	0	0	0
724	Pitzer C.	36	0	0	0	0	36	0	0
725	WV School of Osteopathic Medicine	22	0	0	22	0	0	0	0
726	St. Mary's U. (San Antonio, TX)	20	11	0	0	0	9	0	0
727	U. Scranton	19	0	0	0	0	19	0	0



TABLE 18. Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by federal agency: FY 2010  
(Dollars in thousands)

Rank	Institution	All federal R&D expenditures	DOD	DOE	HHS	NASA	NSF	USDA	Other <sup>a</sup>
728	U. SC Upstate	15	0 i	0 i	4 i	0 i	0 i	0 i	11 i
729	IN U. Southeast	12	0	0	0	0	0	12	0
730	SUNY C. of A&T Morrisville	11	0	0	0	11	0	0	0
731	Midwestern State U.	10	0	0	0	0	10	0	0
732	Jacksonville U.	9	0	0	0	0	9	0	0
733	Marist C.	8	0 i	0 i	0 i	0 i	7 i	0 i	1 i
734	U. MN Rochester	3	0	0	3	0	0	0	0

i = imputed.

DOD = Department of Defense; DOE = Department of Energy; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; NSF = National Science Foundation; USDA = U.S. Department of Agriculture.

<sup>a</sup> Includes all other agencies reported.

<sup>b</sup> The Johns Hopkins University includes Applied Physics Laboratory, with \$1,019,375 in federally financed R&D expenditures in FY 2010.

NOTES: Agency specific rankings available upon request. Institutions reporting zero federal expenditures for FY 2010 are not listed in this table. Tied institutions are ranked alphabetically. Institutions ranked are geographically separate campuses headed by a campus-level president or chancellor. Some campuses are part of large multicampus universities; some are part of state university systems. For complete listing of campuses that belong to a larger university or system and their aggregate R&D expenditures, see table C-2.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE 19. Higher education R&D expenditures at historically black colleges and universities, ranked by all R&D expenditures, by source of funds:  
FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
	All HBCUs	579,596	475,051	34,194	7,710	5,978	50,430	6,233
1	FL A&M U.	53,474	45,856	5,576	2,042	NA	0	NA
2	Jackson State U.	44,862	39,457	0	0	1,155	4,250	0
3	Howard U.	40,080	33,017	142	938	1,310	4,673	0
4	NC Agricultural and Technical State U.	35,297	23,883	105	62	53	11,190	4
5	U. of the VI	32,350	28,369	1,887	0	0	0	2,094
6	AL A&M U.	30,497	22,154	1,601	330	180	4,988	1,244
7	Morehouse School of Medicine	30,385 i	26,559 i	602 i	1,033 i	33 i	2,158 i	0 i
8	Meharry Medical C.	27,001	24,302	0	0	1,545	1,154	0
9	AL State U.	16,340	13,340	0	0	0	3,000	0
10	Tuskegee U.	15,581	12,309	1,620	0	0	245	1,407
11	DE State U.	15,200	10,154	428	41	36	4,541	0
12	Hampton U.	14,455	14,455	0	0	0	0	NA
13	Morgan State U.	12,804	10,039	1,328	1,253	184	0	0
14	Prairie View A&M U.	12,565	8,623	2,986	126	27	799	4
15	TN State U.	12,432	7,414	793	592	33	3,600	0
16	Fayetteville State U.	11,865	10,844	676	1	344	0	0
17	Alcorn State U.	10,280	9,256	0	50	0	974	0
18	U. MD Eastern Shore	8,692	8,583	87	0	2	0	20
19	Clark Atlanta U.	8,515	7,229	18	134	68	1,066	0
20	Lincoln U. (Jefferson City, MO)	8,475	5,984	2,491	0	0	0	0
21	Dillard U.	8,425	7,096	1,329	0	0	0	0
22	U. AR Pine Bluff	8,343	3,947	279	0	110	4,007	0
23	Xavier U. LA	8,029	5,669	1,465	0	284	611	0
24	Morehouse C.	7,857	7,857	0	0	0	0	NA
25	Fisk U.	7,700	7,686	0	0	0	14	0
26	VA State U.	7,466	5,552	72	5	71	1,761	5
27	SC State U.	7,167	6,334	308	346	179	0	NA
28	TX Southern U.	7,003	5,240	1,551	0	212	0	NA
29	NC Central U.	6,870	6,870	NA	NA	NA	0	NA
30	Southern U. Baton Rouge	6,865	5,920	NA	0	0	0	945
31	Norfolk State U.	5,944	5,413	21	NA	NA	0	510
32	Elizabeth City State U.	5,576	5,552	14	0	10	0	0
33	Ft. Valley State U.	5,310	4,586	0	0	0	724	0
34	U. DC	5,012	1,946	3,066	0	0	0	0
35	KY State U.	4,912	3,501	1,341	0	58	12	0
36	Langston U.	4,492	3,313	1,179	0	0	0	0
37	WV State U.	3,770	2,759	1,011	0	0	0	0
38	Shaw U.	3,600 i	3,159 i	169 i	0 i	0 i	272 i	0 i
39	Claffin U.	3,252	3,226	15	11	0	0	0
40	Central State U.	3,233	2,544	227	462	0	0	0
41	Spelman C.	3,181	2,740	0	280	0	161	0
42	Tougaloo C.	2,978	2,978	0	0	0	0	0
43	Savannah State U.	1,874	1,774	86	0	14	0	0
44	Benedict C.	1,533	1,473	60	0	0	0	0
45	Lincoln U. of the Commonwealth of PA	1,425	1,114	307	4	0	0	0
46	MS Valley State U.	1,029	993	NA	NA	NA	36	NA
47	Grambling State U.	993	993	0	0	0	0	0
48	Wilberforce U.	760	737	0	0	23	0	0
49	Albany State U.	740	396	344	0	0	0	0

TABLE 19. Higher education R&D expenditures at historically black colleges and universities, ranked by all R&D expenditures, by source of funds:  
FY 2010

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
50	Cheyney U. PA	725	255	470	0	0	0	0
51	Le Moyne-Owen C.	708	610	98	0	0	0	0
52	Wiley C.	575	362	198	0	15	0	0
53	U. VA's C. Wise, The	481	76	244	0	0	161	0
54	Southern U. New Orleans	402	369	0	0	0	33	0
55	Jarvis Christian C.	216	184	0	0	32	0	0

i = imputed. NA = not available; data were not provided by institution.

HBCUs = historically black colleges and universities.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE 20. Higher education R&D expenditures at high-Hispanic-enrollment institutions, ranked by all R&D expenditures, by source of funds: FY 2010  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
	All HHE institutions	1,203,999	744,926	106,316	45,634	57,417	238,023	11,683
1	U. NM	211,771	148,216	5,601	3,776	3,462	49,850	866
2	U. TX Health Science Ctr. San Antonio	207,115	121,723	6,949	15,499	20,181	42,763	0
3	NM State U.	157,872	98,399	17,937	7,745	267	25,110	8,414
4	FL International U.	110,271	62,580	6,617	1,330	6,081	33,449	214
5	U. TX El Paso	68,870	34,617	13,726	1,017	8,459	11,051	0
6	U. TX San Antonio	56,279	28,717	12,431	453	4,361	10,317	0
7	CUNY The City C.	46,699	32,900	4,751	6,126	NA	2,922	NA
8	U. PR Medical Sciences Campus	39,134	29,813	1,045	2,346	NA	5,930	0
9	U. PR Rio Piedras	30,515	21,717	123	16	20	8,373	266
10	CA State U., Northridge	29,469	17,213	6,685	119	331	5,111	10
11	U. PR Mayaguez	26,475	12,735	726	1,555	2,615	8,811	33
12	Charles R. Drew U. of Medicine and Science	22,152	20,430	NA	NA	NA	1,722	NA
13	CA State U., Fullerton	21,776	13,651	2,636	333	1,091	4,065	0
14	U. CA, Merced	21,591	9,392	6,589	181	487	3,819	1,123
15	TX A&M U.-Kingsville	17,378	7,088	4,548	487	2,504	2,751	0
16	TX A&M U.-Corpus Christi	17,266	7,869	3,885	119	2,703	2,634	56
17	CA State U., Long Beach	15,494	12,731	1,358	1,048	341	16	0
18	Nova Southeastern U.	10,116	5,718	666	891	365	2,476	0
19	CA State U., Fresno	8,698	3,424	2,743	208	381	1,942	0
20	U. TX Pan American	8,693	5,544	1,725	376	574	474	0
21	CA State U., Los Angeles	7,714	7,234	193	0	160	127	0
22	Universidad Central del Caribe	7,122	6,504	31	0	0	587	0
23	U. TX Brownsville	6,886	5,640	737	0	40	469	0
24	Universidad del Turabo	6,620	691	0	0	0	5,929	0
25	CA State Polytechnic U., Pomona	6,493	2,563	844	487	186	2,413	0
26	CUNY John Jay C. of Criminal Justice	5,916	3,418	52	0	1,790	656	0
27	CA State U., Monterey Bay	5,305	3,167	1,551	0	146	441	0
28	CUNY Herbert H. Lehman C.	3,579 i	2,750 i	5 i	558 i	0 i	266 i	0 i
29	Sul Ross State U.	3,039	1,595	537	41	362	504	0
30	CA State U., Dominguez Hills	2,743	2,658	64	19	2	0	0
31	TX A&M International U.	2,428	1,623	164	0	368	247	26
32	U. PR Humacao	2,161 i	2,144 i	0 i	0 i	0 i	17 i	0 i
33	CA State U., Bakersfield	2,083	637	936	158	93	259	0
34	Universidad Metropolitana	1,888	1,282	0	0	0	606	0
35	CA State U., San Bernardino	1,851	1,412	151	154	13	89	32
36	NM Highlands U.	1,529	970	59	500	0	0	0
37	U. TX of the Permian Basin	1,417	677	1	0	0	96	643
38	Universidad del Este	1,372	1,139	0	0	0	233	0
39	U. Houston-Downtown	1,013	908	6	79	0	20	0
40	U. PR Cayey	927	710	0	0	0	217	0
41	Barry U.	897	897	0	0	0	0	0
42	Northeastern IL U.	711	448	0	0	19	244	0
43	Mt. St. Mary's C. (Los Angeles, CA)	647	647	0	0	0	0	0
44	St. Mary's U. (San Antonio, TX)	495	20	0	0	0	475	0
45	U. VA's C. Wise, The	481	76	244	0	0	161	0

TABLE 20. Higher education R&D expenditures at high-Hispanic-enrollment institutions, ranked by all R&D expenditures, by source of funds: FY 2010  
(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
46	Mercy C.	464	426	0	0	6	32	0
47	CUNY New York City C. of Technology	231	81	0	13	9	128	0
48	NJ City U.	188	132	0	0	0	56	0
49	Carlos Albizu U. (San Juan, PR)	165	0	0	0	0	165	0

i = imputed. NA = not available; data were not provided by institution.

HHE = high Hispanic enrollment.

NOTE: HHE institutions are those whose undergraduate, full-time equivalent student enrollment is at least 25% Hispanic, according to fall 2008 data in Integrated Postsecondary Education Data System, directed by National Center for Education Statistics.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE 21. Total and federally financed higher education R&D expenditures in the computer sciences, ranked by total computer sciences R&D: FY 2010

(Dollars in thousands)

Rank	Institution	Total	Federally financed
	All institutions	1,657,636	1,174,800
1	U. Southern CA	108,260	89,421
2	Carnegie Mellon U.	88,530	76,560
3	Johns Hopkins U., The <sup>a</sup>	87,537	80,791
4	GA Institute of Technology	71,484	48,200
5	U. IL Urbana-Champaign	67,572	45,628
6	U. TX Austin	51,974	47,070
7	MA Institute of Technology	48,589	35,458
8	PA State U. University Park and Hershey Medical Ctr.	44,352	34,707
9	U. CA, San Diego	36,571	14,138
10	U. MD College Park	35,908	22,960
11	U. Chicago	33,851	32,509
12	OR Health & Science U.	33,183	26,752
13	OH State U.	32,490	7,942
14	U. HI Manoa	31,958	30,415
15	U. UT	23,124	14,704
16	U. WI-Madison	21,701	16,084
17	U. TN Knoxville	21,552	17,432
18	Stanford U.	18,946	14,144
19	U. MA Amherst	18,841	10,374
20	Northwestern U.	18,799	0
21	IN U. Bloomington	18,453	7,590
22	Cornell U.	17,374	13,589
23	U. AL Huntsville, The	16,962	16,916
24	Columbia U. in the City of New York	16,868	11,573
25	U. CA, Los Angeles	16,340	11,663
26	U. AK Fairbanks	15,561	14,925
27	U. NC Chapel Hill	14,154	11,133
28	U. PA	13,964	11,970
29	SUNY Buffalo	12,985	6,073
30	U. MN Twin Cities	12,856	7,781
31	U. CA, Irvine	12,770	8,278
32	Naval Postgraduate School	12,697	12,561
33	Purdue U. main campus	12,300	8,546
34	U. IL Chicago	11,414	6,624
35	VA Polytechnic Institute and State U.	11,054	3,619
36	Brown U.	10,969	5,624
37	Princeton U.	10,949	7,139
38	TX A&M U.	10,511	5,097
39	MS State U.	10,339	6,441
40	Rice U.	10,184	8,703
41	CA Institute of Technology	9,072	8,631
42	AZ State U.	9,036	6,898
43	George Mason U.	8,980	8,313
44	U. CA, Davis	8,840	6,976
45	U. LA Lafayette	8,597	1,285
46	U. Houston	8,465	5,389
47	U. AZ	8,445	6,903
48	U. TX Dallas	8,148	3,648
49	IA State U.	7,772	4,359
50	U. NC Charlotte	7,519	3,458

TABLE 21. Total and federally financed higher education R&D expenditures in the computer sciences, ranked by total computer sciences R&D: FY 2010

(Dollars in thousands)

Rank	Institution	Total	Federally financed
51	Rutgers, the State U. NJ-New Brunswick	7,429	4,432
52	NC State U.	7,313	5,201
53	FL State U.	7,142	5,306
54	U. CA, Santa Barbara	7,097	4,690
55	U. CO Boulder	7,069	6,315
56	NY U.	6,940	5,014
57	U. TX San Antonio	6,939	5,466
58	Rockefeller U.	6,922	0
59	U. NE-Lincoln	6,862	4,445
60	FL International U.	6,644	4,164
61	U. WA Seattle	6,642	1,807
62	SUNY Stony Brook	6,451	5,589
63	U. Pittsburgh main campus	6,408	3,775
64	U. OR	6,383	5,796
65	U. VA main campus	6,298	5,201
66	U. AL, The	6,113	3,000
67	U. MD Baltimore County	6,073	4,889
68	U. FL	5,930	4,818
69	Wright State U.	5,912	1,159
70	Washington U. St. Louis	5,835	3,306
71	U. MI-Ann Arbor	5,713	4,144
72	NJ Institute of Technology	5,703	1,846
73	Duke U.	5,608	4,776
74	MI State U.	5,477	3,324
75	Yale U.	5,196	4,154
76	U. TX El Paso	5,073	3,679
77	Air Force Institute of Technology	4,832	1,995
78	Rensselaer Polytechnic Institute	4,768	3,719
79	U. DE	4,686	3,766
80	U. of Notre Dame	4,287	2,470
81	U. Memphis, The	4,236	1,737
82	U. KY	4,209	2,318
83	U. CA, Santa Cruz	4,003	2,052
84	Drexel U.	3,895	2,628
85	WA State U.	3,879	2,029
86	U.S. Military Academy	3,858 i	3,854 i
87	George Washington U.	3,830	2,683
88	Clemson U.	3,775	1,737
89	U. Tulsa	3,727	3,404
90	U. CA, Riverside	3,650	2,926
91	U. CT	3,647	2,821
92	LA Tech U.	3,621	1,662
93	Northeastern U.	3,542	3,078
94	LA State U. and A&M C.	3,527	1,635
95	SUNY Binghamton	3,503	1,083
96	Syracuse U.	3,493	1,218
97	TX Tech U.	3,490	700
98	ND State U.	3,426	2,733
99	U. NM	3,190	2,753
100	U. TX Arlington	3,143	1,957

TABLE 21. Total and federally financed higher education R&D expenditures in the computer sciences, ranked by total computer sciences R&D: FY 2010

(Dollars in thousands)

Rank	Institution	Total	Federally financed
101	Old Dominion U.	2,961	878
102	CO State U.	2,889	2,404
103	SUNY Albany	2,833	1,472
104	Dartmouth C.	2,738	1,870
105	U. MA Lowell	2,696	1,388
106	U. Rochester	2,669	1,942
107	Portland State U.	2,634	2,245
108	U. NE Omaha	2,603	2,113
109	OR State U.	2,563	2,486
110	IL Institute of Technology	2,458	1,798
111	Boston U.	2,413	2,143
112	U. SC Columbia	2,400	2,400
113	Worcester Polytechnic Institute	2,269	2,098
114	U. West FL	2,233	1,374
115	U. New Orleans	2,230	747
116	U. MA Boston	2,188	1,703
117	U. AR Little Rock	2,185	1,571
118	Lehigh U.	2,170	2,031
119	Wayne State U.	2,145	1,139
120	KS State U.	2,067	1,232
121	Tufts U.	2,031	1,837
122	NC Agricultural and Technical State U.	2,008	2,001
123	U. South FL	1,988	1,235
124	Stevens Institute of Technology	1,925	1,766
125	OK State U. main campus	1,897	693
126	U. OK	1,891	932
127	U. NV, Reno	1,832	1,236
128	Temple U.	1,796	1,399
129	UT State U.	1,780	937
130	U. NV, Las Vegas	1,760	975
131	U. North TX	1,755	1,378
132	Monmouth U.	1,690	1,690
133	U. CA Office of the President	1,649	0
134	U. ME	1,583	101
135	San Diego State U.	1,484	810
136	MI Technological U.	1,483	216
137	U. GA	1,414	941
138	Norfolk State U.	1,375	1,375
139	C. of William and Mary and VA Institute of Marine Science	1,368	1,204
140	Rochester Institute of Technology	1,349	901
141	FL Atlantic U.	1,330	350
142	Brandeis U.	1,289	1,273
143	U. IA	1,268	1,097
144	FL Institute of Technology	1,191	872
145	Boise State U.	1,152	1,106
146	U.S. Air Force Academy	1,063	142
147	U. MO-Kansas City	1,051	792
148	Oakland U.	1,018	324
149	CUNY Brooklyn C.	1,008	758
150	U. MO-Columbia	972	799



TABLE 21. Total and federally financed higher education R&D expenditures in the computer sciences, ranked by total computer sciences R&D: FY 2010

(Dollars in thousands)

Rank	Institution	Total	Federally financed
151	FL A&M U.	960	877
152	Southern Methodist U.	957	652
153	Kent State U.	956	810
154	U. RI	903	777
155	Brigham Young U.	897	619
156	James Madison U.	894	860
157	MT State U. Bozeman	873	589
158	NM State U.	860	580
159	U. CO Colorado Springs	846	716
160	DePaul U.	827	682
161	MO U. of Science and Technology	785	631
162	GA State U.	754	544
163	NM Institute of Mining and Technology	752	455
164	U. WI-Milwaukee	749	246
165	Hope C.	721	698
166	IN U.-Purdue U. Indianapolis	715	228
167	U. ID	711	399
168	Pacific U.	682	554
169	U. Louisville	680	479
170	CA Polytechnic State U., San Luis Obispo	677	675
171	New School, The	659	659
172	Rutgers, the State U. NJ-Newark	656	512
173	U. TX Brownsville	632	623
174	Harvard U.	629	627
175	CUNY The City C.	605	605
176	SUNY Institute of Technology at Utica-Rome	596	596
177	Southern IL U. Edwardsville	569	144
178	U. TN Chattanooga	546	137
179	U. AL Birmingham, The	542	520
180	Southern IL U. Carbondale	539	151
181	Marist C.	525 i	7 i
182	Villanova U.	523 i	299 i
183	U. Central FL	521	254
184	CUNY Hunter C.	514	259
185	Wilberforce U.	513	513
186	TX A&M U.-Corpus Christi	511	368
187	Jackson State U.	503	484
188	Lamar U.	498	498
189	U. VT	487	209
190	Emory U.	483	0
191	U. Dayton	482	468
192	Howard U.	478	421
193	VA Commonwealth U.	446	331
194	Harvey Mudd C.	444	419
195	Williams C.	439	171
196	U. South AL	431	266
197	Smith C.	429	417
198	Ball State U.	428	102
199	U. MA Dartmouth	428	241
200	ID State U.	420	420

TABLE 21. Total and federally financed higher education R&D expenditures in the computer sciences, ranked by total computer sciences R&D: FY 2010

(Dollars in thousands)

Rank	Institution	Total	Federally financed
201	Towson U.	419	337
202	U. SD	385	245
203	San Francisco State U.	382	32
204	Baylor U.	378	1
205	U. MI-Dearborn	377	148
206	Sinte Gleska U.	368	368
207	American U.	367	4
208	U. Southern MS	353	339
209	CO School of Mines	341	341
210	LA State U. Shreveport	340	275
211	U. MS and U. MS Medical Ctr.	338	325
212	TX A&M U.-Commerce	335	305
213	C. Charleston	334	246
214	U. NH	327	294
215	Humboldt State U.	321	304
216	Loyola C.	320	320
217	U. AR main campus	320	14
218	WV U.	320	215
219	Armstrong Atlantic State U.	316	316
220	Southeastern LA U.	307	28
221	U. NC Greensboro	306	301
222	U. North FL	306	0
223	Wake Forest U.	306	199
224	U. KS	299	292
225	U. MT-Missoula, The	291	279
226	Vassar C.	285	285
227	DE State U.	281	281
228	U. Detroit Mercy	277	277
229	Montclair State U.	268	244
230	Trinity C. (Hartford, CT)	266	226
231	Spelman C.	264	264
232	U. Denver	260	188
233	Western MI U.	260	66
234	Boston C.	258 i	83
235	Northern IL U.	251	251
236	Bryn Mawr C.	248	100
237	CUNY John Jay C. of Criminal Justice	244	236
238	CUNY Herbert H. Lehman C.	237 i	223 i
239	Clark Atlanta U.	236	236
240	U. MN Duluth	235	189
241	U. Houston-Downtown	234	198
242	TX State U.-San Marcos	232	153
243	GA Southern U.	226	166
244	U. DC	220	110
245	U.S. Naval Academy	218	218
246	CUNY Medgar Evers C.	202	0
247	CUNY Queens C.	201	153
248	Fordham U.	201	0
249	Pace U.	196	140
250	Xavier U. LA	196	145

TABLE 21. Total and federally financed higher education R&D expenditures in the computer sciences, ranked by total computer sciences R&D: FY 2010

(Dollars in thousands)

Rank	Institution	Total	Federally financed
251	CA State U., Dominguez Hills	193	174
252	Teachers C., Columbia U.	192	58
253	Union C. (Schenectady, NY)	191	163
254	U. Southern ME	190	13
255	Case Western Reserve U.	188	183
256	Morgan State U.	186	186
257	Rutgers, the State U. NJ-Camden	183	183
258	Hofstra U.	182	182
259	Hampton U.	181	181
260	Embry-Riddle Aeronautical U.	180	102
261	U. Hartford	179	179
262	C. NJ, The	172	116
263	MS Valley State U.	172	172
264	Gonzaga U.	163	163
265	Oberlin C.	163	136
266	CA State U., Bakersfield	158	0
267	TX Southern U.	148	111
268	U. TX Pan American	148	141
269	Middle TN State U.	140	119
270	U. NC Wilmington	139	139
271	U. TX Tyler	135	110
272	Colgate U.	134	121
273	Macalester C.	133	61
274	La Salle U.	128	0
275	St. Joseph's U.	128	128
276	Central State U.	127	127
277	MN State U. Mankato	127	82
278	St. Cloud State U.	127	92
279	TN Technological U.	127	116
280	Millersville U. PA	121	115
281	U. CO Denver and Health Sciences Ctr.	116	116
282	Evergreen State C.	114	114
283	AR State U. main campus	107	91
284	Clarkson U.	105	66
285	Lafayette C.	105	103
286	Ursinus C.	105	105
287	Augustana C. (Sioux Falls, SD)	104	104
288	Middlebury C.	103	103
289	U. WY	102	101
290	CA State U., San Bernardino	101	101
291	CA State U., Sacramento	100	2
292	San Jose State U.	98	98
293	DePauw U.	95	76
294	Trinity U.	95	89
295	Auburn U. main campus	94	1
296	CA State U., San Marcos	91	91
297	CT C.	89	57
298	Western IL U.	89	89
299	Southern U. Baton Rouge	87	28
300	Colby C.	85	61

TABLE 21. Total and federally financed higher education R&D expenditures in the computer sciences, ranked by total computer sciences R&D: FY 2010

(Dollars in thousands)

Rank	Institution	Total	Federally financed
301	FL Gulf Coast U.	85	85
302	Creighton U.	82 i	40
303	East Carolina U.	81	81
304	Hamilton C.	81	65
305	Purdue U. Calumet	77	50
306	Lewis & Clark C.	75	75
307	VA State U.	74	58
308	Pomona C.	73	65
309	Loyola U. Chicago	70	63
310	SUNY New Paltz	70	70
311	West Chester U. PA	70 i	70 i
312	U. WI-Parkside	68	65
313	KY State U.	67	39
314	U. Central AR	67	47
315	OH U.	66	26
316	William Paterson U. NJ	65	16
317	Central MI U.	61	43
318	U. Northern IA	60	53
319	SUNY C. Oswego	59	2
320	Appalachian State U.	56	56
321	C. Wooster	56	41
322	U. WI-Eau Claire	55	54
323	CUNY C. Staten Island	53	0
324	Willamette U.	53	13
325	SD State U.	52	52
326	Bradley U.	51	0
327	U. Akron	51	0
328	Sam Houston State U.	47	0
329	Canisius C.	46	46
330	Governors State U.	46	46
331	Murray State U.	46	0
332	Northern AZ U.	46	36
333	Prairie View A&M U.	46	42
334	Salish Kootenai C.	46	46
335	IL State U.	45	0
336	Bowdoin C.	43	43
337	Ithaca C.	43	33
338	Rose-Hulman Institute of Technology	43	14
339	U. Houston-Clear Lake	42	10
340	U. WI-Oshkosh	42	42
341	St. Louis U.	41	0
342	Morehead State U.	40	2
343	St. Olaf C.	40	34
344	Benedict C.	39	39
345	Carleton C.	37	37
346	TN State U.	37	37
347	IN U. South Bend	36	27
348	Grinnell C.	34	0
349	Kennesaw State U.	34	34
350	U. ND	34	12

TABLE 21. Total and federally financed higher education R&D expenditures in the computer sciences, ranked by total computer sciences R&D: FY 2010

(Dollars in thousands)

Rank	Institution	Total	Federally financed
351	Dillard U.	33	0
352	MT Tech of the U. MT	33	33
353	Georgetown U.	32	32
354	Haverford C.	32 i	31
355	CA State U., Long Beach	30	0
356	Seattle U.	30 i	0 i
357	U. Miami	30	29
358	Radford U.	29	0
359	CA State U., East Bay	28	0
360	CUNY New York City C. of Technology	28	12
361	U. Central OK	28	20
362	Morehouse C.	27	27
363	St. John's U. (Collegeville, MN)	27	0
364	WV State U.	26	26
365	Rowan U.	25	25
366	Wellesley C.	25	25
367	SD School of Mines and Technology	24	24
368	Calvin C.	23	11
369	Chapman U.	23	23
370	U. AK Southeast	22	21
371	Loyola Marymount U.	21	21
372	PA State U. Erie, The Behrend C.	21	0
373	Bowling Green State U.	20	0
374	U. MN Morris	20	0
375	Cleveland State U.	19	0
376	Northern KY U.	17	9
377	U. NE Kearney	17	0
378	Bucknell U.	16	16
379	IN U.-Purdue U. Ft. Wayne	16	0
380	Simmons C.	16	16
381	Eastern WA U.	15	0
382	Lawrence Technological U.	15	15
383	Southern Polytechnic State U.	15	15
384	Abilene Christian U.	14	0
385	CO State U. Pueblo	14	14
386	PA State U. Altoona	14	0
387	U. Portland	14	12
388	U. WI-Stout	14	14
389	Furman U.	12	2
390	Mesa State C.	12	12
391	Swarthmore C.	12	0
392	Central CT State U.	11	0
393	Southwestern OK State U.	11	0
394	U. of the Pacific	11	11
395	U. IL Springfield	10	10
396	U. SC Beaufort	10 i	2 i
397	CA State U., Fullerton	9	0
398	Dowling C.	9	9
399	Mt. Holyoke C.	9	0
400	Santa Clara U.	9	9

TABLE 21. Total and federally financed higher education R&D expenditures in the computer sciences, ranked by total computer sciences R&D: FY 2010

(Dollars in thousands)

Rank	Institution	Total	Federally financed
401	Allegheny C.	8	0
402	CUNY Baruch C.	8	0
403	Eckerd C.	8	8
404	Tarleton State U.	8	0
405	U. Puget Sound	8	0
406	Weber State U.	8	8
407	SUNY C. Geneseo	7	0
408	U. West GA	7	7
409	U. WI-Green Bay	7	0
410	Gettysburg C.	6	0
411	Stephen F. Austin State U.	6	0
412	U. Richmond	6	5
413	U. San Francisco	6	6
414	CUNY Graduate Ctr.	4	0
415	PA State U. Beaver	4	0
416	St. Bonaventure U.	4	0
417	U. PR Rio Piedras	4	0
418	Drake U.	3	0
419	Luther C.	3	0
420	Mercy C.	3	0
421	NJ City U.	3	0
422	PA State U. Harrisburg	3	0
423	Southern OR U.	3	3
424	U. SC Aiken	3 i	2 i
425	Kalamazoo C.	2	0
426	TX A&M U. System Health Science Ctr.	2	0
427	Truman State U.	2	0
428	Western Carolina U.	2	2
429	Winona State U.	2	0
430	Amherst C.	1	1
431	Augustana C. (Rock Island, IL)	1	0
432	Indiana U. PA	1	0
433	Midwestern State U.	1	0
434	Plymouth State U.	1 i	0 i
435	U. SC Upstate	1 i	0 i
436	U. WI-Stevens Point	1	0

i = imputed.

<sup>a</sup> The Johns Hopkins University includes Applied Physics Laboratory, with \$85,391 in total and \$78,874 in federally financed R&D expenditures in computer sciences in FY 2010.

NOTES: Institutions reporting zero expenditures in ranked total for FY 2010 are not listed in this table. Tied institutions are ranked alphabetically. Institutions ranked are geographically separate campuses headed by a campus-level president or chancellor. Some campuses are part of large multicampus universities; some are part of state university systems. For complete listing of campuses that belong to a larger university or system and their aggregate R&D expenditures, see table C-2.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE 22. Total and federally financed higher education R&D expenditures in the environmental sciences, ranked by all environmental sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec	All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
	All institutions	2,990,077	428,269	1,085,226	1,021,880	454,702	2,014,234	338,464	735,912	666,936	272,922
1	U. CA, San Diego	149,403	14,065	36,008	99,325	5	93,173	6,458	16,714	70,001	0
2	U. WA Seattle	145,142	24,053	6,927	57,497	56,665	130,006	21,600	6,587	48,253	53,566
3	Woods Hole Oceanographic Institution	133,864	0	0	133,864	0	112,191	0	0	112,191	0
4	TX A&M U.	129,023	4,565	8,873	104,044	11,541	79,276	3,366	3,140	69,489	3,281
5	CO State U.	103,785	35,390	68,395	0	0	87,114	30,519	56,595	0	0
6	U. CO Boulder	84,906	28,224	49,968	276	6,438	76,190	25,480	44,924	252	5,534
7	U. HI Manoa	84,708	1,701	13,358	65,266	4,383	55,850	1,084	10,076	43,530	1,160
8	U. TX Austin	78,491	0	57,375	18,350	2,766	35,219	0	23,923	9,369	1,927
9	Columbia U. in the City of New York	72,371	16,447	55,924	0	0	64,159	14,073	50,086	0	0
10	U. AK Fairbanks	56,982	7,075	23,260	17,896	8,751	42,673	6,071	21,483	10,024	5,095
11	PA State U. University Park and Hershey Medical Ctr.	56,043	21,555	25,482	9,006	0	32,147	12,049	13,988	6,110	0
12	U. NH	54,805	27,568	10,757	16,480	0	49,137	27,004	9,455	12,678	0
13	U. Miami	51,421	36,205	0	11,801	3,415	44,889	32,173	0	9,859	2,857
14	Johns Hopkins U., The <sup>a</sup>	50,844	9,883 i	2,770 i	14,911 i	23,280 i	47,373	9,177 i	2,580 i	14,679 i	20,937 i
15	OR State U.	46,152	2,274	4,437	16,266	23,175	35,872	1,894	3,732	11,194	19,052
16	U. WI-Madison	46,004	29,346	7,298	3,020	6,340	32,910	24,370	4,408	285	3,847
17	U. MD Ctr. for Environmental Science	42,670	0	4,457	38,213	0	12,123	0	1,037	11,086	0
18	MA Institute of Technology	39,530	7,489	13,489	6,617	11,935	32,531	6,647	11,163	6,246	8,475
19	U. OK	39,382	24,747	14,635	0	0	16,098	15,422	676	0	0
20	U. RI	38,217	157	3,573	33,767	720	27,304	134	2,336	24,308	526
21	U. MD Baltimore County	33,871	0	33,871	0	0	30,489	0	30,489	0	0
22	Desert Research Institute	32,919	8,484	24,435	0	0	26,953	5,754	21,199	0	0
23	LA State U. and A&M C.	31,364	0	3,732	22,564	5,068	10,442	0	866	7,994	1,582
24	U. NC Chapel Hill	30,769	0	20,620	7,714	2,435	18,913	0	11,865	4,666	2,382
25	C. of William and Mary and VA Institute of Marine Science	30,487	0	511	29,909	67	12,529	0	444	12,047	38
26	U. CA, Davis	29,381	3,412	4,712	4,469	16,788	8,176	2,176	2,724	1,296	1,980
27	SUNY Stony Brook	28,585	540	7,593	20,416	36	14,476	0	6,205	8,271	0
28	Rutgers, the State U. NJ-New Brunswick	28,401	2,609	1,124	18,291	6,377	15,604	1,846	720	11,107	1,931
29	U. AZ	26,654	3,155	17,944	0	5,555	12,492	1,826	9,199	0	1,467
30	Stanford U.	26,391	0	7,919	5,087	13,385	7,174	0	6,142	750	282
31	U. CA, Santa Barbara	24,882	0	12,742	11,801	339	12,213	0	8,410	3,798	5
32	Princeton U.	24,354	6,623	6,292	0	11,439	13,950	5,474	4,154	0	4,322
33	U. SC Columbia	22,249	0	15,558	6,691	0	19,463	0	13,359	6,104	0
34	Harvard U.	21,905	685	3,848	0	17,372	20,776	685	3,373	0	16,718

TABLE 22. Total and federally financed higher education R&amp;D expenditures in the environmental sciences, ranked by all environmental sciences R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec	All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
35	FL State U.	20,286	7,961	3,691	5,968	2,666	13,527	6,808	2,048	4,348	323
36	U. ME	19,730	0	6,452	13,278	0	11,038	0	3,208	7,830	0
37	U. CA, Santa Cruz	19,531	0	5,247	12,404	1,880	10,405	0	3,779	5,290	1,336
38	U. MD College Park	19,341	3,667	15,674	0	0	15,847	3,420	12,427	0	0
39	AZ State U.	19,221	0	19,221	0	0	17,420	0	17,420	0	0
40	Duke U.	18,074	0	2,909	7,351	7,814	9,076	0	2,550	1,841	4,685
41	U. Southern CA	18,060	105	13,519	4,004	432	13,090	95	9,792	2,858	345
42	U. DE	17,191	0	1,439	14,953	799	12,095	0	911	10,742	442
43	U. KS	16,358	108	16,195	0	55	7,104	49	7,055	0	0
44	Cornell U.	16,118	0	6,927	44	9,147	7,846	0	4,557	36	3,253
45	U. South FL	16,093	0	2,195	13,898	0	10,395	0	1,483	8,912	0
46	U. NV, Reno	15,699	99	11,997	79	3,524	9,425	92	6,230	66	3,037
47	U. WY	15,655	4,267	4,034	0	7,354	13,208	3,921	3,235	0	6,052
48	CA Institute of Technology	15,592	0	15,592	0	0	14,310	0	14,310	0	0
49	Naval Postgraduate School	15,320	5,141	0	10,179	0	14,905	4,920	0	9,985	0
50	NC State U.	14,974	0	0	2,493	12,481	5,043	0	0	666	4,377
51	GA Institute of Technology	14,800	12,072	760	0	1,968	9,356	8,125	267	0	964
52	TX Tech U.	14,800	180	2,070	0	12,550	5,300	0	570	0	4,730
53	U. MN Duluth	14,533	0	232	2,858	11,443	3,537	0	122	1,749	1,666
54	U. Southern MS	13,824	0	1,303	12,521	0	12,374	0	1,274	11,100	0
55	U. CA, Los Angeles	13,668	4,789	7,084	0	1,795	9,571	3,919	4,528	0	1,124
56	U. MI-Ann Arbor	13,228	0	13,228	0	0	7,509	0	7,509	0	0
57	San Jose State U.	13,126	612	189	12,324	1	4,034	540	175	3,319	0
58	U. Central FL	12,819	12,819	0	0	0	7,388	7,388	0	0	0
59	U. CA, Berkeley	12,582	28	12,554	0	0	8,190	0	8,190	0	0
60	U. NV, Las Vegas	11,970	0	11,530	0	440	8,922	0	8,799	0	123
61	U. Pittsburgh main campus	11,947	0	2,096	0	9,851	9,835	0	1,342	0	8,493
62	U. MA Dartmouth	11,751	0	0	11,751	0	6,693	0	0	6,693	0
63	U. ND	11,730	5,248	5,993	0	489	10,341	4,266	5,778	0	297
64	U. GA	11,653	0	2,750	8,903	0	5,293	0	367	4,926	0
65	MI Technological U.	11,608	0	1,124	0	10,484	7,416	0	679	0	6,737
66	MI State U.	11,527	0	11,527	0	0	10,135	0	10,135	0	0
67	U. MN Twin Cities	11,213	0	9,511	0	1,702	5,102	0	4,863	0	239
68	U. UT	11,029	3,570	7,459	0	0	5,964	3,244	2,720	0	0
69	Stevens Institute of Technology	10,244	0	0	8,290	1,954	7,654	0	0	6,602	1,052
70	U. CA, Riverside	10,067	1,097	2,419	0	6,551	3,595	428	1,752	0	1,415



TABLE 22. Total and federally financed higher education R&D expenditures in the environmental sciences, ranked by all environmental sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec	All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
71	Brown U.	9,932	330	7,495	46	2,061	5,939	247	4,544	2	1,146
72	OH State U.	9,742	0	9,742	0	0	6,295	0	6,295	0	0
73	U. FL	9,291	0	5,266	3,395	630	5,578	0	3,241	2,309	28
74	U. WI-Milwaukee	9,010	351	485	5,995	2,179	3,824	0	156	1,851	1,817
75	U. CT	8,739	0	38	8,701	0	5,140	0	0	5,140	0
76	U. NC Wilmington	8,378	0	156	8,222	0	5,852	0	121	5,731	0
77	VA Polytechnic Institute and State U.	8,322	0	7,972	0	350	4,008	0	3,859	0	149
78	TX A&M U.-Corpus Christi	8,061	73	53	6,897	1,038	2,615	71	0	1,987	557
79	SUNY C. of Environmental Science and Forestry	8,002	0	0	0	8,002	1,906	0	0	0	1,906
80	U. CA, Irvine	7,960	1,037	0	0	6,923	6,362	681	0	0	5,681
81	NM Institute of Mining and Technology	7,926	0	7,926	0	0	6,977	0	6,977	0	0
82	MS State U.	7,879	2,926	2,295	2,658	0	5,755	2,465	1,248	2,042	0
83	Washington U. St. Louis	7,787	0	5,614	0	2,173	5,522	0	3,949	0	1,573
84	Boston C.	7,649 i	0 i	655 i	0 i	6,994 i	7,458	0	515	0	6,943
85	CO School of Mines	7,642	0	7,642	0	0	2,225	0	2,225	0	0
86	U. Houston	7,552	173	7,379	0	0	1,607	0	1,607	0	0
87	U. TN Knoxville	7,415	0	2,493	0	4,922	5,165	0	2,041	0	3,124
88	George Mason U.	7,217	1,792	5,222	203	0	6,506	1,500	4,803	203	0
89	U. AL Huntsville, The	7,211	6,661	532	0	18	7,097	6,568	529	0	0
90	U. IL Urbana-Champaign	7,174	3,433	3,496	0	245	4,892	3,007	1,835	0	50
91	WV U.	7,096	0	7,096	0	0	4,418	0	4,418	0	0
92	U. PR Mayaguez	7,092	0	1,003	6,089	0	4,499	0	787	3,712	0
93	Old Dominion U.	7,012	0	0	7,012	0	3,353	0	0	3,353	0
94	IA State U.	6,870	0	6,870	0	0	3,708	0	3,708	0	0
95	U. MS and U. MS Medical Ctr.	6,449	0	644	5,805	0	5,858	0	614	5,244	0
96	Purdue U. main campus	6,430	4,257	2,130	0	43	5,318	3,547	1,771	0	0
97	U. Chicago	6,419	0	6,419	0	0	5,545	0	5,545	0	0
98	SUNY Albany	6,137	4,450	1,687	0	0	2,983	1,485	1,498	0	0
99	Northern AZ U.	5,919	159	3,084	0	2,676	2,129	40	2,068	0	21
100	C. Charleston	5,830	0	3,609	2,221	0	5,760	0	3,539	2,221	0
101	WA State U.	5,768	1,305	1,837	374	2,252	3,358	1,040	915	143	1,260
102	U. NM	5,651	483	4,993	0	175	4,677	480	4,022	0	175
103	U. NE-Lincoln	5,305	0	5,305	0	0	3,487	0	3,487	0	0
104	U. KY	5,304	0	5,304	0	0	1,787	0	1,787	0	0
105	San Francisco State U.	5,179	6	834	4,339	0	2,100	0	526	1,574	0

TABLE 22. Total and federally financed higher education R&amp;D expenditures in the environmental sciences, ranked by all environmental sciences R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec	All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
106	Portland State U.	4,852	0	2,656	0	2,196	3,021	0	2,223	0	798
107	FL International U.	4,830	4,528	302	0	0	1,451	1,305	146	0	0
108	Nova Southeastern U.	4,771	0	0	4,771	0	3,387	0	0	3,387	0
109	U. ID	4,756	504	3,237	0	1,015	2,766	450	1,545	0	771
110	SD State U.	4,670	0	4,670	0	0	3,367	0	3,367	0	0
111	U. TX El Paso	4,652	0	3,964	0	688	2,414	0	1,842	0	572
112	U. MA Boston	4,634	0	69	4,030	535	1,586	0	0	1,532	54
113	Boston U.	4,578	0	2,176	0	2,402	4,235	0	1,993	0	2,242
114	TX State U.-San Marcos	4,477	0	4,236	0	241	2,307	0	2,066	0	241
115	U. MA Amherst	4,252	0	3,203	0	1,049	2,002	0	1,739	0	263
116	OK State U. main campus	4,191	0	3,640	0	551	378	0	378	0	0
117	Southern Methodist U.	4,176	0	4,176	0	0	3,795	0	3,795	0	0
118	U. Memphis, The	4,166	0	4,166	0	0	1,693	0	1,693	0	0
119	Yale U.	4,068	891	2,966	82	129	3,081	677	2,249	60	95
120	U. Toledo	4,021	121	3,192	22	686	2,920	121	2,155	0	644
121	U. MA Lowell	4,002	0	4,002	0	0	2,502	0	2,502	0	0
122	U. WI-Stevens Point	3,971	0	577	916	2,478	2,974	0	455	344	2,175
123	CA State U., Monterey Bay	3,903	3	3,451	449	0	2,391	0	2,125	266	0
124	U. OR	3,792	0	2,677	782	333	2,948	0	2,443	505	0
125	U. PR Rio Piedras	3,574	0	0	0	3,574	2,001	0	0	0	2,001
126	U. New Orleans	3,550	0	2,031	0	1,519	2,920	0	1,503	0	1,417
127	Central WA U.	3,395	0	2,980	0	415	3,123	0	2,813	0	310
128	San Diego State U.	3,330	0	1,882	1,448	0	1,840	0	1,371	469	0
129	Hampton U.	3,289	2,347	0	521	421	3,289	2,347	0	521	421
130	UT State U.	3,272	3,272	0	0	0	1,653	1,653	0	0	0
131	CUNY Hunter C.	3,236	0	3,236	0	0	288	0	288	0	0
132	IN U. Bloomington	3,181	0	3,181	0	0	1,018	0	1,018	0	0
133	Tarleton State U.	3,128	0	0	0	3,128	0	0	0	0	0
134	Boise State U.	3,001	99	2,541	0	361	2,239	88	1,887	0	264
135	U. VA main campus	2,999	2,999	0	0	0	2,686	2,686	0	0	0
136	SUNY Buffalo	2,976	0	2,709	0	267	1,733	0	1,573	0	160
137	FL A&M U.	2,952	0	0	2,952	0	2,879	0	0	2,879	0
138	MT Tech of the U. MT	2,915	78	2,837	0	0	1,310	26	1,284	0	0
139	CA Polytechnic State U., San Luis Obispo	2,902	0	0	2,727	175	1,185	0	0	1,185	0
140	Southern U. Baton Rouge	2,854	0	0	0	2,854	2,667	0	0	0	2,667
141	Syracuse U.	2,843	0	2,843	0	0	1,512	0	1,512	0	0
142	U. IL Chicago	2,794	0	1,896	0	898	1,537	0	1,361	0	176

TABLE 22. Total and federally financed higher education R&amp;D expenditures in the environmental sciences, ranked by all environmental sciences R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec	All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
143	ID State U.	2,747	0	2,617	0	130	2,154	0	2,024	0	130
144	U. MD Eastern Shore	2,655	0	0	69	2,586	2,635	0	0	69	2,566
145	MT State U. Bozeman	2,653	0	2,321	0	332	1,731	0	1,418	0	313
146	Rice U.	2,640	0	2,640	0	0	2,131	0	2,131	0	0
147	Western WA U.	2,626	0	1,651	975	0	1,819	0	872	947	0
148	U. HI Hilo	2,576	388	243	1,386	559	1,663	308	121	775	459
149	Howard U.	2,549	0	0	2,549	0	1,811	0	0	1,811	0
150	James Madison U.	2,527	49	296	0	2,182	2,312	49	155	0	2,108
151	Northwestern U.	2,449	0	2,449	0	0	1,502	0	1,502	0	0
152	FL Atlantic U.	2,441	99	0	2,264	78	1,054	43	0	998	13
153	Grand Valley State U.	2,418	3	569	0	1,846	466	0	466	0	0
154	U. AR main campus	2,392	0	2,038	0	354	1,574	0	1,442	0	132
155	U. CA, Merced	2,389	0	2,389	0	0	1,070	0	1,070	0	0
156	Clark U.	2,344	0	2,300	0	44	1,296	0	1,296	0	0
157	Rochester Institute of Technology	2,344	0	0	0	2,344	254	0	0	0	254
158	U. South AL	2,341	542	24	1,775	0	1,478	464	6	1,008	0
159	MO U. of Science and Technology	2,328	258	2,070	0	0	1,295	127	1,168	0	0
160	Northern IL U.	2,222	0	2,222	0	0	1,702	0	1,702	0	0
161	U. IA	2,137	0	668	0	1,469	610	0	469	0	141
162	Tulane U.	2,091	0	2,091	0	0	1,933	0	1,933	0	0
163	CA State U., Northridge	2,066	0	1,157	909	0	1,492	0	936	556	0
164	Carnegie Mellon U.	2,058	115	53	0	1,890	1,891	115	51	0	1,725
165	Auburn U. main campus	2,039	439	1,018	29	553	1,733	439	769	29	496
166	Southern IL U. Carbondale	1,961	0	1,961	0	0	692	0	692	0	0
167	Coastal Carolina U.	1,920	444	756	720	0	1,334	124	665	545	0
168	U. MT-Missoula, The	1,762	0	1,579	0	183	1,291	0	1,182	0	109
169	U. AK Anchorage	1,758	86	95	58	1,519	1,708	77	93	58	1,480
170	U. TX Dallas	1,732	0	0	0	1,732	227	0	0	0	227
171	Southern IL U. Edwardsville	1,729	0	1,729	0	0	371	0	371	0	0
172	NM State U.	1,723	260	626	0	837	408	0	148	0	260
173	Rensselaer Polytechnic Institute	1,700	0	1,700	0	0	1,536	0	1,536	0	0
174	U. VT	1,687	0	929	88	670	1,291	0	652	71	568
175	FL Institute of Technology	1,674	0	0	1,674	0	993	0	0	993	0
176	U. MO-Columbia	1,670	0	1,670	0	0	1,642	0	1,642	0	0
177	U. GU	1,648	0	89	986	573	1,312	0	0	808	504
178	Dillard U.	1,597	13	50	0	1,534	1,597	13	50	0	1,534
179	East Carolina U.	1,472	33	805	634	0	1,001	33	493	475	0

TABLE 22. Total and federally financed higher education R&amp;D expenditures in the environmental sciences, ranked by all environmental sciences R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec	All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
180	IN U.-Purdue U. Indianapolis	1,437	0	1,437	0	0	561	0	561	0	0
181	SUNY Binghamton	1,423	0	1,256	0	167	537	0	374	0	163
182	U. AL, The	1,388	0	1,026	2	360	1,183	0	829	0	354
183	Lehigh U.	1,297	0	1,297	0	0	1,081	0	1,081	0	0
184	Northwest Indian C.	1,265 i	0 i	938 i	327 i	0 i	782	0	455	327	0
185	U. NC Asheville	1,214	377	301	0	536	844	370	280	0	194
186	FL Gulf Coast U.	1,205	0	48	1,040	117	630	0	0	549	81
187	Wright State U.	1,163	0	1,163	0	0	486	0	486	0	0
188	U. New England	1,157	0	474	616	67	1,057	0	470	520	67
189	PA State U. Erie, The Behrend C.	1,142	0	0	1,142	0	727	0	0	727	0
190	Carleton C.	1,139	0	928	0	211	849	0	849	0	0
191	Appalachian State U.	1,136	0	597	0	539	772	0	467	0	305
192	U. LA Lafayette	1,131	0	270	0	861	270	0	70	0	200
193	Western MI U.	1,126	0	1,126	0	0	780	0	780	0	0
194	Humboldt State U.	1,117	0	1,005	112	0	149	0	126	23	0
195	George Washington U.	1,110	746	70	5	289	320	48	26	0	246
196	Savannah State U.	1,080	0	217	863	0	1,080	0	217	863	0
197	Franklin & Marshall C.	1,077	9	1,049	19	0	733	0	717	16	0
198	Loma Linda U.	1,077	0	161	0	916	878	0	0	0	878
199	Dartmouth C.	1,065	0	619	0	446	373	0	280	0	93
200	SC State U.	1,046	0	0	0	1,046	962	0	0	0	962
201	Miami U.	1,029	0	923	0	106	967	0	909	0	58
202	Baylor U.	1,008	0	560	0	448	362	0	147	0	215
203	Lincoln U. (Jefferson City, MO)	1,005	0	549	0	456	456	0	0	0	456
204	OH U.	996	354	642	0	0	571	278	293	0	0
205	U. WI-Green Bay	989	0	0	0	989	709	0	0	0	709
206	U. Redlands	976	0	976	0	0	869	0	869	0	0
207	U. WI-Superior	938	0	0	938	0	271	0	0	271	0
208	Hobart and William Smith Colleges	889	98	25	0	766	652	93	25	0	534
209	Case Western Reserve U.	881	0	881	0	0	681	0	681	0	0
210	SD School of Mines and Technology	869	606	263	0	0	745	571	174	0	0
211	Nicholls State U.	852	0	0	0	852	852	0	0	0	852
212	CUNY Queens C.	846	0	846	0	0	570	0	570	0	0
213	U. North TX	844	0	844	0	0	231	0	231	0	0
214	Bucknell U.	841	0	672	0	169	137	0	16	0	121
215	TX Christian U.	838	0	838	0	0	81	0	81	0	0

TABLE 22. Total and federally financed higher education R&D expenditures in the environmental sciences, ranked by all environmental sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec	All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
216	Bowling Green State U.	825	0	825	0	0	543	0	543	0	0
217	U. TX San Antonio	815	0	443	0	372	441	0	383	0	58
218	Western KY U.	812	0	812	0	0	791	0	791	0	0
219	Macalester C.	809	0	533	0	276	472	0	424	0	48
220	U. Rochester	807	0	807	0	0	695	0	695	0	0
221	U. NC Charlotte	805	0	805	0	0	618	0	618	0	0
222	ND State U.	802	0	802	0	0	218	0	218	0	0
223	U. PA	797	0	797	0	0	671	0	671	0	0
224	CA State U., Fullerton	788	0	264	242	282	317	0	18	71	228
225	Rutgers, the State U. NJ-Newark	773	0	580	193	0	601	0	408	193	0
226	Western Carolina U.	739	0	20	719	0	644	0	11	633	0
227	NY U.	735	0	735	0	0	46	0	46	0	0
228	Plymouth State U.	733 i	165 i	568 i	0 i	0 i	651 i	155 i	496 i	0 i	0 i
229	U. AR Little Rock	729	5	683	0	41	664	4	620	0	40
230	U. Southern ME	690	0	84	473	133	316	0	84	144	88
231	Eastern MI U.	684	0	0	0	684	136	0	0	0	136
232	U.S. Military Academy	674 i	0 i	674 i	0 i	0 i	674 i	0 i	674 i	0 i	0 i
233	VA Commonwealth U.	659	0	0	0	659	452	0	0	0	452
234	Middlebury C.	656	37	611	0	8	648	37	611	0	0
235	Emory U.	654	0	0	0	654	381	0	0	0	381
236	St. Louis U.	653	653	0	0	0	475	475	0	0	0
237	DE State U.	639	0	0	639	0	639	0	0	639	0
238	U. SD	633	0	633	0	0	0	0	0	0	0
239	MN State U. Mankato	607	0	0	0	607	0	0	0	0	0
240	Dickinson C.	600	0	553	0	47	136	0	89	0	47
241	U. Cincinnati	595	0	595	0	0	232	0	232	0	0
242	Central MI U.	593	0	556	0	37	556	0	556	0	0
243	U. TX Arlington	581	0	581	0	0	337	0	337	0	0
244	Northeastern U.	577	0	90	487	0	487	0	0	487	0
245	TX A&M U.-Kingsville	576	0	0	0	576	146	0	0	0	146
246	U. Houston-Clear Lake	569	0	0	0	569	256	0	0	0	256
247	Vanderbilt U.	547	0	547	0	0	366	0	366	0	0
248	Montclair State U.	541	0	541	0	0	488	0	488	0	0
249	Bowdoin C.	533	0	210	323	0	353	0	185	168	0
250	SUNY C. Plattsburgh	526	0	526	0	0	193	0	193	0	0
251	CA State U., Long Beach	523	0	516	7	0	456	0	449	7	0
252	U. MD Baltimore	511	0	0	511	0	134	0	0	134	0

TABLE 22. Total and federally financed higher education R&D expenditures in the environmental sciences, ranked by all environmental sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec	All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
253	Mt. Holyoke C.	502	0	489	0	13	420	0	420	0	0
254	U. AK Southeast	490	7	0	325	158	318	5	0	156	157
255	Rockefeller U.	487	0	0	92	395	92	0	0	92	0
256	Pace U.	465	0	0	0	465	0	0	0	0	0
257	Roger Williams U.	465	0	0	457	8	370	0	0	362	8
258	Stephen F. Austin State U.	454	0	2	0	452	132	0	0	0	132
259	KS State U.	453	0	453	0	0	92	0	92	0	0
260	Evergreen State C.	448	0	0	0	448	448	0	0	0	448
261	Temple U.	441	0	441	0	0	105	0	105	0	0
262	SUNY C. Brockport	431	0	162	0	269	171	0	121	0	50
263	U. West GA	429	0	429	0	0	284	0	284	0	0
264	AK Pacific U.	424	0	106	318	0	273	0	75	198	0
265	Wesleyan U.	418	0	418	0	0	233	0	233	0	0
266	Lamar U.	412	0	412	0	0	372	0	372	0	0
267	American U.	405	0	0	0	405	0	0	0	0	0
268	Brigham Young U.	405	0	405	0	0	355	0	355	0	0
269	Kent State U.	403	8	326	56	13	257	8	183	56	10
270	Jacksonville State U.	395	0	395	0	0	133	0	133	0	0
271	Monmouth U.	389	0	0	384	5	384	0	0	384	0
272	West TX A&M U.	387	0	110	0	277	205	0	110	0	95
273	Salisbury U.	384	0	384	0	0	308	0	308	0	0
274	U. South FL St. Petersburg	367	273	0	94	0	222	222	0	0	0
275	Colgate U.	357	11	308	0	38	140	0	140	0	0
276	Williams C.	347	72	275	0	0	132	0	132	0	0
277	U. Louisville	344	18	93	0	233	161	18	73	0	70
278	Pomona C.	322	0	306	0	16	244	0	244	0	0
279	East TN State U.	318	0	318	0	0	49	0	49	0	0
280	U. San Francisco	306	306	0	0	0	198	198	0	0	0
281	Eckerd C.	298	0	0	293	5	246	0	0	246	0
282	Oberlin C.	292	0	292	0	0	66	0	66	0	0
283	Southern OR U.	291	0	91	0	200	264	0	79	0	185
284	Barnard C.	289	0	0	0	289	145	0	0	0	145
285	U. Akron	289	0	289	0	0	136	0	136	0	0
286	Hamilton C.	288	0	288	0	0	243	0	243	0	0
287	U. TX of the Permian Basin	288	0	288	0	0	248	0	248	0	0
288	U. TX Pan American	287	80	0	191	16	214	39	0	175	0
289	Bryn Mawr C.	278	0	278	0	0	15	0	15	0	0

TABLE 22. Total and federally financed higher education R&D expenditures in the environmental sciences, ranked by all environmental sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec	All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
290	CA State U., East Bay	270	0	177	0	93	219	0	126	0	93
291	U. MO-Kansas City	260	0	260	0	0	64	0	64	0	0
292	U.S. Naval Academy	259	0	0	259	0	259	0	0	259	0
293	Wayne State U.	259	0	259	0	0	130	0	130	0	0
294	Skidmore C.	256	0	0	0	256	9	0	0	0	9
295	U. Northern CO	254	0	21	0	233	249	0	16	0	233
296	U. Northern IA	251	0	12	0	239	6	0	6	0	0
297	IN State U.	248	0	248	0	0	235	0	235	0	0
298	U. TN Chattanooga	244	244	0	0	0	239	239	0	0	0
299	U. DC	244	0	244	0	0	122	0	122	0	0
300	MO State U.	243	0	243	0	0	180	0	180	0	0
301	Shaw U.	236 i	0 i	0 i	0 i	236 i	236 i	0 i	0 i	0 i	236 i
302	U. of St. Thomas (St. Paul, MN)	236	0	236	0	0	229	0	229	0	0
303	U. WI-Eau Claire	235	0	235	0	0	49	0	49	0	0
304	SUNY C. Buffalo	233	0	45	0	188	100	0	38	0	62
305	KY State U.	227	0	2	0	225	146	0	2	0	144
306	McNeese State U.	226	0	0	0	226	203	0	0	0	203
307	Marshall U.	225	0	0	0	225	183	0	0	0	183
308	U. NE Omaha	224	0	224	0	0	144	0	144	0	0
309	U. Tulsa	207	0	0	95	112	181	0	0	69	112
310	Jackson State U.	199	0	0	0	199	182	0	0	0	182
311	U. TX Brownsville	199	2	197	0	0	189	2	187	0	0
312	Xavier U. LA	199	0	0	199	0	199	0	0	199	0
313	Central State U.	196	0	127	0	69	127	0	127	0	0
314	Bates C.	195	0	44	0	151	118	0	44	0	74
315	CUNY Brooklyn C.	193	0	193	0	0	48	0	48	0	0
316	TN State U.	193	0	34	0	159	193	0	34	0	159
317	U. San Diego	193	0	0	193	0	165	0	0	165	0
318	U. MN Morris	192	0	192	0	0	149	0	149	0	0
319	Cleveland State U.	191	0	191	0	0	174	0	174	0	0
320	Hampshire C.	191	0	0	0	191	191	0	0	0	191
321	Mesa State C.	190	0	190	0	0	66	0	66	0	0
322	AR Tech U.	188 i	0 i	188 i	0 i	0 i	130 i	0 i	130 i	0 i	0 i
323	U. CO Colorado Springs	187	77	1	0	109	51	0	0	0	51
324	Eastern KY U.	186	0	186	0	0	168	0	168	0	0
325	SUNY C. Oswego	185	0	20	0	165	172	0	7	0	165

TABLE 22. Total and federally financed higher education R&D expenditures in the environmental sciences, ranked by all environmental sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec	All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
326	Claremont McKenna C.	184	8	2	0	174	10	8	2	0	0
327	NM Highlands U.	184	0	0	0	184	98	0	0	0	98
328	Lewis & Clark C.	180	0	37	0	143	7	0	7	0	0
329	Murray State U.	172	0	172	0	0	0	0	0	0	0
330	CA State U., San Marcos	171	0	0	171	0	171	0	0	171	0
331	Tufts U.	168	0	168	0	0	148	0	148	0	0
332	Hofstra U.	167	0	167	0	0	165	0	165	0	0
333	Union C. (Schenectady, NY)	157	0	157	0	0	157	0	157	0	0
334	Benedict C.	156	0	156	0	0	156	0	156	0	0
335	New School, The	154	0	0	0	154	58	0	0	0	58
336	Loyola Marymount U.	148	0	148	0	0	21	0	21	0	0
337	CO C.	143	0	71	0	72	122	0	50	0	72
338	U. Dayton	143	111	32	0	0	0	0	0	0	0
339	U. WI-Oshkosh	143	0	138	0	5	73	0	73	0	0
340	Ball State U.	142	0	142	0	0	117	0	117	0	0
341	GA Southern U.	139	0	139	0	0	100	0	100	0	0
342	SUNY C. Geneseo	139	0	139	0	0	95	0	95	0	0
343	St. Joseph's C. (Standish, ME)	137	0	0	136	1	136	0	0	136	0
344	CUNY The City C.	136	0	136	0	0	0	0	0	0	0
345	Calvin C.	135	0	135	0	0	8	0	8	0	0
346	Universidad del Turabo	134	128	0	0	6	127	122	0	0	5
347	CUNY Herbert H. Lehman C.	130	0	130	0	0	0	0	0	0	0
348	Elizabeth City State U.	128	0	128	0	0	128	0	128	0	0
349	IL State U.	127	0	127	0	0	23	0	23	0	0
350	WV State U.	126	0	0	0	126	78	0	0	0	78
351	CUNY Baruch C.	125	0	111	0	14	125	0	111	0	14
352	Eastern IL U.	125	0	125	0	0	58	0	58	0	0
353	GA State U.	124	0	124	0	0	65	0	65	0	0
354	CA State U., Fresno	123	0	116	0	7	119	0	112	0	7
355	U. CO Denver and Health Sciences Ctr.	122	0	21	0	101	23	0	21	0	2
356	CUNY Medgar Evers C.	119	119	0	0	0	119	119	0	0	0
357	Bridgewater State C.	118	17	78	23	0	89	17	49	23	0
358	Sam Houston State U.	118	0	71	0	47	118	0	71	0	47
359	AR State U. main campus	117	0	52	0	65	54	0	52	0	2
360	CA State U., Sacramento	115	0	100	0	15	11	0	11	0	0
361	CA State U., Bakersfield	114	0	114	0	0	99	0	99	0	0
362	Universidad Metropolitana	113	0	113	0	0	111	0	111	0	0



TABLE 22. Total and federally financed higher education R&D expenditures in the environmental sciences, ranked by all environmental sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec	All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
363	Wheeling Jesuit U.	108	108	0	0	0	108	108	0	0	0
364	St. Cloud State U.	106	0	82	0	24	42	0	42	0	0
365	Whitman C.	106	100	6	0	0	106	100	6	0	0
366	Fordham U.	105	0	0	0	105	105	0	0	0	105
367	Long Island U.	105 i	0 i	0 i	105 i	0 i	0 i	0 i	0 i	0 i	0 i
368	Colby C.	102	0	84	0	18	15	0	15	0	0
369	C. Wooster	102	0	69	0	33	29	0	29	0	0
370	Washington and Lee U.	99	0	99	0	0	80	0	80	0	0
371	CA State U., Dominguez Hills	91	70	21	0	0	91	70	21	0	0
372	NC Central U.	91	0	91	0	0	91	0	91	0	0
373	Occidental C.	88	0	88	0	0	46	0	46	0	0
374	Sul Ross State U.	86	0	70	0	16	23	0	23	0	0
375	Millersville U. PA	85	0	77	0	8	62	0	62	0	0
376	TX A&M International U.	85	0	85	0	0	25	0	25	0	0
377	Gallaudet U.	82	0	2	80	0	35	0	2	33	0
378	Haskell Indian Nations U.	81	0	81	0	0	81	0	81	0	0
379	Valparaiso U.	81	81	0	0	0	81	81	0	0	0
380	Creighton U.	80 i	80 i	0 i	0 i	0 i	80	80	0	0	0
381	U. WI-Whitewater	80	20	60	0	0	74	19	55	0	0
382	Lafayette C.	79	0	79	0	0	64	0	64	0	0
383	Trinity U.	77	0	77	0	0	67	0	67	0	0
384	Smith C.	74	0	61	0	13	33	0	33	0	0
385	Western OR U.	72	72	0	0	0	72	72	0	0	0
386	Indiana U. PA	70	0	70	0	0	70	0	70	0	0
387	CA State U., San Bernardino	69	0	69	0	0	60	0	60	0	0
388	Ft. Lewis C.	68	0	54	0	14	68	0	54	0	14
389	U. of the Pacific	68	0	68	0	0	68	0	68	0	0
390	Wellesley C.	67	0	67	0	0	40	0	40	0	0
391	Hope C.	64	0	64	0	0	0	0	0	0	0
392	Seattle Pacific U.	64	0	0	64	0	57	0	0	57	0
393	West Chester U. PA	64 i	0 i	64 i	0 i	0 i	64 i	0 i	64 i	0 i	0 i
394	Middle TN State U.	63	0	63	0	0	32	0	32	0	0
395	U. NE Kearney	63	0	63	0	0	0	0	0	0	0
396	DePaul U.	62	44	18	0	0	56	43	13	0	0
397	Weber State U.	62	0	62	0	0	59	0	59	0	0
398	U. LA Monroe	61	41	20	0	0	41	41	0	0	0
399	Sarah Lawrence C.	60	0	60	0	0	60	0	60	0	0

TABLE 22. Total and federally financed higher education R&D expenditures in the environmental sciences, ranked by all environmental sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec	All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
400	Willamette U.	60	0	60	0	0	0	0	0	0	0
401	St. Francis U.	59	0	0	0	59	59	0	0	0	59
402	Augustana C. (Rock Island, IL)	58	0	52	0	6	52	0	52	0	0
403	CA State U., Chico	56	0	13	0	43	0	0	0	0	0
404	La Salle U.	56	0	56	0	0	0	0	0	0	0
405	Loyola U. Chicago	55	0	0	0	55	54	0	0	0	54
406	Hendrix C.	54	0	0	0	54	54	0	0	0	54
407	Denison U.	53 i	0 i	52 i	0 i	1 i	50 i	0 i	50 i	0 i	0 i
408	MS Valley State U.	51	0	51	0	0	51	0	51	0	0
409	U. West FL	51	0	51	0	0	0	0	0	0	0
410	Northern MI U.	50	0	50	0	0	50	0	50	0	0
411	Allegheny C.	47	0	30	0	17	17	0	17	0	0
412	C. NJ, The	46	0	0	0	46	0	0	0	0	0
413	Youngstown State U.	44	25	19	0	0	18	0	18	0	0
414	Eastern WA U.	43	0	43	0	0	21	0	21	0	0
415	Vassar C.	42	0	42	0	0	42	0	42	0	0
416	CA State U., Los Angeles	41	0	41	0	0	41	0	41	0	0
417	Drake U.	41	0	0	0	41	0	0	0	0	0
418	U. SC Aiken	41 i	0 i	15 i	20 i	6 i	15 i	0 i	7 i	5 i	3 i
419	Alfred U.	40	16	0	0	24	40	16	0	0	24
420	Sinte Gleska U.	40	10	10	0	20	0	0	0	0	0
421	U. MT Western, The	39	39	0	0	0	33	33	0	0	0
422	Amherst C.	38	0	38	0	0	0	0	0	0	0
423	CUNY C. Staten Island	38	0	0	0	38	0	0	0	0	0
424	Air Force Institute of Technology	35	0	0	0	35	35	0	0	0	35
425	Rider U.	35	0	11	24	0	24	0	0	24	0
426	Pacific Lutheran U.	33	0	33	0	0	13	0	13	0	0
427	Pitzer C.	32 i	0 i	32 i	0 i	0 i	0	0	0	0	0
428	U. SC Upstate	32 i	0 i	13 i	15 i	4 i	0 i	0 i	0 i	0 i	0 i
429	Mercyhurst C.	31	0	31	0	0	0	0	0	0	0
430	SUNY C. Potsdam	31	0	31	0	0	22	0	22	0	0
431	Furman U.	30	0	30	0	0	13	0	13	0	0
432	PA State U. Altoona	29	0	29	0	0	29	0	29	0	0
433	Western IL U.	26	0	26	0	0	26	0	26	0	0
434	CUNY Graduate Ctr.	20	0	20	0	0	20	0	20	0	0
435	Morehead State U.	20	0	0	0	20	0	0	0	0	0

TABLE 22. Total and federally financed higher education R&D expenditures in the environmental sciences, ranked by all environmental sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec	All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
436	Norfolk State U.	19	0	0	0	19	19	0	0	0	19
437	U. Scranton	19	0	0	0	19	19	0	0	0	19
438	Winona State U.	19	10	4	0	5	0	0	0	0	0
439	TN Technological U.	18	0	18	0	0	0	0	0	0	0
440	U. Houston-Downtown	18	0	18	0	0	18	0	18	0	0
441	U. Richmond	18	0	18	0	0	12	0	12	0	0
442	U. WI-Stout	18	0	0	0	18	7	0	0	0	7
443	U. WI-La Crosse	17	0	17	0	0	0	0	0	0	0
444	IN U.-Purdue U. Ft. Wayne	15	0	0	0	15	0	0	0	0	0
445	Millsaps C.	15	0	15	0	0	8	0	8	0	0
446	Wichita State U.	15	0	15	0	0	0	0	0	0	0
447	Lawrence U.	13	0	0	13	0	0	0	0	0	0
448	SUNY C. Cortland	12	0	12	0	0	8	0	8	0	0
449	DePauw U.	11	0	11	0	0	0	0	0	0	0
450	Gustavus Adolphus C.	11	0	7	0	4	4	0	0	0	4
451	Juniata C.	11	0	11	0	0	0	0	0	0	0
452	Saginaw Valley State U.	11	0	11	0	0	2	0	2	0	0
453	Towson U.	11	0	0	0	11	0	0	0	0	0
454	Central CT State U.	10	0	10	0	0	0	0	0	0	0
455	Frostburg State U.	10	0	0	0	10	0	0	0	0	0
456	St. Joseph's U.	10	0	0	0	10	0	0	0	0	0
457	U. North FL	10	0	0	0	10	0	0	0	0	0
458	U. Portland	10	0	10	0	0	10	0	10	0	0
459	U. WI-River Falls	10	0	9	0	1	0	0	0	0	0
460	Abilene Christian U.	7	0	0	0	7	0	0	0	0	0
461	Alcorn State U.	7	0	7	0	0	5	0	5	0	0
462	Luther C.	7	0	2	0	5	1	0	1	0	0
463	OH Wesleyan U.	6	0	6	0	0	0	0	0	0	0
464	U. WI-Parkside	6	0	6	0	0	4	0	4	0	0
465	Fairfield U.	4	0	0	0	4	0	0	0	0	0
466	Gettysburg C.	4	0	0	0	4	0	0	0	0	0
467	Northeastern IL U.	4	0	3	0	1	0	0	0	0	0
468	St. Olaf C.	4	0	0	0	4	0	0	0	0	0
469	William Paterson U. NJ	4	0	4	0	0	0	0	0	0	0
470	U.S. Coast Guard Academy	3	0	0	0	3	1	0	0	0	1
471	U. SC Beaufort	3 i	0 i	1 i	1 i	1 i	3 i	0 i	1 i	1 i	1 i
472	Fairleigh Dickinson U.	2	0	0	2	0	0	0	0	0	0

TABLE 22. Total and federally financed higher education R&D expenditures in the environmental sciences, ranked by all environmental sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec	All environmental sciences	Atmospheric sciences	Earth sciences	Oceanography	Environmental sciences, nec
473	U. Puget Sound	2	0	2	0	0	0	0	0	0	0
474	Angelo State U.	1	0	1	0	0	0	0	0	0	0
475	PA State U. Beaver	1	0	1	0	0	0	0	0	0	0
476	PA State U. Harrisburg	1	0	1	0	0	0	0	0	0	0
477	Pittsburg State U.	1	0	0	0	1	1	0	0	0	1
478	Trinity C. (Hartford, CT)	1	0	0	0	1	0	0	0	0	0
479	Truman State U.	1	0	0	0	1	0	0	0	0	0
480	U. Baltimore	1	0	0	0	1	0	0	0	0	0

i = imputed.

nec = not elsewhere classified.

<sup>a</sup> The Johns Hopkins University includes Applied Physics Laboratory, with \$26,070 in total and \$25,098 in federally financed R&D expenditures in environmental sciences in FY 2010.

NOTES: Institutions reporting zero expenditures in the ranked total for FY 2010 are not listed in this table. Tied institutions are ranked alphabetically. Institutions ranked are geographically separate campuses headed by a campus-level president or chancellor. Some campuses are part of large multicampus universities; some are part of state university systems. For complete listing of campuses that belong to a larger university or system and their aggregate R&D expenditures, see table C-2.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE 23. Total and federally financed higher education R&amp;D expenditures in the life sciences, ranked by all life sciences R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
	All institutions	34,902,793	2,984,189	10,947,345	19,164,242	1,807,017	21,686,463	955,959	7,564,364	12,066,037	1,100,103
1	U. CA, San Francisco	920,548	0	31,288	889,260	0	503,813	0	21,509	482,304	0
2	Duke U.	837,336	0	231,328	586,147	19,861	417,450	0	168,720	236,770	11,960
3	Johns Hopkins U., The <sup>a</sup>	817,017	0	208,516	556,555	51,946	632,289	0	154,576	431,528	46,185
4	U. MI-Ann Arbor	702,173	11,587	156,182	395,608	138,796	458,411	4,005	121,942	281,812	50,652
5	U. Pittsburgh main campus	699,640	0	62,853	615,792	20,995	508,957	0	51,465	440,869	16,623
6	U. WA Seattle	671,485	8,166	134,385	371,600	157,334	540,825	5,824	118,562	313,728	102,711
7	U. PA	663,497	5,908	227,786	413,490	16,313	530,240	34	191,848	324,983	13,375
8	U. CA, Los Angeles	657,557	0	25,045	632,512	0	383,499	0	18,621	364,878	0
9	U. WI-Madison	632,202	45,166	222,418	358,041	6,577	318,490	14,986	139,933	162,016	1,555
10	Washington U. St. Louis	625,867	0	218,207	391,961	15,699	419,723	0	166,085	245,897	7,741
11	U. NC Chapel Hill	592,877	0	204,903	310,372	77,602	422,020	0	152,160	216,107	53,753
12	U. MN Twin Cities	555,832	76,884	111,147	362,187	5,614	294,462	22,386	66,567	202,164	3,345
13	Columbia U. in the City of New York	555,228	2,501	145,258	393,490	13,979	389,332	2	112,151	271,804	5,375
14	Yale U.	538,095	595	167,922	369,578	0	416,083	93	127,245	288,745	0
15	U. CA, San Diego	537,457	21	40,856	495,149	1,431	349,082	0	26,841	322,098	143
16	U. TX M. D. Anderson Cancer Ctr.	531,040	0	176,745	354,295	0	180,374	0	65,665	114,709	0
17	Stanford U.	500,125	0	174,651	275,836	49,638	356,675	0	139,240	182,485	34,950
18	U. CA, Davis	488,382	125,917	156,350	206,115	0	250,396	36,126	89,188	125,082	0
19	Cornell U.	487,073	61,558	115,658	296,686	13,171	257,350	17,322	64,115	172,264	3,649
20	U. FL	458,092	138,613	130,815	149,784	38,880	180,901	27,096	65,540	64,176	24,089
21	U. AL Birmingham, The	455,195	0	116,525	334,131	4,539	298,758	0	94,183	202,433	2,142
22	Baylor C. of Medicine	447,874	0	237,887	209,987	0	284,072	0	171,926	112,146	0
23	OH State U.	431,561	64,701	83,573	260,059	23,228	241,995	20,114	57,688	149,465	14,728
24	U. TX Southwestern Medical Ctr. Dallas	419,220	0	179,590	238,208	1,422	232,027	0	108,603	122,709	715
25	Emory U.	399,134	0	158,022	212,374	28,738	308,175	0	136,253	148,386	23,536
26	Northwestern U.	388,479	0	141,928	235,954	10,597	254,391	0	65,636	180,318	8,437
27	Scripps Research Institute, The	387,298	0	387,298	0	0	313,746	0	313,746	0	0
28	Vanderbilt U.	387,026	0	158,726	213,529	14,771	303,454	0	124,975	167,996	10,483
29	Mt. Sinai School of Medicine	370,666	0	139,419	231,247	0	302,770	0	122,981	179,789	0
30	U. CO Denver and Health Sciences Ctr.	368,790	0	39,311	310,515	18,964	268,876	0	33,638	217,431	17,807
31	Harvard U.	363,461	0	228,571	132,897	1,993	313,504	0	192,177	121,062	265
32	Case Western Reserve U.	357,020	0	84,908	243,794	28,318	290,065	0	67,383	198,506	24,176
33	U. Southern CA	352,775	0	23,978	314,772	14,025	237,638	0	17,926	209,677	10,035
34	U. MD Baltimore	352,573	0	92,338	243,867	16,368	205,834	0	57,816	137,027	10,991
35	U. Cincinnati	339,154	0	76,318	244,330	18,506	237,300	0	54,869	174,914	7,517

TABLE 23. Total and federally financed higher education R&D expenditures in the life sciences, ranked by all life sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
36	U. IA	333,794	0	94,066	214,059	25,669	220,116	0	67,148	136,941	16,027
37	U. Chicago	323,302	0	131,894	188,497	2,911	250,015	0	113,410	134,306	2,299
38	Yeshiva U.	313,816	0	0	313,816	0	162,975	0	0	162,975	0
39	U. Rochester	296,486	0	70,087	217,333	9,066	223,438	0	59,380	158,673	5,385
40	NY U.	282,201	0	108,753	161,329	12,119	202,967	0	84,000	110,723	8,244
41	OR Health & Science U.	281,807	0	138,319	132,705	10,783	220,302	0	114,907	97,858	7,537
42	U. IL Chicago	277,631	0	67,097	195,851	14,683	181,606	0	46,727	123,680	11,199
43	U. AZ	275,379	50,091	90,438	127,797	7,053	134,237	16,274	52,636	60,525	4,802
44	IN U.-Purdue U. Indianapolis	265,310	0	69,249	186,093	9,968	136,045	0	44,828	85,992	5,225
45	PA State U. University Park and Hershey Medical Ctr.	252,599	90,548	55,323	106,728	0	123,518	30,326	27,038	66,154	0
46	U. South FL	251,450	0	49,950	201,387	113	177,142	0	36,788	140,354	0
47	U. KY	249,560	55,395	71,389	115,183	7,593	117,659	12,335	41,274	59,020	5,030
48	Rockefeller U.	247,502	0	231,644	15,858	0	82,790	0	72,454	10,336	0
49	U. TX Health Science Ctr. Houston	240,772	0	38,114	101,380	101,278	150,324	0	32,567	56,088	61,669
50	U. UT	237,655	0	47,382	139,275	50,998	156,750	0	35,443	101,756	19,551
51	U. MA Worcester	232,039	0	77,718	124,323	29,998	178,293	0	67,250	86,260	24,783
52	U. of Medicine & Dentistry NJ	230,235	0	100,811	129,424	0	123,399	0	54,124	69,275	0
53	SUNY Buffalo	227,367	0	60,796	158,613	7,958	105,165	0	35,459	67,012	2,694
54	Boston U.	227,225	0	10,232	214,738	2,255	196,021	0	8,320	187,124	577
55	Medical U. SC	224,632	0	86,269	83,389	54,974	131,650	0	61,937	38,252	31,461
56	MI State U.	218,524	94,043	85,253	33,491	5,737	93,829	24,991	50,387	15,816	2,635
57	U. TX Health Science Ctr. San Antonio	207,115	0	53,271	145,715	8,129	121,723	0	40,258	80,781	684
58	U. Miami	205,369	0	32,074	170,942	2,353	132,808	0	26,276	104,445	2,087
59	U. CA, Berkeley	202,999	66,322	68,480	68,197	0	109,736	25,118	51,116	33,502	0
60	Purdue U. main campus	200,781	117,440	42,549	27,809	12,983	75,700	32,104	25,742	10,755	7,099
61	U. CA, Irvine	197,831	0	97,186	100,645	0	119,546	0	63,930	55,616	0
62	TX A&M U.	193,506	121,350	23,886	48,270	0	64,551	40,714	9,007	14,830	0
63	Medical C. WI	191,816	0	54,389	137,427	0	121,750	0	34,522	87,228	0
64	U. KS	188,604	2,135	86,987	79,656	19,826	99,146	420	57,305	31,635	9,786
65	Wake Forest U.	188,268	0	1,493	186,775	0	156,538	0	1,269	155,269	0
66	Wayne State U.	187,547	0	35,137	142,055	10,355	103,324	0	19,018	83,312	994
67	U. VA main campus	186,795	0	60,006	124,465	2,324	153,843	0	48,651	103,293	1,899
68	U. TX Medical Branch	186,552	0	81,245	105,307	0	127,953	0	51,525	76,428	0
69	U. IL Urbana-Champaign	180,847	111,990	64,161	3,190	1,506	82,011	41,873	37,430	2,252	456
70	Rutgers, the State U. NJ-New Brunswick	176,552	37,919	77,496	43,090	18,047	96,272	10,248	51,326	30,543	4,155
71	NC State U.	176,506	82,432	82,066	6	12,002	53,196	13,027	35,356	0	4,813
72	U. GA	167,714	64,375	88,623	13,109	1,607	86,723	19,838	59,753	6,116	1,016

TABLE 23. Total and federally financed higher education R&D expenditures in the life sciences, ranked by all life sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
73	VA Polytechnic Institute and State U.	160,521	88,812	54,460	13,743	3,506	54,666	26,864	22,787	2,925	2,090
74	LA State U. and A&M C.	156,539	72,339	80,089	4,003	108	50,880	8,766	41,686	342	86
75	WA State U.	155,270	88,878	32,485	30,892	3,015	48,775	17,618	14,698	15,599	860
76	U. CT	154,297	6,696	85,264	58,150	4,187	81,681	3,276	48,042	28,198	2,165
77	Dartmouth C.	144,926	0	6,681	138,245	0	88,888	0	4,352	84,536	0
78	U. TN Knoxville	143,301	38,864	51,961	47,700	4,776	72,170	7,234	42,370	22,192	374
79	U. NE Medical Ctr.	138,219	0	74,511	63,350	358	80,784	0	49,510	31,128	146
80	VA Commonwealth U.	136,426	0	55,300	71,184	9,942	108,794	0	49,098	51,052	8,644
81	Tulane U.	134,497	0	33,611	28,388	72,498	93,386	0	25,826	13,563	53,997
82	Georgetown U.	131,700	0	12,021	109,775	9,904	110,149	0	11,357	90,044	8,748
83	George Washington U.	131,369	66	20,676	76,113	34,514	85,955	54	13,703	63,781	8,417
84	U. Louisville	126,600	0	37,951	77,214	11,435	62,369	0	27,253	30,383	4,733
85	CO State U.	124,966	32,282	32,137	59,657	890	77,172	13,749	23,247	39,544	632
86	Tufts U.	124,288	0	86,273	38,015	0	94,304	0	65,546	28,758	0
87	U. NM	123,116	5	32,245	86,553	4,313	87,215	4	27,665	59,393	153
88	IA State U.	122,940	50,704	53,084	15,242	3,910	48,045	16,894	23,222	5,711	2,218
89	MA Institute of Technology	122,182	0	88,745	19,744	13,693	82,036	0	66,422	5,489	10,125
90	Uniformed Services U. of the Health Sciences	119,564	0	12,361	107,203	0	63,782	0	5,255	58,527	0
91	U. AR for Medical Sciences	119,518	0	42,300	73,199	4,019	72,217	0	27,704	42,459	2,054
92	OR State U.	116,594	67,311	43,450	3,394	2,439	61,116	29,262	26,791	2,747	2,316
93	SUNY Albany	111,755	0	106,478	5,219	58	102,167	0	99,152	3,015	0
94	U. OK	110,389	0	44,994	61,237	4,158	64,135	0	31,200	30,374	2,561
95	MS State U.	109,118	100,286	5,022	2,600	1,210	36,453	33,251	2,388	19	795
96	U. VT	107,860	12,380	38,350	51,591	5,539	83,721	7,650	32,485	39,891	3,695
97	U. HI Manoa	103,451	16,710	9,103	67,857	9,781	68,405	7,018	4,683	51,553	5,151
98	Thomas Jefferson U.	103,064	0	50,501	49,740	2,823	77,817	0	39,039	36,132	2,646
99	KS State U.	101,424	57,354	42,483	1,587	0	38,928	14,621	23,773	534	0
100	Brown U.	98,748	175	28,436	46,863	23,274	67,171	140	18,487	34,114	14,430
101	U. MO-Columbia	98,461	24,081	26,466	44,699	3,215	81,759	18,243	23,498	37,232	2,786
102	SUNY Stony Brook	92,247	0	45,940	46,000	307	60,757	0	34,118	26,540	99
103	WV U.	88,708	24,028	18,277	43,561	2,842	42,574	10,294	13,492	17,755	1,033
104	Temple U.	81,575	798	31,567	39,029	10,181	55,642	16	21,689	25,543	8,394
105	TX A&M U. System Health Science Ctr.	81,462	276	239	80,947	0	32,139	179	226	31,734	0
106	Auburn U. main campus	81,100	59,366	4,630	13,756	3,348	18,565	12,138	2,265	1,161	3,001
107	U. MD College Park	79,077	48,134	19,540	0	11,403	42,412	19,427	14,902	0	8,083
108	U. NE-Lincoln	76,634	36,539	33,965	120	6,010	38,463	18,455	18,149	0	1,859
109	Medical C. GA	72,015	0	52,662	17,472	1,881	51,727	0	38,609	11,759	1,359

TABLE 23. Total and federally financed higher education R&D expenditures in the life sciences, ranked by all life sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
110	U. MS and U. MS Medical Ctr.	71,161	0	16,449	45,090	9,622	44,172	0	11,460	29,952	2,760
111	Rush U.	71,160	0	17,904	48,301	4,955	49,113	0	13,649	31,286	4,178
112	ND State U.	69,034	60,653	1,419	6,923	39	12,878	10,369	860	1,614	35
113	OK State U. main campus	67,872	36,052	30,589	679	552	17,101	6,608	10,204	289	0
114	U. SC Columbia	66,953	0	19,366	47,587	0	42,655	0	12,893	29,762	0
115	AZ State U.	65,843	0	54,155	0	11,688	34,518	0	26,101	0	8,417
116	U. TX Austin	63,739	316	39,303	22,638	1,482	43,973	3	26,028	16,565	1,377
117	U. CA, Riverside	61,828	12,773	45,713	3,342	0	22,122	3,778	16,654	1,690	0
118	U. AR main campus	61,553	58,900	2,340	0	313	13,338	11,861	1,417	0	60
119	LA State U. Health Sciences Ctr. New Orleans	59,776	0	21,606	36,152	2,018	46,142	0	18,834	25,740	1,568
120	Drexel U.	59,237	0	23,399	32,611	3,227	38,026	0	13,458	22,692	1,876
121	CA Institute of Technology	57,365	0	57,365	0	0	48,731	0	48,731	0	0
122	UT State U.	56,963	44,217	12,072	674	0	21,628	17,477	3,852	299	0
123	U. ID	53,308	31,571	16,312	5,425	0	25,412	11,913	9,549	3,950	0
124	MT State U. Bozeman	51,406	34,855	6,663	2,509	7,379	30,499	19,406	4,532	1,817	4,744
125	U. MA Amherst	51,328	21,710	22,495	6,410	713	27,825	10,580	14,969	1,883	393
126	TX Tech U. Health Sciences Ctr.	51,282	0	19,548	31,734	0	12,950	0	8,163	4,787	0
127	U. MT-Missoula, The	47,695	10,364	22,977	11,412	2,942	33,997	6,384	14,494	10,564	2,555
128	Southern IL U. Carbondale	47,304	11,308	8,272	27,439	285	15,632	2,744	3,587	9,301	0
129	Princeton U.	46,746	0	46,746	0	0	33,731	0	33,731	0	0
130	SD State U.	44,741	29,319	4,207	3,797	7,418	23,503	13,163	2,294	1,698	6,348
131	Eastern VA Medical School	44,420	0	22,187	22,233	0	29,291	0	19,403	9,888	0
132	SUNY Upstate Medical U.	43,824	0	11,268	32,556	0	27,959	0	7,837	20,122	0
133	San Diego State U.	43,563	0	24,763	15,596	3,204	26,043	0	14,701	8,581	2,761
134	St. Louis U.	43,066	0	10,093	32,486	487	30,984	0	8,805	21,774	405
135	Clemson U.	42,739	16,682	22,610	512	2,935	10,341	3,415	5,846	345	735
136	IN U. Bloomington	42,337	0	32,446	5,675	4,216	22,542	0	17,660	3,442	1,440
137	U. NV, Reno	42,120	18,647	17,493	5,410	570	27,085	6,475	16,206	3,914	490
138	U. DE	40,948	25,899	9,210	0	5,839	20,710	9,766	6,150	0	4,794
139	U. ME	40,454	26,589	11,540	89	2,236	14,811	9,670	4,799	0	342
140	FL State U.	40,447	37	23,328	13,431	3,651	23,069	10	14,035	6,878	2,146
141	U. CO Boulder	39,624	12	28,264	2	11,346	31,802	11	21,967	0	9,824
142	U. PR Medical Sciences Campus	39,134	0	0	39,134	0	29,813	0	0	29,813	0
143	U. North TX Health Science Ctr.	38,862	0	31,967	6,895	0	25,847	0	22,161	3,686	0
144	Loyola U. Chicago	38,625	0	12,603	24,673	1,349	25,900	0	8,918	16,167	815
145	NM State U.	37,541	31,384	6,157	0	0	13,745	9,490	4,255	0	0



TABLE 23. Total and federally financed higher education R&D expenditures in the life sciences, ranked by all life sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
146	U. OR	33,764	0	13,480	20,284	0	27,187	0	10,875	16,312	0
147	U. LA Lafayette	33,731	0	32,805	0	926	7,089	0	7,089	0	0
148	TX Tech U.	32,700	25,550	6,470	120	560	7,480	6,100	1,280	100	0
149	SUNY Health Science Ctr. Brooklyn	32,512	0	12,648	19,864	0	25,023	0	10,146	14,877	0
150	FL International U.	32,022	4,201	18,432	6,980	2,409	19,415	2,543	10,890	4,902	1,080
151	Loma Linda U.	31,711	0	2,951	24,969	3,791	26,226	0	2,433	20,395	3,398
152	U. Toledo	31,507	1,328	6,497	23,034	648	19,222	231	2,323	16,529	139
153	LA State U. Medical Ctr. Shreveport	30,817	0	13,667	16,324	826	13,890	0	11,314	2,576	0
154	Morehouse School of Medicine	30,385 i	0 i	8,931 i	8,171 i	13,283 i	26,559 i	0 i	7,941 i	7,108 i	11,510 i
155	Brandeis U.	30,060	0	30,060	0	0	25,482	0	25,482	0	0
156	U. CA Office of the President	28,842	2,755	521	25,566	0	121	121	0	0	0
157	NY Medical C.	28,400	0	24,200	4,200	0	21,095	0	21,095	0	0
158	U. CA, Santa Barbara	27,526	0	27,526	0	0	16,670	0	16,670	0	0
159	U. of the VI	27,291	0	0	0	27,291	27,291	0	0	0	27,291
160	Meharry Medical C.	27,001	0	27,001	0	0	24,302	0	24,302	0	0
161	Creighton U.	26,641 i	0 i	12,012 i	14,241 i	388 i	11,005	0	8,500	2,305	200
162	U. AK Fairbanks	26,189	8,566	15,700	747	1,176	19,841	4,429	13,758	747	907
163	U. RI	25,354	8,814	5,513	8,718	2,309	17,300	3,575	4,980	7,479	1,266
164	Wright State U.	25,029	0	3,420	21,417	192	14,038	0	1,292	12,646	100
165	U. South AL	24,110	0	1,111	22,999	0	11,043	0	111	10,932	0
166	Cleveland State U.	24,015	0	20,528	3,308	179	19,711	0	18,181	1,512	18
167	GA Institute of Technology	23,086	0	18,197	4,022	867	10,329	0	7,726	2,591	12
168	Albany Medical C.	22,953	0	19,451	3,502	0	15,758	0	14,936	822	0
169	Howard U.	22,727	0	1,953	16,647	4,127	19,322	0	1,433	14,354	3,535
170	GA State U.	22,618	0	11,499	8,325	2,794	12,199	0	5,836	5,014	1,349
171	Charles R. Drew U. of Medicine and Science	22,152	0	0	22,152	0	20,430	0	0	20,430	0
172	U. NH	21,421	9,971	8,906	316	2,228	11,883	4,275	6,049	236	1,323
173	U. Houston	21,311	10	9,227	12,007	67	12,712	10	4,753	7,924	25
174	Northeastern U.	20,351	0	14,026	2,432	3,893	15,213	0	11,628	1,298	2,287
175	U. SD	20,135	0	13,064	6,966	105	12,917	0	9,018	3,839	60
176	U. WY	19,998	5,819	10,531	3,073	575	16,655	4,182	8,949	2,982	542
177	Southern IL U. Edwardsville	19,740	15,372	1,083	3,096	189	1,748	911	220	615	2
178	U. MO-Kansas City	19,271	0	3,703	14,663	905	13,340	0	2,960	10,259	121
179	U. TX El Paso	19,137	0	8,983	9,502	652	10,902	0	6,421	4,402	79
180	FL A&M U.	19,112	10,515	274	8,323	0	16,479	9,271	271	6,937	0
181	U. of Notre Dame	18,909	0	18,909	0	0	9,949	0	9,949	0	0
182	East Carolina U.	18,823	129	8,388	9,648	658	11,924	0	6,764	4,635	525

TABLE 23. Total and federally financed higher education R&amp;D expenditures in the life sciences, ranked by all life sciences R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
183	U. CA, Santa Cruz	18,715	2,903	15,812	0	0	10,536	765	9,771	0	0
184	Northern AZ U.	18,407	4,080	13,693	0	634	11,319	2,552	8,767	0	0
185	U. TX Dallas	18,128	0	5,980	12,148	0	8,700	0	2,846	5,854	0
186	U. TX San Antonio	18,040	0	18,040	0	0	13,471	0	13,471	0	0
187	Rutgers, the State U. NJ-Newark	15,707	0	7,153	5,979	2,575	8,077	0	4,554	2,457	1,066
188	NC Agricultural and Technical State U.	15,546	13,466	1,990	13	77	7,096	5,276	1,743	0	77
189	Marshall U.	15,132	0	4,013	10,482	637	10,769	0	1,867	8,265	637
190	U. ND	15,007	0	10,313	2,170	2,524	12,346	0	8,818	1,472	2,056
191	Old Dominion U.	14,786	0	4,882	9,022	882	5,992	0	1,872	3,577	543
192	FL Atlantic U.	14,413	791	4,726	8,103	793	4,657	689	1,510	2,292	166
193	Carnegie Mellon U.	13,949	2,082	10,242	687	938	11,218	1,918	8,563	464	273
194	CUNY Hunter C.	13,742	0	12,964	0	778	7,186	0	7,039	0	147
195	Rosalind Franklin U. of Medicine and Science	12,119	0	11,529	119	471	8,121	0	7,650	0	471
196	AL A&M U.	12,073	9,550	1,269	0	1,254	4,546	3,000	925	0	621
197	U. WI-Milwaukee	11,809	0	2,346	190	9,273	5,654	0	1,441	112	4,101
198	OH U.	11,673	0	6,573	3,957	1,143	4,365	0	2,707	1,530	128
199	George Mason U.	11,380	758	6,882	3,177	563	8,061	380	4,932	2,596	153
200	IL Institute of Technology	10,927	0	10,927	0	0	9,962	0	9,962	0	0
201	TX A&M U.-Kingsville	10,740	9,067	1,673	0	0	3,078	1,883	1,195	0	0
202	Northeastern OH Universities C. of Medicine	10,629	0	5,687	4,500	442	3,894	0	2,414	1,480	0
203	CUNY Queens C.	10,366	0	931	0	9,435	9,016	0	717	0	8,299
204	Miami U.	10,299	0	7,969	100	2,230	8,284	0	6,902	0	1,382
205	Rice U.	10,175	0	10,167	8	0	7,755	0	7,755	0	0
206	Boston C.	10,069	0	7,688	0	2,381	6,553	0	5,905	0	648
207	Tuskegee U.	10,067	3,236	585	4,286	1,960	7,752	3,015	227	2,639	1,871
208	U. MA Boston	9,916	0	2,537	4,697	2,682	5,795	0	1,842	2,367	1,586
209	San Francisco State U.	9,860	0	9,083	449	328	6,982	0	6,754	0	228
210	Ponce School of Medicine	8,934	0	0	8,934	0	7,569	0	0	7,569	0
211	U. NC Wilmington	8,882	1,788	6,117	0	977	4,879	1,208	3,291	0	380
212	AR State U. main campus	8,671	1,944	6,712	0	15	3,953	1,303	2,650	0	0
213	DE State U.	8,600	6,512	1,559	0	529	4,182	2,432	1,525	0	225
214	CUNY The City C.	8,212	0	6,100	2,112	0	6,636	0	5,411	1,225	0
215	Prairie View A&M U.	8,033	7,985	3	45	0	5,237	5,190	2	45	0
216	East TN State U.	7,949	0	2,454	5,495	0	5,443	0	2,287	3,156	0
217	Alcorn State U.	7,714	4,230	3,036	435	13	6,732	3,640	2,667	425	0
218	SUNY C. of Environmental Science and Forestry	7,577	0	7,577	0	0	3,152	0	3,152	0	0
219	U. AR Pine Bluff	7,532	7,355	0	0	177	3,565	3,431	0	0	134

TABLE 23. Total and federally financed higher education R&amp;D expenditures in the life sciences, ranked by all life sciences R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
220	TN State U.	7,514	5,261	1,529	0	724	4,683	2,661	1,472	0	550
221	U. Central FL	7,422	0	2,867	432	4,123	3,059	0	1,408	267	1,384
222	Duquesne U.	7,291	0	2,957	3,647	687	2,871	0	1,112	1,378	381
223	Universidad Central del Caribe	7,122	0	0	7,122	0	6,504	0	0	6,504	0
224	U. Southern MS	7,021	0	5,632	682	707	6,731	0	5,501	557	673
225	U. NV, Las Vegas	6,860	0	4,452	348	2,060	5,313	0	3,612	54	1,647
226	Brigham Young U.	6,587	2,311	4,164	0	112	4,217	933	3,231	0	53
227	Tarleton State U.	6,555	6,509	30	16	0	6,307	6,307	0	0	0
228	U. North TX	6,472	0	6,364	0	108	3,119	0	3,052	0	67
229	SUNY Binghamton	6,268	0	4,992	0	1,276	1,913	0	1,865	0	48
230	CA State U., Fresno	6,205	5,458	280	0	467	1,652	1,256	234	0	162
231	U. NC Charlotte	5,999	0	3,971	792	1,236	4,848	0	3,432	504	912
232	ID State U.	5,969	0	3,246	1,756	967	3,536	0	1,841	728	967
233	U. MD Baltimore County	5,958	0	5,958	0	0	3,595	0	3,595	0	0
234	Mercer U.	5,536	0	12	4,295	1,229	2,018	0	0	2,018	0
235	U. MA Lowell	5,521	0	1,281	0	4,240	2,444	0	511	0	1,933
236	Marquette U.	5,487	0	1,428	1,927	2,132	4,684	0	1,214	1,603	1,867
237	U. MD Eastern Shore	5,468	4,069	1,399	0	0	5,468	4,069	1,399	0	0
238	U. PR Rio Piedras	5,400	0	5,283	0	117	4,691	0	4,574	0	117
239	U. AK Anchorage	5,248	149	3,691	426	982	3,899	8	3,064	379	448
240	U. NC Greensboro	4,949	0	1,869	11	3,069	4,393	0	1,679	0	2,714
241	U. Memphis, The	4,923	0	2,263	0	2,660	1,722	0	1,027	0	695
242	U. CA, Merced	4,890	0	4,890	0	0	2,066	0	2,066	0	0
243	Northern IL U.	4,876	0	1,089	3,691	96	4,761	0	1,070	3,691	0
244	CA Polytechnic State U., San Luis Obispo	4,864	4,143	721	0	0	1,196	960	236	0	0
245	Lincoln U. (Jefferson City, MO)	4,795	4,644	0	0	151	2,853	2,702	0	0	151
246	TX A&M U.-Corpus Christi	4,768	78	2,205	2,485	0	4,109	0	1,670	2,439	0
247	VA State U.	4,725	4,582	143	0	0	3,290	3,160	130	0	0
248	Rensselaer Polytechnic Institute	4,703	0	4,703	0	0	2,907	0	2,907	0	0
249	Palmer C. of Chiropractic	4,693	0	0	0	4,693	3,009	0	0	0	3,009
250	NC Central U.	4,687	0	4,687	0	0	4,687	0	4,687	0	0
251	Oakland U.	4,676	0	1,541	486	2,649	2,543	0	678	339	1,526
252	Nova Southeastern U.	4,524	0	0	4,524	0	1,931	0	0	1,931	0
253	U. AL, The	4,523	0	3,058	893	572	2,804	0	2,324	185	295
254	U. TX Arlington	4,509	0	3,359	0	1,150	1,782	0	1,782	0	0
255	Langston U.	4,492	4,492	0	0	0	3,313	3,313	0	0	0

TABLE 23. Total and federally financed higher education R&amp;D expenditures in the life sciences, ranked by all life sciences R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
256	U. MO-St. Louis	4,472	0	2,160	415	1,897	1,441	0	1,213	72	156
257	CA State U., Fullerton	4,359	0	1,595	0	2,764	3,336	0	1,305	0	2,031
258	OK State U. Ctr. for Health Sciences	4,325	0	529	3,796	0	770	0	417	353	0
259	KY State U.	4,284	4,284	0	0	0	3,031	3,031	0	0	0
260	TX State U.-San Marcos	4,133	60	2,560	704	809	1,463	0	1,422	27	14
261	CA State U., Long Beach	4,106	0	2,470	618	1,018	2,646	0	1,842	0	804
262	Clark Atlanta U.	4,041	27	588	3,426	0	3,539	27	550	2,962	0
263	Boise State U.	3,872	16	3,285	394	177	2,955	11	2,767	72	105
264	Xavier U. LA	3,822	0	799	2,334	689	2,167	0	364	1,691	112
265	U. GU	3,790	1,876	884	958	72	3,630	1,876	742	958	54
266	Humboldt State U.	3,765	345	3,243	0	177	2,165	345	1,643	0	177
267	Ft. Valley State U.	3,762	3,762	0	0	0	3,762	3,762	0	0	0
268	Jackson State U.	3,683	0	3,023	0	660	3,295	0	2,794	0	501
269	Kent State U.	3,621	6	3,247	281	87	2,136	6	1,817	256	57
270	Midwestern U. (Downers Grove, IL)	3,596	0	2,826	642	128	285	0	285	0	0
271	IN U.-Purdue U. Ft. Wayne	3,540	0	428	2,402	710	1,107	0	69	1,038	0
272	SUNY C. of Optometry	3,529	0	0	3,529	0	2,829	0	0	2,829	0
273	CA State U., San Marcos	3,506	214	2,617	0	675	2,831	214	2,617	0	0
274	TX Southern U.	3,472	0	1,701	0	1,771	3,298	0	1,527	0	1,771
275	Wesleyan U.	3,442	0	3,442	0	0	1,845	0	1,845	0	0
276	West TX A&M U.	3,418	2,969	449	0	0	1,063	997	66	0	0
277	IL State U.	3,387	961	1,954	0	472	2,127	415	1,583	0	129
278	U. HI Hilo	3,384	641	1,418	1,066	259	3,225	641	1,385	943	256
279	WV State U.	3,378	2,777	536	65	0	2,463	1,957	441	65	0
280	U. PR Mayaguez	3,349	931	2,418	0	0	1,582	560	1,022	0	0
281	Ball State U.	3,186	810	808	218	1,350	1,043	41	527	206	269
282	CA State Polytechnic U., Pomona	3,106	750	2,311	0	45	1,754	152	1,557	0	45
283	Syracuse U.	3,096	0	2,898	79	119	2,394	0	2,374	0	20
284	U. DC	3,090	734	908	1,448	0	1,612	434	454	724	0
285	Albany C. of Pharmacy	3,074	0	0	3,074	0	1,380	0	0	1,380	0
286	Stephen F. Austin State U.	3,069	1,921	1,117	0	31	1,143	585	558	0	0
287	MO State U.	3,015	1,395	1,319	299	2	1,820	634	1,073	113	0
288	AL State U.	3,000	0	3,000	0	0	0	0	0	0	0
289	Tougaloo C.	2,978	0	833	1,886	259	2,978	0	833	1,886	259
290	C. of William and Mary and VA Institute of Marine Science	2,937	0	2,785	0	152	1,616	0	1,538	0	78

TABLE 23. Total and federally financed higher education R&D expenditures in the life sciences, ranked by all life sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
291	Portland State U.	2,923	0	2,917	0	6	2,655	0	2,649	0	6
292	St. Francis U.	2,864	0	0	0	2,864	2,864	0	0	0	2,864
293	U. of the Pacific	2,862	0	58	2,804	0	625	0	57	568	0
294	LA Tech U.	2,771	814	1,129	489	339	1,098	277	586	167	68
295	U. TX Brownsville	2,734	0	697	2,037	0	2,444	0	590	1,854	0
296	Long Island U.	2,672 i	0 i	79 i	2,593 i	0 i	2,318 i	0 i	36 i	2,282 i	0 i
297	Wichita State U.	2,576	0	2,445	0	131	1,852	0	1,852	0	0
298	Lehigh U.	2,478	0	2,478	0	0	1,798	0	1,798	0	0
299	Gallaudet U.	2,458	0	1,018	48	1,392	2,266	0	951	0	1,315
300	U. LA Monroe	2,444	0	1,854	590	0	1,429	0	1,037	392	0
301	U. Akron	2,396	0	1,687	0	709	1,371	0	1,060	0	311
302	C. Charleston	2,382	0	2,382	0	0	2,334	0	2,334	0	0
303	Seton Hall U.	2,319	0	2,041	278	0	2,041	0	2,041	0	0
304	SC State U.	2,265	2,260	0	0	5	2,244	2,239	0	0	5
305	San Jose State U.	2,247	0	2,229	0	18	1,203	0	1,203	0	0
306	Haverford C.	2,235 i	0 i	2,235 i	0 i	0 i	1,899	0	1,899	0	0
307	CA State U., Los Angeles	2,175	0	2,175	0	0	2,175	0	2,175	0	0
308	Sam Houston State U.	2,120	332	1,408	380	0	1,179	122	677	380	0
309	U. Denver	2,118	0	2,118	0	0	1,646	0	1,646	0	0
310	U. TX Pan American	2,088	7	269	1,812	0	1,797	7	228	1,562	0
311	Sul Ross State U.	1,996	1,481	515	0	0	1,467	1,254	213	0	0
312	Fordham U.	1,973	0	1,892	81	0	1,372	0	1,372	0	0
313	U. Southern ME	1,910	0	1,713	197	0	1,866	0	1,710	156	0
314	U. New England	1,882	0	321	1,484	77	1,606	0	321	1,285	0
315	Wheeling Jesuit U.	1,868	493	85	1,290	0	1,792	438	66	1,288	0
316	TX Woman's U.	1,848	0	1,204	0	644	755	0	520	0	235
317	Southern Methodist U.	1,834	0	1,834	0	0	1,548	0	1,548	0	0
318	MI Technological U.	1,821	0	1,687	0	134	454	0	454	0	0
319	U. NE Omaha	1,801	3	633	0	1,165	823	0	515	0	308
320	U. MA Dartmouth	1,798	645	1,120	0	33	850	378	472	0	0
321	Morgan State U.	1,771	808	519	444	0	1,484	621	488	375	0
322	Western MI U.	1,720	0	364	0	1,356	1,538	0	294	0	1,244
323	CUNY Brooklyn C.	1,680	0	1,616	0	64	1,459	0	1,430	0	29
324	Clafin U.	1,673	0	1,673	0	0	1,661	0	1,661	0	0
325	Hampton U.	1,636	0	144	1,024	468	1,636	0	144	1,024	468
326	Western KY U.	1,596	249	1,231	27	89	1,215	192	907	27	89
327	Wellesley C.	1,586	0	1,586	0	0	1,410	0	1,410	0	0

TABLE 23. Total and federally financed higher education R&D expenditures in the life sciences, ranked by all life sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
328	Polytechnic U.	1,584	0	1,584	0	0	1,205	0	1,205	0	0
329	Bastyr U.	1,572	0	0	1,572	0	1,211	0	0	1,211	0
330	CA State U., Bakersfield	1,557	0	1,356	0	201	438	0	237	0	201
331	Bowdoin C.	1,549	0	1,549	0	0	1,122	0	1,122	0	0
332	Shaw U.	1,532 i	0 i	0 i	1,532 i	0 i	1,286 i	0 i	0 i	1,286 i	0 i
333	U. West FL	1,513	99	1,322	0	92	882	39	751	0	92
334	U. AL Huntsville, The	1,509	391	1,040	0	78	1,391	391	1,000	0	0
335	U. WI-La Crosse	1,507	2	1,338	130	37	910	2	893	15	0
336	Northwestern Health Sciences U.	1,483	0	0	0	1,483	1,219	0	0	0	1,219
337	CA State U., Northridge	1,478	0	1,455	0	23	1,415	0	1,415	0	0
338	Black Hills State U.	1,470	0	1,470	0	0	1,176	0	1,176	0	0
339	New England C. of Optometry	1,457	0	0	1,457	0	726	0	0	726	0
340	U. San Diego	1,457	0	279	575	603	697	0	94	0	603
341	Murray State U.	1,452	104	1,347	0	1	550	8	542	0	0
342	CUNY Herbert H. Lehman C.	1,397 i	0 i	1,170 i	0 i	227 i	1,189 i	0 i	1,005 i	0 i	184 i
343	St. Cloud State U.	1,369	0	1,359	10	0	233	0	233	0	0
344	FL Gulf Coast U.	1,360	12	1,324	24	0	862	0	838	24	0
345	U. AR Little Rock	1,360	450	496	414	0	934	272	364	298	0
346	Salus U.	1,359	0	1,359	0	0	1,261	0	1,261	0	0
347	Purdue U. Calumet	1,353	0	324	3	1,026	415	0	199	0	216
348	U. MN Duluth	1,335	0	1,335	0	0	974	0	974	0	0
349	Universidad del Este	1,328	0	674	0	654	1,126	0	528	0	598
350	U. Dayton	1,327	0	1,327	0	0	858	0	858	0	0
351	Calvin C.	1,322	426	877	0	19	916	426	490	0	0
352	GA Southern U.	1,314	0	1,043	217	54	646	0	612	29	5
353	Dillard U.	1,284	0	184	730	370	920	0	56	512	352
354	Western U. of Health Sciences	1,283	387	659	237	0	885	348	454	83	0
355	FL Institute of Technology	1,260	0	1,260	0	0	915	0	915	0	0
356	A. T. Still U. of Health Sciences	1,253	0	240	796	217	116	0	116	0	0
357	Chicago State U.	1,253	0	1,253	0	0	1,253	0	1,253	0	0
358	Philadelphia C. of Osteopathic Medicine	1,236	0	1,082	154	0	776	0	776	0	0
359	Morehouse C.	1,226	0	1,192	24	10	1,226	0	1,192	24	10
360	Southeastern LA U.	1,215	0	1,204	0	11	634	0	623	0	11
361	Catholic U. America, The	1,204	0	1,197	0	7	1,158	0	1,151	0	7
362	Pace U.	1,194	0	228	0	966	435	0	138	0	297
363	U. CO Colorado Springs	1,177	0	251	538	388	856	0	169	305	382
364	Northern KY U.	1,161	0	1,138	0	23	786	0	786	0	0

TABLE 23. Total and federally financed higher education R&D expenditures in the life sciences, ranked by all life sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
365	Teachers C., Columbia U.	1,138	0	0	0	1,138	534	0	0	0	534
366	Northwest Indian C.	1,114 i	0 i	175 i	80 i	859 i	1,114	0	175	80	859
367	Smith C.	1,114	10	1,100	0	4	803	0	803	0	0
368	Central MI U.	1,108	0	1,012	0	96	793	0	766	0	27
369	U. New Orleans	1,103	0	1,103	0	0	344	0	344	0	0
370	U. WI-Stevens Point	1,084	320	738	0	26	440	72	368	0	0
371	Grand Valley State U.	1,082	0	760	116	206	388	0	388	0	0
372	Worcester Polytechnic Institute	1,081	0	1,081	0	0	710	0	710	0	0
373	Milwaukee School of Engineering	1,074	0	1,074	0	0	666	0	666	0	0
374	Eastern WA U.	1,066	0	822	244	0	8	0	8	0	0
375	Clarkson U.	1,062	0	1,000	0	62	880	0	818	0	62
376	Eastern KY U.	1,061	497	464	0	100	570	342	228	0	0
377	Middle TN State U.	1,054	179	522	0	353	786	88	425	0	273
378	Desert Research Institute	1,048	0	1,048	0	0	991	0	991	0	0
379	U. North FL	1,044	15	375	302	352	812	0	306	216	290
380	TN Technological U.	1,038	82	898	0	58	903	50	803	0	50
381	St. Olaf C.	1,034	0	1,034	0	0	834	0	834	0	0
382	CA State U., Sacramento	1,028	0	434	0	594	597	0	235	0	362
383	Governors State U.	1,012	0	0	0	1,012	988	0	0	0	988
384	NY Institute of Technology	1,010	0	0	999	11	67	0	0	67	0
385	Touro U.-CA	999	0	0	999	0	999	0	0	999	0
386	U. NE Kearney	996	91	905	0	0	91	91	0	0	0
387	Western States Chiropractic C.	996	0	0	0	996	866	0	0	0	866
388	U. of the Sciences Philadelphia	984	0	493	0	491	626	0	256	0	370
389	Baylor U.	965	0	816	0	149	301	0	301	0	0
390	U. TX Tyler	947	0	340	607	0	790	0	260	530	0
391	Bucknell U.	926	0	926	0	0	508	0	508	0	0
392	Colgate U.	921	0	921	0	0	594	0	594	0	0
393	Bowling Green State U.	906	0	554	0	352	406	0	246	0	160
394	CA State U., Chico	889	720	157	12	0	281	146	123	12	0
395	Amherst C.	880	0	798	82	0	333	0	333	0	0
396	Angelo State U.	878	655	223	0	0	127	0	127	0	0
397	Universidad Metropolitana	875	0	106	0	769	544	0	106	0	438
398	James Madison U.	874	0	644	190	40	619	0	495	89	35
399	Morehead State U.	873	200	673	0	0	561	130	431	0	0
400	Barry U.	869	0	869	0	0	869	0	869	0	0

TABLE 23. Total and federally financed higher education R&D expenditures in the life sciences, ranked by all life sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
401	Rutgers, the State U. NJ-Camden	868	0	868	0	0	749	0	749	0	0
402	Rochester Institute of Technology	862	0	681	181	0	362	0	346	16	0
403	Middlebury C.	857	0	563	264	30	827	0	563	264	0
404	Des Moines U.	855	0	0	855	0	62	0	0	62	0
405	SUNY C. Old Westbury	841 i	0 i	841 i	0 i	0 i	462 i	0 i	462 i	0 i	0 i
406	SUNY C. Plattsburgh	836	0	4	0	832	836	0	4	0	832
407	Williams C.	832	84	748	0	0	463	0	463	0	0
408	Western WA U.	827	0	653	126	48	471	0	458	13	0
409	U. Central AR	823	0	687	0	136	751	0	620	0	131
410	IN State U.	802	0	711	91	0	410	0	410	0	0
411	Skidmore C.	802	0	802	0	0	750	0	750	0	0
412	Reed C.	794	0	794	0	0	424	0	424	0	0
413	Providence C.	784	0	784	0	0	762	0	762	0	0
414	U. Northern CO	754	0	420	0	334	544	0	317	0	227
415	Hope C.	749	0	746	3	0	282	0	282	0	0
416	CA State U., Monterey Bay	737	737	0	0	0	113	113	0	0	0
417	Western Carolina U.	733	99	634	0	0	343	3	340	0	0
418	Minot State U.	728	7	721	0	0	728	7	721	0	0
419	Cheyney U. PA	725	0	0	470	255	255	0	0	0	255
420	U. WI-Oshkosh	716	0	679	37	0	501	0	486	15	0
421	CA State U., Dominguez Hills	711	0	711	0	0	711	0	711	0	0
422	Lewis & Clark C.	708	0	708	0	0	583	0	583	0	0
423	Nicholls State U.	701	0	698	3	0	66	0	66	0	0
424	Swarthmore C.	693	0	693	0	0	180	0	180	0	0
425	Franklin & Marshall C.	687	0	687	0	0	349	0	349	0	0
426	Occidental C.	686	0	686	0	0	328	0	328	0	0
427	Kansas City U. of Medicine and Biosciences	685	0	0	685	0	556	0	0	556	0
428	U.S. Air Force Academy	685	0	685	0	0	270	0	270	0	0
429	Villanova U.	677 i	0 i	527 i	150 i	0 i	388 i	0 i	303 i	85 i	0 i
430	Benedict C.	676	0	633	0	43	616	0	616	0	0
431	Clark U.	676	0	676	0	0	405	0	405	0	0
432	Appalachian State U.	670	0	659	11	0	388	0	377	11	0
433	Armstrong Atlantic State U.	670	0	0	670	0	670	0	0	670	0
434	Fayetteville State U.	647	0	27	620	0	647	0	27	620	0
435	Mt. St. Mary's C. (Los Angeles, CA)	647	0	647	0	0	647	0	647	0	0
436	American U.	646	0	646	0	0	16	0	16	0	0
437	NJ Institute of Technology	643	0	643	0	0	336	0	336	0	0



TABLE 23. Total and federally financed higher education R&D expenditures in the life sciences, ranked by all life sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
438	National U. of Health Sciences	619	0	0	0	619	545	0	0	0	545
439	Towson U.	601	0	493	0	108	409	0	353	0	56
440	CA State U., East Bay	600	21	545	34	0	97	0	81	16	0
441	WV School of Osteopathic Medicine	594	0	0	594	0	22	0	0	22	0
442	Sonoma State U.	571	0	571	0	0	407	0	407	0	0
443	CUNY Graduate Ctr.	568	0	16	0	552	393	0	0	0	393
444	MN State U. Mankato	562	0	362	0	200	502	0	302	0	200
445	U. Tulsa	562	0	407	0	155	347	0	200	0	147
446	Pacific U.	560	0	11	549	0	11	0	11	0	0
447	Bates C.	554	0	554	0	0	437	0	437	0	0
448	Fairfield U.	553	0	424	0	129	96	0	96	0	0
449	Western IL U.	551	243	236	0	72	276	74	161	0	41
450	MT Tech of the U. MT	550	0	550	0	0	362	0	362	0	0
451	Santa Clara U.	549	165	324	17	43	508	165	324	17	2
452	Northeastern State U.	545	0	364	146	35	336	0	301	0	35
453	Trinity C. (Hartford, CT)	544	0	296	245	3	497	0	282	215	0
454	Daemen C.	541	0	0	0	541	426	0	0	0	426
455	Whitman C.	535	0	535	0	0	535	0	535	0	0
456	Agnes Scott C.	534	0	519	15	0	428	0	428	0	0
457	Kennesaw State U.	527	0	218	0	309	442	0	207	0	235
458	Chapman U.	518	9	509	0	0	328	1	327	0	0
459	St. Joseph's U.	517	0	517	0	0	248	0	248	0	0
460	Ithaca C.	507	0	252	0	255	331	0	111	0	220
461	U. TN Chattanooga	507	54	398	0	55	338	0	338	0	0
462	Christopher Newport U.	503	0	503	0	0	444	0	444	0	0
463	TX Christian U.	500	1	116	0	383	7	1	0	0	6
464	Augustana C. (Sioux Falls, SD)	493	0	493	0	0	487	0	487	0	0
465	Grinnell C.	492	0	492	0	0	353	0	353	0	0
466	U. Portland	487	0	64	423	0	169	0	6	163	0
467	Eastern MI U.	483	73	34	0	376	107	73	34	0	0
468	CT C.	473	20	403	0	50	273	11	230	0	32
469	LA State U. Shreveport	465	0	465	0	0	369	0	369	0	0
470	Pomona C.	459	0	451	0	8	119	0	119	0	0
471	Central State U.	458	0	254	0	204	458	0	254	0	204
472	TX A&M International U.	452	0	369	0	83	437	0	360	0	77
473	Savannah State U.	448	0	123	325	0	353	0	28	325	0
474	Gonzaga U.	446	0	446	0	0	83	0	83	0	0

TABLE 23. Total and federally financed higher education R&D expenditures in the life sciences, ranked by all life sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
475	Truman State U.	444	34	374	0	36	349	9	340	0	0
476	MT State U. Billings	442	0	442	0	0	270	0	270	0	0
477	U. Northern IA	438	291	147	0	0	61	0	61	0	0
478	Vassar C.	438	0	304	57	77	438	0	304	57	77
479	U. of St. Thomas (St. Paul, MN)	431	0	431	0	0	269	0	269	0	0
480	Central WA U.	429	0	423	6	0	137	0	137	0	0
481	U. NC Asheville	427	322	81	24	0	122	110	12	0	0
482	Barnard C.	425	0	425	0	0	326	0	326	0	0
483	U. WI-Eau Claire	425	13	225	0	187	377	0	194	0	183
484	Mt. Holyoke C.	416	0	416	0	0	107	0	107	0	0
485	Kenyon C.	414	0	414	0	0	413	0	413	0	0
486	Spelman C.	414	0	266	0	148	414	0	266	0	148
487	Frostburg State U.	397	0	397	0	0	372	0	372	0	0
488	CA State U., San Bernardino	396	0	92	0	304	396	0	92	0	304
489	Macalester C.	382	0	382	0	0	110	0	110	0	0
490	Roger Williams U.	380	0	380	0	0	380	0	380	0	0
491	U. AK Southeast	379	46	333	0	0	175	39	136	0	0
492	Eastern IL U.	373	0	373	0	0	262	0	262	0	0
493	SUNY C. Buffalo	369	0	369	0	0	227	0	227	0	0
494	U. Richmond	367	0	358	9	0	246	0	246	0	0
495	U. WI-Platteville	367	331	36	0	0	0	0	0	0	0
496	Bryn Mawr C.	365	0	365	0	0	24	0	24	0	0
497	Muhlenberg C.	363	0	363	0	0	261	0	261	0	0
498	Hendrix C.	362	0	362	0	0	321	0	321	0	0
499	Loyola U. New Orleans	360	0	360	0	0	159	0	159	0	0
500	Kalamazoo C.	354	0	354	0	0	215	0	215	0	0
501	St. John's U. (Jamaica, NY)	353	0	353	0	0	348	0	348	0	0
502	Southern U. Baton Rouge	351	48	297	6	0	345	48	297	0	0
503	Colby C.	349	0	349	0	0	255	0	255	0	0
504	Mesa State C.	346	15	331	0	0	315	0	315	0	0
505	Juniata C.	344	0	344	0	0	107	0	107	0	0
506	U. PR Humacao	344 i	0 i	344 i	0 i	0 i	340 i	0 i	340 i	0 i	0 i
507	Oberlin C.	342	0	259	83	0	228	0	228	0	0
508	Harvey Mudd C.	340	0	340	0	0	256	0	256	0	0
509	Loyola Marymount U.	329	0	329	0	0	166	0	166	0	0
510	U. Central OK	327	0	255	0	72	245	0	228	0	17

TABLE 23. Total and federally financed higher education R&D expenditures in the life sciences, ranked by all life sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
511	MO U. of Science and Technology	326	0	179	147	0	109	0	109	0	0
512	Salisbury U.	322	6	0	316	0	0	0	0	0	0
513	Claremont McKenna C.	316	0	316	0	0	316	0	316	0	0
514	Carleton C.	302	0	302	0	0	67	0	67	0	0
515	NM Highlands U.	299	0	299	0	0	72	0	72	0	0
516	Norfolk State U.	298	0	189	0	109	246	0	137	0	109
517	Union C. (Schenectady, NY)	286	0	286	0	0	161	0	161	0	0
518	U. Detroit Mercy	280	0	49	231	0	47	0	47	0	0
519	Drake U.	278	0	141	135	2	136	0	88	48	0
520	Dickinson C.	277	0	277	0	0	106	0	106	0	0
521	Northwestern State U.	276	159	24	93	0	0	0	0	0	0
522	Rider U.	276	0	276	0	0	271	0	271	0	0
523	Mayville State U.	275	0	275	0	0	212	0	212	0	0
524	Albany State U.	273	233	32	0	8	40	0	32	0	8
525	Evergreen State C.	272	0	272	0	0	256	0	256	0	0
526	U. NC Pembroke	271	0	271	0	0	206	0	206	0	0
527	SUNY C. Brockport	269	0	262	0	7	242	0	235	0	7
528	Midwestern State U.	267	0	23	0	244	10	0	10	0	0
529	Vanguard U. Southern CA	266 i	0 i	24 i	0 i	242 i	242 i	0 i	0 i	0 i	242 i
530	U. MT Western, The	262	0	262	0	0	220	0	220	0	0
531	Indiana U. PA	260	0	243	0	17	146	0	146	0	0
532	Southern OR U.	259	0	259	0	0	246	0	246	0	0
533	Northern MI U.	258	0	250	0	8	162	0	162	0	0
534	CUNY Baruch C.	257	0	125	132	0	111	0	111	0	0
535	Willamette U.	252	0	177	0	75	77	0	77	0	0
536	C. of the Holy Cross	251	0	251	0	0	144	0	144	0	0
537	CUNY C. Staten Island	251	0	250	0	1	111	0	111	0	0
538	SUNY C. Geneseo	247	0	247	0	0	114	0	114	0	0
539	West Chester U. PA	247 i	0 i	231 i	0 i	16 i	247 i	0 i	231 i	0 i	16 i
540	Seattle U.	246 i	0 i	246 i	0 i	0 i	68 i	0 i	68 i	0 i	0 i
541	Davidson C.	245	0	245	0	0	181	0	181	0	0
542	DePaul U.	245	0	240	0	5	207	0	207	0	0
543	St. Michael's C.	239	26	213	0	0	171	26	145	0	0
544	Mercy C.	238	0	16	178	44	228	0	16	178	34
545	SUNY C. Oneonta	236	0	236	0	0	62	0	62	0	0
546	CO State U. Pueblo	232	7	225	0	0	218	7	211	0	0
547	U. Puget Sound	231	0	219	0	12	71	0	71	0	0

TABLE 23. Total and federally financed higher education R&D expenditures in the life sciences, ranked by all life sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
548	Bridgewater State C.	228	0	228	0	0	39	0	39	0	0
549	TX A&M U.-Commerce	228	163	65	0	0	14	0	14	0	0
550	Ft. Lewis C.	225	0	225	0	0	225	0	225	0	0
551	Wilberforce U.	224	0	0	224	0	224	0	0	224	0
552	Central CT State U.	222	0	222	0	0	142	0	142	0	0
553	Radford U.	214	0	176	0	38	50	0	50	0	0
554	Pepperdine U.	212	0	212	0	0	187	0	187	0	0
555	Universidad del Turabo	210	0	85	0	125	85	0	85	0	0
556	Siena C.	207	0	207	0	0	207	0	207	0	0
557	Niagara U.	205	0	178	0	27	67	0	40	0	27
558	Farmingdale State C.	202	50	152	0	0	202	50	152	0	0
559	U. MN Rochester	202	0	202	0	0	0	0	0	0	0
560	Weber State U.	202	0	202	0	0	59	0	59	0	0
561	C. Wooster	201	0	201	0	0	0	0	0	0	0
562	U. San Francisco	201	32	69	100	0	69	0	69	0	0
563	Salish Kootenai C.	199	0	199	0	0	199	0	199	0	0
564	Wiley C.	198	198	0	0	0	0	0	0	0	0
565	Furman U.	196	0	196	0	0	89	0	89	0	0
566	McNeese State U.	196	142	54	0	0	1	0	1	0	0
567	Hofstra U.	193	0	193	0	0	175	0	175	0	0
568	U. Houston-Downtown	192	24	168	0	0	192	24	168	0	0
569	Plymouth State U.	191 i	0 i	55 i	0 i	136 i	189 i	0 i	55 i	0 i	134 i
570	Lake Forest C.	190 i	0 i	190 i	0 i	0 i	108	0	108	0	0
571	OH Northern U.	190	0	1	189	0	163	0	0	163	0
572	William Paterson U. NJ	186	8	68	110	0	89	0	41	48	0
573	SUNY C. of A&T Morrisville	184	184	0	0	0	0	0	0	0	0
574	Gettysburg C.	182	0	182	0	0	143	0	143	0	0
575	St. John's U. (Collegeville, MN)	181	0	125	0	56	0	0	0	0	0
576	U. WI-Whitewater	181	0	181	0	0	118	0	118	0	0
577	Rhodes C.	177	0	177	0	0	168	0	168	0	0
578	Winona State U.	176	9	167	0	0	141	9	132	0	0
579	Fitchburg State C.	174	0	174	0	0	174	0	174	0	0
580	Southwestern OK State U.	174	4	166	2	2	124	1	123	0	0
581	St. Joseph's C. (Standish, ME)	168	168	0	0	0	168	168	0	0	0
582	Bradley U.	164	0	158	0	6	126	0	126	0	0
583	John Carroll U.	162	0	162	0	0	124	0	124	0	0
584	Jacksonville U.	161	0	137	24	0	0	0	0	0	0

TABLE 23. Total and federally financed higher education R&D expenditures in the life sciences, ranked by all life sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
585	VA Military Institute	160	0	160	0	0	0	0	0	0	0
586	Goucher C.	154	0	154	0	0	151	0	151	0	0
587	Fairleigh Dickinson U.	151	0	2	149	0	149	0	0	149	0
588	Fisk U.	149	0	149	0	0	149	0	149	0	0
589	CUNY Medgar Evers C.	147	0	147	0	0	104	0	104	0	0
590	SUNY Fredonia	145	0	145	0	0	0	0	0	0	0
591	Concordia C.	143	0	137	0	6	0	0	0	0	0
592	Coastal Carolina U.	142	137	5	0	0	137	137	0	0	0
593	Lamar U.	141	0	54	87	0	127	0	40	87	0
594	Roanoke C.	141 i	0 i	139 i	0 i	2 i	32 i	0 i	32 i	0 i	0 i
595	Pacific Lutheran U.	139	0	139	0	0	21	0	21	0	0
596	Lincoln U. of the Commonwealth of PA	136	0	132	4	0	132	0	132	0	0
597	Pittsburg State U.	136	0	136	0	0	120	0	120	0	0
598	Millersville U. PA	135	0	135	0	0	128	0	128	0	0
599	NM Institute of Mining and Technology	135	0	135	0	0	116	0	116	0	0
600	Elizabeth City State U.	134	0	124	10	0	120	0	120	0	0
601	Denison U.	133 i	0 i	133 i	0 i	0 i	121 i	0 i	121 i	0 i	0 i
602	DePauw U.	133	0	119	0	14	28	0	28	0	0
603	Lafayette C.	126	0	126	0	0	106	0	106	0	0
604	U. WI-River Falls	124	50	74	0	0	9	0	9	0	0
605	Dowling C.	123	0	123	0	0	123	0	123	0	0
606	Augustana C. (Rock Island, IL)	120	0	120	0	0	44	0	44	0	0
607	Arcadia U.	119	0	56	63	0	86	0	43	43	0
608	Millsaps C.	119	0	119	0	0	119	0	119	0	0
609	Monmouth U.	116	0	116	0	0	116	0	116	0	0
610	U. SC Aiken	116 i	43 i	40 i	11 i	22 i	47 i	10 i	19 i	2 i	16 i
611	Mills C.	115	0	115	0	0	47	0	47	0	0
612	U. Scranton	111	0	62	0	49	0	0	0	0	0
613	Ursinus C.	111	0	111	0	0	110	0	110	0	0
614	Montclair State U.	108	0	78	0	30	64	0	36	0	28
615	Jarvis Christian C.	106	0	106	0	0	90	0	90	0	0
616	SUNY C. Oswego	106	0	106	0	0	38	0	38	0	0
617	U. WI-Stout	103	8	95	0	0	87	0	87	0	0
618	Rowan U.	102	0	0	0	102	0	0	0	0	0
619	La Salle U.	98	0	0	0	98	0	0	0	0	0
620	Luther C.	98	19	65	14	0	31	0	17	14	0

TABLE 23. Total and federally financed higher education R&D expenditures in the life sciences, ranked by all life sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
621	Sarah Lawrence C.	98	0	0	98	0	0	0	0	0	0
622	IN U. South Bend	97	0	95	0	2	24	0	24	0	0
623	AR Tech U.	96 i	0 i	96 i	0 i	0 i	76 i	0 i	76 i	0 i	0 i
624	Andrews U.	95	0	91	0	4	5	0	5	0	0
625	U. MI-Flint	95	8	37	2	48	0	0	0	0	0
626	Pitzer C.	94 i	0 i	0 i	94 i	0 i	0	0	0	0	0
627	U. SC Upstate	93 i	39 i	30 i	10 i	14 i	12 i	1 i	6 i	0 i	5 i
628	SUNY C. Cortland	88	0	82	0	6	82	0	82	0	0
629	U. IL Springfield	86	13	35	38	0	34	0	34	0	0
630	Mercyhurst C.	84	0	41	0	43	0	0	0	0	0
631	Wilkes U.	82	0	82	0	0	49	0	49	0	0
632	IL Wesleyan U.	79	0	48	31	0	10	0	0	10	0
633	Simmons C.	79	0	77	2	0	62	0	62	0	0
634	Canisius C.	73	0	73	0	0	6	0	6	0	0
635	OH Wesleyan U.	73	0	73	0	0	25	0	25	0	0
636	Sinte Gleska U.	72	0	0	5	67	62	0	0	0	62
637	Benedictine U.	70	0	70	0	0	8	0	8	0	0
638	CO C.	70	0	70	0	0	50	0	50	0	0
639	Trinity U.	66	0	66	0	0	43	0	43	0	0
640	U. MI-Dearborn	66	66	0	0	0	0	0	0	0	0
641	Elizabethtown C.	65 i	0 i	65 i	0 i	0 i	61	0	61	0	0
642	U. WI-Parkside	65	0	65	0	0	0	0	0	0	0
643	Lawrence U.	60	0	60	0	0	41	0	41	0	0
644	New C. FL	60	0	60	0	0	44	0	44	0	0
645	U. TX of the Permian Basin	59	0	59	0	0	57	0	57	0	0
646	Hamilton C.	57	0	57	0	0	54	0	54	0	0
647	Northeastern IL U.	56	0	56	0	0	26	0	26	0	0
648	Purdue U. North Central	56	0	4	6	46	0	0	0	0	0
649	U. West GA	55	0	54	0	1	15	0	15	0	0
650	Hobart and William Smith Colleges	54	13	41	0	0	41	0	41	0	0
651	C. NJ, The	52	0	25	0	27	0	0	0	0	0
652	Gustavus Adolphus C.	52	0	50	2	0	0	0	0	0	0
653	PA State U. Worthington-Scranton	50	0	50	0	0	0	0	0	0	0
654	Lawrence Technological U.	46	0	46	0	0	46	0	46	0	0
655	PA State U. Altoona	44	0	44	0	0	0	0	0	0	0
656	PA State U. Erie, The Behrend C.	41	0	41	0	0	0	0	0	0	0
657	SUNY C. Potsdam	40	0	40	0	0	0	0	0	0	0

TABLE 23. Total and federally financed higher education R&D expenditures in the life sciences, ranked by all life sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
658	U. SC Beaufort	38 i	27 i	11 i	0 i	0 i	21 i	16 i	5 i	0 i	0 i
659	Adelphi U.	36	0	36	0	0	36	0	36	0	0
660	Seattle Pacific U.	36	0	36	0	0	0	0	0	0	0
661	Valparaiso U.	33	0	33	0	0	26	0	26	0	0
662	Loyola C.	32	0	12	0	20	20	0	0	0	20
663	PA State U. Berks	32	0	32	0	0	32	0	32	0	0
664	Saginaw Valley State U.	31	0	24	3	4	0	0	0	0	0
665	U. Redlands	30	0	30	0	0	30	0	30	0	0
666	CUNY John Jay C. of Criminal Justice	29	0	29	0	0	25	0	25	0	0
667	MS Valley State U.	27	0	0	14	13	27	0	0	14	13
668	U. MN Morris	25	0	25	0	0	0	0	0	0	0
669	Wabash C.	25	0	25	0	0	13	0	13	0	0
670	Youngstown State U.	24	0	22	0	2	0	0	0	0	0
671	Eastern OR U.	22	1	21	0	0	15	0	15	0	0
672	SUNY C. of A&T Cobleskill	22	22	0	0	0	0	0	0	0	0
673	Washington and Lee U.	21	0	21	0	0	21	0	21	0	0
674	St. Bonaventure U.	20	0	20	0	0	20	0	20	0	0
675	Allegheny C.	19	0	19	0	0	7	0	7	0	0
676	U. Houston-Clear Lake	18	0	18	0	0	3	0	3	0	0
677	U. WI-Superior	16	0	16	0	0	9	0	9	0	0
678	St. Mary's C. MD	11	0	11	0	0	0	0	0	0	0
679	AK Pacific U.	10	0	10	0	0	10	0	10	0	0
680	Coe C.	10	0	10	0	0	0	0	0	0	0
681	Eckerd C.	7	0	7	0	0	7	0	7	0	0
682	PA State U. Harrisburg	7	0	7	0	0	0	0	0	0	0
683	U. South FL Sarasota-Manatee	7	0	0	0	7	0	0	0	0	0
684	Western OR U.	5	0	5	0	0	5	0	5	0	0
685	Abilene Christian U.	4	0	4	0	0	0	0	0	0	0
686	Hampshire C.	4	4	0	0	0	4	4	0	0	0
687	Jacksonville State U.	3	0	3	0	0	0	0	0	0	0

TABLE 23. Total and federally financed higher education R&D expenditures in the life sciences, ranked by all life sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
688	PA State U. Beaver	3	0	3	0	0	0	0	0	0	0
689	CUNY New York City C. of Technology	1	0	0	0	1	0	0	0	0	0
690	North GA C. & State U.	1	0	1	0	0	0	0	0	0	0

i = imputed.

nec = not elsewhere classified.

<sup>a</sup> The Johns Hopkins University includes Applied Physics Laboratory, with \$31,508 in total and \$31,426 in federally financed R&D expenditures in life sciences in FY 2010.

NOTES: Institutions reporting zero expenditures in ranked total for FY 2010 are not listed in this table. Tied institutions are ranked alphabetically. Institutions ranked are geographically separate campuses headed by a campus-level president or chancellor. Some campuses are part of large multicampus universities; some are part of state university systems. For complete listing of campuses that belong to a larger university or system and their aggregate R&D expenditures, see table C-2.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.



TABLE 24. Total and federally financed higher education R&D expenditures in the mathematical sciences, ranked by total mathematical sciences R&D: FY 2010

(Dollars in thousands)

Rank	Institution	Total	Federally financed
	All institutions	598,921	418,995
1	Johns Hopkins U., The <sup>a</sup>	31,218	28,746
2	U. TX Austin	27,593	16,349
3	U. TX M. D. Anderson Cancer Ctr.	20,432	5,614
4	NC State U.	18,384	10,112
5	Rutgers, the State U. NJ-New Brunswick	14,763	9,494
6	U. MI-Ann Arbor	12,468	5,435
7	PA State U. University Park and Hershey Medical Ctr.	12,278	8,413
8	Brown U.	11,228	7,148
9	IA State U.	11,049	5,274
10	U. MN Twin Cities	10,904	8,258
11	Stanford U.	10,782	8,469
12	TX A&M U.	10,127	5,787
13	NY U.	9,244	8,639
14	Duke U.	8,921	6,903
15	Princeton U.	8,014	6,647
16	Boston C.	7,852 i	3,321
17	GA Institute of Technology	7,759	2,573
18	OH State U.	7,527	6,345
19	U. CA, Los Angeles	7,426	6,097
20	MA Institute of Technology	7,281	7,146
21	U. MD College Park	7,259	5,678
22	SUNY Stony Brook	7,129	4,383
23	U. CA, Berkeley	7,025	6,031
24	Purdue U. main campus	6,530	4,788
25	NM State U.	6,522	5,868
26	AZ State U.	6,412	4,966
27	U. WI-Madison	6,246	4,408
28	Harvard U.	6,078	5,994
29	Cornell U.	5,461	4,659
30	Rice U.	5,215	3,890
31	Naval Postgraduate School	5,181	4,913
32	U. WA Seattle	5,105	4,770
33	U. NE-Lincoln	5,039	1,790
34	Columbia U. in the City of New York	4,608	4,210
35	U. CA, San Diego	4,512	3,120
36	MI State U.	4,488	3,641
37	TX Tech U.	4,390	1,580
38	U. Chicago	4,355	4,034
39	Elizabeth City State U.	4,273	4,273
40	U. Pittsburgh main campus	4,114	2,589
41	NJ Institute of Technology	4,051	2,037
42	FL State U.	4,042	2,998
43	U. NC Chapel Hill	3,940	3,365
44	U. Southern CA	3,896	2,723
45	U. IL Urbana-Champaign	3,728	3,323
46	U. CA, Irvine	3,515	2,788
47	U. UT	3,509	3,063
48	U. CA, Davis	3,508	2,569
49	Clemson U.	3,499	731
50	Tulane U.	3,443	2,086

TABLE 24. Total and federally financed higher education R&D expenditures in the mathematical sciences, ranked by total mathematical sciences R&D: FY 2010

(Dollars in thousands)

Rank	Institution	Total	Federally financed
51	VA Polytechnic Institute and State U.	3,394	1,458
52	Air Force Institute of Technology	3,345	1,949
53	U. IL Chicago	3,184	2,249
54	Rensselaer Polytechnic Institute	3,114	2,703
55	Boston U.	3,089	2,546
56	Carnegie Mellon U.	3,040	2,877
57	U. FL	2,957	1,738
58	San Diego State U.	2,937	2,207
59	SUNY Buffalo	2,886	1,976
60	U. CO Boulder	2,881	2,623
61	U. PA	2,856	2,614
62	U. MA Amherst	2,817	1,687
63	U. AZ	2,753	2,189
64	Yale U.	2,698	2,157
65	U. Houston	2,662	1,495
66	OK State U. main campus	2,558	118
67	IN U. Bloomington	2,539	1,771
68	U. GA	2,497	1,958
69	U. SC Columbia	2,488	1,988
70	U. KY	2,445	1,892
71	Old Dominion U.	2,425	701
72	CA Institute of Technology	2,410	2,278
73	SUNY Binghamton	2,404	382
74	U.S. Military Academy	2,346	2,345
75	U. TX El Paso	2,333	1,388
76	Northwestern U.	2,325	1,982
77	U. NM	2,306	2,153
78	LA State U. and A&M C.	2,270	1,526
79	U. MO-Columbia	2,210	2,126
80	U. of Notre Dame	2,186	1,886
81	CO State U.	2,150	1,793
82	U. IA	1,957	1,654
83	U. AL Birmingham, The	1,920	1,549
84	VA Commonwealth U.	1,882	1,876
85	MI Technological U.	1,854	149
86	DE State U.	1,851	1,760
87	FL Atlantic U.	1,744	816
88	George Washington U.	1,744	1,055
89	MS State U.	1,721	536
90	CUNY Graduate Ctr.	1,508	1,483
91	Rockefeller U.	1,466	546
92	Western MI U.	1,417	1,374
93	U. DE	1,383	1,230
94	San Francisco State U.	1,361	1,093
95	U. CA, Santa Barbara	1,324	1,161
96	U. MD Baltimore County	1,311	254
97	U. TX Arlington	1,293	858
98	OR State U.	1,281	897
99	IL Institute of Technology	1,266	1,200
100	U. LA Lafayette	1,266	249

TABLE 24. Total and federally financed higher education R&D expenditures in the mathematical sciences, ranked by total mathematical sciences R&D: FY 2010

(Dollars in thousands)

Rank	Institution	Total	Federally financed
101	U. NC Charlotte	1,264	1,118
102	TX State U.-San Marcos	1,257	698
103	WA State U.	1,181	960
104	Vanderbilt U.	1,167	1,144
105	U. TX Dallas	1,161	223
106	Worcester Polytechnic Institute	1,104	958
107	Northeastern U.	1,075	983
108	U. KS	1,050	980
109	U. VA main campus	1,016	919
110	Emory U.	1,006	1,006
111	IN U.-Purdue U. Indianapolis	997	926
112	U. WI-Milwaukee	981	662
113	Southern Methodist U.	973	865
114	Brigham Young U.	966	928
115	MT State U. Bozeman	955	847
116	U. Richmond	931	393
117	Syracuse U.	919	848
118	Temple U.	909	711
119	U. CA, Riverside	892	685
120	Marquette U.	883	584
121	U. Cincinnati	855	176
122	U. Miami	847	759
123	Rowan U.	843	475
124	U. CT	827	676
125	U. South FL	827	496
126	KS State U.	822	337
127	George Mason U.	785	496
128	LA Tech U.	780	370
129	CA State U., Fullerton	770	515
130	Middle TN State U.	759	673
131	U. OR	755	724
132	U. TN Knoxville	748	561
133	CA State U., Dominguez Hills	734	688
134	Wayne State U.	728	617
135	U.S. Naval Academy	715	647
136	American U.	712	50
137	U. CA, Santa Cruz	690	407
138	Le Moyne-Owen C.	670	572
139	Ft. Valley State U.	667	667
140	U. Rochester	667	597
141	CA State U., Northridge	660	580
142	CO School of Mines	660	660
143	U. Memphis, The	660	406
144	Rochester Institute of Technology	642	595
145	Drexel U.	622	465
146	Southern IL U. Edwardsville	617	151
147	Carleton C.	609	218
148	U. CO Colorado Springs	591	583
149	Brandeis U.	590	590
150	CUNY C. Staten Island	578	300

TABLE 24. Total and federally financed higher education R&D expenditures in the mathematical sciences, ranked by total mathematical sciences R&D: FY 2010

(Dollars in thousands)

Rank	Institution	Total	Federally financed
151	Clarkson U.	574	496
152	C. of William and Mary and VA Institute of Marine Science	573	470
153	U. CO Denver and Health Sciences Ctr.	573	571
154	U. Central FL	570	458
155	Bryn Mawr C.	561	191
156	Dartmouth C.	561	446
157	TX A&M U.-Commerce	540	0
158	NY Institute of Technology	529	0
159	James Madison U.	525	509
160	U. ID	511	489
161	Rutgers, the State U. NJ-Newark	485	285
162	U. MA Lowell	481	87
163	Kent State U.	471	447
164	Case Western Reserve U.	470	313
165	Portland State U.	458	414
166	WV U.	457	177
167	Morgan State U.	433	409
168	PA State U. Harrisburg	430	348
169	Xavier U. LA	430	298
170	U. North TX	426	303
171	Auburn U. main campus	422	400
172	Southern IL U. Carbondale	419	313
173	Washington U. St. Louis	414	389
174	Harvey Mudd C.	410	329
175	UT State U.	394	352
176	IL State U.	387	376
177	Smith C.	380	356
178	U. WY	373	211
179	U. MA Dartmouth	372	238
180	Hampton U.	370	370
181	FL International U.	360	227
182	C. Charleston	359	359
183	Oakland U.	353	166
184	U. Northern CO	353	338
185	U. NV, Reno	349	343
186	Tufts U.	348	340
187	U. MT-Missoula, The	343	275
188	U. AR main campus	342	225
189	U. VT	341	260
190	Wright State U.	329	119
191	U. TX Pan American	328	263
192	John Carroll U.	320	255
193	U. Akron	318	199
194	U. AR Little Rock	318	280
195	Armstrong Atlantic State U.	309	309
196	Wichita State U.	309	264
197	U. CA, Merced	308	107
198	Alcorn State U.	307	307
199	Mt. Holyoke C.	306	122
200	Williams C.	305	156

TABLE 24. Total and federally financed higher education R&D expenditures in the mathematical sciences, ranked by total mathematical sciences R&D: FY 2010

(Dollars in thousands)

Rank	Institution	Total	Federally financed
201	Wesleyan U.	303	167
202	CUNY The City C.	295	245
203	Jackson State U.	291	253
204	NC Central U.	291	291
205	Miami U.	281	281
206	Howard U.	278	271
207	Sam Houston State U.	274	274
208	U. Denver	273	273
209	Macalester C.	271	144
210	Duquesne U.	270	156
211	Fayetteville State U.	265	265
212	Universidad Metropolitana	260	204
213	Stevens Institute of Technology	251	232
214	U. OK	250	226
215	Fairfield U.	246	66
216	U. Toledo	244	121
217	Truman State U.	238	206
218	SD State U.	236	236
219	East TN State U.	234	234
220	U.S. Air Force Academy	232	113
221	Western WA U.	231	49
222	Georgetown U.	229	229
223	Wiley C.	229	229
224	Savannah State U.	223	223
225	CA Polytechnic State U., San Luis Obispo	220	166
226	U. MN Duluth	216	167
227	U. PR Mayaguez	210	13
228	CA State U., East Bay	208	208
229	Humboldt State U.	208	205
230	Polytechnic U.	207	207
231	Barnard C.	206	206
232	Loyola U. Chicago	205	203
233	U. ME	203	153
234	AL A&M U.	201	201
235	U. AL, The	201	121
236	Calvin C.	198	87
237	Baylor U.	194	94
238	Franklin & Marshall C.	193	57
239	TX A&M U.-Corpus Christi	190	141
240	U. AL Huntsville, The	190	183
241	CUNY Herbert H. Lehman C.	185 i	141 i
242	Lafayette C.	183	168
243	San Jose State U.	183	174
244	U. TX San Antonio	178	94
245	Purdue U. Calumet	173	23
246	U. NC Asheville	172	74
247	Reed C.	171	171
248	Central MI U.	170	114
249	Lehigh U.	169	167
250	Saginaw Valley State U.	169	0

TABLE 24. Total and federally financed higher education R&D expenditures in the mathematical sciences, ranked by total mathematical sciences R&D: FY 2010

(Dollars in thousands)

Rank	Institution	Total	Federally financed
251	Northern IL U.	166	128
252	U. of St. Thomas (St. Paul, MN)	165	139
253	NC Agricultural and Technical State U.	163	140
254	U. SD	161	0
255	Pomona C.	160	145
256	TN State U.	159	159
257	Arcadia U.	157	157
258	C. of the Holy Cross	153	150
259	U. PR Rio Piedras	145	126
260	CUNY Queens C.	142	79
261	U. NH	142	127
262	Davidson C.	141	130
263	Western KY U.	141	8
264	GA State U.	140	47
265	West TX A&M U.	140	44
266	Murray State U.	139	139
267	CUNY Hunter C.	134	28
268	U. MO-St. Louis	134	116
269	Willamette U.	133	58
270	Villanova U.	131 i	75 i
271	FL A&M U.	128	126
272	SUNY Albany	125	125
273	U. Southern MS	125	125
274	OH U.	123	92
275	Andrews U.	118	62
276	Northern AZ U.	118	24
277	Morehouse C.	111	111
278	Tarleton State U.	110	72
279	East Carolina U.	106	70
280	Swarthmore C.	103	82
281	SUNY C. Geneseo	101	95
282	U. NV, Las Vegas	100	95
283	Loyola Marymount U.	99	71
284	St. Michael's C.	99	74
285	U. South AL	99	90
286	CA State U., Los Angeles	98	98
287	U. AR Pine Bluff	97	50
288	NM Institute of Mining and Technology	96	39
289	Northern KY U.	96	64
290	Southeastern LA U.	96	45
291	U. West GA	96	93
292	CA State U., Long Beach	95	95
293	U. Dayton	95	19
294	Wabash C.	95	89
295	U. Central AR	92	91
296	Hope C.	89	46
297	Clark U.	88	85
298	Valparaiso U.	88	88
299	ND State U.	87	49
300	Rose-Hulman Institute of Technology	87	82

TABLE 24. Total and federally financed higher education R&D expenditures in the mathematical sciences, ranked by total mathematical sciences R&D: FY 2010

(Dollars in thousands)

Rank	Institution	Total	Federally financed
301	SUNY New Paltz	85	85
302	St. Olaf C.	83	79
303	CUNY Brooklyn C.	81	61
304	Colby C.	80	51
305	Canisius C.	79	79
306	FL Institute of Technology	79	79
307	U. NC Greensboro	79	78
308	U. Central OK	78	34
309	PA State U. Altoona	75	61
310	Montclair State U.	74	69
311	Adelphi U.	71	71
312	DePaul U.	71	71
313	Dowling C.	68	68
314	Bucknell U.	67	58
315	Amherst C.	66	34
316	Auburn U. Montgomery	64	64
317	Youngstown State U.	64	63
318	Loyola C.	63	63
319	Bowdoin C.	62	61
320	U. NE Omaha	62	0
321	U. New Orleans	62	25
322	MO State U.	61	61
323	Ithaca C.	59	40
324	Boise State U.	58	55
325	Lamar U.	56	56
326	Central CT State U.	53	45
327	Ursinus C.	53	53
328	Wake Forest U.	53	47
329	LA State U. Shreveport	52	44
330	Northeastern IL U.	52	50
331	Central State U.	51	51
332	Clark Atlanta U.	51	51
333	Ball State U.	50	14
334	MO U. of Science and Technology	50	12
335	Radford U.	50	38
336	U. AK Fairbanks	48	46
337	U. WI-La Crosse	48	31
338	Rutgers, the State U. NJ-Camden	47	46
339	U. Portland	47	44
340	Grinnell C.	46	0
341	Stephen F. Austin State U.	46	12
342	Rider U.	44	44
343	St. Mary's C. MD	43	29
344	C. Wooster	42	0
345	Norfolk State U.	40	19
346	U. Houston-Downtown	40	32
347	Cleveland State U.	39	25
348	Grand Valley State U.	39	39
349	St. John's U. (Collegeville, MN)	39	0
350	Vassar C.	37	37

TABLE 24. Total and federally financed higher education R&D expenditures in the mathematical sciences, ranked by total mathematical sciences R&D: FY 2010

(Dollars in thousands)

Rank	Institution	Total	Federally financed
351	Agnes Scott C.	36	0
352	Pitzer C.	36 i	36
353	Towson U.	36	36
354	CO C.	35	15
355	Haverford C.	35 i	34
356	U. NC Wilmington	35	10
357	U. WI-Eau Claire	35	34
358	Eastern OR U.	34	0
359	Jarvis Christian C.	34	34
360	Mercer U.	34	0
361	Trinity U.	34	34
362	U. Houston-Clear Lake	34	32
363	Benedict C.	33	33
364	U. TX Brownsville	32	28
365	SD School of Mines and Technology	30	30
366	VA Military Institute	30	13
367	CA State U., Sacramento	29	26
368	TN Technological U.	29	25
369	TX Christian U.	29	25
370	U. Louisville	29	21
371	Barry U.	28	28
372	Furman U.	28	0
373	U. HI Manoa	28	0
374	William Paterson U. NJ	28	0
375	CUNY New York City C. of Technology	27	0
376	St. Louis U.	27	20
377	SUNY C. Brockport	26	14
378	Union C. (Schenectady, NY)	25	25
379	Eastern IL U.	24	24
380	Skidmore C.	24	0
381	Claremont McKenna C.	22	22
382	Colgate U.	22	0
383	Dickinson C.	21	0
384	North GA C. & State U.	20	0
385	PA State U. Erie, The Behrend C.	20	0
386	Seattle U.	20 i	0 i
387	Wellesley C.	20	20
388	Bradley U.	19	0
389	U. MA Boston	19	13
390	U. MI-Dearborn	19	0
391	VA State U.	19	19
392	CA State U., San Bernardino	18	0
393	McNeese State U.	18	6
394	U. MS and U. MS Medical Ctr.	18	18
395	CUNY Baruch C.	16	4
396	GA Southern U.	16	16
397	Middlebury C.	16	16
398	MS Valley State U.	16	16
399	St. Cloud State U.	16	0
400	U. North FL	16	0



TABLE 24. Total and federally financed higher education R&D expenditures in the mathematical sciences, ranked by total mathematical sciences R&D: FY 2010

(Dollars in thousands)

Rank	Institution	Total	Federally financed
401	Gonzaga U.	15	15
402	U. TN Martin	15	0
403	CO State U. Pueblo	14	14
404	Kalamazoo C.	14	0
405	IN U.-Purdue U. Ft. Wayne	13	0
406	U. MO-Kansas City	13	2
407	U. West FL	13	11
408	Denison U.	12 i	12 i
409	Indiana U. PA	12	0
410	Pepperdine U.	12	12
411	Loyola U. New Orleans	11	0
412	New C. FL	11	0
413	U. TN Chattanooga	11	0
414	Coe C.	10	0
415	CUNY John Jay C. of Criminal Justice	10	0
416	Eastern WA U.	10	0
417	Drake U.	9	0
418	Mercyhurst C.	9	0
419	Bates C.	8	0
420	Bowling Green State U.	8	6
421	CA State U., Chico	8	6
422	Mercy C.	8	0
423	TX Woman's U.	8	0
424	Benedictine U.	7	0
425	Concordia C.	7	0
426	CUNY Medgar Evers C.	7	0
427	Niagara U.	7	0
428	St. Joseph's U.	7	3
429	SUNY Institute of Technology at Utica-Rome	7	7
430	U. MI-Flint	7	0
431	Appalachian State U.	6	6
432	Coastal Carolina U.	6	6
433	IN U. South Bend	6	0
434	Kennesaw State U.	6	6
435	Lake Forest C.	6 i	0
436	Millsaps C.	5	5
437	Occidental C.	5	5
438	Trinity C. (Hartford, CT)	5	0
439	U. ND	5	5
440	U. PR Cayey	5	0
441	U. SC Aiken	5 i	3 i
442	C. NJ, The	4	4
443	Luther C.	4	0
444	MN State U. Mankato	4	0
445	U. Puget Sound	4	0
446	U. SC Beaufort	4 i	3 i
447	Central WA U.	3	3
448	Gettysburg C.	3	0
449	Kettering U.	3	3
450	SUNY C. Old Westbury	3 i	3 i

TABLE 24. Total and federally financed higher education R&D expenditures in the mathematical sciences, ranked by total mathematical sciences R&D: FY 2010

(Dollars in thousands)

Rank	Institution	Total	Federally financed
451	TX A&M International U.	3	0
452	U. NE Kearney	3	0
453	Winona State U.	3	0
454	Gallaudet U.	2	2
455	Oberlin C.	2	0
456	PA State U. Beaver	2	1
457	Southwestern OK State U.	2	0
458	U. SC Upstate	2 i	0 i
459	Northern MI U.	1	0
460	Purdue U. North Central	1	0
461	U. WI-Stevens Point	1	1

i = imputed.

<sup>a</sup> The Johns Hopkins University includes Applied Physics Laboratory, with \$29,127 in total and \$26,881 in federally financed R&D expenditures in mathematical sciences in FY 2010.

NOTES: Institutions reporting zero expenditures in ranked total for FY 2010 are not listed in this table. Tied institutions are ranked alphabetically. Institutions ranked are geographically separate campuses headed by a campus-level president or chancellor. Some campuses are part of large multicampus universities; some are part of state university systems. For complete listing of campuses that belong to a larger university or system and their aggregate R&D expenditures, see table C-2.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE 25. Total and federally financed higher education R&amp;D expenditures in the physical sciences, ranked by all physical sciences R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec	All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
	All institutions	4,624,575	572,733	1,751,352	2,002,723	297,767	3,380,137	405,131	1,201,243	1,556,125	217,638
1	CA Institute of Technology	219,624	9,509	35,612	174,503	0	207,180	8,814	27,019	171,347	0
2	U. AZ	185,402	139,665	23,709	22,028	0	116,546	86,953	16,771	12,822	0
3	Johns Hopkins U., The <sup>a</sup>	166,459	37,996	18,632	89,094	20,737	161,126	35,703	17,869	86,964	20,590
4	MA Institute of Technology	117,749	22,785	29,110	58,521	7,333	110,050	22,513	24,206	56,450	6,881
5	U. TX Austin	99,019	17,130	25,089	54,378	2,422	67,293	6,696	14,891	45,706	0
6	U. CO Boulder	95,345	49,968	24,007	19,218	2,152	83,595	45,559	20,336	16,158	1,542
7	U. CA, Berkeley	93,414	47,147	25,549	20,411	307	64,428	30,985	16,987	16,445	11
8	Stanford U.	92,552	0	23,622	4,862	64,068	70,967	0	19,361	4,450	47,156
9	Cornell U.	92,023	13,774	19,365	48,636	10,248	81,141	12,524	14,493	43,974	10,150
10	U. MD College Park	89,949	25,469	10,276	53,568	636	69,027	23,601	7,705	37,721	0
11	U. WI-Madison	89,792	8,063	23,499	33,404	24,826	65,976	3,461	14,694	27,617	20,204
12	MI State U.	73,110	0	8,292	64,818	0	48,369	0	5,665	42,704	0
13	U. CA, Los Angeles	72,020	0	20,935	50,087	998	54,589	0	16,429	38,160	0
14	FL State U.	66,360	30	11,539	54,770	21	31,298	20	6,283	24,990	5
15	U. IL Urbana-Champaign	61,191	4,226	30,092	26,873	0	48,467	3,032	22,576	22,859	0
16	U. CA, San Diego	57,596	0	26,387	29,296	1,913	43,885	0	21,626	21,142	1,117
17	PA State U. University Park and Hershey Medical Ctr.	57,203	11,998	22,972	22,233	0	37,647	6,974	14,078	16,595	0
18	U. Chicago	54,198	12,636	15,007	17,261	9,294	45,908	11,331	12,199	14,936	7,442
19	Harvard U.	52,451	7,151	28,723	16,555	22	45,657	7,041	22,544	16,072	0
20	Rutgers, the State U. NJ-New Brunswick	50,689	631	33,211	15,699	1,148	37,547	630	28,394	8,156	367
21	U. MI-Ann Arbor	49,218	4,851	24,923	19,444	0	32,226	3,344	15,923	12,959	0
22	U. CA, Santa Barbara	46,773	1,775	12,872	26,689	5,437	31,693	1,775	8,717	17,441	3,760
23	U. WA Seattle	45,396	6,533	23,010	15,853	0	40,910	4,629	20,609	15,672	0
24	Columbia U. in the City of New York	45,364	8,803	12,251	24,310	0	43,061	8,594	10,433	24,034	0
25	Boston U.	44,919	1,657	10,406	7,621	25,235	40,864	1,576	8,838	6,672	23,778
26	TX A&M U.	44,594	379	23,063	19,062	2,090	21,901	319	10,426	10,562	594
27	IN U. Bloomington	42,027	1,835	19,678	20,514	0	19,387	661	8,099	10,627	0
28	GA Institute of Technology	41,493	0	27,354	14,139	0	24,137	0	15,449	8,688	0
29	Northwestern U.	40,526	0	28,303	9,385	2,838	28,779	0	19,713	6,897	2,169
30	U. MN Twin Cities	40,299	2,229	13,179	24,891	0	30,789	1,669	8,730	20,390	0
31	U. HI Manoa	39,689	31,807	3,650	2,715	1,517	24,415	18,715	1,902	2,295	1,503
32	Princeton U.	38,429	6,634	12,319	19,476	0	26,653	4,792	7,383	14,478	0
33	U. CA, Santa Cruz	36,321	20,329	6,488	9,431	73	14,977	4,879	4,778	5,269	51
34	U. CA, Irvine	36,045	0	16,747	19,298	0	24,961	0	12,651	12,310	0
35	OH State U.	35,251	2,570	13,203	15,586	3,892	26,009	2,270	10,317	13,007	415

TABLE 25. Total and federally financed higher education R&D expenditures in the physical sciences, ranked by all physical sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec	All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
36	U. FL	34,958	5,987	14,739	12,883	1,349	23,941	3,641	9,397	10,762	141
37	U. SC Columbia	33,428	0	23,799	9,629	0	16,720	0	13,735	2,985	0
38	SUNY Stony Brook	33,371	0	18,983	14,063	325	19,191	0	8,695	10,496	0
39	U. NC Chapel Hill	33,177	0	26,032	7,145	0	28,754	0	23,240	5,514	0
40	U. MA Amherst	33,074	4,135	21,591	7,348	0	22,212	2,535	14,507	5,170	0
41	Purdue U. main campus	32,177	0	21,541	10,396	240	24,195	0	16,308	7,887	0
42	U. IA	32,040	1,177	8,513	22,350	0	24,813	1,074	3,337	20,402	0
43	U. PA	31,918	0	15,096	16,822	0	29,191	0	14,177	15,014	0
44	Yale U.	29,549	2,248	10,438	16,863	0	23,321	1,546	7,671	14,104	0
45	U. CA, Davis	28,367	0	12,479	8,452	7,436	19,114	0	9,467	5,505	4,142
46	U. UT	28,309	0	20,114	8,195	0	15,092	0	11,205	3,887	0
47	MT State U. Bozeman	27,162	0	14,833	8,258	4,071	22,554	0	12,523	6,576	3,455
48	U. Central FL	25,761	0	6,051	19,710	0	16,955	0	4,358	12,597	0
49	Wayne State U.	25,711	0	11,098	7,899	6,714	12,653	0	6,358	5,802	493
50	U. Pittsburgh main campus	24,666	397	16,002	6,406	1,861	14,637	393	10,043	4,201	0
51	Rice U.	24,506	0	11,238	13,268	0	16,956	0	6,822	10,134	0
52	Vanderbilt U.	24,489	0	15,577	8,912	0	21,377	0	13,703	7,674	0
53	VA Polytechnic Institute and State U.	24,242	79	16,791	6,927	445	12,428	62	8,959	3,161	246
54	WA State U.	23,606	196	8,298	14,394	718	16,207	103	5,493	9,988	623
55	Brown U.	23,530	189	7,758	9,185	6,398	14,749	67	4,071	4,786	5,825
56	AZ State U.	22,523	939	12,149	9,435	0	17,459	481	10,004	6,974	0
57	LA State U. and A&M C.	22,324	0	10,560	11,730	34	12,847	0	6,165	6,682	0
58	U. of Notre Dame	21,055	0	10,021	11,034	0	16,585	0	7,384	9,201	0
59	U. VA main campus	20,528	3,522	9,099	7,907	0	17,667	2,999	7,678	6,990	0
60	U. KS	19,992	459	16,909	2,624	0	14,758	443	11,875	2,440	0
61	Duke U.	19,714	0	8,787	10,927	0	14,886	0	4,837	10,049	0
62	U. OR	19,430	0	9,837	9,063	530	15,426	0	6,773	8,123	530
63	NC State U.	18,702	0	8,040	9,794	868	11,443	0	4,198	6,925	320
64	IA State U.	17,793	0	9,120	8,673	0	8,177	0	4,574	3,603	0
65	U. NE-Lincoln	17,648	0	5,195	12,453	0	11,636	0	2,257	9,379	0
66	NM State U.	17,246	6,305	9,121	1,647	173	11,162	2,158	7,423	1,424	157
67	NM Institute of Mining and Technology	17,213	0	1,120	16,093	0	13,977	0	776	13,201	0
68	U. TN Knoxville	17,056	0	6,531	10,525	0	13,108	0	4,427	8,681	0
69	SUNY Buffalo	16,848	0	12,805	3,967	76	8,777	0	6,660	2,117	0
70	ND State U.	16,810	0	7,262	378	9,170	13,112	0	5,924	203	6,985
71	Washington U. St. Louis	16,804	0	8,220	8,584	0	13,136	0	6,035	7,101	0
72	U. Toledo	16,793	819	3,042	11,923	1,009	8,508	541	2,035	5,179	753

TABLE 25. Total and federally financed higher education R&amp;D expenditures in the physical sciences, ranked by all physical sciences R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec	All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
73	Catholic U. America, The	16,324	0	747	6,108	9,469	12,107	0	640	5,880	5,587
74	Emory U.	16,214	0	14,851	1,363	0	9,094	0	8,056	1,038	0
75	U. PR Rio Piedras	16,098	0	11,264	4,834	0	13,639	0	10,173	3,466	0
76	U. MS and U. MS Medical Ctr.	15,942	0	1,989	13,953	0	13,206	0	1,802	11,404	0
77	U. DE	15,564	1,242	6,828	7,494	0	12,865	598	5,652	6,615	0
78	U. Akron	15,393	0	15,310	83	0	3,050	0	3,033	17	0
79	U. CA, Riverside	15,137	1,077	7,429	6,631	0	12,383	844	6,032	5,507	0
80	U. CA, San Francisco	14,961	0	14,961	0	0	10,880	0	10,880	0	0
81	Jackson State U.	14,610	0	3,898	3,654	7,058	13,804	0	3,727	3,482	6,595
82	U. TX M. D. Anderson Cancer Ctr.	14,501	0	14,501	0	0	7,395	0	7,395	0	0
83	U. Rochester	14,474	0	5,488	8,986	0	12,435	0	4,558	7,877	0
84	NY U.	14,293	0	8,802	5,491	0	12,527	0	8,309	4,218	0
85	U. NM	14,151	102	3,207	9,363	1,479	11,722	80	2,696	8,122	824
86	Northeastern U.	14,148	0	8,559	5,589	0	10,700	0	6,198	4,502	0
87	NJ Institute of Technology	14,113	0	2,113	12,000	0	10,254	0	983	9,271	0
88	U. Southern CA	14,063	158	11,559	1,907	439	9,841	141	7,838	1,423	439
89	U. CA Office of the President	13,739	13,617	0	122	0	0	0	0	0	0
90	U. MA Lowell	13,731	0	3,188	10,543	0	8,133	0	1,266	6,867	0
91	U. Southern MS	13,449	0	12,012	1,437	0	10,955	0	9,519	1,436	0
92	AL A&M U.	13,338	0	5	13,265	68	13,338	0	5	13,265	68
93	U. IL Chicago	13,212	0	7,562	5,650	0	9,718	0	5,248	4,470	0
94	U. OK	12,985	0	7,121	5,864	0	7,313	0	3,859	3,454	0
95	Kent State U.	12,835	0	5,073	2,736	5,026	5,503	0	1,623	2,010	1,870
96	Carnegie Mellon U.	12,402	0	4,970	5,985	1,447	9,771	0	3,305	5,019	1,447
97	Rensselaer Polytechnic Institute	12,294	0	4,252	8,042	0	9,379	0	3,490	5,889	0
98	U. AR main campus	12,239	209	5,867	6,163	0	7,424	56	3,925	3,443	0
99	Case Western Reserve U.	11,519	216	4,364	6,719	220	8,734	167	3,562	4,910	95
100	Clemson U.	11,428	0	6,969	4,459	0	5,697	0	3,328	2,369	0
101	U. AL Huntsville, The	11,207	5,996	401	3,179	1,631	10,448	5,779	370	2,809	1,490
102	U. TX Arlington	11,162	0	4,501	6,661	0	6,456	0	2,066	4,390	0
103	KS State U.	10,918	0	3,049	7,869	0	8,935	0	2,163	6,772	0
104	CO State U.	10,830	0	7,475	2,864	491	8,253	0	5,439	2,384	430
105	U. TX Dallas	10,825	0	0	0	10,825	6,009	0	0	0	6,009
106	Naval Postgraduate School	10,559	0	0	10,559	0	9,954	0	0	9,954	0
107	Temple U.	10,541	0	6,443	4,098	0	6,191	0	3,776	2,415	0
108	TX Tech U.	10,450	0	7,530	2,920	0	4,450	0	3,240	1,210	0
109	Boston C.	10,364 i	0 i	7,350 i	3,014 i	0 i	7,708	0	5,785	1,923	0
110	U. KY	10,364	0	5,689	4,674	1	6,347	0	3,492	2,855	0

TABLE 25. Total and federally financed higher education R&D expenditures in the physical sciences, ranked by all physical sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec	All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
111	Old Dominion U.	10,093	0	5,240	4,853	0	3,636	0	1,493	2,143	0
112	U. Houston	9,792	0	7,342	2,382	68	4,198	0	3,287	911	0
113	Rockefeller U.	9,373	0	6,415	2,958	0	5,277	0	4,421	856	0
114	Rochester Institute of Technology	9,247	0	264	1,559	7,424	6,147	0	152	1,281	4,714
115	OH U.	9,199	303	2,673	6,223	0	4,184	276	655	3,253	0
116	U. New Orleans	9,163	0	8,114	1,049	0	6,570	0	5,921	649	0
117	Portland State U.	9,101	0	4,845	4,249	7	6,988	0	3,936	3,052	0
118	U. MD Baltimore County	9,020	0	3,829	2,074	3,117	6,972	0	3,829	1,157	1,986
119	U. CT	8,918	0	5,392	3,526	0	6,807	0	3,908	2,899	0
120	U. NV, Reno	8,757	168	1,808	6,781	0	7,705	0	1,093	6,612	0
121	U. South FL	8,516	0	5,269	3,247	0	4,023	0	1,991	2,032	0
122	Northern IL U.	8,512	0	924	6,722	866	3,882	0	736	2,722	424
123	OK State U. main campus	8,440	0	3,085	5,355	0	2,752	0	878	1,874	0
124	Air Force Institute of Technology	8,398	0	0	8,398	0	5,345	0	0	5,345	0
125	Syracuse U.	8,383	0	2,142	6,241	0	5,356	0	1,296	4,060	0
126	U. WI-Milwaukee	8,301	0	3,129	5,004	168	5,765	0	2,041	3,724	0
127	GA State U.	8,201	0	4,577	3,624	0	4,985	0	2,895	2,090	0
128	ID State U.	8,084	0	1,665	6,419	0	6,037	0	648	5,389	0
129	Dartmouth C.	8,042	0	2,899	5,143	0	5,116	0	2,005	3,111	0
130	Hampton U.	7,919	0	262	7,657	0	7,919	0	262	7,657	0
131	Fisk U.	7,537	0	783	6,754	0	7,537	0	783	6,754	0
132	George Mason U.	7,357	5,115	242	1,385	615	6,459	4,945	59	1,143	312
133	Lehigh U.	7,286	0	3,688	3,598	0	5,163	0	2,791	2,372	0
134	U. NV, Las Vegas	7,109	0	2,066	5,043	0	6,482	0	1,757	4,725	0
135	MS State U.	7,064	0	4,840	1,978	246	2,197	0	1,383	803	11
136	U. AL, The	6,959	96	3,998	2,582	283	4,886	96	2,759	1,749	282
137	Western KY U.	6,955	1,819	2,373	2,619	144	4,584	1,551	1,338	1,644	51
138	Tufts U.	6,893	0	5,242	1,651	0	5,124	0	3,709	1,415	0
139	CUNY Hunter C.	6,849	0	5,172	1,677	0	3,978	0	3,094	884	0
140	U. Cincinnati	6,753	0	4,147	2,606	0	3,533	0	2,057	1,476	0
141	WV U.	6,320	0	2,675	3,645	0	4,196	0	1,908	2,288	0
142	Brandeis U.	6,258	0	2,841	3,417	0	5,445	0	2,263	3,182	0
143	U. MO-Columbia	6,230	0	2,509	3,721	0	6,162	0	2,508	3,654	0
144	CUNY The City C.	6,156	0	3,115	3,041	0	4,194	0	2,263	1,931	0
145	U. AL Birmingham, The	6,134	0	900	4,247	987	4,024	0	703	3,321	0
146	SUNY Binghamton	6,095	0	5,343	752	0	2,302	0	2,302	0	0
147	U. GA	6,039	576	3,882	1,581	0	4,398	576	2,459	1,363	0

TABLE 25. Total and federally financed higher education R&D expenditures in the physical sciences, ranked by all physical sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec	All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
148	CO School of Mines	6,004	0	2,415	3,589	0	5,504	0	2,080	3,424	0
149	San Diego State U.	5,961	490	3,731	1,375	365	3,602	431	1,768	1,038	365
150	U. AK Fairbanks	5,944	5,489	284	0	171	5,506	5,247	259	0	0
151	VA Commonwealth U.	5,850	0	4,597	1,253	0	4,888	0	3,635	1,253	0
152	U. RI	5,794	0	2,921	905	1,968	5,373	0	2,607	903	1,863
153	C. of William and Mary and VA Institute of Marine Science	5,497	0	852	4,645	0	4,444	0	623	3,821	0
154	FL International U.	5,404	0	2,108	2,407	889	4,353	0	1,655	1,952	746
155	U.S. Air Force Academy	5,332	0	1,059	4,273	0	3,350	0	391	2,959	0
156	U. North TX	5,217	0	4,402	815	0	3,718	0	3,137	581	0
157	Drexel U.	4,997	0	1,827	3,170	0	3,673	0	1,307	2,366	0
158	Auburn U. main campus	4,912	182	1,834	2,691	205	4,228	182	1,378	2,463	205
159	Brigham Young U.	4,826	105	3,216	1,505	0	3,901	76	2,541	1,284	0
160	U. TX San Antonio	4,729	0	1,670	3,059	0	1,763	0	589	1,174	0
161	Georgetown U.	4,717	0	2,519	2,198	0	4,335	0	2,409	1,926	0
162	Southern IL U. Carbondale	4,661	0	2,817	1,838	6	3,077	0	1,966	1,111	0
163	U. ME	4,645	0	740	3,905	0	1,993	0	309	1,684	0
164	U. Louisville	4,552	163	3,282	1,107	0	3,418	82	2,591	745	0
165	Duquesne U.	4,504	0	4,169	335	0	2,005	0	1,843	162	0
166	MI Technological U.	4,424	0	1,332	3,092	0	1,818	0	237	1,581	0
167	FL Atlantic U.	4,247	0	3,540	674	33	1,864	0	1,571	293	0
168	George Washington U.	4,158	0	1,098	3,060	0	2,674	0	547	2,127	0
169	OR State U.	4,041	0	3,332	709	0	2,952	0	2,297	655	0
170	U. CA, Merced	3,973	0	1,442	2,531	0	1,593	0	697	896	0
171	FL A&M U.	3,955	0	310	3,645	0	3,778	0	264	3,514	0
172	NC Agricultural and Technical State U.	3,634	0	316	3,264	54	3,389	0	282	3,056	51
173	San Francisco State U.	3,633	757	2,239	637	0	2,372	447	1,595	330	0
174	FL Institute of Technology	3,619	0	719	2,900	0	3,086	0	681	2,405	0
175	U. SD	3,558	0	2,819	739	0	2,054	0	1,820	234	0
176	Clark Atlanta U.	3,479	0	3,070	409	0	3,144	0	2,735	409	0
177	Wright State U.	3,463	0	694	1,983	786	1,715	0	179	851	685
178	Youngstown State U.	3,423	0	2,499	924	0	1,621	0	1,107	514	0
179	CA State U., Northridge	3,421	538	1,338	1,545	0	3,012	538	1,095	1,379	0
180	Clarkson U.	3,351	0	3,015	217	119	1,297	0	1,141	156	0
181	Oakland U.	3,347	0	1,295	2,052	0	2,832	0	960	1,872	0
182	U. AR Little Rock	3,303	292	2,647	0	364	1,605	277	1,328	0	0
183	Bowling Green State U.	3,295	0	3,293	2	0	1,981	0	1,981	0	0
184	Xavier U. LA	3,290	0	2,896	8	386	2,786	0	2,477	0	309

TABLE 25. Total and federally financed higher education R&amp;D expenditures in the physical sciences, ranked by all physical sciences R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec	All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
185	UT State U.	3,272	0	1,536	873	863	2,658	0	1,251	701	706
186	Wake Forest U.	3,237	0	971	2,266	0	2,144	0	778	1,366	0
187	SUNY C. of Environmental Science and Forestry	3,205	0	3,205	0	0	1,630	0	1,630	0	0
188	U. TX El Paso	3,166	0	2,265	685	216	2,123	0	1,634	335	154
189	U. ID	3,114	0	1,967	1,005	142	2,100	0	1,174	926	0
190	Baylor U.	3,056	0	1,583	1,473	0	886	0	413	473	0
191	IL Institute of Technology	3,030	0	388	2,642	0	2,745	0	264	2,481	0
192	Tulane U.	3,022	0	1,449	1,573	0	2,308	0	1,201	1,107	0
193	U. MT-Missoula, The	2,907	0	2,394	513	0	2,464	0	2,052	412	0
194	Western MI U.	2,894	0	1,846	1,048	0	2,558	0	1,584	974	0
195	U. NC Charlotte	2,887	0	534	2,353	0	1,627	0	323	1,304	0
196	U. PR Mayaguez	2,853	0	2,059	794	0	1,499	0	1,205	294	0
197	U. NH	2,843	0	1,746	1,097	0	2,404	0	1,498	906	0
198	U. Memphis, The	2,792	0	1,761	1,031	0	1,558	0	857	701	0
199	U. Denver	2,779	0	1,829	950	0	2,420	0	1,546	874	0
200	U. WY	2,774	0	1,870	904	0	2,496	0	1,726	770	0
201	Howard U.	2,768	0	978	1,790	0	2,657	0	892	1,765	0
202	Southern IL U. Edwardsville	2,746	64	1,477	1,205	0	638	9	341	288	0
203	Southern Methodist U.	2,660	0	666	1,994	0	2,028	0	199	1,829	0
204	U. TX Brownsville	2,578	2,568	0	0	10	2,276	2,276	0	0	0
205	MO State U.	2,571	92	326	336	1,817	2,562	92	326	327	1,817
206	U.S. Naval Academy	2,563	0	1,794	769	0	2,508	0	1,782	726	0
207	U. Miami	2,548	0	1,258	1,290	0	2,278	0	1,021	1,257	0
208	SD State U.	2,510	0	2,472	38	0	1,124	0	1,124	0	0
209	U. MO-St. Louis	2,483	0	2,163	320	0	1,997	0	1,701	296	0
210	U. MA Dartmouth	2,421	0	1,768	653	0	956	0	682	274	0
211	U. Tulsa	2,397	0	2,130	267	0	1,461	0	1,272	189	0
212	MO U. of Science and Technology	2,338	0	1,733	605	0	2,022	0	1,504	518	0
213	U. NC Greensboro	2,254	0	1,886	368	0	1,760	0	1,423	337	0
214	DE State U.	2,234	0	674	1,510	50	2,023	0	672	1,351	0
215	SUNY Albany	2,231	0	2,011	220	0	1,653	0	1,514	139	0
216	LA Tech U.	2,200	0	937	1,263	0	1,029	0	313	716	0
217	CA State U., Los Angeles	2,106	0	1,814	292	0	2,091	0	1,799	292	0
218	San Jose State U.	2,085	0	1,083	967	35	1,878	0	958	920	0
219	Wesleyan U.	2,062	477	1,288	297	0	1,397	337	850	210	0
220	U. MO-Kansas City	1,987	0	928	1,059	0	1,012	0	520	492	0



TABLE 25. Total and federally financed higher education R&amp;D expenditures in the physical sciences, ranked by all physical sciences R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec	All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
221	Norfolk State U.	1,933	0	1,050	883	0	1,631	0	1,025	606	0
222	U. NC Wilmington	1,866	49	1,679	103	35	1,329	49	1,166	94	20
223	U. MN Duluth	1,839	0	1,592	247	0	794	0	602	192	0
224	AR State U. main campus	1,817	0	378	1,439	0	1,783	0	344	1,439	0
225	U. PR Humacao	1,805 i	0 i	1,132 i	673 i	0 i	1,804 i	0 i	1,131 i	673 i	0 i
226	U. ND	1,789	0	1,640	149	0	1,191	0	1,084	107	0
227	U. VT	1,722	0	1,002	720	0	1,194	0	691	503	0
228	CUNY Brooklyn C.	1,721	0	1,301	420	0	1,367	0	1,081	286	0
229	C. Charleston	1,705	356	1,285	64	0	821	356	401	64	0
230	CA State U., Fullerton	1,702	0	1,114	588	0	1,102	0	647	455	0
231	U. LA Lafayette	1,689	0	324	1,365	0	490	0	3	487	0
232	Furman U.	1,686	0	1,639	47	0	1,025	0	979	46	0
233	IN U.-Purdue U. Indianapolis	1,648	0	1,154	494	0	859	0	643	216	0
234	Spelman C.	1,646	0	1,417	229	0	1,646	0	1,417	229	0
235	American U.	1,628	0	641	987	0	676	0	93	583	0
236	NC Central U.	1,611	0	107	1,504	0	1,611	0	107	1,504	0
237	TX State U.-San Marcos	1,607	0	756	33	818	1,154	0	366	9	779
238	Hope C.	1,601	33	1,179	389	0	1,311	32	946	333	0
239	Clafin U.	1,568	0	1,568	0	0	1,565	0	1,565	0	0
240	U.S. Military Academy	1,562 i	0 i	1,314 i	248 i	0 i	1,558 i	0 i	1,311 i	247 i	0 i
241	Williams C.	1,529	162	867	394	106	1,181	105	766	310	0
242	East Carolina U.	1,519	0	299	1,220	0	1,429	0	210	1,219	0
243	Wichita State U.	1,515	0	1,493	22	0	1,056	0	1,056	0	0
244	U. Richmond	1,514	0	995	519	0	1,218	0	761	457	0
245	CUNY C. Staten Island	1,483	0	1,456	1	26	394	0	371	1	22
246	St. Louis U.	1,477	0	1,280	197	0	1,151	0	954	197	0
247	Calvin C.	1,449	0	1,351	98	0	1,005	0	961	44	0
248	Southern U. Baton Rouge	1,428	0	567	861	0	1,368	0	567	801	0
249	Marquette U.	1,427	0	1,353	74	0	1,132	0	1,059	73	0
250	CA Polytechnic State U., San Luis Obispo	1,378	0	185	986	207	1,175	0	145	866	164
251	CUNY Queens C.	1,362	0	911	451	0	1,126	0	806	320	0
252	Fayetteville State U.	1,276	0	1,276	0	0	1,276	0	1,276	0	0
253	Rutgers, the State U. NJ-Newark	1,273	0	938	335	0	991	0	720	271	0
254	Boise State U.	1,225	0	393	832	0	1,100	0	359	741	0
255	Rose-Hulman Institute of Technology	1,209	0	275	934	0	1,049	0	183	866	0
256	Bryn Mawr C.	1,187	0	686	501	0	380	0	182	198	0
257	Chapman U.	1,181	0	665	516	0	931	0	573	358	0
258	U. WI-Stevens Point	1,168	0	82	90	996	1,034	0	3	77	954

TABLE 25. Total and federally financed higher education R&amp;D expenditures in the physical sciences, ranked by all physical sciences R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec	All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
259	Skidmore C.	1,149	0	123	12	1,014	998	0	88	0	910
260	IL State U.	1,136	0	985	151	0	843	0	737	106	0
261	U. North FL	1,109	0	0	1,109	0	1,016	0	0	1,016	0
262	Grinnell C.	1,068	0	991	77	0	802	0	802	0	0
263	Amherst C.	1,053	0	694	359	0	361	0	106	255	0
264	Oberlin C.	1,049	0	730	319	0	892	0	619	273	0
265	U. WI-La Crosse	1,026	0	950	76	0	805	0	748	57	0
266	Western WA U.	1,016	227	789	0	0	487	93	394	0	0
267	Embry-Riddle Aeronautical U.	1,013	0	0	672	341	895	0	0	554	341
268	Haverford C.	1,003 i	147 i	627 i	229 i	0 i	495	67	236	192	0
269	Trinity U.	999	0	950	49	0	644	0	597	47	0
270	Grambling State U.	993	0	391	123	479	993	0	391	123	479
271	CA State U., Long Beach	986	0	842	144	0	808	0	687	121	0
272	CA State U., Sacramento	986	35	928	23	0	860	0	860	0	0
273	NM Highlands U.	980	0	980	0	0	793	0	793	0	0
274	Northern AZ U.	967	539	415	11	2	644	423	209	11	1
275	CT C.	964	0	838	126	0	620	0	539	81	0
276	Armstrong Atlantic State U.	960	0	960	0	0	960	0	960	0	0
277	TX Southern U.	946	0	0	946	0	59	0	0	59	0
278	TX A&M U.-Commerce	942	0	592	350	0	674	0	431	243	0
279	Franklin & Marshall C.	941	239	665	37	0	621	239	382	0	0
280	Harvey Mudd C.	937	0	690	247	0	812	0	599	213	0
281	U. WI-Eau Claire	934	5	831	4	94	689	2	683	4	0
282	U. MA Boston	932	0	688	244	0	716	0	481	235	0
283	Hamilton C.	931	0	598	333	0	412	0	292	120	0
284	U. TX of the Permian Basin	926	0	300	626	0	322	0	0	322	0
285	Clark U.	925	0	548	377	0	714	0	395	319	0
286	U. of the Sciences Philadelphia	920	0	536	0	384	298	0	298	0	0
287	Union C. (Schenectady, NY)	913	0	691	169	53	799	0	630	169	0
288	Prairie View A&M U.	894	358	320	216	0	685	358	217	110	0
289	Santa Clara U.	889	0	616	273	0	809	0	592	217	0
290	Bucknell U.	881	0	580	292	9	497	0	309	188	0
291	TN State U.	842	518	79	85	160	354	53	56	85	160
292	Haskell Indian Nations U.	841	0	0	0	841	841	0	0	0	841
293	Morgan State U.	839	0	767	72	0	802	0	767	35	0
294	Wellesley C.	839	294	305	240	0	723	292	191	240	0
295	Worcester Polytechnic Institute	830	0	655	175	0	594	0	488	106	0

TABLE 25. Total and federally financed higher education R&D expenditures in the physical sciences, ranked by all physical sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec	All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
296	Elizabeth City State U.	821	0	821	0	0	821	0	821	0	0
297	Villanova U.	811 i	467 i	273 i	71 i	0 i	463 i	266 i	156 i	41 i	0 i
298	GA Southern U.	805	132	529	118	26	670	132	455	57	26
299	James Madison U.	799	0	317	482	0	650	0	189	461	0
300	U. CO Colorado Springs	798	0	52	731	15	639	0	14	610	15
301	Sam Houston State U.	796	0	761	35	0	636	0	636	0	0
302	Siena C.	787	0	74	713	0	771	0	58	713	0
303	Stevens Institute of Technology	781	0	0	781	0	781	0	0	781	0
304	Polytechnic U.	776	0	0	776	0	484	0	0	484	0
305	SD School of Mines and Technology	771	0	633	138	0	699	0	561	138	0
306	U. South AL	771	0	596	175	0	576	0	410	166	0
307	Central MI U.	764	0	374	390	0	503	0	206	297	0
308	Lincoln U. (Jefferson City, MO)	748	0	0	748	0	748	0	0	748	0
309	Cleveland State U.	742	0	665	77	0	269	0	256	13	0
310	Swarthmore C.	733	86	390	257	0	392	64	129	199	0
311	Mt. Holyoke C.	727	0	515	212	0	511	0	338	173	0
312	Whitman C.	722	1	386	0	335	387	1	386	0	0
313	U. CO Denver and Health Sciences Ctr.	702	263	88	311	40	662	263	79	311	9
314	Creighton U.	690 i	0 i	308 i	382 i	0 i	605	0	265	340	0
315	U. Central AR	674	0	663	11	0	629	0	621	8	0
316	U. of the Pacific	671	0	575	96	0	658	0	562	96	0
317	Washington and Lee U.	662	0	394	268	0	394	0	394	0	0
318	Loyola U. Chicago	648	0	648	0	0	534	0	534	0	0
319	Colby C.	636	0	509	127	0	527	0	435	92	0
320	Macalester C.	631	80	402	149	0	228	0	143	85	0
321	Colgate U.	628	95	257	276	0	493	69	219	205	0
322	Carleton C.	621	81	219	321	0	264	81	50	133	0
323	Eastern MI U.	608	0	592	16	0	501	0	485	16	0
324	Lawrence U.	606	0	479	127	0	581	0	455	126	0
325	DePaul U.	604	0	202	402	0	565	0	195	370	0
326	Christopher Newport U.	593	0	0	593	0	591	0	0	591	0
327	SUNY C. Geneseo	593	0	102	491	0	343	0	0	343	0
328	Occidental C.	591	0	216	375	0	263	0	27	236	0
329	Pomona C.	591	81	405	105	0	154	50	66	38	0
330	FL Gulf Coast U.	589	47	542	0	0	585	43	542	0	0
331	Towson U.	588	41	449	98	0	556	41	417	98	0
332	Northern KY U.	587	0	458	129	0	344	0	240	104	0
333	Bates C.	581	0	271	246	64	300	0	151	85	64

TABLE 25. Total and federally financed higher education R&D expenditures in the physical sciences, ranked by all physical sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec	All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
334	Morehouse C.	579	0	413	147	19	579	0	413	147	19
335	Fairfield U.	578	0	305	273	0	205	0	44	161	0
336	Dillard U.	568	0	465	103	0	102	0	88	14	0
337	Pace U.	558	0	506	52	0	52	0	0	52	0
338	Abilene Christian U.	556	0	0	556	0	537	0	0	537	0
339	Smith C.	550	12	466	72	0	492	9	425	58	0
340	Seton Hall U.	531	6	525	0	0	0	0	0	0	0
341	New C. FL	529	0	95	434	0	470	0	53	417	0
342	Middlebury C.	522	87	384	51	0	522	87	384	51	0
343	Barnard C.	519	0	270	249	0	471	0	227	244	0
344	U. TX Pan American	516	0	283	233	0	229	0	14	215	0
345	TX Christian U.	512	0	338	174	0	213	0	64	149	0
346	Kennesaw State U.	510	0	510	0	0	330	0	330	0	0
347	C. of the Holy Cross	498	0	475	23	0	418	0	418	0	0
348	Seattle U.	498	0	435	63	0	148	0	108	40	0
349	Middle TN State U.	496	0	495	1	0	261	0	261	0	0
350	U. San Diego	496	0	459	37	0	362	0	325	37	0
351	Murray State U.	491	0	373	118	0	320	0	250	70	0
352	U. Houston-Downtown	488	0	46	0	442	431	0	0	0	431
353	Claremont McKenna C.	485	5	480	0	0	480	0	480	0	0
354	St. John's U. (Jamaica, NY)	483	0	483	0	0	216	0	216	0	0
355	Appalachian State U.	451	230	221	0	0	328	171	157	0	0
356	C. Wooster	437	0	282	155	0	167	0	104	63	0
357	CUNY John Jay C. of Criminal Justice	420	0	95	325	0	406	0	81	325	0
358	Agnes Scott C.	411	60	233	118	0	366	50	216	100	0
359	MT Tech of the U. MT	411	0	411	0	0	411	0	411	0	0
360	U. Northern IA	411	0	265	146	0	85	0	80	5	0
361	Valparaiso U.	408	112	17	279	0	217	66	0	151	0
362	Ithaca C.	403	0	80	323	0	199	0	0	199	0
363	Morehead State U.	403	403	0	0	0	225	225	0	0	0
364	Marshall U.	400	0	282	118	0	299	0	214	85	0
365	Coe C.	396	0	38	358	0	322	0	0	322	0
366	SUNY C. Potsdam	388	0	388	0	0	364	0	364	0	0
367	Gonzaga U.	386	0	386	0	0	341	0	341	0	0
368	U. AR Pine Bluff	383	0	383	0	0	295	0	295	0	0
369	East TN State U.	382	242	117	23	0	299	183	116	0	0
370	Hampshire C.	374	14	0	15	345	338	13	0	14	311

TABLE 25. Total and federally financed higher education R&D expenditures in the physical sciences, ranked by all physical sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec	All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
371	Southeastern LA U.	373	0	105	268	0	101	0	2	99	0
372	IN U. South Bend	370	0	50	320	0	231	0	0	231	0
373	U. NE Kearney	358	0	277	78	3	198	0	195	0	3
374	Purdue U. Calumet	354	0	354	0	0	240	0	240	0	0
375	Chicago State U.	345	0	345	0	0	345	0	345	0	0
376	SC State U.	342	0	0	0	342	341	0	0	0	341
377	Stephen F. Austin State U.	340	0	340	0	0	0	0	0	0	0
378	TX A&M International U.	329	0	19	310	0	301	0	0	301	0
379	U. West GA	322	0	206	116	0	91	0	60	31	0
380	Drake U.	317	0	74	228	15	225	0	0	225	0
381	Augustana C. (Sioux Falls, SD)	315	0	215	100	0	298	0	215	83	0
382	C. NJ, The	313	0	281	32	0	248	0	248	0	0
383	Concordia C.	304	0	196	108	0	255	0	152	103	0
384	Grand Valley State U.	299	97	144	55	3	126	0	78	48	0
385	MN State U. Mankato	297	0	295	2	0	244	0	244	0	0
386	Trinity C. (Hartford, CT)	295	0	49	246	0	255	0	18	237	0
387	Washington and Jefferson C.	294	0	294	0	0	155	0	155	0	0
388	Ball State U.	293	0	197	96	0	199	0	150	49	0
389	Albany State U.	290	0	290	0	0	276	0	276	0	0
390	Willamette U.	290	0	240	50	0	170	0	170	0	0
391	Denison U.	284 i	0 i	36 i	248 i	0 i	242 i	0 i	0 i	242 i	0 i
392	CA State U., Chico	283	0	57	156	70	220	0	0	156	64
393	Fordham U.	282	0	52	230	0	59	0	22	37	0
394	Millsaps C.	282	0	282	0	0	0	0	0	0	0
395	U. MD Eastern Shore	282	0	282	0	0	195	0	195	0	0
396	Central WA U.	281	0	180	101	0	203	0	123	80	0
397	Tuskegee U.	281	0	135	146	0	216	0	114	102	0
398	Wilkes U.	279	0	279	0	0	265	0	265	0	0
399	St. Olaf C.	278	0	31	247	0	239	0	1	238	0
400	U. NE Omaha	266	0	129	137	0	126	0	78	48	0
401	U. MI-Dearborn	260	0	0	0	260	0	0	0	0	0
402	Weber State U.	255	0	167	88	0	79	0	13	66	0
403	Black Hills State U.	254	0	37	217	0	179	0	28	151	0
404	CA State U., Bakersfield	254	0	110	144	0	100	0	0	100	0
405	Vassar C.	254	0	123	131	0	254	0	123	131	0
406	Lafayette C.	253	0	229	24	0	228	0	204	24	0
407	CUNY Herbert H. Lehman C.	251 i	0 i	17 i	234 i	0 i	204 i	0 i	0 i	204 i	0 i
408	SUNY C. Plattsburgh	251	0	0	251	0	158	0	0	158	0

TABLE 25. Total and federally financed higher education R&D expenditures in the physical sciences, ranked by all physical sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec	All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
409	TX A&M U.-Kingsville	250	0	157	93	0	192	0	118	74	0
410	SUNY Fredonia	248	0	248	0	0	70	0	70	0	0
411	Coastal Carolina U.	246	0	245	0	1	56	0	55	0	1
412	Hobart and William Smith Colleges	245	0	135	105	5	205	0	100	105	0
413	Niagara U.	244	0	244	0	0	0	0	0	0	0
414	Lewis & Clark C.	243	38	118	87	0	105	0	58	47	0
415	U. Portland	243	0	30	213	0	0	0	0	0	0
416	Gettysburg C.	242	0	0	242	0	235	0	0	235	0
417	Yeshiva U.	241	0	0	241	0	241	0	0	241	0
418	CA State U., San Bernardino	240	68	172	0	0	68	68	0	0	0
419	Western IL U.	240	0	240	0	0	235	0	235	0	0
420	IL Wesleyan U.	237	0	166	71	0	124	0	124	0	0
421	OH Wesleyan U.	232	0	24	208	0	178	0	0	178	0
422	MA C. of Pharmacy and Health Sciences	229	0	229	0	0	35	0	35	0	0
423	Southwestern OK State U.	229	0	229	0	0	209	0	209	0	0
424	Reed C.	228	0	172	56	0	49	0	49	0	0
425	U. Dayton	227	0	88	139	0	124	0	17	107	0
426	Western Carolina U.	225	0	225	0	0	74	0	74	0	0
427	U. Detroit Mercy	224	0	216	8	0	163	0	163	0	0
428	U. WI-Platteville	224	0	224	0	0	0	0	0	0	0
429	U. WI-River Falls	224	0	12	212	0	125	0	0	125	0
430	Roanoke C.	223 i	0 i	223 i	0 i	0 i	75 i	0 i	75 i	0 i	0 i
431	CA State U., Fresno	220	0	10	175	35	124	0	0	124	0
432	Ursinus C.	218	0	139	79	0	92	0	13	79	0
433	U. NC Asheville	217	133	27	0	57	176	92	27	0	57
434	TN Technological U.	216	0	77	139	0	180	0	52	128	0
435	Shaw U.	212 i	0 i	0 i	0 i	212 i	212 i	0 i	0 i	0 i	212 i
436	Dickinson C.	211	5	47	159	0	141	5	4	132	0
437	Rhodes C.	206	0	92	114	0	194	0	80	114	0
438	U. PR Cayey	206	0	181	25	0	192	0	167	25	0
439	SUNY C. Buffalo	205	0	0	205	0	163	0	0	163	0
440	Allegheny C.	203	0	102	101	0	173	0	79	94	0
441	Wheeling Jesuit U.	203	203	0	0	0	203	203	0	0	0
442	TX Woman's U.	202	0	202	0	0	44	0	44	0	0
443	Miami U.	201	0	0	201	0	142	0	0	142	0
444	Roger Williams U.	200	0	200	0	0	182	0	182	0	0
445	Gustavus Adolphus C.	198	0	126	72	0	93	0	23	70	0

TABLE 25. Total and federally financed higher education R&D expenditures in the physical sciences, ranked by all physical sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec	All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
446	William Paterson U. NJ	198	0	153	45	0	0	0	0	0	0
447	St. Mary's C. MD	197	0	71	126	0	166	0	46	120	0
448	Loyola U. New Orleans	191	0	188	3	0	101	0	101	0	0
449	Lamar U.	190	0	190	0	0	38	0	38	0	0
450	Davidson C.	189	0	19	170	0	135	0	0	135	0
451	DePauw U.	189	7	120	62	0	88	0	57	31	0
452	Southeastern OK State U.	189	0	189	0	0	171	0	171	0	0
453	Hofstra U.	187	5	1	181	0	176	5	0	171	0
454	Bowdoin C.	181	69	69	43	0	109	56	10	43	0
455	North GA C. & State U.	176	0	40	136	0	176	0	40	136	0
456	CO C.	175	0	123	52	0	150	0	103	47	0
457	LA State U. Shreveport	175	0	175	0	0	161	0	161	0	0
458	Kalamazoo C.	174	0	112	62	0	36	0	36	0	0
459	VA Military Institute	174	0	159	15	0	82	0	82	0	0
460	Goucher C.	171	0	144	27	0	171	0	144	27	0
461	U. WI-Oshkosh	166	21	132	13	0	103	21	80	2	0
462	Montclair State U.	164	0	164	0	0	55	0	55	0	0
463	Eastern WA U.	157	0	157	0	0	0	0	0	0	0
464	Ft. Valley State U.	157	0	157	0	0	157	0	157	0	0
465	Indiana U. PA	157	0	116	40	1	96	0	82	14	0
466	Juniata C.	156	0	62	94	0	43	0	0	43	0
467	CA State U., East Bay	155	0	98	57	0	119	0	62	57	0
468	Wabash C.	155	0	128	27	0	92	0	65	27	0
469	Loyola Marymount U.	154	0	113	41	0	82	0	54	28	0
470	Eastern IL U.	153	0	148	5	0	91	0	91	0	0
471	SUNY C. Old Westbury	153 i	0 i	153 i	0 i	0 i	80 i	0 i	80 i	0 i	0 i
472	Augustana C. (Rock Island, IL)	149	0	138	11	0	64	0	64	0	0
473	Northeastern State U.	146	0	146	0	0	115	0	115	0	0
474	St. Michael's C.	146	12	134	0	0	114	12	102	0	0
475	Eastern OR U.	144	0	129	15	0	101	0	98	3	0
476	KY State U.	143	0	0	0	143	143	0	0	0	143
477	TX A&M U.-Corpus Christi	143	0	63	0	80	93	0	23	0	70
478	West Chester U. PA	143 i	143 i	0 i	0 i	0 i	143 i	143 i	0 i	0 i	0 i
479	CA State U., Dominguez Hills	141	64	29	48	0	139	64	27	48	0
480	CUNY Medgar Evers C.	141	0	0	0	141	141	0	0	0	141
481	U. NC Pembroke	137	4	133	0	0	4	4	0	0	0
482	U. Northern CO	137	0	76	61	0	75	0	37	38	0
483	NJ City U.	135	0	135	0	0	132	0	132	0	0

TABLE 25. Total and federally financed higher education R&D expenditures in the physical sciences, ranked by all physical sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec	All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
484	Eastern KY U.	134	3	131	0	0	85	0	85	0	0
485	Long Island U.	131 i	0 i	131 i	0 i	0 i	125 i	0 i	125 i	0 i	0 i
486	Pacific Lutheran U.	131	0	131	0	0	95	0	95	0	0
487	Rowan U.	131	0	15	116	0	131	0	15	116	0
488	Mercer U.	128	0	125	3	0	0	0	0	0	0
489	Central State U.	127	0	127	0	0	127	0	127	0	0
490	McNeese State U.	127	0	100	27	0	19	0	7	12	0
491	Muhlenberg C.	125	0	84	41	0	41	0	0	41	0
492	Elizabethtown C.	124 i	0 i	124 i	0 i	0 i	66	0	66	0	0
493	PA State U. Berks	123	25	76	22	0	123	25	76	22	0
494	IN U. Southeast	121	0	0	0	121	12	0	0	0	12
495	CUNY Baruch C.	120	0	7	113	0	108	0	0	108	0
496	Pittsburg State U.	119	0	40	79	0	94	0	15	79	0
497	Angelo State U.	116	0	28	88	0	59	0	0	59	0
498	U. Houston-Clear Lake	115	0	91	24	0	0	0	0	0	0
499	Hendrix C.	114	0	100	14	0	0	0	0	0	0
500	U. DC	112	0	112	0	0	56	0	56	0	0
501	CO State U. Pueblo	111	0	97	14	0	76	0	62	14	0
502	Jacksonville U.	111	0	111	0	0	9	0	9	0	0
503	St. Bonaventure U.	108	0	108	0	0	108	0	108	0	0
504	U. Southern ME	108	11	97	0	0	97	0	97	0	0
505	Luther C.	102	0	30	72	0	69	0	0	69	0
506	PA State U. Worthington-Scranton	102	0	51	51	0	0	0	0	0	0
507	St. Cloud State U.	102	0	44	58	0	55	0	0	55	0
508	Truman State U.	101	19	58	24	0	50	15	35	0	0
509	U. Redlands	101	101	0	0	0	100	100	0	0	0
510	U. of St. Thomas (St. Paul, MN)	100	0	45	55	0	19	0	0	19	0
511	Northwestern State U.	98	0	98	0	0	44	0	44	0	0
512	SUNY C. Brockport	98	0	94	4	0	93	0	89	4	0
513	Benedict C.	97	0	97	0	0	97	0	97	0	0
514	CA State Polytechnic U., Pomona	96	93	3	0	0	96	93	3	0	0
515	Frostburg State U.	96	0	0	96	0	0	0	0	0	0
516	IN State U.	96	0	17	79	0	93	0	15	78	0
517	U. MN Morris	96	0	3	93	0	94	0	1	93	0
518	Benedictine U.	91	0	77	14	0	16	0	16	0	0
519	St. John's U. (Collegeville, MN)	85	0	68	17	0	0	0	0	0	0
520	PA State U. Erie, The Behrend C.	83	0	41	42	0	0	0	0	0	0



TABLE 25. Total and federally financed higher education R&D expenditures in the physical sciences, ranked by all physical sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec	All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
521	Seattle Pacific U.	82	0	82	0	0	57	0	57	0	0
522	Lincoln U. of the Commonwealth of PA	79	0	0	79	0	79	0	0	79	0
523	Saginaw Valley State U.	78	0	76	2	0	0	0	0	0	0
524	Adelphi U.	76	0	0	76	0	76	0	0	76	0
525	Jarvis Christian C.	76	0	76	0	0	60	0	60	0	0
526	U. TN Chattanooga	76	0	69	7	0	31	0	27	4	0
527	Mesa State C.	75	0	31	0	44	44	0	28	0	16
528	Kettering U.	74	1	20	53	0	35	0	0	35	0
529	U. Hartford	74	0	0	74	0	74	0	0	74	0
530	CUNY New York City C. of Technology	69	0	1	68	0	47	0	0	47	0
531	Evergreen State C.	68	68	0	0	0	68	68	0	0	0
532	Ft. Lewis C.	67	0	25	42	0	32	0	0	32	0
533	Universidad del Turabo	65	0	65	0	0	0	0	0	0	0
534	U. WI-Parkside	65	0	65	0	0	58	0	58	0	0
535	U. MI-Flint	62	29	33	0	0	29	29	0	0	0
536	Bridgewater State C.	61	0	8	53	0	53	0	0	53	0
537	Milwaukee School of Engineering	61	0	0	61	0	39	0	0	39	0
538	Lake Forest C.	59 i	0 i	48 i	11 i	0 i	0	0	0	0	0
539	SUNY New Paltz	59	0	59	0	0	13	0	13	0	0
540	Rutgers, the State U. NJ-Camden	57	0	1	56	0	57	0	1	56	0
541	Mercyhurst C.	56	0	42	14	0	0	0	0	0	0
542	PA State U. Altoona	56	0	28	28	0	0	0	0	0	0
543	St. Joseph's U.	55	0	55	0	0	0	0	0	0	0
544	U. SC Beaufort	55 i	0 i	18 i	33 i	4 i	38 i	0 i	12 i	22 i	4 i
545	Nicholls State U.	54	11	43	0	0	28	0	28	0	0
546	OH Northern U.	54	1	53	0	0	9	0	9	0	0
547	SUNY C. Oneonta	54	0	0	28	26	50	0	0	27	23
548	U. Puget Sound	53	0	53	0	0	1	0	1	0	0
549	U. West FL	53	0	0	0	53	0	0	0	0	0
550	Sinte Gleska U.	52	2	0	0	50	52	2	0	0	50
551	U. Scranton	49	0	28	21	0	0	0	0	0	0
552	SUNY C. Oswego	46	0	1	45	0	45	0	0	45	0
553	U. LA Monroe	46	0	45	1	0	0	0	0	0	0
554	Midwestern State U.	45	0	45	0	0	0	0	0	0	0
555	PA State U. Beaver	45	0	45	0	0	0	0	0	0	0
556	West TX A&M U.	44	0	20	0	24	0	0	0	0	0
557	Humboldt State U.	43	12	31	0	0	31	0	31	0	0
558	MS Valley State U.	43	0	0	0	43	15	0	0	0	15

TABLE 25. Total and federally financed higher education R&D expenditures in the physical sciences, ranked by all physical sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec	All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
559	IN U.-Purdue U. Ft. Wayne	42	0	29	13	0	25	0	24	1	0
560	Tarleton State U.	41	0	27	14	0	0	0	0	0	0
561	Alfred U.	36	9	27	0	0	36	9	27	0	0
562	Simmons C.	35	0	0	35	0	35	0	0	35	0
563	U.S. Coast Guard Academy	34	0	3	31	0	28	0	0	28	0
564	Sonoma State U.	33	0	0	33	0	33	0	0	33	0
565	U. AK Anchorage	31	0	31	0	0	0	0	0	0	0
566	U. WI-Whitewater	31	19	0	12	0	30	18	0	12	0
567	Bradley U.	30	0	29	1	0	0	0	0	0	0
568	Central CT State U.	30	0	15	15	0	0	0	0	0	0
569	CA State U., San Marcos	28	0	0	28	0	0	0	0	0	0
570	CUNY Graduate Ctr.	28	0	0	28	0	0	0	0	0	0
571	Providence C.	28	0	28	0	0	12	0	12	0	0
572	LeTourneau U.	27	0	27	0	0	0	0	0	0	0
573	Rider U.	27	0	27	0	0	8	0	8	0	0
574	Northern MI U.	25	0	17	8	0	0	0	0	0	0
575	Salisbury U.	25	0	25	0	0	6	0	6	0	0
576	U. WI-Stout	25	0	23	2	0	4	0	4	0	0
577	U. SC Aiken	24 i	0 i	16 i	8 i	0 i	12 i	0 i	7 i	5 i	0 i
578	Canisius C.	23	0	23	0	0	23	0	23	0	0
579	Purdue U. North Central	20	0	20	0	0	11	0	11	0	0
580	U. South FL Polytechnic	20	0	20	0	0	0	0	0	0	0
581	Wilberforce U.	19	0	19	0	0	0	0	0	0	0
582	Andrews U.	18	0	13	5	0	14	0	9	5	0
583	Millersville U. PA	18	0	17	0	1	0	0	0	0	0
584	U. SC Upstate	16 i	0 i	11 i	5 i	0 i	0 i	0 i	0 i	0 i	0 i
585	John Carroll U.	15	0	0	15	0	0	0	0	0	0
586	Wiley C.	15	0	15	0	0	0	0	0	0	0
587	Eckerd C.	14	0	7	7	0	14	0	7	7	0
588	PA State U. Harrisburg	14	0	7	7	0	0	0	0	0	0
589	Northeastern IL U.	13	0	0	13	0	13	0	0	13	0
590	St. Joseph's C. (Standish, ME)	12	0	12	0	0	12	0	12	0	0
591	TX A&M U. System Health Science Ctr.	12	0	12	0	0	12	0	12	0	0
592	U. New England	10	0	10	0	0	10	0	10	0	0
593	Marist C.	9 i	0 i	9 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
594	SUNY C. Cortland	9	0	9	0	0	0	0	0	0	0
595	Winona State U.	9	0	9	0	0	0	0	0	0	0

TABLE 25. Total and federally financed higher education R&D expenditures in the physical sciences, ranked by all physical sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec	All physical sciences	Astronomy	Chemistry	Physics	Physical sciences, nec
596	U. IL Springfield	8	7	1	0	0	8	7	1	0	0
597	Mills C.	7	0	7	0	0	0	0	0	0	0
598	U. Central OK	7	0	7	0	0	0	0	0	0	0
599	Gallaudet U.	6	0	5	1	0	1	0	0	1	0
600	MT State U. Billings	6	0	0	6	0	0	0	0	0	0
601	Savannah State U.	5	0	5	0	0	0	0	0	0	0
602	VA State U.	5	0	5	0	0	0	0	0	0	0
603	Salish Kootenai C.	3	3	0	0	0	3	3	0	0	0
604	La Salle U.	2	0	2	0	0	0	0	0	0	0
605	Southern OR U.	2	0	0	2	0	2	0	0	2	0
606	Arcadia U.	1	0	1	0	0	1	0	1	0	0
607	Loyola C.	1	0	1	0	0	1	0	1	0	0

i = imputed.

nec = not elsewhere classified.

<sup>a</sup> The Johns Hopkins University includes Applied Physics Laboratory, with \$140,401 in total and \$139,289 in federally financed R&D expenditures in physical sciences in FY 2010.

NOTES: Institutions reporting zero expenditures in ranked total for FY 2010 are not listed in this table. Tied institutions are ranked alphabetically. Institutions ranked are geographically separate campuses headed by a campus-level president or chancellor. Some campuses are part of large multicampus universities; some are part of state university systems. For complete listing of campuses that belong to a larger university or system and their aggregate R&D expenditures, see table C-2.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE 26. Total and federally financed higher education R&D expenditures in psychology, ranked by total psychology R&D: FY 2010

(Dollars in thousands)

Rank	Institution	Total	Federally financed
	All institutions	1,076,860	760,007
1	PA State U. University Park and Hershey Medical Ctr.	34,353	25,933
2	Duke U.	21,797	13,271
3	U. CA, San Diego	21,550	16,122
4	U. TX M. D. Anderson Cancer Ctr.	21,296	6,777
5	FL State U.	21,278	13,481
6	U. MI-Ann Arbor	21,119	12,126
7	San Diego State U.	19,535	11,891
8	U. CT	19,191	15,155
9	NY U.	18,797	15,594
10	U. MN Twin Cities	18,201	13,985
11	IN U. Bloomington	15,789	9,285
12	U. IL Urbana-Champaign	15,426	10,464
13	U. South FL	15,353	10,481
14	U. CA, Los Angeles	15,186	10,732
15	U. Rochester	15,040	12,786
16	U. CO Boulder	15,005	13,101
17	Rutgers, the State U. NJ-New Brunswick	14,888	6,976
18	Uniformed Services U. of the Health Sciences	14,562	8,343
19	U. Houston	14,332	7,497
20	U. KY	13,075	9,930
21	U. GA	12,624	9,261
22	Vanderbilt U.	12,472	10,541
23	OH State U.	12,397	8,658
24	U. NC Chapel Hill	12,039	10,784
25	U. Miami	12,000	10,886
26	Temple U.	11,978	8,978
27	San Jose State U.	11,912	11,588
28	Stanford U.	11,857	10,027
29	Princeton U.	11,754	7,460
30	U. FL	11,511	6,621
31	Boston U.	11,417	10,533
32	AZ State U.	11,363	9,187
33	Yale U.	10,854	5,218
34	U. NE-Lincoln	10,544	6,154
35	U. CA, Santa Barbara	10,425	4,944
36	U. OR	10,287	9,148
37	Carnegie Mellon U.	9,473	8,253
38	U. NM	9,295	7,918
39	U. CA, Berkeley	9,227	5,813
40	U. Pittsburgh main campus	9,183	7,523
41	U. MA Boston	9,031	4,922
42	U. Southern CA	8,374	6,325
43	U. Memphis, The	8,313	3,814
44	U. TX Austin	8,312	7,274
45	U. PA	8,044	7,438
46	SUNY Binghamton	7,958	4,380
47	U. IA	7,827	6,320
48	U. SC Columbia	7,692	7,692
49	U. WA Seattle	7,586	7,586
50	CUNY Hunter C.	7,519	4,670

TABLE 26. Total and federally financed higher education R&D expenditures in psychology, ranked by total psychology R&D: FY 2010

(Dollars in thousands)

Rank	Institution	Total	Federally financed
51	U. Chicago	7,502	7,417
52	U. IL Chicago	7,442	4,744
53	Washington U. St. Louis	7,378	5,441
54	SUNY Buffalo	7,224	4,742
55	U. VA main campus	7,041	6,136
56	SUNY Stony Brook	7,037	4,567
57	U. CA, Irvine	6,816	5,326
58	Purdue U. main campus	6,737	4,500
59	U. WI-Madison	6,731	4,602
60	Columbia U. in the City of New York	6,639	6,149
61	CA State U., Northridge	6,445	2,461
62	Dartmouth C.	6,294	4,745
63	GA State U.	6,264	3,974
64	Cornell U.	6,227	3,055
65	GA Institute of Technology	5,952	3,593
66	George Washington U.	5,836	3,272
67	U. MD College Park	5,776	3,894
68	Harvard U.	5,757	5,587
69	MI State U.	5,719	4,197
70	TX A&M U.	5,396	3,532
71	Johns Hopkins U., The <sup>a</sup>	5,126	4,638
72	Syracuse U.	4,988	3,783
73	CO State U.	4,765	3,952
74	George Mason U.	4,760	3,987
75	Kent State U.	4,572	3,322
76	U. MA Amherst	4,560	2,820
77	VA Polytechnic Institute and State U.	4,531	3,003
78	UT State U.	4,393	2,289
79	Teachers C., Columbia U.	4,370	3,772
80	U. Denver	4,276	4,038
81	VA Commonwealth U.	4,246	3,308
82	Tufts U.	4,213	1,990
83	U. AZ	4,095	2,302
84	Northwestern U.	3,952	3,462
85	Brown U.	3,938	2,436
86	Wayne State U.	3,687	2,256
87	FL Atlantic U.	3,576	2,084
88	U. CA, Davis	3,497	1,872
89	U. DE	3,418	2,997
90	Emory U.	3,333	2,807
91	U. CA, Riverside	3,241	2,791
92	Old Dominion U.	3,212	962
93	U. Louisville	3,199	2,632
94	U. of Notre Dame	3,131	2,460
95	U. VT	3,083	2,982
96	U. TX Dallas	2,959	2,345
97	U. AL, The	2,903	2,000
98	Boston C.	2,891	2,362
99	U. TX Arlington	2,793	1,809
100	U. OK	2,742	1,252

TABLE 26. Total and federally financed higher education R&D expenditures in psychology, ranked by total psychology R&D: FY 2010

(Dollars in thousands)

Rank	Institution	Total	Federally financed
101	Drexel U.	2,693	1,695
102	U. AL Birmingham, The	2,678	2,380
103	Brandeis U.	2,599	2,451
104	U. UT	2,525	1,314
105	U. NC Greensboro	2,504	2,263
106	KS State U.	2,502	1,484
107	MS State U.	2,437	924
108	U. MD Baltimore County	2,377	1,426
109	DePaul U.	2,374	2,275
110	Howard U.	2,368	1,995
111	NC State U.	2,341	1,043
112	SUNY Albany	2,301	2,021
113	U. TX El Paso	2,274	1,149
114	Rush U.	2,238	2,191
115	Rutgers, the State U. NJ-Newark	2,226	1,252
116	FL International U.	2,215	1,832
117	Rensselaer Polytechnic Institute	2,162	1,999
118	CUNY Queens C.	2,152	2,037
119	San Francisco State U.	2,099	1,898
120	WA State U.	2,096	975
121	CUNY John Jay C. of Criminal Justice	2,074	1,628
122	CA State U., Long Beach	2,062	2,055
123	IL Institute of Technology	2,005	1,459
124	U. Cincinnati	1,980	1,254
125	IN U.-Purdue U. Indianapolis	1,978	1,421
126	Fordham U.	1,864	1,864
127	TX Christian U.	1,845	1,835
128	FL Institute of Technology	1,838	1,726
129	MA Institute of Technology	1,821	1,390
130	Lincoln U. (Jefferson City, MO)	1,820	1,820
131	OK State U. main campus	1,803	196
132	ND State U.	1,747	1,418
133	OH U.	1,747	848
134	U. MO-St. Louis	1,690	1,495
135	U. ME	1,589	1,212
136	Wright State U.	1,583	923
137	Northeastern U.	1,582	1,125
138	Clemson U.	1,581	671
139	LA State U. and A&M C.	1,542	781
140	Miami U.	1,523	1,104
141	U. WI-Milwaukee	1,473	1,152
142	Barnard C.	1,457	1,435
143	Southern Methodist U.	1,392	1,115
144	TX Tech U.	1,390	110
145	CUNY Graduate Ctr.	1,372	510
146	U. PR Rio Piedras	1,321	622
147	Northern IL U.	1,273	1,239
148	U. NV, Reno	1,256	1,070
149	IA State U.	1,251	94
150	Georgetown U.	1,176	991

TABLE 26. Total and federally financed higher education R&D expenditures in psychology, ranked by total psychology R&D: FY 2010

(Dollars in thousands)

Rank	Institution	Total	Federally financed
151	CUNY Brooklyn C.	1,163	927
152	Case Western Reserve U.	1,161	866
153	U. New Orleans	1,159	585
154	Wesleyan U.	1,140	779
155	U. TN Knoxville	1,122	798
156	Portland State U.	1,109	906
157	American U.	1,093	244
158	Claremont McKenna C.	1,077	210
159	Clark U.	1,062	726
160	Washington and Jefferson C.	1,033	1,033
161	U. KS	1,004	909
162	Baylor U.	976	772
163	Gallaudet U.	970	920
164	NM State U.	925	598
165	Western MI U.	924	761
166	U. SD	920	581
167	U. MO-Kansas City	912	718
168	CUNY The City C.	911	911
169	Morgan State U.	855	0
170	Southern IL U. Carbondale	831	389
171	U. NV, Las Vegas	822	641
172	Tulane U.	795	596
173	Loyola U. Chicago	790	685
174	U. CO Colorado Springs	730	261
175	Rowan U.	729	0
176	West Chester U. PA	729 i	729 i
177	Brigham Young U.	723	535
178	U. CA, Santa Cruz	687	264
179	CA State U., San Bernardino	685	685
180	U. CO Denver and Health Sciences Ctr.	685	600
181	St. John's U. (Jamaica, NY)	673	597
182	Wichita State U.	654	136
183	Rice U.	652	505
184	U. MO-Columbia	635	418
185	U. AR main campus	606	299
186	Alfred U.	587	517
187	St. Joseph's U.	579	0
188	Bryn Mawr C.	564	214
189	Agnes Scott C.	562	526
190	WV U.	558	199
191	Nicholls State U.	555	0
192	CUNY Herbert H. Lehman C.	548 i	537 i
193	C. of William and Mary and VA Institute of Marine Science	530	265
194	New School, The	525	525
195	Auburn U. main campus	521	400
196	Bowling Green State U.	514	237
197	U. Tulsa	512	236
198	VA State U.	500	477
199	U.S. Military Academy	499 i	499 i
200	CUNY Baruch C.	498	263

TABLE 26. Total and federally financed higher education R&D expenditures in psychology, ranked by total psychology R&D: FY 2010

(Dollars in thousands)

Rank	Institution	Total	Federally financed
201	Catholic U. America, The	485	390
202	Central MI U.	468	269
203	U. HI Manoa	459	0
204	U. Akron	457	271
205	U. NC Charlotte	456	124
206	U. South AL	451	346
207	Nova Southeastern U.	445	351
208	Smith C.	439	383
209	U. Central FL	428	356
210	Rutgers, the State U. NJ-Camden	423	302
211	Rhodes C.	421	157
212	Morehouse C.	411	411
213	East Carolina U.	405	255
214	Pomona C.	387	248
215	SUNY C. Oswego	387	387
216	Fuller Theological Seminary	384	0
217	TN Technological U.	381	309
218	IN U. South Bend	355	0
219	U. North TX	352	98
220	U. Richmond	351	176
221	St. Louis U.	338	247
222	Williams C.	328	130
223	U. MT-Missoula, The	324	296
224	Reed C.	318	44
225	LA Tech U.	312	10
226	CA State U., Sacramento	311	66
227	Rosalind Franklin U. of Medicine and Science	307	229
228	U. CA, Merced	283	124
229	Davidson C.	282	227
230	Lehigh U.	280	235
231	CA State U., Los Angeles	279	279
232	U. WY	275	274
233	Northern KY U.	274	244
234	ID State U.	271	105
235	AR State U. main campus	262	245
236	Purdue U. Calumet	260	242
237	Hofstra U.	259	107
238	U. Southern MS	255	142
239	Mt. Holyoke C.	250	180
240	U. NC Wilmington	248	242
241	CA State U., Dominguez Hills	245	245
242	Loyola Marymount U.	239	217
243	OR State U.	239	211
244	U. LA Lafayette	236	0
245	Furman U.	234	110
246	Northeastern IL U.	230	191
247	CA State Polytechnic U., Pomona	219	219
248	TX A&M U. System Health Science Ctr.	216	216
249	CA State U., Fullerton	215	143
250	East TN State U.	215	96



TABLE 26. Total and federally financed higher education R&D expenditures in psychology, ranked by total psychology R&D: FY 2010

(Dollars in thousands)

Rank	Institution	Total	Federally financed
251	U. TX San Antonio	215	84
252	U. RI	210	103
253	U. Northern CO	208	196
254	Towson U.	206	190
255	Villanova U.	203	115
256	Long Island U.	202	0
257	C. of the Holy Cross	200	186
258	Western WA U.	199	98
259	U. MA Dartmouth	198	119
260	Fairfield U.	193	0
261	U. HI Hilo	191	191
262	Franklin & Marshall C.	185	97
263	C. Charleston	184	101
264	Amherst C.	183	161
265	Yeshiva U.	183	183
266	U. Toledo	181	47
267	Skidmore C.	179	115
268	Macalester C.	177	0
269	Carlos Albizu U. (San Juan, PR)	165	0
270	PA State U. Harrisburg	163	49
271	Haverford C.	158	136
272	Jackson State U.	156	121
273	U. South FL St. Petersburg	152	64
274	CA Polytechnic State U., San Luis Obispo	151	12
275	Marquette U.	150	128
276	Central CT State U.	147	143
277	MT State U. Bozeman	147	135
278	U. MA Lowell	137	0
279	U. NH	135	32
280	McNeese State U.	134	0
281	Wake Forest U.	130	118
282	Central State U.	127	127
283	Loma Linda U.	127	71
284	James Madison U.	126	120
285	Swarthmore C.	126	84
286	Embry-Riddle Aeronautical U.	118	69
287	Clark Atlanta U.	117	117
288	Cleveland State U.	114	76
289	IN State U.	114	112
290	Montclair State U.	112	112
291	St. Michael's C.	111	102
292	Trinity C. (Hartford, CT)	108	48
293	Union C. (Schenectady, NY)	104	2
294	U. PR Cayey	104	104
295	Ball State U.	99	64
296	St. Olaf C.	98	49
297	Lewis & Clark C.	97	48
298	TX A&M U.-Commerce	96	85
299	Trinity U.	96	85
300	SUNY C. Buffalo	93	84

TABLE 26. Total and federally financed higher education R&D expenditures in psychology, ranked by total psychology R&D: FY 2010

(Dollars in thousands)

Rank	Institution	Total	Federally financed
301	U. ND	93	10
302	Colgate U.	89	22
303	DE State U.	85	53
304	Prairie View A&M U.	85	0
305	Providence C.	83	83
306	Rochester Institute of Technology	83	82
307	Dickinson C.	82	62
308	Mercy C.	81	78
309	U. MS and U. MS Medical Ctr.	80	53
310	Lafayette C.	79	10
311	Grinnell C.	78	0
312	Niagara U.	76	61
313	Northern MI U.	76	75
314	Humboldt State U.	75	70
315	SUNY C. Geneseo	73	32
316	TX State U.-San Marcos	73	17
317	U. NE Omaha	73	73
318	Calvin C.	71	0
319	Northern AZ U.	69	23
320	Middlebury C.	68	68
321	Minot State U.	67	67
322	U. North FL	67	61
323	Hobart and William Smith Colleges	66	66
324	Morehead State U.	66	51
325	SUNY C. Cortland	63	63
326	Hope C.	62	0
327	Pitzer C.	60 i	0
328	Rider U.	60	60
329	Sonoma State U.	58	58
330	C. Wooster	56	12
331	Lake Forest C.	56 i	40
332	Radford U.	53	35
333	Ursinus C.	53	53
334	Colby C.	52	34
335	U. AK Fairbanks	51	0
336	TN State U.	50	24
337	U. West FL	49	0
338	Spelman C.	46	46
339	Santa Clara U.	44	44
340	Whitman C.	44	44
341	St. Mary's C. MD	43	38
342	Philadelphia C. of Osteopathic Medicine	42	36
343	Creighton U.	40 i	40
344	Oberlin C.	40	37
345	Pacific Lutheran U.	40	40
346	Chapman U.	39	39
347	William Paterson U. NJ	39	0
348	U. West GA	38	34
349	Washington and Lee U.	38	38
350	Adelphi U.	36	36

TABLE 26. Total and federally financed higher education R&D expenditures in psychology, ranked by total psychology R&D: FY 2010

(Dollars in thousands)

Rank	Institution	Total	Federally financed
351	U. MN Duluth	35	0
352	U. South FL Sarasota-Manatee	34	0
353	Bates C.	31	0
354	Seton Hall U.	31	31
355	Elizabethtown C.	29 i	29
356	TX A&M U.-Corpus Christi	28	23
357	Weber State U.	27	15
358	DePauw U.	25	0
359	IL Wesleyan U.	25	0
360	OH Wesleyan U.	24	0
361	U. Houston-Downtown	24	24
362	U. ID	24	0
363	Seattle Pacific U.	23	0
364	Kalamazoo C.	22	0
365	Southeastern LA U.	21	0
366	U. Northern IA	21	21
367	Carleton C.	20	20
368	Claremont Graduate U.	20	0
369	CO C.	20	20
370	Gettysburg C.	20	0
371	Truman State U.	20	0
372	VA Military Institute	20	0
373	St. John's U. (Collegeville, MN)	18	0
374	TX Woman's U.	18	0
375	Drake U.	17	0
376	Wabash C.	17	14
377	Central WA U.	16	0
378	IN U.-Purdue U. Ft. Wayne	15	0
379	MO State U.	15	0
380	TX A&M U.-Kingsville	15	0
381	U. SC Aiken	15 i	8 i
382	Vassar C.	15	15
383	Bucknell U.	14	0
384	U. AK Anchorage	12	0
385	U. South FL Polytechnic	12	0
386	Clarkson U.	11	0
387	Grand Valley State U.	11	11
388	Indiana U. PA	11	0
389	Eastern WA U.	10	0
390	Elizabeth City State U.	10	10
391	Luther C.	10	1
392	Boise State U.	9	9
393	Eastern KY U.	9	0
394	U. MI-Dearborn	9	0
395	Angelo State U.	8	0
396	IL State U.	8	0
397	U. Dayton	8	0
398	U. SC Upstate	8 i	0 i
399	Allegheny C.	7	0
400	NJ City U.	7	0

TABLE 26. Total and federally financed higher education R&D expenditures in psychology, ranked by total psychology R&D: FY 2010

(Dollars in thousands)

Rank	Institution	Total	Federally financed
401	Oakland U.	7	0
402	Southwestern OK State U.	7	0
403	CT C.	6	4
404	CUNY C. Staten Island	6	0
405	La Salle U.	6	0
406	TX A&M International U.	6	0
407	U. TX Tyler	6	6
408	West TX A&M U.	6	4
409	FL Gulf Coast U.	5	0
410	Occidental C.	5	0
411	U. Central OK	5	0
412	U. Detroit Mercy	5	0
413	Bradley U.	4	0
414	Eastern IL U.	4	0
415	New C. FL	4	0
416	Saginaw Valley State U.	4	0
417	U. Houston-Clear Lake	4	0
418	Gustavus Adolphus C.	3	0
419	Middle TN State U.	3	0
420	Northeastern OH Universities C. of Medicine	3	0
421	U. Puget Sound	3	0
422	U. TX Pan American	3	0
423	U. WI-Eau Claire	3	0
424	U. WI-Stevens Point	3	0
425	Western KY U.	3	0
426	Xavier U. LA	3	3
427	Appalachian State U.	2	0
428	Coastal Carolina U.	2	0
429	Concordia C.	2	0
430	Midwestern State U.	2	0
431	PA State U. Beaver	2	0
432	U. MI-Flint	2	0
433	U. WI-La Crosse	2	0
434	Augustana C. (Rock Island, IL)	1	0
435	Marist C.	1 i	0 i
436	MO U. of Science and Technology	1	0
437	Murray State U.	1	0
438	St. Cloud State U.	1	0
439	U. San Diego	1	0
440	U. of St. Thomas (St. Paul, MN)	1	0
441	U. TX of the Permian Basin	1	0

i = imputed.

<sup>a</sup> The Johns Hopkins University includes Applied Physics Laboratory, with \$0 in both total and federally financed R&D expenditures in psychology in FY 2010.

NOTES: Institutions reporting zero expenditures in ranked total for FY 2010 are not listed in this table. Tied institutions are ranked alphabetically. Institutions ranked are geographically separate campuses headed by a campus-level president or chancellor. Some campuses are part of large multicampus universities; some are part of state university systems. For complete listing of campuses that belong to a larger university or system and their aggregate R&D expenditures, see table C-2.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE 27. Total and federally financed higher education R&D expenditures in the social sciences, ranked by all social sciences R&D, by subfield: FY 2010  
(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All social sciences	Economics	Political sciences	Sociology	Social sciences, nec	All social sciences	Economics	Political sciences	Sociology	Social sciences, nec
	All institutions	1,992,974	352,736	372,812	415,529	851,897	897,468	126,963	155,108	223,264	392,133
1	U. MI-Ann Arbor	115,268	18,376	16,850	15,631	64,411	72,983	15,974	11,160	8,691	37,158
2	U. MD College Park	93,689	8,645	11,417	2,660	70,967	66,683	5,106	2,787	1,665	57,125
3	U. NC Chapel Hill	59,530	18	92	48,492	10,928	46,941	17	72	41,208	5,644
4	WA State U.	51,740	9,298	5,069	2,253	35,120	17,863	3,036	2,914	1,162	10,751
5	Rutgers, the State U. NJ-New Brunswick	47,094	2,593	7,532	5,063	31,906	16,351	269	1,166	3,199	11,717
6	U. CA, Berkeley	46,595	18,700	4,658	5,196	18,041	8,941	4,446	314	1,774	2,407
7	U. WI-Madison	39,060	8,286	2,732	6,708	21,334	17,608	4,187	288	1,091	12,042
8	MI State U.	33,864	14,931	3,225	1,986	13,722	13,632	6,404	582	932	5,714
9	U. CA, Los Angeles	33,698	1,163	610	4,647	27,278	3,885	21	54	601	3,209
10	Purdue U. main campus	29,995	11,456	289	9,853	8,397	5,514	2,345	58	2,942	169
11	PA State U. University Park and Hershey Medical Ctr.	29,630	3,488	5,235	20,907	0	12,930	822	3,646	8,462	0
12	IN U. Bloomington	28,362	4,221	6,650	5,555	11,936	5,430	249	1,804	1,506	1,871
13	Cornell U.	28,051	16,465	377	10,523	686	10,724	5,936	0	4,736	52
14	AZ State U.	28,041	1,858	4,654	13,513	8,016	13,410	157	2,091	7,257	3,905
15	Princeton U.	27,688	2,354	23,518	1,099	717	11,747	630	11,069	48	0
16	George Washington U.	26,688	1,135	11,557	421	13,575	14,209	111	2,816	133	11,149
17	George Mason U.	26,514	7,272	12,137	1,227	5,878	15,484	66	10,583	673	4,162
18	U. MN Twin Cities	26,208	5,553	6,932	11,019	2,704	12,257	1,794	1,787	8,318	358
19	Harvard U.	25,653	858	8,260	732	15,803	9,237	658	1,939	599	6,041
20	U. TX Austin	24,444	360	821	5,068	18,195	11,675	303	529	3,588	7,255
21	Stanford U.	22,903	3,349	1,412	2,222	15,920	10,058	1,375	403	1,050	7,230
22	U. PA	22,790	1,455	4,321	6,511	10,503	14,289	947	484	4,598	8,260
23	U. CA, Davis	22,719	5,413	3,171	1,961	12,174	7,030	965	486	1,126	4,453
24	Duke U.	22,506	4,170	12,869	4,509	958	14,512	2,657	7,939	3,705	211
25	OH State U.	20,630	4,238	4,683	2,539	9,170	13,201	2,423	3,299	1,799	5,680
26	Columbia U. in the City of New York	19,334	934	4,370	9,707	4,323	5,858	845	328	4,023	662
27	U. AZ	18,709	4,797	1,290	6,991	5,631	7,908	1,045	351	4,025	2,487
28	Brown U.	17,951	3,613	4,226	3,954	6,158	3,916	293	1,811	551	1,261
29	U. FL	17,314	7,426	292	3,106	6,490	4,416	1,175	73	1,521	1,647
30	FL International U.	16,917	30	2,137	114	14,636	9,928	0	445	31	9,452
31	Georgetown U.	16,420	48	15,508	38	826	2,509	48	1,920	0	541
32	FL State U.	16,116	1,613	3,379	3,750	7,374	8,577	759	827	2,986	4,005
33	MS State U.	16,037	961	1,225	1,396	12,455	7,263	421	274	208	6,360
34	U. IL Urbana-Champaign	15,827	6,178	6,484	927	2,238	4,969	1,988	1,583	303	1,095
35	TX A&M U.	15,549	878	1,570	2,914	10,187	4,995	96	205	1,370	3,324

TABLE 27. Total and federally financed higher education R&D expenditures in the social sciences, ranked by all social sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All social sciences	Economics	Political sciences	Sociology	Social sciences, nec	All social sciences	Economics	Political sciences	Sociology	Social sciences, nec
36	Northwestern U.	15,302	3,638	5,244	2,184	4,236	4,380	458	3,294	267	361
37	Brandeis U.	14,495	227	55	12,038	2,175	8,041	31	39	7,971	0
38	U. IA	14,187	356	10,321	659	2,851	9,015	0	8,042	556	417
39	U. CA, San Diego	14,025	2,192	7,533	2,793	1,507	4,911	302	3,127	1,432	50
40	ND State U.	13,880	4,077	36	124	9,643	7,798	1,078	18	67	6,635
41	IA State U.	13,734	3,824	437	9,227	246	7,597	846	104	6,647	0
42	GA Institute of Technology	12,960	7,844	3,614	72	1,430	4,188	1,867	2,103	34	184
43	U. Southern CA	12,680	256	470	1,321	10,633	7,262	122	40	1,092	6,008
44	SUNY Binghamton	12,395	1,978	1,928	5,382	3,107	2,689	69	537	1,905	178
45	U. TX M. D. Anderson Cancer Ctr.	12,260	0	0	12,260	0	6,504	0	0	6,504	0
46	U. TN Knoxville	12,184	9,158	61	2,174	791	4,009	2,150	30	1,298	531
47	American U.	11,958	1,011	4,207	683	6,057	5,273	38	1,872	9	3,354
48	Syracuse U.	11,951	3,535	3,694	699	4,023	2,999	1,119	1,136	531	213
49	NY U.	11,552	1,471	4,903	974	4,204	5,219	730	941	721	2,827
50	SUNY Albany	11,195	418	2,296	5,833	2,648	5,458	405	15	3,596	1,442
51	TX Tech U.	10,700	0	600	630	9,470	1,390	0	90	0	1,300
52	VA Polytechnic Institute and State U.	10,530	1,708	2,734	478	5,610	3,247	37	1,482	43	1,685
53	U. MA Boston	10,524	797	3,056	858	5,813	2,929	328	1,093	430	1,078
54	U. NE-Lincoln	10,487	1,859	3,762	2,386	2,480	5,095	163	2,520	1,462	950
55	U. CA, Irvine	10,432	297	4,810	2,163	3,162	3,943	87	2,273	656	927
56	GA State U.	10,427	6,648	1,912	1,156	711	1,915	1,038	216	596	65
57	U. DE	10,382	1,968	0	5,636	2,778	6,176	332	0	4,206	1,638
58	NC State U.	10,363	5,039	286	1,017	4,021	3,779	1,129	136	213	2,301
59	U. KY	10,078	3,700	1,963	1,310	3,105	2,816	728	749	718	621
60	U. MD Baltimore County	9,957	547	8,385	1,025	0	3,959	0	3,690	269	0
61	Portland State U.	9,872	119	417	5,812	3,524	3,252	22	234	778	2,218
62	U. IL Chicago	9,598	479	585	304	8,230	4,703	310	339	0	4,054
63	Teachers C., Columbia U.	9,449	7,411	0	0	2,038	2,114	1,791	0	0	323
64	U. WA Seattle	9,283	9	2,964	3,532	2,778	5,899	0	628	3,054	2,217
65	U. HI Manoa	9,222	71	0	1,083	8,068	2,750	0	0	1,007	1,743
66	U. CA, Santa Barbara	9,189	951	401	2,519	5,318	3,016	383	0	350	2,283
67	Johns Hopkins U., The <sup>a</sup>	9,156	1,213 i	83 i	491 i	7,369 i	5,447	659 i	73 i	288 i	4,427 i
68	LA State U. and A&M C.	8,817	4,957	1,001	782	2,077	3,509	2,008	390	340	771
69	MA Institute of Technology	8,788	1,751	3,746	0	3,291	3,011	474	1,979	0	558
70	Washington U. St. Louis	8,606	0	734	7,505	367	4,719	0	346	4,284	89
71	U. South FL	8,574	492	1,535	1,531	5,016	3,908	72	596	734	2,506
72	U. GA	8,335	3,622	1,928	638	2,147	2,891	1,119	705	199	868
73	Naval Postgraduate School	8,062	0	6,014	28	2,020	5,177	0	4,084	28	1,065

TABLE 27. Total and federally financed higher education R&D expenditures in the social sciences, ranked by all social sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All social sciences	Economics	Political sciences	Sociology	Social sciences, nec	All social sciences	Economics	Political sciences	Sociology	Social sciences, nec
74	U. NM	7,996	1,170	249	1,991	4,586	3,566	641	49	1,286	1,590
75	U. CO Boulder	7,670	223	142	2,359	4,946	4,932	107	18	1,061	3,746
76	U. OR	7,609	610	3,453	714	2,832	5,453	448	2,659	442	1,904
77	Boston C.	7,097 i	5,526 i	58 i	435 i	1,078 i	3,866	3,719	0	0	147
78	Clemson U.	7,033	3,276	1,150	224	2,383	1,933	566	281	63	1,023
79	U.S. Military Academy	6,735 i	0 i	6,733 i	2 i	0 i	6,731 i	0 i	6,731 i	0 i	0 i
80	U. Memphis, The	6,472	3,068	708	518	2,178	2,323	1,000	34	106	1,183
81	CO State U.	6,426	2,537	171	2,074	1,644	4,164	1,581	137	1,526	920
82	U. OK	6,356	313	1,518	1,438	3,087	1,191	41	2	787	361
83	IN U.-Purdue U. Indianapolis	6,292	355	3,759	829	1,349	1,008	142	305	462	99
84	OK State U. main campus	6,292	3,522	27	196	2,547	1,160	755	22	167	216
85	U. Pittsburgh main campus	5,936	236	905	114	4,681	4,955	127	816	73	3,939
86	SUNY Buffalo	5,929	150	580	756	4,443	1,681	23	118	336	1,204
87	U. Central FL	5,868	822	773	251	4,022	3,439	552	374	74	2,439
88	KS State U.	5,691	3,741	18	734	1,198	2,294	1,579	3	415	297
89	U. MA Amherst	5,625	2,478	1,394	1,086	667	2,364	594	1,008	390	372
90	Case Western Reserve U.	5,583	189	0	1,954	3,440	3,507	64	0	1,676	1,767
91	U. NH	5,541	180	49	4,752	560	2,253	60	0	1,782	411
92	C. of William and Mary and VA Institute of Marine Science	5,427	250	3,928	1,199	50	587	85	286	216	0
93	U. TX Dallas	5,408	0	0	0	5,408	1,822	0	0	0	1,822
94	U. ME	5,395	566	158	70	4,601	4,242	389	0	64	3,789
95	San Diego State U.	5,299	276	1,469	1,936	1,618	3,303	0	1,169	994	1,140
96	U. TX El Paso	5,266	558	1,508	215	2,985	1,290	139	497	46	608
97	U. Cincinnati	5,227	146	411	582	4,088	1,571	0	77	88	1,406
98	U. AL Huntsville, The	5,144	1,554	3,574	16	0	5,108	1,524	3,574	10	0
99	U. CT	5,116	2,334	376	1,188	1,218	2,839	1,183	156	505	995
100	U. CA, Santa Cruz	5,099	502	70	1,120	3,407	1,407	225	4	458	720
101	Claremont Graduate U.	5,048	45	50	0	4,953	4,888	0	0	0	4,888
102	U. MO-Columbia	5,044	3,464	772	358	450	4,085	2,980	436	322	347
103	SD State U.	4,963	2,088	0	1,921	954	1,633	1,132	0	103	398
104	VA Commonwealth U.	4,829	116	4,329	0	384	2,529	93	2,407	0	29
105	Carnegie Mellon U.	4,820	804	1,409	714	1,893	3,764	174	1,125	649	1,816
106	Wayne State U.	4,814	215	8	331	4,260	922	0	0	97	825
107	U. KS	4,813	449	1,330	1,777	1,257	2,362	327	272	771	992
108	U. WI-Milwaukee	4,739	404	290	906	3,139	2,193	65	266	702	1,160
109	U. NV, Las Vegas	4,576	0	1,494	948	2,134	1,410	0	1,239	107	64
110	Tulane U.	4,468	97	35	243	4,093	3,237	56	0	105	3,076

TABLE 27. Total and federally financed higher education R&D expenditures in the social sciences, ranked by all social sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All social sciences	Economics	Political sciences	Sociology	Social sciences, nec	All social sciences	Economics	Political sciences	Sociology	Social sciences, nec
111	U. MA Lowell	4,334	453	1,331	89	2,461	1,595	66	1,079	0	450
112	Vanderbilt U.	4,271	64	3,260	408	539	2,807	61	2,168	228	350
113	OR State U.	4,222	2,372	26	776	1,048	2,301	801	26	497	977
114	U. TX San Antonio	4,097	199	183	1,847	1,868	918	0	0	393	525
115	Yale U.	4,067	1,898	30	1	2,138	1,692	1,041	20	1	630
116	U. NV, Reno	4,042	74	0	137	3,831	2,691	17	0	120	2,554
117	Auburn U. main campus	3,956	361	0	8	3,587	3,026	147	0	0	2,879
118	Northeastern U.	3,949	405	535	272	2,737	1,986	114	372	231	1,269
119	SUNY Stony Brook	3,588	672	396	1,828	692	1,001	142	16	633	210
120	U. LA Lafayette	3,571	1,824	117	383	1,247	315	233	0	6	76
121	Boston U.	3,568	895	155	749	1,769	1,636	634	72	340	590
122	WV U.	3,566	1,948	71	151	1,396	952	108	0	143	701
123	U. of Notre Dame	3,466	361	1,276	739	1,090	872	189	215	163	305
124	U. Baltimore	3,450	1,364	25	231	1,830	1,497	997	3	0	497
125	Rutgers, the State U. NJ-Newark	3,425	16	2,531	65	813	298	0	7	0	291
126	U. Chicago	3,316	616	670	253	1,777	3,109	569	642	249	1,649
127	CUNY Graduate Ctr.	3,299	0	1,834	1,425	40	257	0	0	217	40
128	U. AR main campus	3,298	105	45	372	2,776	427	53	0	268	106
129	U. New Orleans	3,294	809	71	1,386	1,028	865	121	0	744	0
130	U. CA, Riverside	3,251	35	143	2,324	749	1,025	1	52	868	104
131	CUNY Hunter C.	3,237	379	278	1,858	722	1,134	60	0	574	500
132	U. AL, The	3,211	363	210	808	1,830	1,859	345	121	778	615
133	U. MT-Missoula, The	3,164	1,891	0	572	701	1,514	715	0	386	413
134	U. UT	3,162	247	10	345	2,560	1,078	35	0	309	734
135	Old Dominion U.	3,117	1,056	585	1,277	199	503	23	29	371	80
136	U. NC Charlotte	3,076	0	122	524	2,430	713	0	93	216	404
137	U. Houston	2,995	34	438	2,209	314	2,364	32	6	2,029	297
138	Jackson State U.	2,868	842	426	0	1,600	2,396	624	423	0	1,349
139	MT State U. Bozeman	2,765	986	216	233	1,330	943	375	26	78	464
140	CA State U., Fullerton	2,734	251	112	665	1,706	946	0	53	0	893
141	U. NC Greensboro	2,726	562	2	234	1,928	2,062	526	0	217	1,319
142	Sam Houston State U.	2,690	0	0	2,690	0	2,680	0	0	2,680	0
143	U. Akron	2,686	135	94	2,456	1	396	63	10	322	1
144	AL A&M U.	2,667	428	0	0	2,239	2,051	98	0	0	1,953
145	U. ID	2,564	1,490	15	243	816	802	378	0	132	292
146	Claremont McKenna C.	2,561	910	1,511	0	140	64	64	0	0	0
147	FL Atlantic U.	2,317	0	28	2,254	35	0	0	0	0	0



TABLE 27. Total and federally financed higher education R&D expenditures in the social sciences, ranked by all social sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All social sciences	Economics	Political sciences	Sociology	Social sciences, nec	All social sciences	Economics	Political sciences	Sociology	Social sciences, nec
148	Howard U.	2,317	1,330	0	103	884	1,368	577	0	88	703
149	Cleveland State U.	2,310	30	2	102	2,176	548	0	0	89	459
150	Tuskegee U.	2,308	202	0	0	2,106	1,833	202	0	0	1,631
151	CA State U., Sacramento	2,274	37	683	49	1,505	1,053	22	26	10	995
152	Southern IL U. Carbondale	2,212	142	656	567	847	376	72	22	149	133
153	Alcorn State U.	2,099	2,099	0	0	0	2,082	2,082	0	0	0
154	Bowling Green State U.	2,084	0	401	1,683	0	1,647	0	131	1,516	0
155	Brigham Young U.	2,019	94	587	697	641	548	30	121	397	0
156	Tufts U.	1,996	178	1,818	0	0	360	0	360	0	0
157	Southern IL U. Edwardsville	1,920	127	0	70	1,723	430	0	0	0	430
158	Eastern WA U.	1,847	5	11	0	1,831	17	0	0	0	17
159	Temple U.	1,820	2	1,349	235	234	1,020	0	943	14	63
160	U. IL Springfield	1,704	0	890	68	746	280	0	0	34	246
161	San Francisco State U.	1,687	0	35	1,243	409	540	0	0	169	371
162	CUNY John Jay C. of Criminal Justice	1,577	2	30	833	712	784	0	0	392	392
163	Rice U.	1,555	0	885	651	19	756	0	627	129	0
164	Loyola U. Chicago	1,553	24	256	10	1,263	514	24	209	9	272
165	Eastern MI U.	1,531	0	90	104	1,337	781	0	0	0	781
166	Morgan State U.	1,509	0	0	0	1,509	1,400	0	0	0	1,400
167	U. AK Anchorage	1,509	336	0	34	1,139	831	156	0	34	641
168	PA State U. Harrisburg	1,490	0	1,435	55	0	278	0	265	13	0
169	Rochester Institute of Technology	1,486	69	427	0	990	607	67	353	0	187
170	U. Louisville	1,475	388	478	14	595	377	40	0	0	337
171	Morehouse C.	1,415	29	0	1,300	86	1,415	29	0	1,300	86
172	U. AL Birmingham, The	1,410	0	16	731	663	797	0	0	712	85
173	Kent State U.	1,392	45	107	411	829	532	0	36	107	389
174	U. AK Fairbanks	1,377	0	0	108	1,269	1,262	0	0	101	1,161
175	U. DC	1,332	0	0	39	1,293	39	0	0	0	39
176	Bryn Mawr C.	1,279	84	157	540	498	8	0	0	8	0
177	U. MO-St. Louis	1,265	114	392	36	723	837	0	128	6	703
178	Humboldt State U.	1,247	0	0	104	1,143	0	0	0	0	0
179	U.S. Air Force Academy	1,171	537	357	0	277	73	65	0	0	8
180	Towson U.	1,141	86	30	139	886	278	19	30	0	229
181	CA State U., San Marcos	1,123	0	0	39	1,084	325	0	0	0	325
182	U. NE Omaha	1,121	109	234	143	635	308	33	4	0	271
183	Southern U. Baton Rouge	1,114	4	310	176	624	639	4	0	11	624
184	U. North TX	1,082	110	448	256	268	473	0	314	155	4
185	U. NC Wilmington	1,066	10	23	588	445	575	0	0	494	81

TABLE 27. Total and federally financed higher education R&amp;D expenditures in the social sciences, ranked by all social sciences R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All social sciences	Economics	Political sciences	Sociology	Social sciences, nec	All social sciences	Economics	Political sciences	Sociology	Social sciences, nec
186	U. PR Rio Piedras	1,059	44	0	8	1,007	0	0	0	0	0
187	Baylor U.	1,057	0	0	1,057	0	49	0	0	49	0
188	U. Miami	1,057	29	0	752	276	841	25	0	722	94
189	DE State U.	1,033	0	0	0	1,033	1,029	0	0	0	1,029
190	Northwestern State U.	1,033	0	0	18	1,015	591	0	0	0	591
191	Boise State U.	1,028	242	529	49	208	592	177	238	49	128
192	New School, The	1,018	145	162	230	481	134	0	47	85	2
193	Dartmouth C.	990	656	0	71	263	349	86	0	58	205
194	SUNY C. Buffalo	989	0	0	84	905	673	0	0	84	589
195	U. CA, Merced	979	51	105	9	814	168	0	0	0	168
196	U. WI-Superior	967	967	0	0	0	956	956	0	0	0
197	U. TX Arlington	949	410	0	0	539	0	0	0	0	0
198	TX A&M U. System Health Science Ctr.	929	0	0	0	929	929	0	0	0	929
199	U. Southern MS	925	0	460	158	307	865	0	460	155	250
200	U. WY	916	247	0	402	267	855	218	0	384	253
201	Sul Ross State U.	888	0	0	0	888	105	0	0	0	105
202	Worcester Polytechnic Institute	878	0	0	0	878	865	0	0	0	865
203	CUNY Queens C.	867	44	7	684	132	515	44	0	415	56
204	CUNY Baruch C.	836	65	260	325	186	399	0	0	231	168
205	U. South AL	833	22	1	165	645	137	0	0	83	54
206	Western MI U.	833	11	0	442	380	597	0	0	302	295
207	U. SD	827	0	259	221	347	24	0	24	0	0
208	U. MS and U. MS Medical Ctr.	823	337	206	280	0	453	336	17	100	0
209	Youngstown State U.	823	0	0	0	823	358	0	0	0	358
210	MI Technological U.	814	0	0	0	814	47	0	0	0	47
211	U. VA main campus	813	164	40	83	526	737	149	36	75	477
212	Northern AZ U.	812	12	262	455	83	363	0	64	256	43
213	UT State U.	811	280	8	523	0	347	204	0	143	0
214	Central WA U.	788	43	0	745	0	477	0	0	477	0
215	Fordham U.	787	411	0	376	0	26	26	0	0	0
216	Occidental C.	779	8	0	0	771	2	2	0	0	0
217	Williams C.	772	436	0	0	336	97	97	0	0	0
218	TX State U.-San Marcos	768	71	6	38	653	271	71	0	0	200
219	U. Northern IA	734	1	11	159	563	169	0	11	158	0
220	IN U.-Purdue U. Ft. Wayne	723	3	10	2	708	35	0	0	0	35
221	Emory U.	706	338	155	213	0	344	90	144	110	0
222	Macalester C.	677	138	170	149	220	29	0	0	0	29

TABLE 27. Total and federally financed higher education R&D expenditures in the social sciences, ranked by all social sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All social sciences	Economics	Political sciences	Sociology	Social sciences, nec	All social sciences	Economics	Political sciences	Sociology	Social sciences, nec
223	NC Agricultural and Technical State U.	664	664	0	0	0	664	664	0	0	0
224	OH U.	653	43	362	159	89	33	0	10	23	0
225	CA State U., Dominguez Hills	628	5	0	606	17	610	5	0	588	17
226	C. Charleston	628	486	90	0	52	484	434	50	0	0
227	NM State U.	612	64	89	60	399	326	29	78	33	186
228	ID State U.	611	0	14	597	0	356	0	14	342	0
229	U. TX Pan American	601	0	0	593	8	529	0	0	529	0
230	U. Central OK	587	4	0	0	583	201	0	0	0	201
231	U. SC Columbia	581	460	121	0	0	581	460	121	0	0
232	Davidson C.	575	0	2	0	573	480	0	0	0	480
233	Andrews U.	557	0	0	326	231	199	0	0	199	0
234	East Carolina U.	546	133	0	57	356	525	133	0	56	336
235	Western Carolina U.	531	163	95	0	273	201	57	95	0	49
236	Fairfield U.	530	225	133	172	0	0	0	0	0	0
237	U. MA Dartmouth	530	12	231	37	250	0	0	0	0	0
238	U. CO Denver and Health Sciences Ctr.	515	0	0	21	494	442	0	0	20	422
239	U. New England	511	0	0	332	179	156	0	0	0	156
240	CA State U., Los Angeles	505	0	0	0	505	505	0	0	0	505
241	Clark Atlanta U.	502	51	53	398	0	53	0	53	0	0
242	U. WI-La Crosse	479	0	0	264	215	154	0	0	59	95
243	Morehead State U.	471	0	0	5	466	452	0	0	0	452
244	U. North FL	457	0	312	36	109	315	0	287	6	22
245	U. Denver	435	0	326	19	90	100	0	9	19	72
246	Calvin C.	425	119	207	99	0	4	0	4	0	0
247	St. Cloud State U.	421	99	2	43	277	9	5	0	3	1
248	CUNY Brooklyn C.	420	8	10	402	0	382	0	0	382	0
249	CA Polytechnic State U., San Luis Obispo	413	177	0	56	180	266	149	0	41	76
250	Colgate U.	408	115	41	101	151	149	15	0	43	91
251	U.S. Naval Academy	407	82	325	0	0	407	82	325	0	0
252	Amherst C.	401	85	236	26	54	76	0	76	0	0
253	Desert Research Institute	400	0	0	0	400	363	0	0	0	363
254	Mercyhurst C.	394	0	0	0	394	258	0	0	0	258
255	Drexel U.	390	0	4	285	101	285	0	0	285	0
256	Western WA U.	387	0	56	270	61	98	0	30	13	55
257	Pomona C.	385	184	142	56	3	63	12	51	0	0
258	Rutgers, the State U. NJ-Camden	382	9	319	25	29	37	0	34	3	0
259	Middle TN State U.	379	114	17	116	132	185	39	0	14	132
260	Chapman U.	374	374	0	0	0	108	108	0	0	0

TABLE 27. Total and federally financed higher education R&D expenditures in the social sciences, ranked by all social sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All social sciences	Economics	Political sciences	Sociology	Social sciences, nec	All social sciences	Economics	Political sciences	Sociology	Social sciences, nec
261	Willamette U.	373	60	75	183	55	123	0	0	123	0
262	Ball State U.	371	33	196	88	54	81	32	0	48	1
263	U. MO-Kansas City	371	213	19	64	75	0	0	0	0	0
264	Spelman C.	370	0	0	0	370	370	0	0	0	370
265	Wellesley C.	365	179	0	186	0	85	85	0	0	0
266	Franklin & Marshall C.	361	15	303	43	0	0	0	0	0	0
267	CA State U., Long Beach	359	0	0	0	359	0	0	0	0	0
268	IL State U.	358	153	0	140	65	80	22	0	28	30
269	Northern IL U.	357	0	175	44	138	63	0	19	44	0
270	West Chester U. PA	349 i	0 i	0 i	0 i	349 i	349 i	0 i	0 i	0 i	349 i
271	Smith C.	347	14	266	48	19	1	0	0	1	0
272	Rensselaer Polytechnic Institute	346	41	0	0	305	257	30	0	0	227
273	Barnard C.	344	154	107	83	0	119	113	0	6	0
274	U. Toledo	335	7	26	67	235	206	0	0	0	206
275	Roanoke C.	332 i	317 i	0 i	0 i	15 i	0 i	0 i	0 i	0 i	0 i
276	Embry-Riddle Aeronautical U.	329	94	0	0	235	281	46	0	0	235
277	Kennesaw State U.	324	0	0	297	27	293	0	0	293	0
278	U. Northern CO	323	0	1	10	312	204	0	0	0	204
279	Lehigh U.	321	28	7	284	2	282	0	0	282	0
280	U. LA Monroe	318	48	0	0	270	0	0	0	0	0
281	U. PR Mayaguez	318	140	0	178	0	26	0	0	26	0
282	U. San Diego	308	0	2	0	306	0	0	0	0	0
283	Catholic U. America, The	307	24	0	283	0	34	18	0	16	0
284	Millsaps C.	301	0	0	301	0	301	0	0	301	0
285	Marquette U.	300	20	277	0	3	0	0	0	0	0
286	Reed C.	285	18	228	39	0	0	0	0	0	0
287	Southern OR U.	271	0	0	58	213	124	0	0	30	94
288	NJ Institute of Technology	264	0	0	0	264	65	0	0	0	65
289	U. Rochester	262	224	0	0	38	235	201	0	0	34
290	Indiana U. PA	256	3	6	172	75	177	0	0	149	28
291	Simmons C.	255	28	0	227	0	42	27	0	15	0
292	Plymouth State U.	249 i	205 i	0 i	0 i	44 i	212 i	205 i	0 i	0 i	7 i
293	PA State U. Erie, The Behrend C.	248	0	0	248	0	10	0	0	10	0
294	TX A&M International U.	247	0	1	244	2	244	0	0	244	0
295	Western IL U.	243	0	0	243	0	32	0	0	32	0
296	Dickinson C.	241	8	220	13	0	0	0	0	0	0
297	Lafayette C.	236	14	5	2	215	215	0	0	0	215

TABLE 27. Total and federally financed higher education R&D expenditures in the social sciences, ranked by all social sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All social sciences	Economics	Political sciences	Sociology	Social sciences, nec	All social sciences	Economics	Political sciences	Sociology	Social sciences, nec
298	Wesleyan U.	234	61	147	26	0	54	34	20	0	0
299	Air Force Institute of Technology	231	0	0	231	0	231	0	0	231	0
300	Appalachian State U.	229	213	0	0	16	112	100	0	0	12
301	Skidmore C.	222	148	0	74	0	0	0	0	0	0
302	SUNY C. of Environmental Science and Forestry	220	220	0	0	0	220	220	0	0	0
303	Southern Methodist U.	219	156	27	36	0	80	46	0	34	0
304	C. NJ, The	218	1	0	136	81	79	0	0	0	79
305	Arcadia U.	216	0	0	216	0	216	0	0	216	0
306	U. AR Little Rock	216	10	0	3	203	169	10	0	0	159
307	Swarthmore C.	215	80	31	104	0	100	12	0	88	0
308	Dillard U.	212	212	0	0	0	79	79	0	0	0
309	Colby C.	211	85	75	30	21	72	47	0	7	18
310	Gettysburg C.	207	8	20	19	160	146	0	0	0	146
311	James Madison U.	203	22	98	23	60	106	0	83	7	16
312	SUNY C. Old Westbury	200 i	0 i	200 i	0 i	0 i	89 i	0 i	89 i	0 i	0 i
313	Sonoma State U.	196	0	0	0	196	192	0	0	0	192
314	McNeese State U.	191	0	0	19	172	172	0	0	0	172
315	CUNY The City C.	190	113	40	37	0	72	57	15	0	0
316	NC Central U.	190	0	0	0	190	190	0	0	0	190
317	Carleton C.	188	181	7	0	0	188	181	7	0	0
318	Northeastern OH Universities C. of Medicine	187	0	0	0	187	115	0	0	0	115
319	Central CT State U.	185	0	3	12	170	21	0	0	0	21
320	U. ND	185	143	0	12	30	20	0	0	0	20
321	U. VT	174	1	58	115	0	95	0	0	95	0
322	CUNY C. Staten Island	168	0	0	33	135	0	0	0	0	0
323	Creighton U.	167 i	0 i	0 i	0 i	167 i	80	0	0	0	80
324	U. West FL	167	0	0	2	165	43	0	0	0	43
325	Santa Clara U.	165	48	0	77	40	150	48	0	77	25
326	CUNY Herbert H. Lehman C.	164 i	0 i	0 i	69 i	95 i	146 i	0 i	0 i	61 i	85 i
327	U. MI-Dearborn	162	0	0	42	120	86	0	0	19	67
328	U. Southern ME	162	137	0	0	25	156	131	0	0	25
329	Mesa State C.	161	0	1	0	160	139	0	0	0	139
330	Villanova U.	161 i	0 i	0 i	0 i	161 i	92 i	0 i	0 i	0 i	92 i
331	Southeastern LA U.	160	0	0	0	160	134	0	0	0	134
332	Stephen F. Austin State U.	156	2	0	21	133	57	0	0	19	38
333	Seton Hall U.	149	0	132	0	17	134	0	117	0	17
334	TX A&M U.-Corpus Christi	148	34	0	56	58	0	0	0	0	0
335	FL Gulf Coast U.	143	22	0	4	117	66	22	0	0	44

TABLE 27. Total and federally financed higher education R&D expenditures in the social sciences, ranked by all social sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All social sciences	Economics	Political sciences	Sociology	Social sciences, nec	All social sciences	Economics	Political sciences	Sociology	Social sciences, nec
336	Western OR U.	143	0	0	0	143	143	0	0	0	143
337	U. MN Duluth	141	55	22	25	39	0	0	0	0	0
338	Haverford C.	140 i	31 i	1 i	108 i	0 i	103	0	0	103	0
339	CO School of Mines	138	138	0	0	0	111	111	0	0	0
340	U. South FL St. Petersburg	135	37	31	11	56	1	0	0	0	1
341	IL Wesleyan U.	132	5	4	3	120	118	0	0	0	118
342	Central State U.	128	0	52	76	0	128	0	52	76	0
343	Lewis & Clark C.	124	12	20	12	80	0	0	0	0	0
344	Niagara U.	123	0	5	5	113	34	0	0	0	34
345	U. PR Cayey	122	0	0	122	0	29	0	0	29	0
346	DePaul U.	119	0	93	17	9	18	0	18	0	0
347	Pitzer C.	119 i	40 i	40 i	39 i	0 i	0	0	0	0	0
348	Washington and Lee U.	119	37	76	0	6	113	37	76	0	0
349	U. GU	117	20	0	0	97	20	0	0	0	20
350	Gallaudet U.	113	0	0	29	84	53	0	0	0	53
351	Salisbury U.	113	113	0	0	0	108	108	0	0	0
352	U. NC Asheville	113	5	0	0	108	0	0	0	0	0
353	Bridgewater State C.	112	0	84	26	2	98	0	84	14	0
354	LA Tech U.	110	0	0	0	110	0	0	0	0	0
355	U. San Francisco	109	0	0	109	0	41	0	0	41	0
356	Lincoln U. (Jefferson City, MO)	107	0	0	0	107	107	0	0	0	107
357	TN State U.	107	74	0	0	33	68	68	0	0	0
358	IN State U.	104	0	0	0	104	0	0	0	0	0
359	Montclair State U.	101	0	1	46	54	81	0	0	31	50
360	CO C.	100	30	25	15	30	55	20	10	15	10
361	Bates C.	96	26	20	34	16	36	0	0	22	14
362	Mt. Holyoke C.	95	21	30	43	1	6	0	6	0	0
363	San Jose State U.	95	4	0	16	75	4	0	0	0	4
364	SD School of Mines and Technology	92	0	0	0	92	92	0	0	0	92
365	Norfolk State U.	91	0	0	0	91	91	0	0	0	91
366	Miami U.	89	0	82	7	0	7	0	0	7	0
367	Agnes Scott C.	87	52	0	35	0	8	8	0	0	0
368	East TN State U.	86	0	0	75	11	0	0	0	0	0
369	CA State U., Chico	85	0	0	0	85	48	0	0	0	48
370	Fairleigh Dickinson U.	85	21	0	48	16	61	0	0	48	13
371	Mercy C.	85	0	0	85	0	85	0	0	85	0
372	Millersville U. PA	85	0	0	0	85	0	0	0	0	0

TABLE 27. Total and federally financed higher education R&amp;D expenditures in the social sciences, ranked by all social sciences R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All social sciences	Economics	Political sciences	Sociology	Social sciences, nec	All social sciences	Economics	Political sciences	Sociology	Social sciences, nec
373	CA State U., San Bernardino	84	0	0	0	84	0	0	0	0	0
374	U. TN Chattanooga	84	0	17	64	3	5	0	0	5	0
375	FL A&M U.	83	0	39	44	0	79	0	35	44	0
376	Benedict C.	82	0	0	82	0	82	0	0	82	0
377	U. MN Morris	82	71	0	0	11	0	0	0	0	0
378	Lawrence U.	81	0	0	81	0	81	0	0	81	0
379	Bowdoin C.	79	43	15	21	0	40	30	10	0	0
380	Grinnell C.	79	7	11	4	57	0	0	0	0	0
381	Albany State U.	77	0	0	0	77	77	0	0	0	77
382	U. AK Southeast	77	0	0	0	77	73	0	0	0	73
383	U. WI-Whitewater	76	37	0	0	39	37	0	0	0	37
384	Hamilton C.	74	74	0	0	0	38	38	0	0	0
385	U. West GA	73	0	7	65	1	0	0	0	0	0
386	U. WI-Eau Claire	72	0	0	0	72	68	0	0	0	68
387	John Carroll U.	69	0	0	0	69	69	0	0	0	69
388	Xavier U. LA	69	0	0	1	68	69	0	0	1	68
389	TX Woman's U.	68	0	0	68	0	23	0	0	23	0
390	Coastal Carolina U.	67	47	0	9	11	0	0	0	0	0
391	Union C. (Schenectady, NY)	67	2	0	0	65	0	0	0	0	0
392	Hobart and William Smith Colleges	66	66	0	0	0	66	66	0	0	0
393	GA Southern U.	65	58	0	0	7	0	0	0	0	0
394	MN State U. Mankato	64	0	64	0	0	64	0	64	0	0
395	U. South FL Sarasota-Manatee	64	0	0	0	64	0	0	0	0	0
396	Jacksonville U.	63	0	0	63	0	0	0	0	0	0
397	C. of the Holy Cross	62	0	0	62	0	0	0	0	0	0
398	Middlebury C.	62	61	0	0	1	61	61	0	0	0
399	Angelo State U.	60	6	0	0	54	50	0	0	0	50
400	Wichita State U.	60	0	15	15	30	39	0	13	0	26
401	CA State U., Fresno	59	0	0	0	59	0	0	0	0	0
402	Pacific Lutheran U.	59	0	0	39	20	0	0	0	0	0
403	La Salle U.	58	58	0	0	0	0	0	0	0	0
404	IN U. South Bend	57	14	7	28	8	0	0	0	0	0
405	St. Louis U.	56	0	39	17	0	24	0	9	15	0
406	U. Richmond	56	0	6	21	29	0	0	0	0	0
407	KY State U.	54	0	0	0	54	30	0	0	0	30
408	U. WI-Oshkosh	54	0	26	0	28	50	0	26	0	24
409	William Paterson U. NJ	54	11	24	15	4	0	0	0	0	0
410	Wright State U.	54	0	0	0	54	0	0	0	0	0

TABLE 27. Total and federally financed higher education R&D expenditures in the social sciences, ranked by all social sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All social sciences	Economics	Political sciences	Sociology	Social sciences, nec	All social sciences	Economics	Political sciences	Sociology	Social sciences, nec
411	Lake Forest C.	53 i	39 i	14 i	0 i	0 i	0	0	0	0	0
412	Northern KY U.	53	3	7	43	0	29	0	0	29	0
413	Oberlin C.	52	24	16	12	0	0	0	0	0	0
414	U. AR Pine Bluff	52	0	0	52	0	37	0	0	37	0
415	CA State U., East Bay	51	16	22	13	0	0	0	0	0	0
416	U. HI Hilo	51	0	0	0	51	51	0	0	0	51
417	CA State U., Northridge	50	0	5	5	40	35	0	0	0	35
418	Wiley C.	49	0	0	0	49	49	0	0	0	49
419	St. Mary's C. MD	48	0	0	28	20	0	0	0	0	0
420	Northwest Indian C.	47 i	0 i	0 i	0 i	47 i	47	0	0	0	47
421	St. Joseph's U.	47	0	0	42	5	37	0	0	37	0
422	Tarleton State U.	47	0	0	0	47	0	0	0	0	0
423	C. Wooster	44	14	16	9	5	0	0	0	0	0
424	Hofstra U.	44	2	2	40	0	26	0	0	26	0
425	IN U. Southeast	42	0	0	0	42	0	0	0	0	0
426	Radford U.	41	0	0	36	5	3	0	0	0	3
427	U. of the Sciences Philadelphia	41	0	0	27	14	41	0	0	27	14
428	VA Military Institute	41	30	11	0	0	19	19	0	0	0
429	MO State U.	40	0	0	1	39	39	0	0	0	39
430	St. John's U. (Collegeville, MN)	40	3	8	22	7	0	0	0	0	0
431	CA State Polytechnic U., Pomona	39	0	0	0	39	0	0	0	0	0
432	SUNY C. Oneonta	37	13	0	0	24	0	0	0	0	0
433	Clark U.	36	36	0	0	0	17	17	0	0	0
434	U. of the Pacific	35	35	0	0	0	0	0	0	0	0
435	Ithaca C.	34	0	2	32	0	14	0	0	14	0
436	U. CO Colorado Springs	33	30	2	1	0	0	0	0	0	0
437	U. TX Brownsville	33	0	30	0	3	0	0	0	0	0
438	U. WI-Stevens Point	33	1	0	4	28	5	0	0	0	5
439	SUNY New Paltz	32	0	0	27	5	10	0	0	5	5
440	Mercer U.	31	0	30	1	0	0	0	0	0	0
441	U. Hartford	31	0	0	0	31	7	0	0	0	7
442	Oakland U.	30	0	0	1	29	0	0	0	0	0
443	Trinity C. (Hartford, CT)	30	1	18	11	0	0	0	0	0	0
444	U. Puget Sound	28	14	2	5	7	14	14	0	0	0
445	U. WI-Platteville	28	0	0	0	28	0	0	0	0	0
446	VA State U.	28	0	3	25	0	25	0	0	25	0
447	Purdue U. North Central	27	0	0	0	27	18	0	0	0	18



TABLE 27. Total and federally financed higher education R&D expenditures in the social sciences, ranked by all social sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All social sciences	Economics	Political sciences	Sociology	Social sciences, nec	All social sciences	Economics	Political sciences	Sociology	Social sciences, nec
448	U. Tulsa	27	0	0	26	1	25	0	0	25	0
449	TX Christian U.	26	4	6	4	12	0	0	0	0	0
450	U. Dayton	26	0	15	11	0	0	0	0	0	0
451	Sinte Gleska U.	25	5	5	5	10	0	0	0	0	0
452	Eastern IL U.	24	5	4	15	0	15	0	0	15	0
453	Harvey Mudd C.	24	0	0	0	24	0	0	0	0	0
454	Central MI U.	23	0	0	0	23	0	0	0	0	0
455	MT State U. Billings	23	0	0	23	0	23	0	0	23	0
456	Bucknell U.	22	0	3	3	16	0	0	0	0	0
457	Kalamazoo C.	21	11	3	7	0	0	0	0	0	0
458	Northeastern IL U.	21	18	3	0	0	8	8	0	0	0
459	MO U. of Science and Technology	20	0	20	0	0	0	0	0	0	0
460	U. SC Aiken	20 i	1 i	0 i	3 i	16 i	5 i	1 i	0 i	0 i	4 i
461	Vassar C.	20	0	0	0	20	20	0	0	0	20
462	Hope C.	17	7	0	0	10	0	0	0	0	0
463	Loyola C.	17	17	0	0	0	17	17	0	0	0
464	U. Scranton	17	5	5	7	0	0	0	0	0	0
465	U. WI-River Falls	17	17	0	0	0	0	0	0	0	0
466	DePauw U.	16	0	0	16	0	0	0	0	0	0
467	Furman U.	16	16	0	0	0	6	6	0	0	0
468	U. SC Upstate	16 i	0 i	0 i	3 i	13 i	0 i	0 i	0 i	0 i	0 i
469	Drake U.	15	0	4	11	0	0	0	0	0	0
470	U. WI-Green Bay	15	0	0	0	15	15	0	0	0	15
471	SUNY C. Geneseo	14	0	3	6	5	0	0	0	0	0
472	Duquesne U.	13	0	0	13	0	0	0	0	0	0
473	New C. FL	13	3	5	3	2	0	0	0	0	0
474	Saginaw Valley State U.	13	4	1	8	0	0	0	0	0	0
475	U. South FL Polytechnic	13	0	0	0	13	0	0	0	0	0
476	TN Technological U.	12	0	6	6	0	0	0	0	0	0
477	AR State U. main campus	11	0	6	0	5	0	0	0	0	0
478	U. SC Beaufort	11 i	3 i	4 i	0 i	4 i	2 i	0 i	2 i	0 i	0 i
479	Loyola Marymount U.	10	0	5	5	0	0	0	0	0	0
480	Loyola U. New Orleans	10	0	10	0	0	0	0	0	0	0
481	Coe C.	9	9	0	0	0	0	0	0	0	0
482	Midwestern State U.	9	0	6	2	1	0	0	0	0	0
483	U. Houston-Clear Lake	9	0	0	9	0	0	0	0	0	0
484	U. MI-Flint	9	0	0	0	9	0	0	0	0	0
485	Western KY U.	9	0	0	0	9	8	0	0	0	8

TABLE 27. Total and federally financed higher education R&D expenditures in the social sciences, ranked by all social sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All social sciences	Economics	Political sciences	Sociology	Social sciences, nec	All social sciences	Economics	Political sciences	Sociology	Social sciences, nec
486	Augustana C. (Rock Island, IL)	8	0	7	1	0	0	0	0	0	0
487	Clarkson U.	8	0	0	0	8	0	0	0	0	0
488	Long Island U.	8 i	0 i	7 i	0 i	1 i	0 i	0 i	0 i	0 i	0 i
489	Northern MI U.	8	0	0	7	1	0	0	0	0	0
490	Truman State U.	8	3	1	1	3	0	0	0	0	0
491	Gustavus Adolphus C.	7	0	6	0	1	0	0	0	0	0
492	Luther C.	7	5	2	0	0	0	0	0	0	0
493	SUNY C. Brockport	7	0	0	7	0	1	0	0	1	0
494	U. WI-Stout	7	0	0	3	4	0	0	0	0	0
495	Wabash C.	7	7	0	0	0	0	0	0	0	0
496	WV State U.	7	7	0	0	0	7	7	0	0	0
497	Purdue U. Calumet	6	0	1	0	5	0	0	0	0	0
498	St. Olaf C.	5	0	5	0	0	0	0	0	0	0
499	U. CA Office of the President	5	0	0	0	5	0	0	0	0	0
500	Abilene Christian U.	4	0	4	0	0	0	0	0	0	0
501	U. NE Kearney	4	0	4	0	0	0	0	0	0	0
502	Winona State U.	4	0	3	1	0	0	0	0	0	0
503	Denison U.	3 i	0 i	0 i	0 i	3 i	0 i	0 i	0 i	0 i	0 i
504	Eastern KY U.	3	0	3	0	0	0	0	0	0	0
505	MA C. of Pharmacy and Health Sciences	3	0	0	0	3	3	0	0	0	3
506	SUNY C. Cortland	3	0	0	3	0	0	0	0	0	0
507	Bradley U.	2	0	0	2	0	0	0	0	0	0
508	CUNY Medgar Evers C.	2	2	0	0	0	0	0	0	0	0
509	Murray State U.	2	2	0	0	0	0	0	0	0	0
510	PA State U. Altoona	2	2	0	0	0	0	0	0	0	0
511	Southwestern OK State U.	2	0	0	0	2	0	0	0	0	0
512	St. Michael's C.	2	0	2	0	0	0	0	0	0	0
513	Trinity U.	2	0	0	2	0	2	0	0	2	0
514	U. Central AR	2	0	0	0	2	0	0	0	0	0
515	U. WI-Parkside	2	0	0	2	0	0	0	0	0	0

TABLE 27. Total and federally financed higher education R&D expenditures in the social sciences, ranked by all social sciences R&D, by subfield: FY 2010  
(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All social sciences	Economics	Political sciences	Sociology	Social sciences, nec	All social sciences	Economics	Political sciences	Sociology	Social sciences, nec
516	Wake Forest U.	2	0	0	0	2	0	0	0	0	0
517	Gonzaga U.	1	0	0	0	1	0	0	0	0	0
518	Grand Valley State U.	1	0	0	0	1	0	0	0	0	0
519	Weber State U.	1	0	0	1	0	1	0	0	1	0

i = imputed.

nec = not elsewhere classified.

<sup>a</sup> The Johns Hopkins University includes Applied Physics Laboratory, with \$3,538 in total and \$3,105 in federally financed R&D expenditures in social sciences in FY 2010.

NOTES: Institutions reporting zero expenditures in ranked total for FY 2010 are not listed in this table. Tied institutions are ranked alphabetically. Institutions ranked are geographically separate campuses headed by a campus-level president or chancellor. Some campuses are part of large multicampus universities; some are part of state university systems. For complete listing of campuses that belong to a larger university or system and their aggregate R&D expenditures, see table C-2.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE 28. Higher education R&D expenditures in engineering, ranked by all engineering R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All engineering R&D expenditures	Aeronautical/astronautical engineering	Bioengineering/biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/materials engineering	Engineering, nec
	All institutions	9,344,197	625,290	741,317	797,416	1,063,961	2,012,209	1,433,962	908,444	1,761,598
1	Johns Hopkins U., The <sup>a</sup>	781,990	99,737 i	24,190 i	17,351 i	12,513 i	221,780 i	154,365 i	1,092 i	250,962 i
2	GA Institute of Technology	424,401	54,963	29,351	28,202	23,041	163,698	70,486	21,292	33,368
3	PA State U. University Park and Hershey Medical Ctr.	275,235	14,416	3,876	12,805	12,355	93,827	65,514	72,442	0
4	MA Institute of Technology	265,373	20,238	34,392	25,497	12,614	37,239	36,714	22,364	76,315
5	TX A&M U.	247,926	20,336	17,479	17,688	65,946	18,106	34,469	4,779	69,123
6	SUNY Albany	219,940	0	0	0	0	0	0	219,940	0
7	U. MI-Ann Arbor	209,493	10,942	17,154	10,468	13,431	56,327	36,533	11,744	52,894
8	Purdue U. main campus	181,048	10,675	7,360	13,958	30,330	38,272	31,634	5,147	43,672
9	U. TX Austin	172,910	11,441	7,896	21,947	28,729	41,259	11,974	24,649	25,015
10	VA Polytechnic Institute and State U.	170,420	8,638	10,906	5,367	37,874	31,199	32,834	17,973	25,629
11	U. CA, Berkeley	163,183	0	210	7,010	39,314	84,178	412	170	31,889
12	OH State U.	145,812	445	1,418	27,771	10,702	19,533	57,696	15,575	12,672
13	U. IL Urbana-Champaign	139,863	8,511	2,790	9,324	23,118	41,135	25,188	15,796	14,001
14	Stanford U.	126,744	10,835	20,742	13,826	10,685	32,718	29,367	3,233	5,338
15	U. CA, San Diego	113,218	0	22,177	0	0	66,809	11,627	0	12,605
16	U. MD College Park	109,557	20,286	2,778	1,989	13,472	15,550	25,343	9,005	21,134
17	NC State U.	107,054	5,419	9,987	20,589	9,815	16,001	5,933	15,557	23,753
18	U. WA Seattle	101,043	8,237	23,275	5,627	14,458	27,527	9,116	8,168	4,635
19	U. WI-Madison	98,468	0	4,581	11,656	11,376	10,559	7,047	6,550	46,699
20	Cornell U.	92,480	0	6,238	5,201	5,390	14,325	9,950	10,225	41,151
21	U. FL	91,933	10,030	11,943	4,251	20,584	14,581	4,885	12,576	13,083
22	AZ State U.	91,907	0	24,661	2,109	9,810	33,866	5,391	8,979	7,091
23	U. Dayton	89,118	6,183	518	7,548	1,177	14,643	7,306	49,269	2,474
24	U. CA, Santa Barbara	87,810	0	13,727	12,808	926	29,358	7,287	23,546	158
25	U. MN Twin Cities	86,783	6,797	15,079	10,977	18,024	12,156	18,546	0	5,204
26	U. SC Columbia	82,980	0	2,353	22,990	14,297	22,330	21,010	0	0
27	Carnegie Mellon U.	82,890	1,126	7,415	7,941	5,076	22,430	4,132	6,622	28,148
28	U. Rochester	82,067	0	2,768	1,112	0	4,808	64,533	0	8,846
29	U. CO Boulder	81,898	41,206	847	13,299	8,667	8,685	8,596	545	53
30	U. CA, Davis	78,938	0	18,987	14,295	22,401	6,585	8,226	0	8,444
31	NM State U.	77,310	12,599	0	3,203	1,626	10,163	815	1,321	47,583
32	Clemson U.	73,941	0	11,178	4,458	9,976	5,127	18,916	16,254	8,032
33	UT State U.	73,923	53,213	1,522	0	12,878	1,957	2,699	0	1,654
34	Northwestern U.	68,634	0	8,816	5,879	3,738	5,265	7,824	18,201	18,911
35	U. UT	66,107	0	8,262	9,261	19,457	6,274	2,976	5,332	14,545

TABLE 28. Higher education R&amp;D expenditures in engineering, ranked by all engineering R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All engineering R&D expenditures	Aeronautical/astronautical engineering	Bioengineering/biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/materials engineering	Engineering, nec
36	U. CA, Los Angeles	64,504	0	2,871	5,029	4,930	24,910	14,408	6,275	6,081
37	Princeton U.	63,425	13,329	0	8,029	7,736	11,387	0	21,935	1,009
38	MS State U.	61,818	4,114	1,113	5,809	5,774	20,565	11,020	4,189	9,234
39	SUNY Buffalo	60,078	791	3,744	10,259	14,340	3,777	8,782	542	17,843
40	IA State U.	59,110	4,319	0	6,628	15,155	6,982	3,044	4,098	18,884
41	U. TN Knoxville	57,728	8,191	3,116	5,980	9,723	7,390	0	11,435	11,893
42	U. Southern CA	55,910	2,738	12,426	9,072	3,622	18,201	1,922	2,543	5,386
43	Rensselaer Polytechnic Institute	54,514	0	736	5,602	8,992	14,680	14,199	9,028	1,277
44	U. DE	53,385	0	2,582	13,531	10,364	9,518	5,804	9,807	1,779
45	Rutgers, the State U. NJ-New Brunswick	52,641	377	6,436	8,158	17,319	4,334	5,974	5,638	4,405
46	U. CA, Santa Cruz	51,549	0	0	0	0	6,460	0	0	45,089
47	U. AZ	51,183	1,518	3,422	4,675	1,826	17,735	12,133	5,430	4,444
48	Columbia U. in the City of New York	50,476	2,976	11,445	7,572	3,679	14,686	4,548	508	5,062
49	CA Institute of Technology	48,011	6,205	2,084	2,786	1,315	6,736	5,186	6,349	17,350
50	Woods Hole Oceanographic Institution	47,882	0	0	0	0	0	0	0	47,882
51	NJ Institute of Technology	46,657	0	3,537	8,646	8,194	3,311	1,535	0	21,434
52	Duke U.	46,558	0	19,450	0	2,947	12,485	4,606	2,036	5,034
53	U. KY	46,519	0	1,964	3,297	8,401	4,956	1,895	3,443	22,563
54	U. ND	46,031	0	0	3,629	2,262	975	571	0	38,594
55	U.S. Air Force Academy	46,026	6,456	0	0	235	2,252	31,783	0	5,300
56	Wichita State U.	45,939	41,440	0	0	0	2,419	832	0	1,248
57	U. VA main campus	45,856	0	9,461	2,843	809	7,119	13,002	9,076	3,546
58	Auburn U. main campus	44,712	1,401	0	5,342	10,499	3,954	4,491	1,741	17,284
59	U. MA Amherst	44,357	0	0	15,383	7,517	15,088	5,756	0	613
60	Drexel U.	43,624	0	8,598	4,709	3,337	6,628	7,698	5,617	7,037
61	Vanderbilt U.	43,344	0	5,021	4,071	9,272	21,071	3,379	0	530
62	MI State U.	42,015	0	561	12,409	5,524	8,501	10,064	0	4,956
63	Case Western Reserve U.	40,983	0	12,725	5,433	603	10,177	4,307	3,817	3,921
64	OK State U. main campus	40,556	367	0	14,327	2,712	2,115	4,468	0	16,567
65	U. IA	40,527	0	873	1,597	19,216	3,030	1,502	0	14,309
66	Rice U.	40,201	0	13,789	5,884	3,659	10,911	4,268	1,677	13
67	FL State U.	40,129	25	388	872	1,893	12,538	20,424	3,449	540
68	U. Houston	39,537	1,834	4,707	8,195	3,020	5,388	3,846	10,346	2,201
69	Harvard U.	39,308	0	4,489	6,168	0	4,763	3,394	2,410	18,084
70	Syracuse U.	38,971	0	3,027	249	5,255	3,356	26,985	0	99
71	U. TX Arlington	37,784	0	3,360	0	2,549	5,303	2,533	1,447	22,592
72	U. Cincinnati	37,611	3,989	4,913	6,501	7,238	6,181	6,668	0	2,121
73	MI Technological U.	36,755	0	1,881	2,886	5,270	7,411	13,692	2,829	2,786

TABLE 28. Higher education R&amp;D expenditures in engineering, ranked by all engineering R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All engineering R&D expenditures	Aeronautical/astronautical engineering	Bioengineering/biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/materials engineering	Engineering, nec
74	U. PA	36,651	0	9,472	3,501	0	8,633	6,311	6,814	1,920
75	LA State U. and A&M C.	36,520	0	0	5,923	8,811	1,598	4,931	6,921	8,336
76	U. CA, Irvine	35,569	0	4,088	2,669	8,202	13,240	7,355	0	15
77	WV U.	35,532	30	0	5,105	5,886	6,632	13,557	370	3,952
78	WA State U.	34,990	285	7,078	3,327	5,179	3,653	2,917	3,704	8,847
79	U. Central FL	34,937	1,061	10,931	0	5,913	9,901	3,496	2,920	715
80	Boston U.	34,628	1,607	18,367	0	0	8,992	3,264	2,040	358
81	U. NE-Lincoln	33,499	0	2,321	6,389	8,178	5,821	3,614	1,370	5,806
82	U. of Notre Dame	32,397	7,757	0	6,562	4,171	11,461	0	2,138	308
83	CO State U.	32,356	0	0	3,061	10,714	12,620	5,046	0	915
84	MO U. of Science and Technology	31,411	0	0	0	1,271	6,062	3,869	5,837	14,372
85	U. NM	31,335	399	2,369	2,270	3,519	12,619	1,885	4,672	3,602
86	U. AL Huntsville, The	31,043	17,193	383	135	1,178	3,514	3,748	462	4,430
87	U. Pittsburgh main campus	30,928	0	8,454	5,674	3,681	3,414	6,088	230	3,387
88	Old Dominion U.	30,869	0	0	0	4,522	14,064	12,283	0	0
89	Northeastern U.	29,774	0	0	1,403	4,866	14,798	8,087	0	620
90	CUNY The City C.	28,545	158	3,506	7,030	9,596	6,170	1,911	174	0
91	TX Tech U.	28,300	0	0	5,010	5,890	8,440	3,820	0	5,140
92	OR State U.	27,961	0	5,891	1,695	5,679	3,608	1,625	963	8,500
93	U. OK	27,192	0	0	8,932	5,576	5,508	1,804	0	5,372
94	U. South FL	26,933	0	6	1,380	14,985	4,928	3,971	0	1,663
95	U. TX Dallas	26,875	0	0	0	0	26,875	0	0	0
96	SD School of Mines and Technology	26,786	0	0	1,193	847	379	1,399	5,611	17,357
97	Yale U.	26,598	0	2,918	4,437	0	6,491	3,923	0	8,829
98	U. ME	26,299	0	0	4,421	1,483	4,666	2,058	13,394	277
99	CO School of Mines	26,080	25	77	5,375	4,021	0	1,540	9,055	5,987
100	U. Akron	25,968	0	664	14,354	3,627	1,579	2,859	0	2,885
101	KS State U.	25,782	477	0	4,620	4,285	1,243	3,998	0	11,159
102	SUNY Binghamton	25,551	0	971	0	0	6,646	8,244	0	9,690
103	U. Louisville	25,541	213	4,859	1,344	2,735	6,018	1,229	583	8,560
104	FL International U.	23,858	0	1,482	0	10,839	1,791	2,468	0	7,278
105	U. CT	23,723	0	0	2,473	6,670	5,380	5,487	2,992	721
106	U. AR main campus	23,586	0	1,342	1,985	3,523	7,711	1,878	0	7,147
107	MT State U. Bozeman	23,204	0	4,421	1,624	9,346	2,742	1,137	0	3,934
108	U. MA Lowell	22,874	0	314	1,112	1,096	4,710	3,840	3,439	8,363
109	U. CA, Riverside	22,240	0	1,055	3,997	6,205	5,720	1,946	2,857	460
110	Dartmouth C.	21,442	0	8,065	3,828	710	5,187	3,652	0	0

TABLE 28. Higher education R&D expenditures in engineering, ranked by all engineering R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All engineering R&D expenditures	Aeronautical/astronautical engineering	Bioengineering/biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/materials engineering	Engineering, nec
111	Wayne State U.	20,923	0	5,078	2,376	2,205	5,106	5,155	0	1,003
112	Lehigh U.	20,896	0	137	2,768	5,315	4,553	2,605	3,948	1,570
113	Brown U.	20,840	0	2,683	977	0	6,777	3,829	2,808	3,766
114	Mercer U.	20,701	7,611	0	0	0	1,313	7,772	3,985	20
115	Washington U. St. Louis	20,293	0	12,465	3,706	520	1,672	1,477	301	152
116	OH U.	19,971	7,584	0	6,635	1,808	1,208	752	338	1,646
117	U. TX El Paso	19,272	2,296	814	0	3,321	2,099	1,181	553	9,008
118	Stevens Institute of Technology	19,029	0	902	0	342	3,699	3,297	4,792	5,997
119	NM Institute of Mining and Technology	18,942	0	0	5,637	131	222	605	526	11,821
120	U. IL Chicago	18,749	0	7,835	1,003	2,611	3,979	3,315	0	6
121	U. KS	18,459	814	1,697	3,165	5,215	7,096	349	0	123
122	U. MO-Columbia	17,898	0	83	106	3,294	8,496	2,211	0	3,708
123	U. WI-Milwaukee	17,737	0	0	0	2,416	2,696	2,326	1,411	8,888
124	Rochester Institute of Technology	17,524	0	0	365	25	4,000	2,257	0	10,877
125	SUNY Stony Brook	17,458	0	6,069	0	0	6,026	783	3,133	1,447
126	U. ID	17,192	980	0	1,643	3,685	4,780	913	616	4,575
127	Naval Postgraduate School	16,711	5,050	0	0	0	4,693	3,971	172	2,825
128	ND State U.	16,443	0	0	0	1,444	309	1,269	0	13,421
129	U. NH	16,239	0	0	320	5,299	7,309	1,951	1,043	317
130	U. AL Birmingham, The	15,983	4,300	5,047	0	627	44	3,279	1,835	851
131	U. Tulsa	15,177	0	0	12,722	0	192	2,226	0	37
132	U. AL, The	14,694	858	0	3,255	2,063	1,758	3,332	3,184	244
133	IL Institute of Technology	14,662	703	1,617	2,701	868	7,010	1,763	0	0
134	TN Technological U.	14,331	0	0	1,192	2,844	2,923	6,662	0	710
135	U. Toledo	13,758	0	1,802	2,516	1,095	1,127	7,194	0	24
136	AL State U.	13,340	0	13,340	0	0	0	0	0	0
137	Clarkson U.	13,178	7	0	2,759	5,717	1,585	3,110	0	0
138	Tufts U.	13,176	0	7,151	1,327	2,086	1,012	1,600	0	0
139	NC Agricultural and Technical State U.	12,721	0	0	571	814	1,233	7,247	0	2,856
140	FL Atlantic U.	11,822	0	0	0	405	590	436	0	10,391
141	U. PR Mayaguez	11,714	0	222	2,752	1,839	4,021	1,162	1,124	594
142	U. MD Baltimore County	11,552	0	0	3,189	208	6,301	1,854	0	0
143	Air Force Institute of Technology	11,477	3,519	0	0	0	5,860	0	887	1,211
144	Brigham Young U.	11,343	0	0	2,307	1,112	3,785	3,549	0	590
145	Worcester Polytechnic Institute	10,992	0	1,885	2,154	584	2,672	2,157	708	832
146	U. NV, Reno	10,977	441	0	862	4,432	700	2,621	1,695	226
147	George Mason U.	10,973	0	227	0	329	3,425	0	0	6,992
148	LA Tech U.	10,958	0	3,193	409	1,208	1,158	1,464	924	2,602

TABLE 28. Higher education R&amp;D expenditures in engineering, ranked by all engineering R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All engineering R&D expenditures	Aeronautical/astronautical engineering	Bioengineering/biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/materials engineering	Engineering, nec
149	Southern IL U. Carbondale	10,646	0	0	0	745	1,205	2,141	5,167	1,388
150	Embry-Riddle Aeronautical U.	10,549	6,612	0	0	33	0	293	0	3,611
151	U. VT	10,462	3,048	0	0	5,180	0	275	0	1,959
152	Wright State U.	10,409	0	2,603	0	0	2,032	3,455	499	1,820
153	George Washington U.	10,273	1,542	1,325	0	4,156	968	612	632	1,038
154	SD State U.	10,097	0	0	0	480	4,043	2,798	0	2,776
155	U. AK Fairbanks	9,831	208	0	268	6,020	2,571	558	186	20
156	IN U.-Purdue U. Indianapolis	9,504	0	4,609	0	40	1,710	2,104	0	1,041
157	Portland State U.	9,254	0	0	0	4,969	1,895	1,163	1,112	115
158	U. NV, Las Vegas	9,005	0	0	0	2,286	2,662	4,057	0	0
159	U. HI Manoa	8,884	0	0	0	2,806	1,682	2,070	0	2,326
160	U. TX San Antonio	8,840	575	2,398	0	1,485	1,377	2,505	0	500
161	Emory U.	8,576	0	8,576	0	0	0	0	0	0
162	Villanova U.	8,497 i	0 i	0 i	95 i	642 i	4,581 i	3,179 i	0 i	0 i
163	San Diego State U.	8,436	120	11	0	1,052	733	1,452	0	5,068
164	U. GA	8,398	0	1,232	0	0	0	0	0	7,166
165	Polytechnic U.	8,034	0	0	490	440	2,908	1,093	0	3,103
166	Marshall U.	8,017	0	0	0	0	0	0	6,434	1,583
167	SUNY C. of Environmental Science and Forestry	7,912	0	0	4,783	1,023	0	0	0	2,106
168	U. CA, Merced	7,871	0	1,368	0	2,823	1,713	1,227	740	0
169	Boise State U.	7,247	7	91	353	242	3,617	357	1,806	774
170	U. WY	7,213	0	0	2,198	1,724	1,458	1,827	0	6
171	Morgan State U.	7,175	0	0	0	1,403	991	0	0	4,781
172	U.S. Naval Academy	6,931	1,564	0	0	0	1,163	2,608	0	1,596
173	U. North TX	6,883	0	0	0	0	102	0	5,062	1,719
174	U. Memphis, The	6,846	0	1,924	0	2,909	1,412	218	0	383
175	U. TN Chattanooga	6,709	0	0	0	0	0	0	0	6,709
176	Temple U.	6,483	0	1,343	0	2,060	691	2,389	0	0
177	Cleveland State U.	6,427	0	2,173	799	861	1,645	947	0	2
178	U. NC Charlotte	6,210	0	0	0	1,478	1,143	2,994	0	595
179	Kettering U.	6,198	0	0	0	0	167	6,020	0	11
180	U. RI	6,197	0	0	1,360	894	993	2,462	22	466
181	U. MA Dartmouth	6,175	0	165	0	759	1,769	841	753	1,888
182	U.S. Military Academy	5,918 i	0 i	0 i	0 i	0 i	2,044 i	1,217 i	0 i	2,657 i
183	U. MS and U. MS Medical Ctr.	5,901	0	0	61	914	450	1,313	0	3,163
184	Northern IL U.	5,696	0	0	0	0	78	427	527	4,664
185	CA State U., Sacramento	5,663	0	0	0	5,185	434	44	0	0



TABLE 28. Higher education R&amp;D expenditures in engineering, ranked by all engineering R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All engineering R&D expenditures	Aeronautical/astronautical engineering	Bioengineering/biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/materials engineering	Engineering, nec
186	U. MI-Dearborn	5,484	0	0	0	0	1,926	2,360	0	1,198
187	Jackson State U.	5,384	0	0	0	570	2,674	0	0	2,140
188	U. LA Lafayette	5,278	0	0	1,210	1,151	1,413	733	563	208
189	CA State U., Long Beach	5,267	23	5	0	636	31	684	0	3,888
190	Western MI U.	5,258	422	0	1,806	423	18	1,611	0	978
191	U. Miami	5,191	0	833	0	2,189	1,012	787	0	370
192	Howard U.	5,141	0	0	107	1,354	1,253	448	0	1,979
193	CA Polytechnic State U., San Luis Obispo	4,913	1,634	7	0	876	110	600	29	1,657
194	Marquette U.	4,877	0	1,960	0	787	510	953	0	667
195	VA Commonwealth U.	4,710	0	968	866	0	1,188	1,247	0	441
196	U. New Orleans	4,587	0	0	0	510	1,089	724	0	2,264
197	U. CO Colorado Springs	4,398	2,045	475	0	0	740	77	0	1,061
198	Lamar U.	4,019	0	0	3,059	535	30	44	0	351
199	U. WI-Superior	3,969	0	0	0	3,969	0	0	0	0
200	Alfred U.	3,518	0	0	0	0	0	0	3,518	0
201	MT Tech of the U. MT	3,515	0	0	47	0	342	0	2,645	481
202	Prairie View A&M U.	3,382	221	0	461	100	1,933	429	0	238
203	Tulane U.	3,370	0	623	2,563	184	0	0	0	0
204	U. North FL	3,307	0	0	0	313	164	2,783	0	47
205	Southern IL U. Edwardsville	3,299	0	0	0	235	750	1,316	0	998
206	U. TX Pan American	3,145	0	0	0	0	40	558	933	1,614
207	Southern Methodist U.	3,073	0	0	0	255	1,440	945	0	433
208	Lawrence Technological U.	3,042	0	0	0	2,465	1	576	0	0
209	San Jose State U.	3,034	561	0	657	319	858	35	0	604
210	FL A&M U.	2,908	0	0	172	293	306	1,149	0	988
211	U. MD Baltimore	2,826	0	2,826	0	0	0	0	0	0
212	Milwaukee School of Engineering	2,809	9	31	0	1,175	197	1,397	0	0
213	TX A&M U.-Kingsville	2,632	0	0	235	1,507	25	92	0	773
214	SC State U.	2,592	0	0	0	0	0	0	0	2,592
215	Catholic U. America, The	2,551	0	718	0	376	637	820	0	0
216	U. CO Denver and Health Sciences Ctr.	2,414	0	0	0	2,133	74	205	0	2
217	Bucknell U.	2,402	0	343	299	682	134	822	0	122
218	Oakland U.	2,365	0	207	0	0	516	1,634	0	8
219	TN State U.	2,351	0	0	0	250	1,182	758	0	161
220	U. Denver	2,207	126	415	0	0	427	922	317	0
221	Norfolk State U.	2,188	0	0	0	0	568	0	40	1,580
222	Santa Clara U.	2,151	867	57	0	150	84	6	46	941
223	Eastern MI U.	2,082	0	316	0	0	0	1,766	0	0

TABLE 28. Higher education R&amp;D expenditures in engineering, ranked by all engineering R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All engineering R&D expenditures	Aeronautical/astronautical engineering	Bioengineering/biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/materials engineering	Engineering, nec
224	TX State U.-San Marcos	2,040	0	0	27	0	112	39	1,622	240
225	AL A&M U.	2,018	0	0	0	655	1,133	23	0	207
226	CA State U., Los Angeles	1,974	840	0	0	749	249	136	0	0
227	U. MN Duluth	1,900	0	0	47	992	318	330	0	213
228	U. TX Medical Branch	1,847	0	1,847	0	0	0	0	0	0
229	Central State U.	1,846	0	0	0	969	0	0	127	750
230	MO State U.	1,792	0	59	0	0	348	0	0	1,385
231	FL Institute of Technology	1,766	0	0	155	280	406	925	0	0
232	MN State U. Mankato	1,683	0	0	0	16	54	361	0	1,252
233	U. AR Little Rock	1,643	1,237	50	0	11	149	0	131	65
234	Eastern KY U.	1,624	0	0	1,624	0	0	0	0	0
235	Tuskegee U.	1,602	391	0	400	0	222	589	0	0
236	VA State U.	1,556	298	291	63	21	0	62	0	821
237	U. OR	1,525	0	0	0	1,525	0	0	0	0
238	Pittsburg State U.	1,503	29	0	1,422	0	0	15	37	0
239	U. TX Tyler	1,478	0	0	32	109	766	82	0	489
240	CA State U., Fresno	1,433	156	828	0	116	197	3	0	133
241	Purdue U. Calumet	1,425	0	0	0	19	678	111	0	617
242	CA State U., Chico	1,389	0	0	0	202	425	762	0	0
243	Rowan U.	1,384	0	0	209	774	340	44	0	17
244	SUNY C. of A&T Cobleskill	1,382	0	0	0	0	0	0	0	1,382
245	U. AK Anchorage	1,344	147	0	0	785	252	0	0	160
246	Georgetown U.	1,264	0	0	0	0	0	0	0	1,264
247	West TX A&M U.	1,210	0	0	0	31	0	0	0	1,179
248	Miami U.	1,139	0	0	169	2	817	151	0	0
249	ID State U.	1,132	0	0	0	156	199	146	0	631
250	Murray State U.	1,081	0	0	0	0	0	0	0	1,081
251	Hampton U.	1,060	235	0	60	0	400	0	0	365
252	U. South AL	976	0	0	91	357	154	324	0	50
253	PA State U. Erie, The Behrend C.	945	82	83	170	82	103	107	318	0
254	St. Louis U.	931	385	495	0	0	51	0	0	0
255	Northern AZ U.	906	0	108	0	244	98	455	0	1
256	U. SD	892	0	892	0	0	0	0	0	0
257	Smith C.	881	24	106	92	0	47	27	81	504
258	Bradley U.	852	0	0	0	10	5	106	0	731
259	CA State U., Northridge	814	0	0	0	0	205	309	0	300
260	San Francisco State U.	758	0	0	0	343	190	225	0	0

TABLE 28. Higher education R&D expenditures in engineering, ranked by all engineering R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All engineering R&D expenditures	Aeronautical/astronautical engineering	Bioengineering/biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/materials engineering	Engineering, nec
261	U. Central OK	754	0	719	35	0	0	0	0	0
262	U. WI-La Crosse	718	87	0	0	0	0	0	0	631
263	LeTourneau U.	706	0	567	0	0	28	0	111	0
264	U. of the Pacific	690	0	20	0	206	0	10	0	454
265	CA State U., Monterey Bay	665	0	0	0	0	0	0	0	665
266	Universidad del Turabo	645	0	0	0	0	16	35	0	594
267	Southern U. Baton Rouge	644	0	0	0	0	214	404	17	9
268	U. Hartford	632	412	3	0	52	0	0	0	165
269	PA State U. Harrisburg	620	84	83	84	99	88	93	89	0
270	U. NE Omaha	617	617	0	0	0	0	0	0	0
271	MS Valley State U.	608	17	0	0	0	0	0	0	591
272	U.S. Coast Guard Academy	599	0	0	0	60	524	15	0	0
273	U. MO-Kansas City	596	0	0	0	139	0	0	0	457
274	Humboldt State U.	579	0	0	0	0	0	0	0	579
275	CUNY C. Staten Island	560	0	9	201	21	0	81	0	248
276	West Liberty State C.	550	0	550	0	0	0	0	0	0
277	Baylor U.	509	0	0	0	0	356	153	0	0
278	Manhattan C.	498	0	0	0	498	0	0	0	0
279	CA State U., Fullerton	495	139	0	9	312	35	0	0	0
280	Harvey Mudd C.	479	0	0	0	0	0	0	0	479
281	CA State Polytechnic U., Pomona	476	0	0	0	0	0	476	0	0
282	TX A&M International U.	474	0	0	0	0	321	153	0	0
283	U. WA Bothell	471	0	0	0	0	37	0	0	434
284	Benedict C.	450	0	0	0	0	450	0	0	0
285	James Madison U.	447	0	3	3	248	193	0	0	0
286	Lafayette C.	427	0	62	91	171	22	81	0	0
287	Western WA U.	420	0	0	0	0	0	420	0	0
288	East Carolina U.	418	0	0	0	144	0	210	0	64
289	Grand Valley State U.	403	0	60	0	60	149	74	21	39
290	VA Military Institute	400	0	0	0	17	3	380	0	0
291	U. WI-Stevens Point	397	0	391	0	4	0	0	0	2
292	Rutgers, the State U. NJ-Camden	391	0	0	0	0	0	0	0	391
293	IN U.-Purdue U. Ft. Wayne	382	0	0	0	0	37	0	0	345
294	Cooper Union, The	371	0	94	0	0	67	136	0	74
295	Kent State U.	366	0	54	37	25	11	0	146	93
296	PA State U. Altoona	366	115	0	23	0	97	106	25	0
297	Loyola Marymount U.	364	0	0	0	34	0	330	0	0
298	Bowling Green State U.	347	35	0	0	0	312	0	0	0

TABLE 28. Higher education R&D expenditures in engineering, ranked by all engineering R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All engineering R&D expenditures	Aeronautical/astronautical engineering	Bioengineering/biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/materials engineering	Engineering, nec
299	FL Gulf Coast U.	340	0	336	0	4	0	0	0	0
300	GA Southern U.	309	0	0	0	8	3	9	0	289
301	U. Detroit Mercy	298	0	0	0	60	136	78	0	24
302	Lincoln U. of the Commonwealth of PA	287	20	267	0	0	0	0	0	0
303	U. MD Eastern Shore	287	0	0	0	0	287	0	0	0
304	U. SC Beaufort	287 i	51 i	0 i	0 i	1 i	21 i	170 i	0 i	44 i
305	TX A&M U.-Corpus Christi	262	0	0	6	0	19	0	0	237
306	NY Institute of Technology	246	0	0	0	183	63	0	0	0
307	WV State U.	233	0	233	0	0	0	0	0	0
308	Central WA U.	220	0	0	0	0	0	0	0	220
309	TX A&M U. System Health Science Ctr.	218	0	206	0	0	0	0	0	12
310	Hope C.	217	0	0	0	0	0	54	86	77
311	Swarthmore C.	214	0	0	0	31	105	78	0	0
312	Union C. (Schenectady, NY)	214	0	0	0	2	36	90	0	86
313	Ball State U.	211	0	0	0	204	0	0	0	7
314	U. Southern MS	198	0	0	0	198	0	0	0	0
315	Middle TN State U.	196	141	0	0	0	0	0	0	55
316	U. PR Rio Piedras	179	0	0	0	179	0	0	0	0
317	TX Southern U.	170	0	0	0	0	0	0	0	170
318	Saginaw Valley State U.	163	0	0	0	0	2	157	0	4
319	IN State U.	162	0	0	0	0	142	0	0	20
320	PA State U. Great Valley School of Graduate Professional Studies	162	0	0	0	0	52	110	0	0
321	Southern Polytechnic State U.	157	0	0	0	44	0	1	0	112
322	Seattle U.	154 i	0 i	0 i	0 i	64 i	20 i	70 i	0 i	0 i
323	Alcorn State U.	153	0	0	0	0	0	0	0	153
324	Rose-Hulman Institute of Technology	143	0	31	27	21	25	39	0	0
325	U. MA Boston	141	0	0	0	0	139	0	0	2
326	U. Portland	138	0	0	0	112	1	25	0	0
327	Weber State U.	136	108	0	0	0	6	22	0	0
328	Salish Kootenai C.	134	0	0	0	0	0	0	0	134
329	Youngstown State U.	131	0	0	0	0	21	89	18	3
330	CA State U., San Marcos	130	0	130	0	0	0	0	0	0
331	St. Mary's U. (San Antonio, TX)	130	0	97	0	0	0	0	0	33
332	Fairfield U.	129	0	0	0	0	0	0	0	129
333	Roger Williams U.	128	0	0	0	0	0	5	0	123
334	Hendrix C.	126	126	0	0	0	0	0	0	0
335	Western Carolina U.	123	0	0	0	0	0	0	11	112

TABLE 28. Higher education R&D expenditures in engineering, ranked by all engineering R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All engineering R&D expenditures	Aeronautical/astronautical engineering	Bioengineering/biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/materials engineering	Engineering, nec
336	Hofstra U.	119	0	0	0	0	0	0	0	119
337	Savannah State U.	118	0	0	0	0	0	0	0	118
338	Morehouse C.	117	0	0	0	0	0	0	0	117
339	KY State U.	112	0	0	0	0	0	0	0	112
340	U. San Diego	112	0	0	0	0	0	0	0	112
341	McNeese State U.	108	0	0	0	0	0	0	0	108
342	U. WA Tacoma	106	0	0	0	0	106	0	0	0
343	Albany State U.	100	100	0	0	0	0	0	0	0
344	Calvin C.	97	0	0	17	27	0	53	0	0
345	St. Cloud State U.	95	0	0	0	0	88	7	0	0
346	Valparaiso U.	93	0	0	0	25	68	0	0	0
347	SUNY Institute of Technology at Utica-Rome	92	0	0	0	0	0	92	0	0
348	Clark Atlanta U.	89	0	45	0	0	0	28	0	16
349	U. TX Brownsville	81	0	0	0	0	0	0	0	81
350	Bates C.	80	0	80	0	0	0	0	0	0
351	U. of St. Thomas (St. Paul, MN)	70	0	0	0	0	0	0	0	70
352	Luther C.	65	0	0	65	0	0	0	0	0
353	TX Christian U.	65	0	0	0	0	40	25	0	0
354	U. Southern ME	65	0	0	0	0	46	0	0	19
355	U. WI-Platteville	59	0	0	0	44	15	0	0	0
356	Wilkes U.	59	0	0	0	0	0	59	0	0
357	AR State U. main campus	58	0	0	0	0	49	0	0	9
358	Gallaudet U.	57	0	0	0	0	0	0	0	57
359	Clark U.	53	0	15	38	0	0	0	0	0
360	U. AK Southeast	46	0	0	0	46	0	0	0	0
361	Elizabethtown C.	44 i	0 i	0 i	0 i	0 i	38 i	0 i	6 i	0 i
362	Trinity C. (Hartford, CT)	43	0	0	0	0	0	0	0	43
363	Central MI U.	42	36	0	0	0	0	0	0	6
364	CO State U. Pueblo	42	0	0	0	14	0	14	0	14
365	Tarleton State U.	42	0	0	0	0	0	0	0	42
366	Abilene Christian U.	40	0	0	40	0	0	0	0	0
367	Nicholls State U.	40	0	0	0	0	0	0	0	40
368	U. Houston-Clear Lake	38	38	0	0	0	0	0	0	0
369	Gonzaga U.	37	0	0	0	0	7	0	0	30
370	U. WI-Stout	36	0	0	0	0	36	0	0	0
371	U. CA Office of the President	29	0	0	0	0	0	0	0	29
372	U. NC Asheville	27	0	0	0	0	0	0	27	0

TABLE 28. Higher education R&D expenditures in engineering, ranked by all engineering R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All engineering R&D expenditures	Aeronautical/astronautical engineering	Bioengineering/biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/materials engineering	Engineering, nec
373	Farmingdale State C.	26	0	0	0	26	0	0	0	0
374	St. Michael's C.	26	0	0	26	0	0	0	0	0
375	U. TN Martin	25	0	21	0	0	0	0	0	4
376	U. SC Aiken	24 i	1 i	0 i	1 i	5 i	2 i	3 i	0 i	12 i
377	Eastern WA U.	23	0	0	0	23	0	0	0	0
378	OH Northern U.	23	0	0	0	0	0	23	0	0
379	Purdue U. North Central	23	0	0	0	0	0	0	0	23
380	Loyola C.	21	0	0	0	0	0	0	0	21
381	U. San Francisco	21	0	0	0	0	21	0	0	0
382	Arcadia U.	18	0	0	18	0	0	0	0	0
383	Frostburg State U.	18	0	0	0	0	0	18	0	0
384	Trinity U.	18	0	0	4	0	0	14	0	0
385	Armstrong Atlantic State U.	17	17	0	0	0	0	0	0	0
386	Pepperdine U.	15	0	0	15	0	0	0	0	0
387	U. SC Upstate	15 i	0 i	0 i	2 i	2 i	3 i	4 i	0 i	4 i
388	AR Tech U.	14 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	14 i
389	U. Houston-Downtown	14	0	0	0	0	0	14	0	0
390	U. MI-Flint	14	0	0	0	0	0	0	0	14
391	U. DC	14	0	0	0	0	14	0	0	0
392	Dillard U.	13	13	0	0	0	0	0	0	0
393	SUNY C. of A&T Morrisville	11	11	0	0	0	0	0	0	0
394	Western KY U.	11	0	0	0	0	0	11	0	0
395	Morehead State U.	9	0	0	0	0	0	0	0	9
396	CUNY New York City C. of Technology	8	0	0	0	0	0	0	0	8
397	TX A&M U.-Commerce	6	0	0	0	0	0	0	0	6
398	U. MO-St. Louis	6	0	0	0	0	0	0	0	6
399	Northern MI U.	5	0	0	0	0	0	0	0	5
400	C. NJ, The	4	0	0	0	0	0	4	0	0
401	U. NC Wilmington	4	0	0	0	0	4	0	0	0
402	Wilberforce U.	4	0	4	0	0	0	0	0	0
403	Xavier U. LA	4	0	0	0	0	0	0	0	4
404	Midwestern State U.	3	0	0	0	0	0	3	0	0
405	St. Olaf C.	3	0	0	0	0	0	0	0	3

TABLE 28. Higher education R&D expenditures in engineering, ranked by all engineering R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All engineering R&D expenditures	Aeronautical/astronautical engineering	Bioengineering/biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/materials engineering	Engineering, nec
406	U. PR Cayey	3	3	0	0	0	0	0	0	0
407	Rutgers, the State U. NJ-Newark	2	0	0	0	0	0	0	0	2
408	Central CT State U.	1	0	0	0	1	0	0	0	0
409	East TN State U.	1	0	0	0	0	1	0	0	0

i = imputed.

nec = not elsewhere classified.

<sup>a</sup> The Johns Hopkins University includes Applied Physics Laboratory, with \$722,482 in total R&D expenditures in engineering in FY 2010.

NOTES: Institutions reporting zero expenditures in ranked total for FY 2010 are not listed in this table. Tied institutions are ranked alphabetically. Institutions ranked are geographically separate campuses headed by a campus-level president or chancellor. Some campuses are part of large multicampus universities; some are part of state university systems. For complete listing of campuses that belong to a larger university or system and their aggregate R&D expenditures, see table C-2.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE 29. Federally financed higher education R&D expenditures in engineering, ranked by all federal engineering R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All federal engineering R&D expenditures	Aeronautical/astronautical engineering	Bioengineering/biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/materials engineering	Engineering, nec
	All institutions	5,732,357	466,388	483,017	419,056	459,144	1,372,652	953,696	437,146	1,141,258
1	Johns Hopkins U., The <sup>a</sup>	749,872	86,629 i	20,280 i	16,192 i	10,423 i	216,625 i	153,756 i	945 i	245,022 i
2	GA Institute of Technology	264,975	35,890	15,004	12,828	9,948	115,641	51,491	14,315	9,858
3	PA State U. University Park and Hershey Medical Ctr.	188,002	10,462	3,320	6,362	3,102	76,228	49,361	39,167	0
4	MA Institute of Technology	174,300	16,450	27,783	12,409	7,435	31,775	20,338	16,872	41,238
5	U. MI-Ann Arbor	136,941	7,721	13,474	6,894	8,357	35,922	21,805	8,212	34,556
6	U. TX Austin	101,065	10,025	5,856	5,083	4,156	32,723	6,659	14,979	21,584
7	Stanford U.	99,039	9,752	16,287	9,192	6,842	27,862	22,354	2,573	4,177
8	U. IL Urbana-Champaign	93,294	6,527	1,659	6,174	11,848	28,302	18,748	11,862	8,174
9	Purdue U. main campus	93,061	7,093	2,412	8,224	14,252	23,882	17,026	3,110	17,062
10	TX A&M U.	90,228	11,294	6,528	5,044	14,092	8,577	11,458	292	32,943
11	VA Polytechnic Institute and State U.	78,890	5,489	3,847	2,422	12,992	14,788	17,111	11,208	11,033
12	U. WA Seattle	76,826	6,989	14,178	5,135	10,077	22,874	6,785	6,842	3,946
13	U. Dayton	70,612	5,507	518	7,040	981	8,326	5,211	40,757	2,272
14	U. Rochester	68,922	0	2,266	728	0	3,821	56,587	0	5,520
15	U. MD College Park	67,334	15,505	1,066	1,100	4,995	13,715	13,573	7,270	10,110
16	Cornell U.	67,292	0	4,013	2,449	4,346	11,188	8,582	6,033	30,681
17	NM State U.	64,406	9,695	0	2,766	234	8,672	581	1,132	41,326
18	U. CO Boulder	62,693	35,213	774	7,642	5,620	6,267	6,632	545	0
19	U. WI-Madison	62,395	0	2,500	8,053	6,977	7,475	3,375	4,532	29,483
20	Carnegie Mellon U.	61,912	1,126	6,925	7,500	4,598	16,998	3,769	4,446	16,550
21	OH State U.	61,465	189	1,100	6,365	3,728	12,441	21,994	10,077	5,571
22	UT State U.	59,101	51,448	688	0	3,020	1,198	1,305	0	1,442
23	U. CA, Santa Barbara	53,309	0	12,890	6,806	1	16,959	4,980	11,673	0
24	U. CA, Berkeley	53,029	0	0	1,334	4,867	35,623	26	62	11,117
25	U. CA, San Diego	52,358	0	15,853	0	0	25,122	6,212	0	5,171
26	AZ State U.	51,785	0	11,912	1,412	4,392	23,828	4,158	4,587	1,496
27	Northwestern U.	50,135	0	6,306	3,862	2,977	3,979	6,014	14,063	12,934
28	U. MN Twin Cities	47,320	5,882	6,746	4,275	7,918	6,955	11,913	0	3,631
29	NC State U.	46,866	3,532	2,441	7,699	3,311	10,053	2,499	7,671	9,660
30	U. DE	42,609	0	2,582	10,693	8,122	8,019	4,896	7,770	527
31	MS State U.	42,033	2,231	617	4,258	3,791	15,855	6,443	2,462	6,376
32	Princeton U.	41,736	9,655	0	5,278	5,474	5,396	0	15,933	0
33	U. CA, Santa Cruz	41,550	0	0	0	0	4,081	0	0	37,469
34	CA Institute of Technology	41,084	5,543	2,065	2,211	1,255	5,844	4,885	5,798	13,483
35	Woods Hole Oceanographic Institution	40,875	0	0	0	0	0	0	0	40,875



TABLE 29. Federally financed higher education R&D expenditures in engineering, ranked by all federal engineering R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All federal engineering R&D expenditures	Aeronautical/astronautical engineering	Bioengineering/biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/materials engineering	Engineering, nec
36	U. FL	40,525	4,402	5,328	1,854	5,718	9,146	2,697	5,942	5,438
37	U.S. Air Force Academy	39,855	3,196	0	0	146	1,442	30,971	0	4,100
38	Clemson U.	38,264	0	7,194	3,328	3,581	2,156	11,068	8,682	2,255
39	Columbia U. in the City of New York	37,189	2,718	9,173	5,557	1,127	11,805	4,105	183	2,521
40	U. VA main campus	36,967	0	7,115	2,130	732	6,153	9,953	7,885	2,999
41	U. CA, Los Angeles	36,462	0	1,486	3,424	1,639	14,302	9,934	3,280	2,397
42	U. Southern CA	36,028	2,089	9,353	2,513	1,609	13,574	1,377	1,216	4,297
43	Vanderbilt U.	35,798	0	4,365	3,535	7,221	17,696	2,639	0	342
44	SUNY Buffalo	34,201	511	1,985	7,120	3,666	2,193	6,628	173	11,925
45	U. TN Knoxville	32,990	4,344	1,234	1,709	6,808	4,522	0	6,488	7,885
46	Duke U.	32,595	0	12,846	0	1,835	8,619	3,261	1,367	4,667
47	U. CA, Davis	32,074	0	10,627	8,075	3,113	3,275	1,566	0	5,418
48	Rensselaer Polytechnic Institute	32,059	0	647	3,680	5,149	8,009	10,351	3,536	687
49	Rutgers, the State U. NJ-New Brunswick	31,866	338	3,618	5,926	10,127	2,190	5,089	3,137	1,441
50	IA State U.	30,777	3,332	0	4,351	7,232	2,203	1,662	2,948	9,049
51	U. AL Huntsville, The	30,318	16,962	383	132	1,128	3,298	3,575	446	4,394
52	NJ Institute of Technology	30,315	0	2,195	7,209	1,747	1,187	335	0	17,642
53	U. PA	29,705	0	8,110	3,013	0	7,072	4,992	5,849	669
54	Harvard U.	29,209	0	2,407	2,316	0	3,796	3,169	1,981	15,540
55	Case Western Reserve U.	29,089	0	9,083	3,454	271	7,368	3,521	2,244	3,148
56	Boston U.	28,623	1,464	14,750	0	0	7,500	2,818	1,812	279
57	Drexel U.	28,567	0	3,886	3,250	1,459	4,781	5,452	3,736	6,003
58	U. UT	28,524	0	6,641	6,952	5,309	4,823	1,437	3,044	318
59	U. SC Columbia	28,391	0	0	7,177	2,887	9,779	8,548	0	0
60	U. ND	28,344	0	0	1,509	429	659	470	0	25,277
61	FL State U.	27,928	25	384	256	661	11,402	12,099	2,725	376
62	OK State U. main campus	27,307	0	0	11,534	1,618	742	1,372	0	12,041
63	Rice U.	26,772	0	10,079	2,030	2,100	7,963	3,040	1,560	0
64	Auburn U. main campus	24,822	1,182	0	3,575	1,380	3,247	2,193	955	12,290
65	U. NM	24,685	147	2,354	1,401	1,962	10,954	1,429	3,184	3,254
66	MO U. of Science and Technology	24,170	0	0	0	1,000	4,229	2,330	5,145	11,466
67	SD School of Mines and Technology	23,582	0	0	929	644	378	1,290	3,973	16,368
68	U. Pittsburgh main campus	23,298	0	7,633	4,788	2,533	1,848	4,313	168	2,015
69	Northeastern U.	23,155	0	0	953	3,469	11,585	6,663	0	485
70	U. AZ	22,628	1,140	2,068	816	1,208	9,202	5,429	1,283	1,482
71	U. KY	21,957	0	1,035	2,188	6,216	2,890	371	1,256	8,001
72	U. of Notre Dame	21,727	5,338	0	3,708	2,544	8,308	0	1,829	0
73	MI State U.	21,125	0	0	5,936	2,537	4,768	6,670	0	1,214

TABLE 29. Federally financed higher education R&D expenditures in engineering, ranked by all federal engineering R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All federal engineering R&D expenditures	Aeronautical/astronautical engineering	Bioengineering/biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/materials engineering	Engineering, nec
74	CO State U.	20,981	0	0	2,220	6,543	9,770	2,220	0	228
75	WV U.	19,965	0	0	3,323	3,769	3,560	7,165	290	1,858
76	U. NE-Lincoln	19,607	0	366	3,302	4,981	4,443	2,791	0	3,724
77	U. MA Amherst	19,576	0	0	8,860	1,375	7,488	1,696	0	157
78	CO School of Mines	19,575	25	77	2,916	3,228	0	1,540	6,159	5,630
79	CUNY The City C.	19,507	158	3,097	5,820	5,839	3,316	1,277	0	0
80	Yale U.	19,304	0	1,969	3,142	0	4,780	2,868	0	6,545
81	OR State U.	18,822	0	3,895	633	3,787	2,346	1,022	658	6,481
82	U. Central FL	18,811	816	8,449	0	1,990	4,841	1,171	1,526	18
83	U. CA, Irvine	18,064	0	3,206	1,567	3,197	5,890	4,204	0	0
84	U. Cincinnati	17,606	1,293	3,478	2,649	3,740	3,952	2,131	0	363
85	MI Technological U.	17,298	0	962	591	2,154	5,467	6,786	972	366
86	Mercer U.	16,760	6,892	0	0	0	991	6,482	2,395	0
87	U. TX Arlington	16,472	0	2,045	0	461	1,675	623	555	11,113
88	U. MO-Columbia	16,371	0	83	101	2,727	8,341	1,854	0	3,265
89	U. IA	16,271	0	336	860	6,234	1,811	410	0	6,620
90	Stevens Institute of Technology	15,933	0	670	0	44	3,476	2,984	3,954	4,805
91	NM Institute of Mining and Technology	15,311	0	0	4,573	131	146	539	439	9,483
92	Naval Postgraduate School	15,280	4,881	0	0	0	4,617	2,913	172	2,697
93	U. Houston	14,886	180	377	3,339	1,699	2,800	2,685	1,922	1,884
94	WA State U.	14,837	31	2,121	1,217	2,014	1,465	1,828	1,827	4,334
95	Washington U. St. Louis	14,307	0	10,807	862	313	1,014	991	211	109
96	U. Louisville	14,136	198	2,125	844	738	4,168	917	323	4,823
97	MT State U. Bozeman	13,649	0	2,413	866	5,863	1,740	580	0	2,187
98	U. CT	13,456	0	0	1,701	2,617	3,456	3,586	1,930	166
99	AL State U.	13,340	0	13,340	0	0	0	0	0	0
100	Old Dominion U.	12,977	0	0	0	703	6,912	5,362	0	0
101	U. AL Birmingham, The	12,676	4,297	3,407	0	467	0	2,820	1,685	0
102	U. CA, Riverside	12,588	0	754	2,933	1,344	3,747	953	2,857	0
103	KS State U.	12,112	304	0	3,483	1,762	727	2,137	0	3,699
104	TX Tech U.	11,670	0	0	1,690	330	5,060	1,710	0	2,880
105	Dartmouth C.	11,593	0	4,882	508	458	3,462	2,283	0	0
106	U. IL Chicago	11,504	0	4,176	657	1,233	3,348	2,090	0	0
107	ND State U.	11,458	0	0	0	1,025	196	641	0	9,596
108	FL International U.	11,414	0	194	0	6,209	1,425	1,743	0	1,843
109	U. TX El Paso	11,336	1,810	165	0	506	1,444	774	398	6,239
110	Lehigh U.	11,327	0	0	2,045	2,018	2,972	1,824	2,192	276

TABLE 29. Federally financed higher education R&D expenditures in engineering, ranked by all federal engineering R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All federal engineering R&D expenditures	Aeronautical/astronautical engineering	Bioengineering/biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/materials engineering	Engineering, nec
111	U. ME	11,324	0	0	493	1,067	1,809	1,046	6,817	92
112	U. South FL	11,280	0	0	374	5,132	1,731	3,039	0	1,004
113	Tufts U.	11,056	0	6,042	1,118	1,871	803	1,222	0	0
114	U. KS	10,880	546	1,293	893	2,597	5,396	155	0	0
115	U. ID	10,760	757	0	1,515	1,691	3,968	562	504	1,763
116	IL Institute of Technology	10,616	703	1,228	1,625	390	5,467	1,203	0	0
117	Rochester Institute of Technology	10,545	0	0	322	20	1,430	1,703	0	7,070
118	NC Agricultural and Technical State U.	10,384	0	0	567	569	1,104	6,466	0	1,678
119	Wayne State U.	10,377	0	1,813	839	1,013	3,519	3,070	0	123
120	Brown U.	10,297	0	1,625	536	0	2,244	1,449	1,370	3,073
121	Wichita State U.	10,286	9,213	0	0	0	362	55	0	656
122	George Mason U.	10,285	0	26	0	100	3,178	0	0	6,981
123	U. AL, The	10,092	717	0	2,625	1,316	675	2,839	1,912	8
124	SUNY Stony Brook	9,994	0	4,094	0	0	3,069	429	2,171	231
125	LA State U. and A&M C.	9,867	0	0	2,115	1,888	844	2,220	605	2,195
126	U. AR main campus	9,358	0	601	975	1,337	2,919	806	0	2,720
127	U. OK	8,918	0	0	2,807	2,109	2,138	983	0	881
128	SD State U.	8,394	0	0	0	295	3,915	2,792	0	1,392
129	Syracuse U.	8,341	0	944	111	977	1,347	4,962	0	0
130	U. NH	8,140	0	0	228	4,205	1,534	1,554	565	54
131	OH U.	8,090	4,816	0	1,540	923	380	74	152	205
132	Emory U.	7,921	0	7,921	0	0	0	0	0	0
133	U. NV, Reno	7,821	295	0	683	2,423	501	2,213	1,493	213
134	U. NV, Las Vegas	7,659	0	0	0	1,504	2,537	3,618	0	0
135	U. MA Lowell	7,547	0	0	58	485	1,907	1,275	883	2,939
136	SUNY Albany	7,525	0	0	0	0	0	0	7,525	0
137	SUNY Binghamton	7,480	0	162	0	0	2,999	4,319	0	0
138	Worcester Polytechnic Institute	7,480	0	1,439	1,605	377	1,833	1,573	0	653
139	Brigham Young U.	7,270	0	0	1,294	494	3,151	2,097	0	234
140	U. TX Dallas	7,045	0	0	0	0	7,045	0	0	0
141	U. MD Baltimore County	6,970	0	0	1,283	60	4,632	995	0	0
142	Embry-Riddle Aeronautical U.	6,894	5,102	0	0	0	0	146	0	1,646
143	George Washington U.	6,818	1,381	766	0	2,852	539	330	296	654
144	Marshall U.	6,802	0	0	0	0	0	0	5,895	907
145	U. VT	6,733	1,782	0	0	3,318	0	275	0	1,358
146	U.S. Naval Academy	6,711	1,550	0	0	0	1,119	2,527	0	1,515
147	Clarkson U.	6,669	0	0	1,261	2,559	1,057	1,792	0	0
148	U. Akron	6,520	0	79	1,985	1,402	218	693	0	2,143

TABLE 29. Federally financed higher education R&D expenditures in engineering, ranked by all federal engineering R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All federal engineering R&D expenditures	Aeronautical/astronautical engineering	Bioengineering/biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/materials engineering	Engineering, nec
149	Portland State U.	6,372	0	0	0	4,071	1,331	519	384	67
150	Wright State U.	6,327	0	1,500	0	0	1,435	2,403	105	884
151	IN U.-Purdue U. Indianapolis	6,255	0	3,014	0	0	776	1,575	0	890
152	U. Toledo	5,960	0	470	453	288	327	4,422	0	0
153	U.S. Military Academy	5,910 i	0 i	0 i	0 i	0 i	2,041 i	1,217 i	0 i	2,652 i
154	Boise State U.	5,848	3	70	245	161	3,338	172	1,210	649
155	U. AK Fairbanks	5,832	173	0	135	3,424	1,460	522	98	20
156	Morgan State U.	5,754	0	0	0	936	110	0	0	4,708
157	FL Atlantic U.	5,626	0	0	0	14	228	259	0	5,125
158	LA Tech U.	5,546	0	1,593	163	425	345	583	370	2,067
159	TN Technological U.	5,425	0	0	707	649	1,217	2,200	0	652
160	Jackson State U.	5,241	0	0	0	538	2,611	0	0	2,092
161	U. North TX	5,226	0	0	0	0	75	0	4,591	560
162	U. WY	5,141	0	0	1,203	1,133	1,347	1,458	0	0
163	U. MS and U. MS Medical Ctr.	4,946	0	0	61	779	367	1,113	0	2,626
164	U. PR Mayaguez	4,886	0	0	1,294	675	1,402	547	673	295
165	Northern IL U.	4,881	0	0	0	0	78	283	0	4,520
166	Villanova U.	4,854 i	0 i	0 i	54 i	367 i	2,617 i	1,816 i	0 i	0 i
167	U. RI	4,852	0	0	989	468	845	2,316	22	212
168	U. TX San Antonio	4,799	575	1,593	0	209	576	1,818	0	28
169	CA State U., Long Beach	4,718	0	0	0	636	29	271	0	3,782
170	Kettering U.	4,439	0	0	0	0	103	4,336	0	0
171	Howard U.	4,366	0	0	2	1,217	1,091	384	0	1,672
172	U. GA	4,322	0	925	0	0	0	0	0	3,397
173	U. Memphis, The	4,154	0	1,037	0	1,606	1,172	111	0	228
174	U. WI-Milwaukee	4,145	0	0	0	1,155	925	836	760	469
175	U. TN Chattanooga	4,116	0	0	0	0	0	0	0	4,116
176	Cleveland State U.	4,091	0	1,781	568	575	385	782	0	0
177	U. CA, Merced	4,064	0	543	0	2,168	609	325	419	0
178	U. WI-Superior	3,961	0	0	0	3,961	0	0	0	0
179	Air Force Institute of Technology	3,959	993	0	0	0	2,070	0	256	640
180	Polytechnic U.	3,833	0	0	96	0	1,368	851	0	1,518
181	U. Miami	3,771	0	693	0	1,371	867	593	0	247
182	VA Commonwealth U.	3,535	0	540	700	0	1,064	797	0	434
183	U. HI Manoa	3,489	0	0	0	457	528	1,158	0	1,346
184	U. CO Colorado Springs	3,319	1,857	0	0	0	392	15	0	1,055
185	MT Tech of the U. MT	3,205	0	0	47	0	325	0	2,368	465

TABLE 29. Federally financed higher education R&D expenditures in engineering, ranked by all federal engineering R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All federal engineering R&D expenditures	Aeronautical/astronautical engineering	Bioengineering/biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/materials engineering	Engineering, nec
186	CA Polytechnic State U., San Luis Obispo	3,096	1,628	0	0	222	10	376	27	833
187	Lamar U.	3,093	0	0	2,562	481	10	24	0	16
188	U. NC Charlotte	2,938	0	0	0	618	157	1,821	0	342
189	Lawrence Technological U.	2,748	0	0	0	2,206	1	541	0	0
190	Marquette U.	2,587	0	1,352	0	273	313	337	0	312
191	U. MI-Dearborn	2,567	0	0	0	0	854	1,689	0	24
192	Prairie View A&M U.	2,542	0	0	407	27	1,627	350	0	131
193	Tulane U.	2,475	0	368	2,087	20	0	0	0	0
194	Western MI U.	2,446	0	0	21	386	7	1,413	0	619
195	San Jose State U.	2,432	499	0	619	245	516	16	0	537
196	U. North FL	2,312	0	0	0	2	154	2,145	0	11
197	SC State U.	2,215	0	0	0	0	0	0	0	2,215
198	Catholic U. America, The	2,148	0	527	0	311	592	718	0	0
199	U. MA Dartmouth	2,132	0	56	0	378	964	336	398	0
200	Temple U.	2,124	0	18	0	465	308	1,333	0	0
201	FL A&M U.	2,093	0	0	76	177	304	602	0	934
202	Norfolk State U.	2,032	0	0	0	0	527	0	0	1,505
203	AL A&M U.	2,018	0	0	0	655	1,133	23	0	207
204	SUNY C. of Environmental Science and Forestry	1,999	0	0	859	289	0	0	0	851
205	Santa Clara U.	1,969	867	57	0	37	21	0	46	941
206	Southern Methodist U.	1,947	0	0	0	74	1,183	440	0	250
207	Eastern MI U.	1,850	0	316	0	0	0	1,534	0	0
208	CA State U., Los Angeles	1,838	840	0	0	749	249	0	0	0
209	CA State U., Sacramento	1,802	0	0	0	1,786	11	5	0	0
210	U. TX Pan American	1,797	0	0	0	0	0	548	810	439
211	U. LA Lafayette	1,668	0	0	117	269	856	112	289	25
212	TX A&M U.-Kingsville	1,651	0	0	0	1,204	0	38	0	409
213	U. New Orleans	1,596	0	0	0	40	643	150	0	763
214	Eastern KY U.	1,548	0	0	1,548	0	0	0	0	0
215	U. Denver	1,515	120	265	0	0	298	515	317	0
216	Southern IL U. Carbondale	1,461	0	0	0	490	642	99	229	1
217	TN State U.	1,418	0	0	0	191	681	397	0	149
218	Bucknell U.	1,410	0	212	256	141	76	725	0	0
219	San Diego State U.	1,410	101	11	0	149	492	633	0	24
220	Central State U.	1,399	0	0	0	763	0	0	127	509
221	MO State U.	1,389	0	59	0	0	342	0	0	988
222	SUNY C. of A&T Cobleskill	1,382	0	0	0	0	0	0	0	1,382

TABLE 29. Federally financed higher education R&D expenditures in engineering, ranked by all federal engineering R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All federal engineering R&D expenditures	Aeronautical/astronautical engineering	Bioengineering/biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/materials engineering	Engineering, nec
223	U. AR Little Rock	1,355	1,050	50	0	8	61	0	125	61
224	U. CO Denver and Health Sciences Ctr.	1,294	0	0	0	1,073	14	205	0	2
225	Georgetown U.	1,264	0	0	0	0	0	0	0	1,264
226	FL Institute of Technology	1,232	0	0	36	90	377	729	0	0
227	VA State U.	1,211	35	236	63	21	0	62	0	794
228	CA State U., Fresno	1,194	156	786	0	0	116	3	0	133
229	Tuskegee U.	1,185	391	0	131	0	142	521	0	0
230	U. Tulsa	1,165	0	0	954	0	36	175	0	0
231	Oakland U.	1,159	0	0	0	0	172	987	0	0
232	MN State U. Mankato	1,109	0	0	0	16	0	39	0	1,054
233	Rowan U.	1,106	0	0	200	605	245	39	0	17
234	Murray State U.	1,065	0	0	0	0	0	0	0	1,065
235	Hampton U.	1,060	235	0	60	0	400	0	0	365
236	Alfred U.	1,052	0	0	0	0	0	0	1,052	0
237	ID State U.	983	0	0	0	111	199	127	0	546
238	CA State U., Chico	911	0	0	0	41	425	445	0	0
239	U. TX Medical Branch	887	0	887	0	0	0	0	0	0
240	U. AK Anchorage	809	135	0	0	519	71	0	0	84
241	Pittsburg State U.	784	29	0	718	0	0	0	37	0
242	West TX A&M U.	784	0	0	0	0	0	0	0	784
243	U. TX Tyler	783	0	0	0	27	756	0	0	0
244	U. MN Duluth	766	0	0	0	618	62	86	0	0
245	Miami U.	761	0	0	0	0	725	36	0	0
246	St. Louis U.	754	296	407	0	0	51	0	0	0
247	U. MD Baltimore	718	0	718	0	0	0	0	0	0
248	CA State U., Northridge	678	0	0	0	0	165	237	0	276
249	CA State U., Monterey Bay	663	0	0	0	0	0	0	0	663
250	MS Valley State U.	600	9	0	0	0	0	0	0	591
251	U.S. Coast Guard Academy	599	0	0	0	60	524	15	0	0
252	Southern IL U. Edwardsville	576	0	0	0	35	82	206	0	253
253	Southern U. Baton Rouge	561	0	0	0	0	214	330	17	0
254	U. Hartford	560	352	0	0	51	0	0	0	157
255	U. Central OK	559	0	559	0	0	0	0	0	0
256	West Liberty State C.	550	0	550	0	0	0	0	0	0
257	U. NE Omaha	538	538	0	0	0	0	0	0	0
258	U. SD	532	0	532	0	0	0	0	0	0
259	Purdue U. Calumet	480	0	0	0	0	132	15	0	333
260	TX A&M International U.	474	0	0	0	0	321	153	0	0

TABLE 29. Federally financed higher education R&D expenditures in engineering, ranked by all federal engineering R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All federal engineering R&D expenditures	Aeronautical/astronautical engineering	Bioengineering/biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/materials engineering	Engineering, nec
261	Milwaukee School of Engineering	472	9	30	0	219	8	206	0	0
262	Northern AZ U.	452	0	97	0	15	61	279	0	0
263	Benedict C.	450	0	0	0	0	450	0	0	0
264	U. WA Bothell	435	0	0	0	0	37	0	0	398
265	U. South AL	407	0	0	0	181	83	141	0	2
266	Rutgers, the State U. NJ-Camden	391	0	0	0	0	0	0	0	391
267	San Francisco State U.	390	0	0	0	201	45	144	0	0
268	James Madison U.	387	0	2	2	248	135	0	0	0
269	Bradley U.	386	0	0	0	1	0	22	0	363
270	Baylor U.	377	0	0	0	0	287	90	0	0
271	CA State Polytechnic U., Pomona	350	0	0	0	0	0	350	0	0
272	VA Military Institute	337	0	0	0	0	0	337	0	0
273	FL Gulf Coast U.	333	0	333	0	0	0	0	0	0
274	Loyola Marymount U.	316	0	0	0	6	0	310	0	0
275	U. of the Pacific	305	0	0	0	71	0	10	0	224
276	Kent State U.	304	0	54	0	0	11	0	146	93
277	East Carolina U.	302	0	0	0	92	0	210	0	0
278	TX State U.-San Marcos	300	0	0	9	0	57	0	218	16
279	PA State U. Harrisburg	288	40	40	40	40	40	44	44	0
280	Lincoln U. of the Commonwealth of PA	287	20	267	0	0	0	0	0	0
281	U. MD Eastern Shore	285	0	0	0	0	285	0	0	0
282	GA Southern U.	284	0	0	0	0	0	0	0	284
283	CA State U., Fullerton	281	114	0	9	136	22	0	0	0
284	Lafayette C.	273	0	62	84	114	13	0	0	0
285	LeTourneau U.	273	0	227	0	0	22	0	24	0
286	Smith C.	270	7	100	88	0	35	26	0	14
287	U. WI-La Crosse	250	85	0	0	0	0	0	0	165
288	U. SC Beaufort	235 i	23 i	0 i	0 i	1 i	15 i	163 i	0 i	33 i
289	Harvey Mudd C.	216	0	0	0	0	0	0	0	216
290	TX A&M U.-Corpus Christi	215	0	0	0	0	0	0	0	215
291	TX A&M U. System Health Science Ctr.	215	0	206	0	0	0	0	0	9
292	U. MO-Kansas City	211	0	0	0	131	0	0	0	80
293	Cooper Union, The	194	0	94	0	0	26	74	0	0
294	Western WA U.	191	0	0	0	0	0	191	0	0
295	Hope C.	186	0	0	0	0	0	24	85	77
296	WV State U.	185	0	185	0	0	0	0	0	0
297	NY Institute of Technology	183	0	0	0	183	0	0	0	0

TABLE 29. Federally financed higher education R&D expenditures in engineering, ranked by all federal engineering R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All federal engineering R&D expenditures	Aeronautical/astronautical engineering	Bioengineering/biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/materials engineering	Engineering, nec
298	PA State U. Altoona	175	0	0	0	0	83	92	0	0
299	TX Southern U.	170	0	0	0	0	0	0	0	170
300	Manhattan C.	166	0	0	0	166	0	0	0	0
301	Southern Polytechnic State U.	156	0	0	0	44	0	0	0	112
302	PA State U. Erie, The Behrend C.	150	21	21	22	21	21	22	22	0
303	Middle TN State U.	147	127	0	0	0	0	0	0	20
304	CUNY C. Staten Island	144	0	9	33	21	0	81	0	0
305	Bowling Green State U.	143	27	0	0	0	116	0	0	0
306	U. Detroit Mercy	142	0	0	0	35	80	25	0	2
307	IN State U.	140	0	0	0	0	140	0	0	0
308	Salish Kootenai C.	134	0	0	0	0	0	0	0	134
309	Alcorn State U.	130	0	0	0	0	0	0	0	130
310	CA State U., San Marcos	130	0	130	0	0	0	0	0	0
311	U. OR	127	0	0	0	127	0	0	0	0
312	Roger Williams U.	123	0	0	0	0	0	0	0	123
313	U. MA Boston	123	0	0	0	0	123	0	0	0
314	Union C. (Schenectady, NY)	120	0	0	0	0	36	84	0	0
315	Savannah State U.	118	0	0	0	0	0	0	0	118
316	Morehouse C.	117	0	0	0	0	0	0	0	117
317	Weber State U.	117	89	0	0	0	6	22	0	0
318	KY State U.	112	0	0	0	0	0	0	0	112
319	U. San Diego	108	0	0	0	0	0	0	0	108
320	U. Southern MS	106	0	0	0	106	0	0	0	0
321	Central WA U.	95	0	0	0	0	0	0	0	95
322	Valparaiso U.	93	0	0	0	25	68	0	0	0
323	Ball State U.	92	0	0	0	92	0	0	0	0
324	SUNY Institute of Technology at Utica-Rome	92	0	0	0	0	0	92	0	0
325	Hendrix C.	91	91	0	0	0	0	0	0	0
326	Clark Atlanta U.	89	0	45	0	0	0	28	0	16
327	Hofstra U.	89	0	0	0	0	0	0	0	89
328	Bates C.	80	0	80	0	0	0	0	0	0
329	U. TX Brownsville	80	0	0	0	0	0	0	0	80
330	Saginaw Valley State U.	75	0	0	0	0	0	75	0	0
331	St. Cloud State U.	70	0	0	0	0	70	0	0	0
332	IN U.-Purdue U. Ft. Wayne	64	0	0	0	0	0	0	0	64
333	Gallaudet U.	53	0	0	0	0	0	0	0	53
334	U. PR Rio Piedras	51	0	0	0	51	0	0	0	0
335	U. Southern ME	50	0	0	0	0	46	0	0	4



TABLE 29. Federally financed higher education R&D expenditures in engineering, ranked by all federal engineering R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All federal engineering R&D expenditures	Aeronautical/astronautical engineering	Bioengineering/biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/materials engineering	Engineering, nec
336	Grand Valley State U.	48	0	0	0	48	0	0	0	0
337	Swarthmore C.	48	0	0	0	0	25	23	0	0
338	U. WA Tacoma	47	0	0	0	0	47	0	0	0
339	Seattle U.	45 i	0 i	0 i	0 i	35 i	0 i	10 i	0 i	0 i
340	AR State U. main campus	43	0	0	0	0	41	0	0	2
341	U. WI-Platteville	43	0	0	0	43	0	0	0	0
342	CO State U. Pueblo	42	0	0	0	14	0	14	0	14
343	Elizabethtown C.	38	0	0	0	0	38	0	0	0
344	U. WI-Stout	36	0	0	0	0	36	0	0	0
345	U. AK Southeast	33	0	0	0	33	0	0	0	0
346	McNeese State U.	32	0	0	0	0	0	0	0	32
347	Wilkes U.	31	0	0	0	0	0	31	0	0
348	Farmingdale State C.	26	0	0	0	26	0	0	0	0
349	St. Michael's C.	26	0	0	26	0	0	0	0	0
350	Central MI U.	23	23	0	0	0	0	0	0	0
351	U. San Francisco	21	0	0	0	0	21	0	0	0
352	St. Mary's U. (San Antonio, TX)	20	0	0	0	0	0	0	0	20
353	U. Portland	20	0	0	0	0	0	20	0	0
354	Armstrong Atlantic State U.	17	17	0	0	0	0	0	0	0
355	Loyola C.	15	0	0	0	0	0	0	0	15
356	Rose-Hulman Institute of Technology	14	0	14	0	0	0	0	0	0
357	Dillard U.	13	13	0	0	0	0	0	0	0
358	SUNY C. of A&T Morrisville	11	11	0	0	0	0	0	0	0
359	AR Tech U.	10 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	10 i
360	U. Houston-Downtown	10	0	0	0	0	0	10	0	0
361	U. SC Aiken	10 i	1 i	0 i	0 i	3 i	0 i	0 i	0 i	6 i
362	Western Carolina U.	9	0	0	0	0	0	0	9	0
363	OH Northern U.	8	0	0	0	0	0	8	0	0
364	Gonzaga U.	7	0	0	0	0	7	0	0	0
365	U. DC	7	0	0	0	0	7	0	0	0
366	Fairfield U.	5	0	0	0	0	0	0	0	5
367	Albany State U.	3	3	0	0	0	0	0	0	0

TABLE 29. Federally financed higher education R&D expenditures in engineering, ranked by all federal engineering R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All federal engineering R&D expenditures	Aeronautical/astronautical engineering	Bioengineering/biomedical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgical/materials engineering	Engineering, nec
368	U. MI-Flint	3	0	0	0	0	0	0	0	3
369	U. PR Cayey	3	3	0	0	0	0	0	0	0
370	Xavier U. LA	2	0	0	0	0	0	0	0	2

i = imputed.

nec = not elsewhere classified.

<sup>a</sup> The Johns Hopkins University includes Applied Physics Laboratory, with \$699,304 in federally financed R&D expenditures in engineering in FY 2010.

NOTES: Institutions reporting zero expenditures in ranked total for FY 2010 are not listed in this table. Tied institutions are ranked alphabetically. Institutions ranked are geographically separate campuses headed by a campus-level president or chancellor. Some campuses are part of large multicampus universities; some are part of state university systems. For complete listing of campuses that belong to a larger university or system and their aggregate R&D expenditures, see table C-2.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE 30. Higher education R&amp;D expenditures in non-S&amp;E fields, ranked by all non-S&amp;E R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
	All institutions	2,896,793	360,285	157,254	986,720	258,668	96,213	175,314	64,231	798,108
1	Brown U.	134,722	3,124	902	18,165	15,552	0	0	2,824	94,155
2	U. MO-Columbia	105,380	145	250	3,284	121	6	0	12	101,562
3	U. WI-Madison	89,009	38,993	2,861	28,025	11,788	2,548	597	630	3,567
4	Purdue U. main campus	71,835	13,882	2,352	4,565	2,639	0	0	1,114	47,283
5	U. TX Austin	58,090	8,362	6,924	19,398	1,845	75	6,079	525	14,882
6	U. MI-Ann Arbor	55,759	10,010	392	15,908	2,550	3,434	6,013	652	16,800
7	U. South FL	54,501	6,399	3,847	28,603	839	0	2,601	1,329	10,883
8	Northwestern U.	49,504	5,736	31,529	6,692	1,006	1,795	0	522	2,224
9	U. FL	44,941	2,707	2,831	9,814	886	161	52	450	28,040
10	U. PA	42,799	18,901	5,863	9,756	2,736	1,705	2,877	961	0
11	U. CA, Los Angeles	37,318	6,051	183	23,309	4,997	1,416	0	1,362	0
12	Columbia U. in the City of New York	36,347	5,757	7,474	1,024	2,662	3,300	10,511	226	5,393
13	OH State U.	35,620	1,969	765	23,472	4,240	25	1,818	801	2,530
14	U. CA, Berkeley	34,477	3,222	1,417	17,295	3,579	8,697	0	267	0
15	U. AK Fairbanks	34,178	272	10	1,187	215	0	0	10	32,484
16	AZ State U.	32,887	2,089	1,093	3,969	4,529	1,080	2,632	136	17,359
17	MI State U.	32,015	3,501	4,373	15,662	1,903	0	774	113	5,689
18	Emory U.	31,144	2,916	3	304	974	533	0	0	26,414
19	MA Institute of Technology	30,916	13,328	0	4,883	1,625	0	0	229	10,851
20	Syracuse U.	30,216	2,636	2,030	12,481	743	7,413	1,322	1,835	1,756
21	Clemson U.	30,131	720	62	4,637	1,040	0	0	54	23,618
22	Stanford U.	29,539	419	513	26,629	604	621	0	0	753
23	U. WA Seattle	27,704	850	375	8,229	1,331	878	15,580	283	178
24	TX Tech U.	27,140	6,300	10,100	6,910	2,270	600	0	960	0
25	U. Louisville	26,643	887	173	10,095	648	402	2,564	110	11,764
26	Vanderbilt U.	26,614	218	6,072	18,979	716	420	0	18	191
27	FL A&M U.	23,192	7	0	987	2,098	14	61	0	20,025
28	TX A&M U.	23,108	4,982	8	15,205	657	558	0	0	1,698
29	American U.	22,938	3,137	4,038	2,186	2,367	10,507	0	703	0
30	NY U.	22,182	1,379	0	15,821	2,262	1,162	116	123	1,319
31	U. IL Urbana-Champaign	21,747	526	3,775	5,298	3,161	1,138	3,838	623	3,388
32	Harvard U.	21,658	8	96	16,367	752	4,128	0	307	0
33	VA Commonwealth U.	21,287	59	9	15,146	269	0	4,412	548	844
34	Rutgers, the State U. NJ-New Brunswick	21,262	583	1,403	11,134	3,102	47	1,530	95	3,368
35	U. MN Twin Cities	21,158	5,338	442	8,877	1,647	1,953	565	1,381	955

TABLE 30. Higher education R&amp;D expenditures in non-S&amp;E fields, ranked by all non-S&amp;E R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
36	IN U. Bloomington	20,524	3,108	4,995	7,397	445	383	0	1,201	2,995
37	Old Dominion U.	20,466	5,027	0	11,139	2,188	0	0	1,705	407
38	WA State U.	19,232	1,096	503	5,095	572	20	10,275	7	1,664
39	GA State U.	19,044	4,066	36	7,052	708	967	1,068	120	5,027
40	FL State U.	18,495	1,641	1,234	11,015	791	576	881	381	1,976
41	U. Southern CA	18,425	260	3,330	7,662	2,939	296	2,856	1,075	7
42	U. MD Baltimore	18,126	0	0	0	0	398	14,856	0	2,872
43	FL International U.	18,021	325	304	9,460	371	413	5,941	229	978
44	U. Cincinnati	17,751	1,626	204	2,955	3,767	1,066	235	5,337	2,561
45	U. MA Boston	17,029	2,100	0	14,607	303	0	0	19	0
46	U. OK	16,902	218	900	8,965	718	0	0	39	6,062
47	U. TN Knoxville	16,798	13,689	266	559	1,451	101	432	9	291
48	U. CA, Irvine	16,489	729	0	6,757	8,839	0	0	164	0
49	U. Pittsburgh main campus	16,477	470	2	5,365	190	184	10,266	0	0
50	Portland State U.	16,330	25	0	4,286	222	0	11,662	0	135
51	U. KS	15,969	293	91	10,925	976	27	3,398	198	61
52	Ball State U.	15,697	85	257	4,784	203	0	19	109	10,240
53	FL Atlantic U.	14,576	5,371	510	2,477	820	0	103	1,283	4,012
54	Fordham U.	14,077	2,288	1,159	3,673	1,930	2,550	1,485	484	508
55	Tulane U.	13,827	5,145	7	0	1,182	1,855	0	94	5,544
56	U. West FL	13,678	7,479	156	5,417	231	0	144	2	249
57	U. CO Boulder	13,466	1,260	28	8,038	637	1,028	211	3	2,261
58	U. Southern ME	13,233	0	0	0	0	0	0	0	13,233
59	U. Houston	13,165	277	0	2,497	336	519	0	0	9,536
60	IL State U.	12,795	1,146	7	11,208	26	0	244	0	164
61	U. WI-Milwaukee	12,764	2,852	656	4,501	1,247	0	1,107	50	2,351
62	CA State U., Northridge	12,722	574	5	8,924	300	0	2,166	388	365
63	U. CO Denver and Health Sciences Ctr.	12,544	745	19	5,599	51	0	334	341	5,455
64	U. LA Lafayette	12,079	1,398	426	7,434	2,274	0	0	534	13
65	Miami U.	11,960	0	112	1,482	311	0	0	4	10,051
66	Western MI U.	11,959	62	39	11,249	69	0	55	16	469
67	U. NH	11,761	1,572	0	8,512	707	0	884	0	86
68	SUNY Buffalo	11,694	536	359	6,919	478	173	786	222	2,221
69	NM State U.	11,508	18	24	222	58	0	0	15	11,171
70	CO State U.	11,275	4,733	468	1,083	143	0	0	23	4,825
71	NJ Institute of Technology	11,078	0	0	0	0	0	0	0	11,078
72	TX State U.-San Marcos	11,064	391	0	5,013	0	3,035	53	552	2,020
73	U. MD College Park	10,859	1,140	977	4,770	3,852	0	0	120	0

TABLE 30. Higher education R&amp;D expenditures in non-S&amp;E fields, ranked by all non-S&amp;E R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
74	MT State U. Bozeman	10,857	122	125	5,385	124	0	0	35	5,066
75	U. NE-Lincoln	10,724	943	841	2,674	5,211	705	0	223	127
76	Princeton U.	10,708	0	2	527	8,468	0	0	1,228	483
77	U. CA, Davis	10,633	197	17	5,148	799	53	0	4,277	142
78	CA State U., Fullerton	10,629	2,070	25	5,815	277	0	1,135	382	925
79	U. OR	10,562	0	60	10,378	84	40	0	0	0
80	U. SC Columbia	10,374	277	1,111	3,985	1,000	0	4,001	0	0
81	Purdue U. Calumet	10,327	492	4	2,760	234	0	0	0	6,837
82	FL Gulf Coast U.	10,065	839	2,145	6,938	0	0	9	0	134
83	Fayetteville State U.	9,677	1	0	9,638	0	0	0	0	38
84	U. NC Greensboro	9,618	53	74	8,524	410	0	28	73	456
85	U. AR main campus	9,573	2,036	46	2,515	1,110	833	492	3	2,538
86	LA State U. and A&M C.	9,440	509	294	3,597	1,102	830	682	49	2,377
87	U. Central FL	9,323	4,895	64	3,742	99	0	104	361	58
88	U. MS and U. MS Medical Ctr.	9,308	20	20	878	298	2,510	50	0	5,532
89	U. New Orleans	9,089	1,808	0	2,089	896	0	0	0	4,296
90	U. KY	9,087	922	1,229	2,778	260	80	1,279	555	1,984
91	U. TX Arlington	9,004	92	0	728	211	0	2,205	0	5,768
92	Temple U.	8,985	262	0	4,058	460	2,912	839	437	17
93	U. Memphis, The	8,928	1,936	92	4,138	816	0	29	687	1,230
94	U. IA	8,916	967	289	3,121	1,682	5	437	450	1,965
95	U. CA, Riverside	8,747	107	0	6,319	1,322	0	0	83	916
96	Eastern MI U.	8,745	294	297	4,345	105	0	1,729	0	1,975
97	U. AZ	8,689	185	546	7,207	633	43	0	75	0
98	MS State U.	8,643	417	283	3,407	1,556	0	0	254	2,726
99	U. NC Chapel Hill	8,456	1,902	2,471	657	214	0	2,627	1	584
100	PA State U. University Park and Hershey Medical Ctr.	8,408	2,336	1,182	1,344	2,310	460	0	776	0
101	Boston U.	8,130	120	76	3,610	1,156	89	2,100	37	942
102	WV U.	7,982	171	258	4,612	892	110	216	147	1,576
103	George Washington U.	7,804	2,004	1,616	1,497	2,561	7	1	118	0
104	U. CA, Santa Barbara	7,778	2,954	820	2,277	1,053	7	0	667	0
105	U.S. Air Force Academy	7,588	421	0	931	2,734	230	0	0	3,272
106	U. CT	7,521	1,274	1,013	1,747	581	70	2,780	56	0
107	Naval Postgraduate School	7,443	7,213	0	230	0	0	0	0	0
108	U. North TX	7,378	2,977	1,043	2,514	529	0	0	315	0
109	U. IL Chicago	7,358	831	159	2,130	703	0	3,414	110	11
110	Johns Hopkins U., The <sup>a</sup>	7,230	0	0	0	7,230	0	0	0	0

TABLE 30. Higher education R&amp;D expenditures in non-S&amp;E fields, ranked by all non-S&amp;E R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
111	Wheeling Jesuit U.	7,219	4,381	0	2,532	0	0	306	0	0
112	Fairfield U.	7,061	1,619	131	0	2,440	0	0	394	2,477
113	U. CA, Santa Cruz	6,955	0	49	4,422	1,578	0	0	906	0
114	U. TX Dallas	6,808	2,560	0	2,242	2,006	0	0	0	0
115	Jackson State U.	6,748	3	118	6,461	16	0	62	0	88
116	IA State U.	6,230	1,384	391	2,529	1,712	0	0	214	0
117	George Mason U.	6,154	120	105	1,724	3,808	163	153	81	0
118	U. DE	6,107	81	0	4,464	868	0	0	94	600
119	U. of Notre Dame	6,081	652	69	0	2,755	49	0	131	2,425
120	OH U.	6,012	30	834	631	404	0	21	372	3,720
121	C. of William and Mary and VA Institute of Marine Science	6,008	0	0	5,693	0	315	0	0	0
122	U. AL Birmingham, The	5,983	0	0	3,350	3	0	0	0	2,630
123	KS State U.	5,791	176	306	2,587	765	0	0	22	1,935
124	Wayne State U.	5,739	930	58	1,786	411	177	778	440	1,159
125	IN U.-Purdue U. Indianapolis	5,704	650	2,095	1,344	0	40	104	212	1,259
126	U. MO-Kansas City	5,702	189	228	498	289	0	419	27	4,052
127	Universidad del Turabo	5,566	0	0	5,566	0	0	0	0	0
128	SUNY Binghamton	5,545	347	5	582	2,969	0	130	531	981
129	U. RI	5,493	0	376	1,937	0	0	0	0	3,180
130	U. South AL	5,488	0	4	511	93	0	0	8	4,872
131	U. GA	5,397	361	132	4,013	431	38	352	40	30
132	U. AK Anchorage	5,381	97	0	428	267	371	0	0	4,218
133	U. Akron	5,326	63	6	142	31	22	88	22	4,952
134	San Jose State U.	5,294	3,841	33	172	53	0	643	36	516
135	LA Tech U.	5,268	3,778	56	530	303	0	0	601	0
136	U. MD Baltimore County	5,262	122	0	1,412	2,219	0	0	1,096	413
137	U. CA, San Diego	5,237	501	175	1,742	1,116	0	591	1,095	17
138	Brigham Young U.	5,231	471	160	860	3,091	12	0	558	79
139	Rochester Institute of Technology	5,126	10	0	4,284	0	0	0	0	832
140	U. ME	5,044	0	118	3,700	31	0	182	1,013	0
141	MO U. of Science and Technology	5,004	72	1	85	22	0	0	0	4,824
142	Northeastern U.	4,951	67	70	2,523	1,456	459	0	376	0
143	U. TX San Antonio	4,799	1,634	1	2,255	768	0	12	115	14
144	U. Chicago	4,778	912	0	0	183	0	2,904	0	779
145	CUNY Graduate Ctr.	4,763	0	15	3,754	679	0	0	315	0
146	U. TX El Paso	4,736	140	2,430	727	352	0	3	0	1,084
147	Dillard U.	4,718	289	577	0	9	0	0	0	3,843
148	GA Institute of Technology	4,607	0	242	0	1,919	0	0	0	2,446

TABLE 30. Higher education R&amp;D expenditures in non-S&amp;E fields, ranked by all non-S&amp;E R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
149	U. MO-St. Louis	4,578	16	0	1,144	173	0	780	0	2,465
150	U. VA main campus	4,465	0	223	2,799	1,443	0	0	0	0
151	Boston C.	4,357 i	8 i	0 i	4,175 i	11 i	0 i	0 i	0 i	163 i
152	U. MA Amherst	4,289	336	98	3,460	241	130	0	24	0
153	VA Polytechnic Institute and State U.	4,281	1,469	108	1,123	250	0	0	241	1,090
154	Central MI U.	4,254	319	184	1,027	179	0	51	165	2,329
155	U. MA Lowell	4,225	893	8	1,460	0	0	0	43	1,821
156	San Diego State U.	4,073	734	93	1,078	498	0	801	0	869
157	Western WA U.	3,941	846	234	656	49	0	0	695	1,461
158	U. NM	3,865	14	1,348	1,406	268	791	0	38	0
159	Southern CT State U.	3,840	0	0	2,000	0	0	0	0	1,840
160	Georgetown U.	3,817	31	0	110	900	1,788	179	0	809
161	U. UT	3,780	66	790	1,280	629	533	0	138	344
162	U. South FL St. Petersburg	3,766	418	119	2,265	79	0	14	24	847
163	Duquesne U.	3,726	1,830	19	907	33	325	0	344	268
164	IN U.-Purdue U. Ft. Wayne	3,691	196	3	222	231	0	0	35	3,004
165	Northern IL U.	3,683	110	18	43	273	144	268	6	2,821
166	U. NC Charlotte	3,598	262	40	2,775	265	0	121	3	132
167	U. Toledo	3,560	1,153	13	1,015	176	14	164	23	1,002
168	CA State U., Sacramento	3,534	245	1,763	782	248	0	0	22	474
169	U. Denver	3,400	0	0	721	2	2,476	201	0	0
170	Brandeis U.	3,334	3	1	1,231	56	454	0	67	1,522
171	Stevens Institute of Technology	3,314	1,593	0	1,721	0	0	0	0	0
172	U. HI Hilo	3,290	0	0	3,203	46	0	0	0	41
173	MI Technological U.	3,288	1,603	0	133	1,091	0	0	167	294
174	Rowan U.	3,220	29	0	3,168	10	3	0	10	0
175	Loyola Marymount U.	3,193	197	8	1,474	704	732	0	78	0
176	TX A&M U.-Kingsville	3,165	23	0	2,568	19	0	0	0	555
177	Wellesley C.	3,151	431	0	0	1	0	2	57	2,660
178	CUNY Hunter C.	3,149	0	27	1,799	530	0	535	258	0
179	U. TX Tyler	3,113	48	0	3,065	0	0	0	0	0
180	U. SD	3,105	315	197	577	518	74	0	0	1,424
181	Loma Linda U.	3,075	0	0	0	0	0	1,704	0	1,371
182	Bryn Mawr C.	2,994	0	0	19	2,217	0	691	67	0
183	NC State U.	2,993	306	0	1,753	934	0	0	0	0
184	Tufts U.	2,993	0	150	217	2,174	25	0	0	427
185	Air Force Institute of Technology	2,941	2,532	0	400	0	0	0	0	9

TABLE 30. Higher education R&amp;D expenditures in non-S&amp;E fields, ranked by all non-S&amp;E R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
186	CA Institute of Technology	2,927	0	0	0	2,927	0	0	0	0
187	Drexel U.	2,891	8	7	437	140	50	0	5	2,244
188	Wabash C.	2,889	160	0	15	2,709	0	0	0	5
189	SUNY Stony Brook	2,882	0	0	0	854	0	0	2,018	10
190	SUNY Albany	2,847	248	275	1,435	107	0	0	0	782
191	C. Charleston	2,796	0	296	2,351	134	0	0	15	0
192	Duke U.	2,775	1,237	5	31	1,102	255	8	121	16
193	U. PR Rio Piedras	2,735	208	14	384	221	0	440	14	1,454
194	Gallaudet U.	2,677	0	0	2,634	0	43	0	0	0
195	Salisbury U.	2,659	400	0	1,390	0	0	358	130	381
196	Southern Methodist U.	2,621	483	0	1,391	163	283	0	130	171
197	U. NC Wilmington	2,525	489	57	1,602	95	0	120	65	97
198	Cornell U.	2,522	237	1,508	0	656	121	0	0	0
199	Baylor U.	2,473	577	88	80	702	0	898	16	112
200	CA State Polytechnic U., Pomona	2,453	12	0	3	0	0	0	0	2,438
201	Lehigh U.	2,435	66	24	2,284	52	0	0	0	9
202	Pepperdine U.	2,433	131	0	1,619	0	37	0	0	646
203	U. AL Huntsville, The	2,417	1,714	0	177	60	0	0	0	466
204	Yale U.	2,385	0	0	0	1,344	1,041	0	0	0
205	Humboldt State U.	2,340	0	0	0	0	0	0	0	2,340
206	TX Southern U.	2,259	0	0	233	0	0	0	0	2,026
207	U. NV, Las Vegas	2,255	943	28	681	303	132	161	1	6
208	TX A&M U.-Corpus Christi	2,232	5	0	253	80	0	0	0	1,894
209	Washington U. St. Louis	2,225	932	0	1,181	23	30	0	0	59
210	IL Institute of Technology	2,206	91	34	1,043	0	279	0	0	759
211	U. NE Omaha	2,168	1,873	1	208	35	0	0	4	47
212	Claremont Graduate U.	2,048	0	0	2,048	0	0	0	0	0
213	Western OR U.	2,035	0	0	2,035	0	0	0	0	0
214	Teachers C., Columbia U.	2,018	0	0	1,963	0	0	0	0	55
215	New School, The	2,011	0	13	630	598	0	0	134	636
216	U. Miami	2,007	0	0	1,911	0	0	0	70	26
217	U. TN Chattanooga	1,963	1,112	0	537	284	0	0	0	30
218	U. Rochester	1,951	52	362	782	182	0	92	381	100
219	Clark U.	1,874	0	0	1,874	0	0	0	0	0
220	St. Cloud State U.	1,858	4	9	1,123	46	0	172	7	497
221	Rutgers, the State U. NJ-Newark	1,792	1,053	0	47	16	360	0	0	316
222	Loyola U. Chicago	1,783	14	7	1,376	36	231	111	0	8
223	Hamilton C.	1,761	0	0	1,449	79	0	222	1	10



TABLE 30. Higher education R&amp;D expenditures in non-S&amp;E fields, ranked by all non-S&amp;E R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
224	U. ID	1,732	14	49	305	84	50	0	0	1,230
225	U. North FL	1,725	33	0	144	26	0	0	47	1,475
226	Kent State U.	1,715	0	116	1,491	3	0	0	0	105
227	Chapman U.	1,695	0	34	455	28	1,178	0	0	0
228	U. of the Pacific	1,691	0	0	361	40	741	0	5	544
229	Carleton C.	1,659	0	0	0	1,649	0	0	10	0
230	CUNY The City C.	1,649	0	0	940	390	0	0	20	299
231	Shaw U.	1,620 i	161 i	34 i	1,425 i	0 i	0 i	0 i	0 i	0 i
232	West TX A&M U.	1,605	707	0	0	100	0	0	0	798
233	St. Bonaventure U.	1,595	22	265	363	747	0	0	27	171
234	Stephen F. Austin State U.	1,591	1	0	999	100	0	37	33	421
235	U. TX Pan American	1,577	508	0	1,002	67	0	0	0	0
236	CUNY John Jay C. of Criminal Justice	1,562	1	13	161	140	659	0	0	588
237	Mills C.	1,557	0	0	1,557	0	0	0	0	0
238	UT State U.	1,557	575	0	849	133	0	0	0	0
239	Northern AZ U.	1,522	11	9	1,169	305	0	0	28	0
240	Sam Houston State U.	1,510	0	0	479	0	0	0	0	1,031
241	TX Christian U.	1,491	4	33	1,361	28	0	46	15	4
242	CO School of Mines	1,476	0	0	1,401	75	0	0	0	0
243	Worcester Polytechnic Institute	1,459	618	12	679	150	0	0	0	0
244	Howard U.	1,454	0	227	1,029	1	0	197	0	0
245	West Chester U. PA	1,450 i	552 i	11 i	414 i	31 i	0 i	0 i	0 i	442 i
246	Middle TN State U.	1,423	322	74	35	908	0	0	17	67
247	Carnegie Mellon U.	1,414	0	220	0	26	0	0	26	1,142
248	U. MA Dartmouth	1,413	14	0	1,356	12	0	0	31	0
249	Hofstra U.	1,401	0	52	1,281	67	0	0	0	1
250	U. Dayton	1,366	23	7	1,055	273	0	0	7	1
251	U. WY	1,362	51	0	1,305	5	1	0	0	0
252	Lewis & Clark C.	1,326	0	20	37	125	1,132	0	12	0
253	Tuskegee U.	1,323	0	0	1,323	0	0	0	0	0
254	Macalester C.	1,309	0	0	27	966	0	0	316	0
255	Calvin C.	1,290	11	256	102	826	0	0	80	15
256	ID State U.	1,261	55	15	375	440	0	13	0	363
257	U. AR Little Rock	1,253	328	0	610	0	0	0	0	315
258	Auburn U. main campus	1,241	362	500	374	5	0	0	0	0
259	Rider U.	1,229	21	0	0	0	0	0	0	1,208
260	Purdue U. North Central	1,222	0	0	27	0	0	0	0	1,195

TABLE 30. Higher education R&amp;D expenditures in non-S&amp;E fields, ranked by all non-S&amp;E R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
261	OR State U.	1,195	11	0	0	7	0	0	0	1,177
262	Marquette U.	1,186	0	0	324	144	0	0	0	718
263	TN State U.	1,179	78	0	1,101	0	0	0	0	0
264	Black Hills State U.	1,142	0	11	1,131	0	0	0	0	0
265	Arcadia U.	1,138	12	16	870	122	0	12	97	9
266	ND State U.	1,125	34	114	913	64	0	0	0	0
267	West Liberty State C.	1,095	600	0	385	0	0	110	0	0
268	U. of the VI	1,078	0	0	0	0	0	0	0	1,078
269	Daemen C.	1,072	0	0	1,072	0	0	0	0	0
270	Oakland U.	1,060	159	1	218	173	0	0	134	375
271	Amherst C.	1,006	0	9	0	437	0	23	532	5
272	U. NV, Reno	1,003	166	0	69	406	0	35	0	327
273	Rutgers, the State U. NJ-Camden	1,001	0	0	621	26	354	0	0	0
274	U. Northern IA	987	0	0	987	0	0	0	0	0
275	Seton Hall U.	973	0	0	522	22	376	3	0	50
276	U. Central AR	970	0	0	480	0	0	0	0	490
277	St. Joseph's U.	961	462	0	327	87	0	3	0	82
278	U. PR Mayaguez	939	362	0	90	175	0	0	0	312
279	Claremont McKenna C.	937	0	0	0	246	0	0	0	691
280	Mercyhurst C.	934	0	0	0	0	0	281	8	645
281	U. MN Duluth	913	215	102	296	93	0	3	129	75
282	Willamette U.	898	127	216	35	132	270	0	118	0
283	Montclair State U.	887	0	124	763	0	0	0	0	0
284	U. CA, Merced	861	0	0	217	41	0	0	0	603
285	Lawrence Technological U.	849	378	0	378	0	64	0	0	29
286	Tarleton State U.	832	0	0	64	8	0	0	0	760
287	TX A&M International U.	832	92	0	473	2	4	0	1	260
288	Southern IL U. Edwardsville	823	0	0	588	235	0	0	0	0
289	U. Richmond	809	54	22	21	615	17	0	80	0
290	Wesleyan U.	798	0	61	253	344	0	10	116	14
291	Roger Williams U.	793	0	0	604	0	181	0	0	8
292	PA State U. Beaver	791	1	3	785	2	0	0	0	0
293	U. AL, The	770	56	16	475	144	0	52	13	14
294	U. WA Tacoma	766	0	0	378	176	0	17	0	195
295	PA State U. Erie, The Behrend C.	765	765	0	0	0	0	0	0	0
296	CUNY Baruch C.	756	127	21	29	129	2	0	12	436
297	CA State U., San Marcos	739	0	0	518	40	0	0	0	181
298	CA State U., Long Beach	732	0	1	392	78	0	24	0	237

TABLE 30. Higher education R&amp;D expenditures in non-S&amp;E fields, ranked by all non-S&amp;E R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
299	U. West GA	729	142	1	538	32	0	0	0	16
300	U. MT-Missoula, The	726	12	0	592	120	2	0	0	0
301	Ft. Valley State U.	724	0	0	724	0	0	0	0	0
302	La Salle U.	704	338	2	99	230	0	0	0	35
303	U. Tulsa	697	188	0	373	58	16	0	0	62
304	Boise State U.	686	0	0	402	40	0	13	10	221
305	East TN State U.	684	228	198	258	0	0	0	0	0
306	Roanoke C.	683 i	0 i	0 i	50 i	456 i	0 i	0 i	43 i	134 i
307	Dickinson C.	677	3	48	112	412	0	0	37	65
308	Pace U.	672	264	0	136	127	22	0	0	123
309	CUNY Herbert H. Lehman C.	667 i	0 i	4 i	116 i	49 i	0 i	0 i	27 i	471 i
310	San Francisco State U.	656	72	0	243	75	0	98	132	36
311	Universidad Metropolitana	640	0	0	437	0	0	0	0	203
312	FL Institute of Technology	627	513	0	10	5	0	0	0	99
313	U. South FL Sarasota-Manatee	627	239	3	139	23	0	90	0	133
314	East Carolina U.	625	26	0	502	0	0	0	57	40
315	U. Baltimore	623	3	73	34	0	512	0	0	1
316	Rice U.	615	297	11	6	256	0	0	45	0
317	CUNY Queens C.	612	0	0	221	370	0	0	21	0
318	Indiana U. PA	609	38	4	109	18	0	11	9	420
319	Kettering U.	605	331	0	0	0	0	0	0	274
320	Swarthmore C.	603	0	0	15	524	0	0	64	0
321	TN Technological U.	602	0	0	594	2	0	0	0	6
322	Touro U.-CA	601	0	0	601	0	0	0	0	0
323	U. South FL Polytechnic	597	86	0	73	10	0	0	0	428
324	John Carroll U.	588	0	0	588	0	0	0	0	0
325	DePaul U.	587	189	2	201	47	124	0	24	0
326	CA Polytechnic State U., San Luis Obispo	584	360	5	205	14	0	0	0	0
327	Catholic U. America, The	583	0	43	102	61	62	196	0	119
328	Trinity C. (Hartford, CT)	583	24	0	2	554	0	0	3	0
329	CA State U., Fresno	581	482	0	99	0	0	0	0	0
330	CUNY Brooklyn C.	580	0	66	358	134	0	0	22	0
331	U.S. Military Academy	579 i	0 i	0 i	0 i	579 i	0 i	0 i	0 i	0 i
332	U. Southern MS	579	33	18	290	15	0	218	0	5
333	U. Northern CO	578	0	0	533	25	0	0	14	6
334	U. San Francisco	578	343	0	206	0	0	0	0	29
335	VA State U.	559	0	36	134	25	0	4	0	360

TABLE 30. Higher education R&amp;D expenditures in non-S&amp;E fields, ranked by all non-S&amp;E R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
336	Pomona C.	547	0	0	0	174	0	0	373	0
337	Lafayette C.	545	0	0	0	0	0	0	0	545
338	GA Southern U.	540	54	0	266	12	0	191	0	17
339	CA State U., Los Angeles	536	0	2	312	0	0	0	0	222
340	Dartmouth C.	533	269	0	0	0	0	0	264	0
341	TX A&M U.-Commerce	532	0	0	383	13	0	0	0	136
342	U. TX Brownsville	517	6	0	169	0	0	0	0	342
343	Eastern KY U.	514	132	0	15	4	0	0	0	363
344	Lamar U.	513	89	0	130	13	0	89	0	192
345	Mesa State C.	509	26	0	483	0	0	0	0	0
346	U. MI-Flint	504	0	0	17	19	0	0	20	448
347	Western U. of Health Sciences	503	0	0	503	0	0	0	0	0
348	Salish Kootenai C.	498	0	0	498	0	0	0	0	0
349	MN State U. Mankato	493	0	0	32	31	0	0	0	430
350	Northern MI U.	487	3	3	0	23	0	12	14	432
351	Mt. Holyoke C.	483	0	147	0	165	0	0	171	0
352	Seattle Pacific U.	479	0	0	479	0	0	0	0	0
353	DE State U.	477	309	0	18	0	0	114	36	0
354	William Paterson U. NJ	477	50	28	91	280	8	0	20	0
355	Wichita State U.	456	15	4	256	15	0	10	13	143
356	Kennesaw State U.	453	0	174	0	153	0	126	0	0
357	U. Houston-Clear Lake	448	12	0	7	5	0	0	0	424
358	Spelman C.	441	0	0	0	441	0	0	0	0
359	Mercer U.	436	150	0	5	0	0	0	0	281
360	Niagara U.	435	0	0	378	46	0	4	0	7
361	Villanova U.	430 i	51 i	39 i	123 i	51 i	29 i	17 i	9 i	111 i
362	Western KY U.	416	275	0	141	0	0	0	0	0
363	Armstrong Atlantic State U.	409	0	0	114	68	0	0	0	227
364	Andrews U.	407	0	0	122	285	0	0	0	0
365	Southern U. New Orleans	402	0	0	0	0	0	0	0	402
366	U. MI-Dearborn	402	3	5	2	29	0	0	0	363
367	Smith C.	398	0	1	5	179	0	121	90	2
368	Southeastern LA U.	389	0	0	251	138	0	0	0	0
369	Nicholls State U.	388	26	0	352	0	0	0	10	0
370	Cleveland State U.	378	30	0	220	123	0	0	5	0
371	Nova Southeastern U.	376	6	0	91	0	94	0	0	185
372	U. San Diego	367	49	0	108	42	119	0	0	49
373	St. Mary's U. (San Antonio, TX)	365	0	0	0	0	365	0	0	0

TABLE 30. Higher education R&amp;D expenditures in non-S&amp;E fields, ranked by all non-S&amp;E R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
374	Case Western Reserve U.	359	304	0	0	31	24	0	0	0
375	Drake U.	353	0	0	3	11	203	0	16	120
376	SUNY C. Cortland	352	0	0	352	0	0	0	0	0
377	Rensselaer Polytechnic Institute	351	0	0	0	0	0	0	0	351
378	U. NC Asheville	349	0	0	349	0	0	0	0	0
379	Appalachian State U.	348	70	29	137	99	0	0	13	0
380	U. WI-Whitewater	345	0	0	0	71	89	0	16	169
381	Alfred U.	343	0	0	256	0	0	0	10	77
382	Northeastern IL U.	335	0	160	14	161	0	0	0	0
383	National U. of Health Sciences	331	0	47	284	0	0	0	0	0
384	LA State U. Shreveport	327	327	0	0	0	0	0	0	0
385	U. of St. Thomas (St. Paul, MN)	327	0	0	1	21	0	0	1	304
386	U. WI-Oshkosh	327	228	0	67	0	0	0	0	32
387	U. WI-Parkside	327	214	0	97	0	0	0	0	16
388	Franklin & Marshall C.	326	106	0	0	157	0	0	63	0
389	Seattle U.	311 i	63 i	9 i	38 i	164 i	0 i	6 i	8 i	23 i
390	Lincoln U. of the Commonwealth of PA	307	0	0	62	0	0	0	0	245
391	U. ND	298	60	14	103	20	0	7	0	94
392	Northwestern Health Sciences U.	296	0	0	296	0	0	0	0	0
393	Clarkson U.	295	159	5	0	131	0	0	0	0
394	Colgate U.	292	0	0	28	251	0	0	13	0
395	U. WI-La Crosse	289	177	0	47	36	0	0	11	18
396	Saginaw Valley State U.	288	5	5	9	0	1	2	2	264
397	U. IL Springfield	288	66	35	23	61	25	21	0	57
398	Auburn U. Montgomery	287	0	0	177	0	0	0	0	110
399	Bucknell U.	287	3	0	0	253	0	0	31	0
400	Radford U.	283	0	13	168	13	0	27	0	62
401	SD State U.	283	0	249	4	30	0	0	0	0
402	U. CO Colorado Springs	283	2	0	116	83	73	3	1	5
403	Pacific U.	282	0	0	200	80	0	0	0	2
404	Grinnell C.	272	0	0	3	197	0	0	72	0
405	Colby C.	267	0	4	1	226	0	0	36	0
406	U. Portland	266	80	0	142	0	0	44	0	0
407	Morehead State U.	263	0	0	0	0	0	5	0	258
408	Southern Polytechnic State U.	263	99	0	164	0	0	0	0	0
409	CA State U., San Bernardino	258	156	36	42	24	0	0	0	0
410	U. MN Morris	257	0	0	0	0	0	0	0	257

TABLE 30. Higher education R&amp;D expenditures in non-S&amp;E fields, ranked by all non-S&amp;E R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
411	Agnes Scott C.	254	0	0	0	205	0	0	49	0
412	Elizabethtown C.	252 i	0 i	0 i	202 i	50 i	0 i	0 i	0 i	0 i
413	St. John's U. (Collegeville, MN)	250	1	52	0	125	0	0	72	0
414	St. Louis U.	250	4	4	39	114	0	83	0	6
415	U. VT	244	1	0	197	46	0	0	0	0
416	IL Wesleyan U.	224	12	13	6	23	0	0	66	104
417	Allegheny C.	221	0	0	0	0	0	0	0	221
418	Skidmore C.	218	22	0	3	0	0	0	50	143
419	U. NE Kearney	214	3	0	116	0	0	10	15	70
420	U. PR Cayey	214	0	0	10	0	0	0	0	204
421	Elizabeth City State U.	210	0	0	0	0	0	0	0	210
422	U. Redlands	210	210	0	0	0	0	0	0	0
423	Gonzaga U.	201	156	0	44	0	0	0	0	1
424	AL A&M U.	200	0	0	0	0	0	200	0	0
425	SUNY C. Geneseo	199	21	2	28	131	0	0	10	7
426	Loyola C.	194	0	6	61	52	0	0	0	75
427	James Madison U.	180	3	0	177	0	0	0	0	0
428	Wright State U.	179	43	0	115	4	0	9	7	1
429	U. WI-Eau Claire	176	72	0	41	63	0	0	0	0
430	Weber State U.	174	149	3	0	0	0	0	0	22
431	Central State U.	173	0	0	173	0	0	0	0	0
432	CA State U., Chico	171	0	0	0	0	0	0	0	171
433	Lake Forest C.	169 i	0 i	0 i	0 i	169 i	0 i	0 i	0 i	0 i
434	Kalamazoo C.	168	0	1	0	99	0	0	68	0
435	Governors State U.	162	0	0	0	0	13	0	0	149
436	Winona State U.	162	0	0	3	156	0	0	0	3
437	Concordia C.	161	121	2	0	0	0	0	0	38
438	Goucher C.	160	0	150	10	0	0	0	0	0
439	U. WA Bothell	159	53	0	49	57	0	0	0	0
440	CUNY C. Staten Island	153	2	25	10	50	0	0	12	54
441	Morehouse C.	153	0	0	0	0	153	0	0	0
442	Gettysburg C.	150	6	9	5	99	0	0	31	0
443	U. TX of the Permian Basin	143	61	0	50	0	0	0	0	32
444	Adelphi U.	141	3	3	38	0	0	47	12	38
445	U. AK Southeast	139	3	0	0	72	0	0	0	64
446	Marist C.	136 i	0 i	133 i	0 i	3 i	0 i	0 i	0 i	0 i
447	Denison U.	135 i	5 i	4 i	17 i	47 i	1 i	1 i	10 i	50 i
448	Occidental C.	135	0	0	0	21	0	0	0	114

TABLE 30. Higher education R&amp;D expenditures in non-S&amp;E fields, ranked by all non-S&amp;E R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
449	St. John's U. (Jamaica, NY)	134	0	0	123	11	0	0	0	0
450	U. Puget Sound	132	1	4	0	119	0	0	8	0
451	Augustana C. (Rock Island, IL)	128	3	0	4	27	0	0	14	80
452	CO C.	128	10	15	56	30	0	0	8	9
453	Long Island U.	128 i	15 i	13 i	39 i	14 i	9 i	4 i	2 i	32 i
454	Northern KY U.	128	1	15	11	27	0	3	16	55
455	MT State U. Billings	127	107	6	5	9	0	0	0	0
456	SUNY Fredonia	120	0	0	41	0	0	0	0	79
457	Central CT State U.	117	11	0	40	59	0	4	3	0
458	TX Woman's U.	116	37	0	20	0	0	33	26	0
459	Hobart and William Smith Colleges	114	0	0	88	26	0	0	0	0
460	Barnard C.	113	0	0	0	113	0	0	0	0
461	PA State U. Great Valley School of Graduate Professional Studies	113	113	0	0	0	0	0	0	0
462	MS Valley State U.	112	0	0	112	0	0	0	0	0
463	C. of the Holy Cross	111	2	0	6	103	0	0	0	0
464	Furman U.	109	6	0	0	87	0	0	0	16
465	Marshall U.	103	23	0	79	0	0	1	0	0
466	CUNY New York City C. of Technology	98	0	7	0	62	0	8	20	1
467	Bowdoin C.	95	0	0	10	39	0	0	46	0
468	Eastern WA U.	95	0	0	5	20	0	65	0	5
469	Bowling Green State U.	94	33	0	57	0	0	0	4	0
470	U. WI-Stevens Point	92	0	25	22	16	0	0	15	14
471	AR Tech U.	91 i	11 i	2 i	39 i	2 i	0 i	4 i	1 i	32 i
472	U. WI-Green Bay	91	91	0	0	0	0	0	0	0
473	Valparaiso U.	88	0	0	52	36	0	0	0	0
474	PA State U. Altoona	85	74	0	11	0	0	0	0	0
475	Wiley C.	84	0	0	84	0	0	0	0	0
476	NC Agricultural and Technical State U.	81	81	0	0	0	0	0	0	0
477	Plymouth State U.	79 i	73 i	0 i	0 i	6 i	0 i	0 i	0 i	0 i
478	McNeese State U.	77	13	0	19	12	0	0	33	0
479	U. SC Aiken	77 i	19 i	2 i	18 i	2 i	0 i	11 i	1 i	24 i
480	Grand Valley State U.	76	0	0	56	0	0	0	0	20
481	Sinte Gleska U.	73	0	0	55	18	0	0	0	0
482	AR State U. main campus	72	0	3	0	69	0	0	0	0
483	Sul Ross State U.	69	0	8	1	11	0	0	0	49
484	Bridgewater State C.	68	3	6	9	10	0	10	13	17
485	Truman State U.	68	1	9	2	3	1	1	14	37

TABLE 30. Higher education R&amp;D expenditures in non-S&amp;E fields, ranked by all non-S&amp;E R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
486	U. SC Upstate	68 i	12 i	2 i	19 i	4 i	0 i	2 i	0 i	29 i
487	NM Highlands U.	66	0	0	0	0	0	6	0	60
488	U. Detroit Mercy	64	14	0	0	0	0	0	0	50
489	IN U. Southeast	63	50	6	7	0	0	0	0	0
490	Davidson C.	61	0	0	0	61	0	0	0	0
491	Trinity U.	59	0	0	0	59	0	0	0	0
492	Northwestern State U.	57	16	0	41	0	0	0	0	0
493	Haskell Indian Nations U.	56	0	0	0	0	0	0	0	56
494	U. WI-Stout	56	0	0	14	8	0	0	0	34
495	Simmons C.	55	0	28	0	0	0	27	0	0
496	Vanguard U. Southern CA	53 i	15 i	2 i	15 i	10 i	1 i	0 i	1 i	9 i
497	SUNY C. Potsdam	52	0	0	0	0	0	0	0	52
498	SUNY C. Plattsburgh	51	23	0	0	0	0	0	0	28
499	U. SC Beaufort	51 i	36 i	0 i	1 i	9 i	1 i	0 i	0 i	4 i
500	C. Wooster	50	0	3	0	42	0	0	5	0
501	Towson U.	50	0	1	19	0	0	0	0	30
502	Luther C.	46	3	2	6	16	0	7	12	0
503	SUNY C. Buffalo	46	0	0	46	0	0	0	0	0
504	Bates C.	45	0	0	0	38	0	0	5	2
505	Oberlin C.	45	0	0	2	28	0	0	14	1
506	Hope C.	44	0	7	0	12	0	1	24	0
507	U.S. Coast Guard Academy	44	15	0	0	29	0	0	0	0
508	Universidad del Este	44	0	0	44	0	0	0	0	0
509	U. Scranton	44	0	5	11	28	0	0	0	0
510	Vassar C.	44	0	0	14	5	0	0	0	25
511	New C. FL	43	0	0	0	40	0	0	3	0
512	NJ City U.	43	3	0	7	23	0	0	10	0
513	C. NJ, The	41	0	25	14	0	0	0	0	2
514	OH Northern U.	41	0	0	0	0	41	0	0	0
515	CUNY Medgar Evers C.	40	0	0	0	4	8	28	0	0
516	Gustavus Adolphus C.	39	0	7	3	17	0	0	8	4
517	Le Moyne-Owen C.	38	0	0	38	0	0	0	0	0
518	SUNY C. of A&T Morrisville	38	0	0	0	0	0	0	0	38
519	Abilene Christian U.	37	10	0	9	9	0	0	9	0
520	Morgan State U.	36	3	0	0	0	0	33	0	0
521	DePauw U.	34	0	0	0	10	0	0	22	2
522	IN U. South Bend	33	0	20	10	0	0	0	0	3
523	MO State U.	33	0	33	0	0	0	0	0	0



TABLE 30. Higher education R&amp;D expenditures in non-S&amp;E fields, ranked by all non-S&amp;E R&amp;D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
524	Coe C.	32	0	0	1	3	0	0	0	28
525	Eastern IL U.	32	0	0	4	23	0	5	0	0
526	Ft. Lewis C.	32	0	0	0	0	0	0	0	32
527	Ithaca C.	31	0	5	0	13	0	0	13	0
528	Midwestern U. (Downers Grove, IL)	30	0	0	30	0	0	0	0	0
529	St. Olaf C.	29	0	0	0	29	0	0	0	0
530	Bradley U.	28	4	0	5	6	0	0	13	0
531	Central WA U.	27	0	0	1	26	0	0	0	0
532	Union C. (Schenectady, NY)	27	0	0	0	0	0	0	27	0
533	Angelo State U.	25	0	0	8	17	0	0	0	0
534	Farmingdale State C.	25	0	0	0	0	0	0	0	25
535	KY State U.	25	0	0	25	0	0	0	0	0
536	Lawrence U.	24	0	0	8	0	0	0	16	0
537	VA Military Institute	24	0	0	0	24	0	0	0	0
538	Loyola U. New Orleans	23	0	0	0	13	0	0	0	10
539	Pacific Lutheran U.	23	14	0	0	5	0	0	0	4
540	Western Carolina U.	23	0	0	23	0	0	0	0	0
541	Providence C.	22	0	0	22	0	0	0	0	0
542	Coastal Carolina U.	21	0	0	0	21	0	0	0	0
543	Millersville U. PA	21	0	0	2	0	0	0	0	19
544	St. Michael's C.	21	0	0	4	17	0	0	0	0
545	Midwestern State U.	20	3	0	2	4	0	0	8	3
546	U. of the Sciences Philadelphia	19	0	0	0	19	0	0	0	0
547	Benedictine U.	18	18	0	0	0	0	0	0	0
548	SUNY Institute of Technology at Utica-Rome	18	0	0	0	0	0	0	0	18
549	Haverford C.	17 i	0 i	0 i	0 i	0 i	0 i	0 i	17 i	0 i
550	Northeastern State U.	16	0	0	4	5	0	7	0	0
551	IN State U.	15	0	0	0	0	0	0	0	15
552	U. LA Monroe	15	0	0	0	0	0	0	15	0
553	Christopher Newport U.	14	0	0	0	14	0	0	0	0
554	Fisk U.	14	0	0	0	0	0	0	0	14
555	Mercy C.	14	0	0	4	9	0	0	1	0
556	Murray State U.	12	0	0	2	2	0	0	0	8
557	U. PR Humacao	12 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	12 i
558	Claffin U.	11	11	0	0	0	0	0	0	0
559	Western IL U.	11	0	0	11	0	0	0	0	0
560	SUNY C. of A&T Cobleskill	10	0	0	0	0	0	0	0	10

TABLE 30. Higher education R&D expenditures in non-S&E fields, ranked by all non-S&E R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
561	SUNY C. Oneonta	9	0	0	0	0	0	0	0	9
562	Middlebury C.	8	0	0	0	0	0	0	0	8
563	Prairie View A&M U.	8	8	0	0	0	0	0	0	0
564	Whitman C.	8	0	0	0	0	0	8	0	0
565	Xavier U. LA	7	0	1	0	0	0	0	0	6
566	PA State U. Harrisburg	6	6	0	0	0	0	0	0	0
567	Pitzer C.	6 i	0 i	0 i	0 i	6 i	0 i	0 i	0 i	0 i
568	SUNY New Paltz	5	0	0	5	0	0	0	0	0
569	Youngstown State U.	5	4	0	0	0	0	0	0	1
570	Santa Clara U.	4	0	0	4	0	0	0	0	0
571	Southeastern OK State U.	3	0	0	0	0	0	0	0	3
572	Southwestern OK State U.	3	0	0	0	3	0	0	0	0
573	U. Houston-Downtown	3	0	0	0	0	0	0	0	3
574	U. MN Rochester	3	0	0	0	0	0	0	0	3
575	U. WI-River Falls	3	0	0	2	1	0	0	0	0
576	SC State U.	1	0	0	0	0	0	0	0	1

i = imputed.

S&E = science and engineering.

<sup>a</sup> Non-S&E data represent higher education R&D expenditures in non-S&E fields for The Johns Hopkins University, excluding its Applied Physics Laboratory (APL). APL did not report non-S&E expenditures.

NOTES: Institutions reporting zero expenditures in ranked total for FY 2010 are not listed in this table. Tied institutions are ranked alphabetically. Institutions ranked are geographically separate campuses headed by a campus-level president or chancellor. Some campuses are part of large multicampus universities; some are part of state university systems. For complete listing of campuses that belong to a larger university or system and their aggregate R&D expenditures, see table C-2.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE 31. Federally financed higher education R&D expenditures in non-S&E fields, ranked by all federal non-S&E R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
	All institutions	984,420	83,571	60,060	537,271	57,696	19,325	94,423	4,819	127,255
1	Northwestern U.	23,455	194	18,981	4,002	23	121	0	56	78
2	U. South FL	23,383	1,998	326	18,672	3	0	380	50	1,954
3	U. WI-Madison	22,716	2,370	776	17,118	1,341	433	188	1	489
4	Vanderbilt U.	20,471	151	5,118	15,020	53	129	0	0	0
5	U. WA Seattle	20,452	659	355	4,850	1,152	612	12,760	61	3
6	FL A&M U.	19,545	7	0	261	2,098	14	0	0	17,165
7	U. TX Austin	18,869	255	1,344	6,145	752	0	4,612	101	5,660
8	VA Commonwealth U.	18,425	38	9	13,502	257	0	4,126	120	373
9	U. MI-Ann Arbor	17,999	1,208	61	11,316	415	0	3,731	0	1,268
10	Stanford U.	16,463	23	139	15,627	158	261	0	0	255
11	U. CA, Los Angeles	16,098	165	97	15,198	179	234	0	225	0
12	MI State U.	15,399	1,284	2,489	9,222	439	0	204	0	1,761
13	U. PA	15,364	2,930	5,393	4,103	483	710	1,388	357	0
14	OH State U.	15,309	563	620	10,605	2,402	0	811	5	303
15	U. Pittsburgh main campus	13,527	299	0	4,163	76	132	8,857	0	0
16	U. TN Knoxville	13,483	12,367	4	328	550	0	59	0	175
17	TX A&M U.	11,196	0	0	10,444	253	5	0	0	494
18	Portland State U.	11,143	20	0	3,265	164	0	7,694	0	0
19	Purdue U. main campus	10,885	533	926	1,698	147	0	0	0	7,581
20	Columbia U. in the City of New York	10,682	1,144	470	901	449	10	7,453	0	255
21	NY U.	10,457	655	0	9,091	110	0	37	51	513
22	U. KS	10,140	0	0	8,633	79	0	1,428	0	0
23	U. CO Boulder	10,022	50	10	7,067	479	414	0	3	1,999
24	U. FL	9,884	215	686	4,554	64	80	0	70	4,215
25	FL International U.	9,796	35	199	4,534	118	0	4,726	94	90
26	U. Louisville	9,667	34	0	6,070	165	0	1,605	0	1,793
27	Western MI U.	9,618	0	39	9,371	43	0	0	0	165
28	U. IL Urbana-Champaign	9,616	92	1,601	4,010	1,346	149	326	10	2,082
29	U. CA, Berkeley	9,588	273	475	8,739	17	81	0	3	0
30	U. OR	9,569	0	0	9,466	78	25	0	0	0
31	U. CO Denver and Health Sciences Ctr.	9,553	658	19	4,368	51	0	0	341	4,116
32	U. West FL	8,728	6,693	156	1,499	168	0	115	0	97
33	Fayetteville State U.	8,656	0	0	8,618	0	0	0	0	38
34	U. NC Greensboro	8,620	0	69	8,177	52	0	0	0	322
35	MT State U. Bozeman	8,365	34	0	4,177	65	0	0	0	4,089

TABLE 31. Federally financed higher education R&D expenditures in non-S&E fields, ranked by all federal non-S&E R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
36	U. NH	8,362	947	0	6,404	316	0	683	0	12
37	WA State U.	8,119	82	270	2,957	51	0	4,368	0	391
38	Harvard U.	7,662	8	26	6,919	163	546	0	0	0
39	AZ State U.	7,312	741	999	1,208	411	654	1,977	0	1,322
40	FL State U.	7,223	46	530	5,745	219	0	57	0	626
41	CA State U., Fullerton	6,941	1,813	0	3,475	167	0	860	10	616
42	FL Gulf Coast U.	6,881	464	179	6,179	0	0	0	0	59
43	Naval Postgraduate School	6,840	6,797	0	43	0	0	0	0	0
44	Syracuse U.	6,825	227	102	2,753	10	3,377	356	0	0
45	U. MA Boston	6,740	0	0	6,571	169	0	0	0	0
46	Wheeling Jesuit U.	6,665	4,332	0	2,333	0	0	0	0	0
47	U. Southern ME	6,639	0	0	0	0	0	0	0	6,639
48	MA Institute of Technology	6,525	260	0	3,690	52	0	0	0	2,523
49	Brown U.	6,338	2,528	0	2,331	682	0	0	1	796
50	U. MN Twin Cities	6,257	570	78	4,183	42	796	188	137	263
51	U. Southern CA	6,192	98	881	2,611	287	0	2,291	24	0
52	CA State U., Northridge	6,091	115	0	5,172	256	0	0	336	212
53	Rutgers, the State U. NJ-New Brunswick	5,984	3	619	4,729	629	4	0	0	0
54	U.S. Air Force Academy	5,908	215	0	788	1,800	0	0	0	3,105
55	Eastern MI U.	5,713	39	0	2,766	25	0	1,166	0	1,717
56	U. SC Columbia	5,611	0	111	1,999	0	0	3,501	0	0
57	Johns Hopkins U., The <sup>a</sup>	5,443	0	0	0	5,443	0	0	0	0
58	CO State U.	5,407	862	386	698	124	0	0	5	3,332
59	U. WI-Milwaukee	5,401	120	110	3,717	299	0	488	0	667
60	U. OK	5,301	203	111	4,178	0	0	0	0	809
61	U. CA, Irvine	5,216	97	0	4,616	486	0	0	17	0
62	C. of William and Mary and VA Institute of Marine Science	5,207	0	0	5,015	0	192	0	0	0
63	U. New Orleans	5,059	1,627	0	1,758	163	0	0	0	1,511
64	U. CA, Riverside	4,968	0	0	4,832	136	0	0	0	0
65	WV U.	4,950	109	68	4,240	126	0	184	0	223
66	Purdue U. Calumet	4,677	0	0	1,662	83	0	0	0	2,932
67	Jackson State U.	4,530	0	0	4,377	13	0	53	0	87
68	U. AL Birmingham, The	4,399	0	0	2,970	0	0	0	0	1,429
69	Dillard U.	4,385	0	577	0	0	0	0	0	3,808
70	U. KY	4,336	117	978	1,216	25	0	641	0	1,359
71	U. VA main campus	4,310	0	216	2,799	1,295	0	0	0	0
72	U. Chicago	4,191	635	0	0	165	0	2,898	0	493
73	Old Dominion U.	4,153	2	0	3,967	16	0	0	0	168

TABLE 31. Federally financed higher education R&D expenditures in non-S&E fields, ranked by all federal non-S&E R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
74	U. NC Chapel Hill	4,083	754	1,934	387	43	0	891	0	74
75	U. MD College Park	4,061	697	0	2,388	976	0	0	0	0
76	Boston U.	3,944	74	0	2,674	464	0	577	35	120
77	Temple U.	3,769	126	0	3,191	2	174	253	23	0
78	Rochester Institute of Technology	3,761	10	0	3,751	0	0	0	0	0
79	Brigham Young U.	3,742	349	112	611	2,478	0	0	192	0
80	IN U. Bloomington	3,725	70	2,258	1,265	86	18	0	0	28
81	U. MO-Columbia	3,603	108	205	3,239	39	0	0	12	0
82	Clemson U.	3,560	0	0	2,068	150	0	0	0	1,342
83	U. CT	3,469	357	823	1,007	157	0	1,125	0	0
84	George Mason U.	3,420	0	0	1,121	2,299	0	0	0	0
85	GA State U.	3,341	190	0	2,767	17	10	53	0	304
86	TX Tech U.	3,290	350	90	2,680	0	170	0	0	0
87	U. CA, Davis	3,284	0	0	2,997	127	0	0	151	9
88	U. IL Chicago	3,249	25	17	1,055	0	0	2,152	0	0
89	U. Denver	3,184	0	0	605	0	2,476	103	0	0
90	Stevens Institute of Technology	3,004	1,358	0	1,646	0	0	0	0	0
91	U. North TX	2,965	13	686	1,819	447	0	0	0	0
92	U. Memphis, The	2,928	469	0	1,898	351	0	0	36	174
93	U. CA, Santa Cruz	2,920	0	0	2,208	447	0	0	265	0
94	U. DE	2,817	0	0	2,073	441	0	0	0	303
95	LA State U. and A&M C.	2,796	121	157	1,904	114	0	401	26	73
96	U. Houston	2,772	178	0	1,817	1	206	0	0	570
97	CA Institute of Technology	2,771	0	0	0	2,771	0	0	0	0
98	San Diego State U.	2,758	664	67	689	199	0	597	0	542
99	San Jose State U.	2,716	1,807	10	83	0	0	484	0	332
100	SUNY Buffalo	2,622	65	226	1,334	45	0	71	132	749
101	American U.	2,578	57	0	1,532	204	785	0	0	0
102	Rowan U.	2,564	0	0	2,564	0	0	0	0	0
103	U. MS and U. MS Medical Ctr.	2,444	1	0	636	211	1,465	35	0	96
104	U. IA	2,376	150	0	1,338	620	0	268	0	0
105	Northeastern U.	2,347	27	30	651	950	424	0	265	0
106	Fairfield U.	2,309	0	0	0	52	0	0	12	2,245
107	U. South FL St. Petersburg	2,283	86	0	1,446	0	0	0	0	751
108	Ball State U.	2,276	0	41	1,601	2	0	11	28	593
109	CUNY Graduate Ctr.	2,238	0	0	1,790	133	0	0	315	0
110	U. GA	2,237	0	11	2,000	210	0	16	0	0

TABLE 31. Federally financed higher education R&D expenditures in non-S&E fields, ranked by all federal non-S&E R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
111	NJ Institute of Technology	2,219	0	0	0	0	0	0	0	2,219
112	KS State U.	2,160	97	22	696	14	0	0	0	1,331
113	Loma Linda U.	2,109	0	0	0	0	0	1,330	0	779
114	Drexel U.	2,099	0	0	149	87	0	0	0	1,863
115	TX State U.-San Marcos	2,089	48	0	1,892	0	149	0	0	0
116	Miami U.	2,045	0	82	1,377	156	0	0	0	430
117	TX A&M U.-Kingsville	2,021	0	0	2,021	0	0	0	0	0
118	U. RI	2,018	0	376	1,363	0	0	0	0	279
119	IL State U.	1,993	0	0	1,806	0	0	63	0	124
120	NC State U.	1,972	11	0	1,325	636	0	0	0	0
121	Air Force Institute of Technology	1,960	1,560	0	400	0	0	0	0	0
122	U. TX Arlington	1,957	0	0	363	32	0	1,440	0	122
123	Boston C.	1,939	0	0	1,928	11	0	0	0	0
124	U. ME	1,893	0	0	1,850	0	0	43	0	0
125	U. NE Omaha	1,886	1,692	0	194	0	0	0	0	0
126	U. NC Charlotte	1,840	130	0	1,633	71	0	0	0	6
127	U. HI Hilo	1,774	0	0	1,728	46	0	0	0	0
128	U. AK Fairbanks	1,768	155	0	884	108	0	0	8	613
129	U. CA, Santa Barbara	1,761	13	600	685	453	0	0	10	0
130	U. TX Tyler	1,689	48	0	1,641	0	0	0	0	0
131	U. TX San Antonio	1,681	131	0	1,538	0	0	12	0	0
132	Washington U. St. Louis	1,649	697	0	872	0	28	0	0	52
133	Lehigh U.	1,637	54	0	1,571	12	0	0	0	0
134	U. AL Huntsville, The	1,614	1,331	0	88	24	0	0	0	171
135	TX Southern U.	1,602	0	0	233	0	0	0	0	1,369
136	GA Institute of Technology	1,590	0	142	0	1,209	0	0	0	239
137	U. MD Baltimore	1,560	0	0	0	0	131	1,429	0	0
138	Tufts U.	1,540	0	98	216	1,169	0	0	0	57
139	U. Central FL	1,536	1,021	31	239	64	0	0	181	0
140	George Washington U.	1,513	448	216	5	839	0	0	5	0
141	C. Charleston	1,505	0	184	1,290	16	0	0	15	0
142	CO School of Mines	1,476	0	0	1,401	75	0	0	0	0
143	U. of the Pacific	1,468	0	0	315	40	741	0	0	372
144	Southern CT State U.	1,459	0	0	1,000	0	0	0	0	459
145	PA State U. University Park and Hershey Medical Ctr.	1,449	0	931	2	516	0	0	0	0
146	Western OR U.	1,432	0	0	1,432	0	0	0	0	0
147	Shaw U.	1,425 i	0 i	0 i	1,425	0 i	0 i	0 i	0 i	0 i
148	U. Toledo	1,405	840	0	359	122	0	0	0	84

TABLE 31. Federally financed higher education R&D expenditures in non-S&E fields, ranked by all federal non-S&E R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
149	Salisbury U.	1,401	211	0	1,001	0	0	0	0	189
150	U. CA, San Diego	1,390	367	0	561	328	0	0	117	17
151	U. Miami	1,389	0	0	1,379	0	0	0	10	0
152	Cornell U.	1,380	28	1,120	0	200	32	0	0	0
153	U. NC Wilmington	1,338	336	22	919	29	0	4	28	0
154	Tuskegee U.	1,323	0	0	1,323	0	0	0	0	0
155	IN U.-Purdue U. Indianapolis	1,297	85	674	458	0	0	0	0	80
156	U. WY	1,297	39	0	1,258	0	0	0	0	0
157	Hofstra U.	1,286	0	0	1,269	17	0	0	0	0
158	IA State U.	1,280	498	0	777	5	0	0	0	0
159	Kent State U.	1,275	0	75	1,144	0	0	0	0	56
160	U. MO-St. Louis	1,265	0	0	1,026	106	0	133	0	0
161	U. ID	1,221	0	33	100	79	0	0	0	1,009
162	U. NM	1,213	0	0	1,184	0	14	0	15	0
163	TX Christian U.	1,212	0	0	1,208	0	0	0	0	4
164	Southern Methodist U.	1,170	72	0	747	0	262	0	0	89
165	U. AZ	1,119	143	376	507	93	0	0	0	0
166	MS State U.	1,100	0	0	1,062	0	0	0	0	38
167	Princeton U.	1,097	0	0	0	624	0	0	162	311
168	LA Tech U.	1,091	693	3	395	0	0	0	0	0
169	Georgetown U.	1,080	31	0	58	812	0	179	0	0
170	Black Hills State U.	1,079	0	5	1,074	0	0	0	0	0
171	U. of the VI	1,078	0	0	0	0	0	0	0	1,078
172	U. MA Lowell	1,075	0	3	452	0	0	0	0	620
173	ID State U.	1,054	28	0	356	359	0	0	0	311
174	Mills C.	1,048	0	0	1,048	0	0	0	0	0
175	Loyola U. Chicago	1,042	0	0	985	24	0	33	0	0
176	U. AR main campus	1,015	0	0	312	0	575	126	0	2
177	Claremont Graduate U.	1,000	0	0	1,000	0	0	0	0	0
178	U. MA Dartmouth	1,000	0	0	1,000	0	0	0	0	0
179	U. AR Little Rock	993	235	0	582	0	0	0	0	176
180	U. Dayton	973	16	0	795	162	0	0	0	0
181	U. Northern IA	961	0	0	961	0	0	0	0	0
182	CUNY Hunter C.	955	0	0	865	0	0	90	0	0
183	U. NV, Las Vegas	944	67	26	561	57	121	111	1	0
184	Gallaudet U.	938	0	0	938	0	0	0	0	0
185	VA Polytechnic Institute and State U.	930	104	27	316	136	0	0	22	325

TABLE 31. Federally financed higher education R&D expenditures in non-S&E fields, ranked by all federal non-S&E R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
186	SUNY Albany	920	31	275	588	26	0	0	0	0
187	U. AK Anchorage	883	0	0	331	209	343	0	0	0
188	U. NE-Lincoln	879	0	0	675	204	0	0	0	0
189	Worcester Polytechnic Institute	877	390	0	337	150	0	0	0	0
190	Duquesne U.	872	498	11	154	0	52	0	0	157
191	Tulane U.	851	112	0	0	0	38	0	0	701
192	U. MD Baltimore County	851	0	0	378	473	0	0	0	0
193	Loyola Marymount U.	837	0	5	828	4	0	0	0	0
194	UT State U.	831	523	0	239	69	0	0	0	0
195	Stephen F. Austin State U.	826	0	0	796	0	0	30	0	0
196	U. LA Lafayette	821	28	67	678	48	0	0	0	0
197	FL Atlantic U.	811	0	0	610	0	0	0	0	201
198	Howard U.	806	0	11	660	0	0	135	0	0
199	OR State U.	805	0	0	0	7	0	0	0	798
200	CA State U., Sacramento	797	4	0	561	21	0	0	0	211
201	U. Rochester	790	0	17	545	95	0	0	133	0
202	PA State U. Beaver	785	0	0	785	0	0	0	0	0
203	Yale U.	784	0	0	0	645	139	0	0	0
204	Montclair State U.	763	0	124	639	0	0	0	0	0
205	St. Cloud State U.	759	0	4	596	0	0	159	0	0
206	Wayne State U.	748	44	0	431	0	96	15	0	162
207	Arcadia U.	746	0	0	678	68	0	0	0	0
208	U. TX Dallas	735	148	0	0	587	0	0	0	0
209	Pepperdine U.	734	0	0	734	0	0	0	0	0
210	CUNY The City C.	730	0	0	730	0	0	0	0	0
211	Fordham U.	706	0	0	297	123	0	286	0	0
212	ND State U.	685	0	70	615	0	0	0	0	0
213	U. MT-Missoula, The	644	0	0	591	51	2	0	0	0
214	St. Bonaventure U.	639	22	265	183	0	0	0	1	168
215	CA State U., Long Beach	635	0	0	377	21	0	0	0	237
216	Duke U.	615	438	0	20	0	157	0	0	0
217	Purdue U. North Central	610	0	0	0	0	0	0	0	610
218	John Carroll U.	588	0	0	588	0	0	0	0	0
219	U. PR Rio Piedras	587	0	0	110	1	0	406	0	70
220	U.S. Military Academy	575 i	0 i	0 i	0	575 i	0 i	0 i	0 i	0 i
221	U. TX Pan American	574	59	0	515	0	0	0	0	0
222	IL Institute of Technology	569	42	0	330	0	197	0	0	0
223	IN U.-Purdue U. Ft. Wayne	566	0	0	16	48	0	0	0	502



TABLE 31. Federally financed higher education R&D expenditures in non-S&E fields, ranked by all federal non-S&E R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
224	CA State U., San Marcos	558	0	0	518	40	0	0	0	0
225	U. MA Amherst	553	6	0	440	31	76	0	0	0
226	TN Technological U.	532	0	0	530	2	0	0	0	0
227	U. UT	532	0	0	123	65	0	0	0	344
228	U. Cincinnati	531	0	55	33	0	0	0	0	443
229	East Carolina U.	526	22	0	502	0	0	0	0	2
230	U. WA Tacoma	526	0	0	331	15	0	15	0	165
231	Roger Williams U.	518	0	0	429	0	87	0	0	2
232	U. of Notre Dame	507	0	0	0	153	10	0	35	309
233	Universidad del Turabo	479	0	0	479	0	0	0	0	0
234	TN State U.	478	0	0	478	0	0	0	0	0
235	U. Northern CO	476	0	0	476	0	0	0	0	0
236	VA State U.	472	0	0	94	21	0	0	0	357
237	Western WA U.	457	156	0	252	49	0	0	0	0
238	Chapman U.	442	0	0	53	21	368	0	0	0
239	Northern IL U.	427	43	0	0	221	0	163	0	0
240	Mesa State C.	426	0	0	426	0	0	0	0	0
241	Universidad Metropolitana	423	0	0	220	0	0	0	0	203
242	U. AL, The	419	0	0	416	0	0	0	0	3
243	Armstrong Atlantic State U.	409	0	0	114	68	0	0	0	227
244	St. Joseph's U.	408	41	0	249	85	0	0	0	33
245	Rutgers, the State U. NJ-Newark	388	321	0	0	4	44	0	0	19
246	Brandeis U.	387	3	0	318	0	66	0	0	0
247	U. South AL	387	0	0	387	0	0	0	0	0
248	Boise State U.	377	0	0	334	7	0	0	0	36
249	Bryn Mawr C.	369	0	0	0	329	0	40	0	0
250	Southern U. New Orleans	369	0	0	0	0	0	0	0	369
251	Dartmouth C.	362	147	0	0	0	0	0	215	0
252	CUNY Brooklyn C.	356	0	58	298	0	0	0	0	0
253	NM State U.	349	0	0	4	0	0	0	0	345
254	CUNY John Jay C. of Criminal Justice	339	0	0	78	0	91	0	0	170
255	CA State U., Fresno	335	279	0	56	0	0	0	0	0
256	Lawrence Technological U.	335	36	0	233	0	64	0	0	2
257	U. Southern MS	325	17	18	290	0	0	0	0	0
258	Auburn U. main campus	323	239	0	84	0	0	0	0	0
259	U. South FL Polytechnic	323	0	0	0	0	0	0	0	323
260	CUNY Herbert H. Lehman C.	310 i	0 i	0 i	0	0 i	0 i	0 i	0 i	310 i

TABLE 31. Federally financed higher education R&D expenditures in non-S&E fields, ranked by all federal non-S&E R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
261	U. Tulsa	307	85	0	180	42	0	0	0	0
262	New School, The	294	0	0	271	0	0	0	10	13
263	U. Baltimore	294	0	0	14	0	279	0	0	1
264	Rensselaer Polytechnic Institute	288	0	0	0	0	0	0	0	288
265	TX A&M U.-Commerce	284	0	0	283	1	0	0	0	0
266	Pacific U.	280	0	0	200	80	0	0	0	0
267	FL Institute of Technology	272	267	0	0	5	0	0	0	0
268	Wellesley C.	271	0	0	0	0	0	0	25	246
269	MI Technological U.	269	15	0	9	102	0	0	0	143
270	Eastern KY U.	267	75	0	0	0	0	0	0	192
271	Marquette U.	266	0	0	167	99	0	0	0	0
272	Hamilton C.	265	0	0	245	3	0	17	0	0
273	Western KY U.	260	260	0	0	0	0	0	0	0
274	OH U.	257	0	57	170	30	0	0	0	0
275	Southern Polytechnic State U.	257	99	0	158	0	0	0	0	0
276	U. MO-Kansas City	252	0	0	11	0	0	241	0	0
277	Case Western Reserve U.	251	241	0	0	0	10	0	0	0
278	Carnegie Mellon U.	250	0	0	0	0	0	0	0	250
279	Northwestern Health Sciences U.	248	0	0	248	0	0	0	0	0
280	U. CO Colorado Springs	246	0	0	92	83	71	0	0	0
281	CA Polytechnic State U., San Luis Obispo	241	62	0	169	10	0	0	0	0
282	Morehead State U.	237	0	0	0	0	0	0	0	237
283	U. West GA	237	129	0	94	0	0	0	0	14
284	Rutgers, the State U. NJ-Camden	236	0	0	234	2	0	0	0	0
285	Central MI U.	235	69	0	0	16	0	0	49	101
286	U. PR Mayaguez	230	0	0	0	0	0	0	0	230
287	Willamette U.	225	67	151	0	7	0	0	0	0
288	Middle TN State U.	223	0	0	35	121	0	0	0	67
289	TX A&M U.-Corpus Christi	222	0	0	222	0	0	0	0	0
290	Rice U.	219	161	5	0	53	0	0	0	0
291	Southeastern LA U.	219	0	0	219	0	0	0	0	0
292	SUNY Binghamton	213	89	0	124	0	0	0	0	0
293	National U. of Health Sciences	209	0	0	209	0	0	0	0	0
294	U. Redlands	209	209	0	0	0	0	0	0	0
295	CA State U., Los Angeles	207	0	0	112	0	0	0	0	95
296	Elizabeth City State U.	200	0	0	0	0	0	0	0	200
297	Elizabethtown C.	200	0	0	200	0	0	0	0	0
298	U. CA, Merced	200	0	0	200	0	0	0	0	0

TABLE 31. Federally financed higher education R&D expenditures in non-S&E fields, ranked by all federal non-S&E R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
299	GA Southern U.	195	0	0	192	3	0	0	0	0
300	U. MI-Flint	195	0	0	0	0	0	0	0	195
301	San Francisco State U.	194	0	0	163	0	0	23	0	8
302	Lamar U.	193	0	0	84	13	0	10	0	86
303	DE State U.	187	122	0	11	0	0	54	0	0
304	U. of St. Thomas (St. Paul, MN)	186	0	0	0	21	0	0	0	165
305	Sam Houston State U.	179	0	0	179	0	0	0	0	0
306	U. TX El Paso	178	0	0	178	0	0	0	0	0
307	Indiana U. PA	171	0	0	0	0	0	0	0	171
308	Clarkson U.	165	45	0	0	120	0	0	0	0
309	U. Akron	164	0	0	0	0	0	59	0	105
310	Carleton C.	160	0	0	0	150	0	0	10	0
311	Northeastern IL U.	160	0	160	0	0	0	0	0	0
312	Dickinson C.	157	0	39	0	95	0	0	0	23
313	Radford U.	156	0	0	137	0	0	19	0	0
314	Morehouse C.	153	0	0	0	0	153	0	0	0
315	U. WI-Whitewater	152	0	0	0	66	85	0	0	1
316	Appalachian State U.	151	53	4	87	4	0	0	3	0
317	East TN State U.	151	0	151	0	0	0	0	0	0
318	Mercyhurst C.	151	0	0	0	0	0	0	0	151
319	CUNY Queens C.	146	0	0	146	0	0	0	0	0
320	TX A&M International U.	142	48	0	94	0	0	0	0	0
321	Kennesaw State U.	141	0	0	0	28	0	113	0	0
322	Amherst C.	136	0	0	0	0	0	10	121	5
323	U. MI-Dearborn	131	0	0	0	0	0	0	0	131
324	Cleveland State U.	130	10	0	82	38	0	0	0	0
325	U. ND	123	60	14	43	6	0	0	0	0
326	U. North FL	120	0	0	120	0	0	0	0	0
327	Bucknell U.	119	0	0	0	119	0	0	0	0
328	Loyola C.	119	0	6	38	0	0	0	0	75
329	Wichita State U.	118	0	0	118	0	0	0	0	0
330	U. SD	114	8	0	0	0	0	0	0	106
331	St. John's U. (Jamaica, NY)	113	0	0	113	0	0	0	0	0
332	MS Valley State U.	112	0	0	112	0	0	0	0	0
333	Auburn U. Montgomery	110	0	0	0	0	0	0	0	110
334	U. PR Cayey	109	0	0	10	0	0	0	0	99
335	IL Wesleyan U.	108	0	4	0	0	0	0	0	104

TABLE 31. Federally financed higher education R&D expenditures in non-S&E fields, ranked by all federal non-S&E R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
336	Oakland U.	106	0	0	106	0	0	0	0	0
337	U. South FL Sarasota-Manatee	106	0	0	0	0	0	0	0	106
338	Baylor U.	105	18	0	8	0	0	79	0	0
339	U. IL Springfield	104	50	0	15	23	0	16	0	0
340	Villanova U.	104	7	16	51	10	5	10	0	5
341	CA State U., San Bernardino	102	0	36	42	24	0	0	0	0
342	U. Central AR	98	0	0	98	0	0	0	0	0
343	Drake U.	95	0	0	0	0	95	0	0	0
344	Salish Kootenai C.	93	0	0	93	0	0	0	0	0
345	U. San Francisco	93	0	0	64	0	0	0	0	29
346	Colby C.	90	0	0	0	90	0	0	0	0
347	Governors State U.	90	0	0	0	0	13	0	0	77
348	Hobart and William Smith Colleges	88	0	0	88	0	0	0	0	0
349	Smith C.	88	0	0	1	0	0	87	0	0
350	U. Richmond	88	46	0	0	42	0	0	0	0
351	Furman U.	87	0	0	0	87	0	0	0	0
352	Wiley C.	84	0	0	84	0	0	0	0	0
353	Northern AZ U.	80	0	3	0	77	0	0	0	0
354	U. Portland	80	0	0	80	0	0	0	0	0
355	U. Puget Sound	80	0	0	0	80	0	0	0	0
356	SUNY C. Geneseo	76	0	0	0	76	0	0	0	0
357	St. Louis U.	73	0	0	0	8	0	65	0	0
358	U. AK Southeast	72	0	0	0	72	0	0	0	0
359	Adelphi U.	71	0	0	32	0	0	39	0	0
360	U. WI-Oshkosh	63	0	0	63	0	0	0	0	0
361	CO C.	61	5	5	36	10	0	0	3	2
362	Humboldt State U.	59	0	0	0	0	0	0	0	59
363	SD State U.	59	0	25	4	30	0	0	0	0
364	Trinity U.	59	0	0	0	59	0	0	0	0
365	Grand Valley State U.	56	0	0	56	0	0	0	0	0
366	SUNY Stony Brook	56	0	0	0	45	0	0	11	0
367	Sinte Gleska U.	55	0	0	55	0	0	0	0	0
368	Teachers C., Columbia U.	55	0	0	0	0	0	0	0	55
369	U. WI-Green Bay	54	54	0	0	0	0	0	0	0
370	Calvin C.	53	0	25	0	28	0	0	0	0
371	Barnard C.	52	0	0	0	52	0	0	0	0
372	Southern IL U. Edwardsville	52	0	0	0	52	0	0	0	0
373	MN State U. Mankato	50	0	0	28	0	0	0	0	22

TABLE 31. Federally financed higher education R&D expenditures in non-S&E fields, ranked by all federal non-S&E R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
374	U. TX of the Permian Basin	50	0	0	50	0	0	0	0	0
375	Nova Southeastern U.	49	0	0	49	0	0	0	0	0
376	U. WI-Eau Claire	49	12	0	37	0	0	0	0	0
377	U. VT	47	0	0	47	0	0	0	0	0
378	Concordia C.	46	46	0	0	0	0	0	0	0
379	SUNY C. Buffalo	46	0	0	46	0	0	0	0	0
380	Denison U.	44 i	0 i	4 i	6	2 i	1 i	0 i	1 i	30 i
381	U.S. Coast Guard Academy	44	15	0	0	29	0	0	0	0
382	Vassar C.	44	0	0	14	5	0	0	0	25
383	Alfred U.	42	0	0	38	0	0	0	0	4
384	Catholic U. America, The	41	0	3	0	0	0	38	0	0
385	SUNY Fredonia	41	0	0	41	0	0	0	0	0
386	CA State Polytechnic U., Pomona	40	12	0	3	0	0	0	0	25
387	Long Island U.	40 i	2 i	7 i	20	4 i	2 i	3 i	0 i	2 i
388	Emory U.	38	1	0	0	37	0	0	0	0
389	Le Moyne-Owen C.	38	0	0	38	0	0	0	0	0
390	CA State U., Chico	36	0	0	0	0	0	0	0	36
391	AR Tech U.	34 i	3 i	0 i	22	0 i	0 i	0 i	0 i	9 i
392	MT State U. Billings	34	34	0	0	0	0	0	0	0
393	U. SC Beaufort	33 i	33 i	0 i	0	0 i	0 i	0 i	0 i	0 i
394	Macalester C.	31	0	0	0	0	0	0	31	0
395	Midwestern U. (Downers Grove, IL)	30	0	0	30	0	0	0	0	0
396	Claremont McKenna C.	28	0	0	0	28	0	0	0	0
397	CUNY Medgar Evers C.	28	0	0	0	0	0	28	0	0
398	Vanguard U. Southern CA	27 i	10 i	0 i	10	2 i	0 i	0 i	0 i	5 i
399	Simmons C.	26	0	26	0	0	0	0	0	0
400	AR State U. main campus	25	0	0	0	25	0	0	0	0
401	Lewis & Clark C.	25	0	0	0	25	0	0	0	0
402	Western Carolina U.	23	0	0	23	0	0	0	0	0
403	CUNY New York City C. of Technology	22	0	0	0	22	0	0	0	0
404	DePaul U.	22	1	0	0	0	21	0	0	0
405	Occidental C.	21	0	0	0	21	0	0	0	0
406	Wesleyan U.	21	0	0	0	11	0	0	10	0
407	MO State U.	20	0	20	0	0	0	0	0	0
408	U. San Diego	20	0	0	0	0	0	0	0	20
409	U. of the Sciences Philadelphia	19	0	0	0	19	0	0	0	0
410	Benedictine U.	18	18	0	0	0	0	0	0	0

TABLE 31. Federally financed higher education R&D expenditures in non-S&E fields, ranked by all federal non-S&E R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
411	Haverford C.	17	0	0	0	0	0	0	17	0
412	U. SC Aiken	17 i	10 i	0 i	0	0 i	0 i	7 i	0 i	0 i
413	Weber State U.	17	17	0	0	0	0	0	0	0
414	Mt. Holyoke C.	16	0	2	0	14	0	0	0	0
415	Central CT State U.	15	0	0	15	0	0	0	0	0
416	Ft. Lewis C.	15	0	0	0	0	0	0	0	15
417	Christopher Newport U.	14	0	0	0	14	0	0	0	0
418	C. NJ, The	14	0	0	14	0	0	0	0	0
419	U. MN Duluth	14	0	0	0	0	0	0	0	14
420	Universidad del Este	13	0	0	13	0	0	0	0	0
421	St. Olaf C.	12	0	0	0	12	0	0	0	0
422	Swarthmore C.	12	0	0	12	0	0	0	0	0
423	U. WA Bothell	11	0	0	0	11	0	0	0	0
424	Pomona C.	10	0	0	0	10	0	0	0	0
425	West Chester U. PA	10 i	0 i	0 i	0	10 i	0 i	0 i	0 i	0 i
426	Bowdoin C.	9	0	0	0	9	0	0	0	0
427	Whitman C.	8	0	0	0	0	0	8	0	0
428	NM Highlands U.	7	0	0	0	0	0	6	0	1
429	C. of the Holy Cross	6	0	0	6	0	0	0	0	0
430	Grinnell C.	6	0	0	0	6	0	0	0	0
431	Lake Forest C.	6	0	0	0	6	0	0	0	0
432	NC Agricultural and Technical State U.	5	5	0	0	0	0	0	0	0
433	Morgan State U.	4	3	0	0	0	0	1	0	0
434	SUNY New Paltz	4	0	0	4	0	0	0	0	0
435	U. Detroit Mercy	4	4	0	0	0	0	0	0	0
436	CUNY C. Staten Island	3	0	0	0	3	0	0	0	0
437	Kalamazoo C.	3	0	0	0	3	0	0	0	0
438	U. Houston-Downtown	3	0	0	0	0	0	0	0	3
439	U. MN Rochester	3	0	0	0	0	0	0	0	3
440	U. SC Upstate	3 i	3 i	0 i	0	0 i	0 i	0 i	0 i	0 i
441	Millersville U. PA	2	0	0	2	0	0	0	0	0
442	PA State U. Altoona	2	0	0	2	0	0	0	0	0
443	Seattle U.	2 i	0 i	0 i	0	0 i	0 i	0 i	0 i	2 i
444	U. MN Morris	2	0	0	0	0	0	0	0	2
445	Marist C.	1 i	0 i	1 i	0	0 i	0 i	0 i	0 i	0 i

TABLE 31. Federally financed higher education R&D expenditures in non-S&E fields, ranked by all federal non-S&E R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	All non-S&E fields	Business and management	Communication, journalism, and library science	Education	Humanities	Law	Social work	Visual and performing arts	Other
446	Plymouth State U.	1 i	0 i	0 i	0	1 i	0 i	0 i	0 i	0 i
447	SC State U.	1	0	0	0	0	0	0	0	1
448	U. WI-Stevens Point	1	0	0	0	0	0	0	0	1

i = imputed.

S&E = science and engineering.

<sup>a</sup> Non-S&E data represent the federally financed higher education R&D expenditures in non-S&E fields for The Johns Hopkins University, excluding its Applied Physics Laboratory (APL). APL did not report non-S&E expenditures.

NOTES: Institutions reporting zero expenditures in ranked total for FY 2010 are not listed in this table. Tied institutions are ranked alphabetically. Institutions ranked are geographically separate campuses headed by a campus-level president or chancellor. Some campuses are part of large multicampus universities; some are part of state university systems. For complete listing of campuses that belong to a larger university or system and their aggregate R&D expenditures, see table C-2.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE 32. Higher education R&amp;D expenditures, by state, institutional control, and institution: FY 2003–10

(Dollars in thousands)

State, institutional control, and institution	2003	2004	2005	2006	2007	2008	2009	2010
Alabama								
Public								
AL A&M U.	36,856	17,430	16,075	14,431	13,672	8,959	14,752	30,497
AL State U.	1,633	1,688	1,900	1,900	1,900	2,461	17,164	16,340
Auburn U. main campus	NA	NA	NA	NA	NA	NA	NA	145,115
Auburn U. Montgomery	NA	NA	NA	NA	NA	NA	NA	351
Jacksonville State U.	ne	ne	1,110	1,476	705	ne	225	398
U. AL Birmingham, The	284,590	311,746	319,840	332,841	352,777	405,731	435,460	489,845
U. AL Huntsville, The	47,772	50,233	57,330	61,831	73,760	75,818	74,340	75,683
U. AL, The	34,537	35,427	34,770	35,642	36,807	33,477	36,889	40,762
U. South AL	19,371	20,096	19,431	19,729	26,181	29,895	32,882	35,500
Private								
Tuskegee U.	11,133	12,781	12,168	12,982	15,905	16,606	18,543	15,581
Alaska								
Public								
U. AK Anchorage	12,326	13,285	13,594	16,520	14,751	13,353	13,400	16,709
U. AK Fairbanks	129,717	133,251	140,594	154,441	155,147	149,313	157,600	161,986
U. AK Southeast	1171	968	639	808	1,406	2,444	1,861	1,759
Private								
AK Pacific U.	ne	ne	ne	ne	ne	309	414	434
Arizona								
Public								
AZ State U.	155,825	162,725	177,426	211,396	238,054	273,532	311,461	329,345
Northern AZ U.	18,996	20,809	23,047	27,892	27,030	26,160	26,723	28,803
U. AZ	456,983	482,502	531,898	538,086	533,450	547,197	566,334	586,647
Arkansas								
Public								
AR State U. main campus	2,641	4,581	4,070	6,034	7,552	6,899	8,715	11,115
AR Tech U.	684 i	842	299	292	327 i	327 i	357 i	477 i
U. AR main campus	90,990	96,663	107,974	109,609	113,773	115,397	117,448	113,909
U. AR for Medical Sciences	63,677	74,063	91,516	107,871	108,551	117,440	106,314	119,518
U. AR Little Rock	24,284	13,785	4,345	9,331	9,598 i	9,866	10,650	11,007
U. AR Pine Bluff	7,379	6,982	7,330	6,774	5,831	7,238	7,422	8,343
U. Central AR	3,229	3,559	3,950	7,002	7,036	1,638	1,515	2,670
Private								
Hendrix C.	580 i	642	624	685	375	679	648	656



TABLE 32. Higher education R&D expenditures, by state, institutional control, and institution: FY 2003–10

(Dollars in thousands)

State, institutional control, and institution	2003	2004	2005	2006	2007	2008	2009	2010
California								
Public								
CA Polytechnic State U., San Luis Obispo	14,026	9,883	11,515	12,956	14,970	15,196	19,857	19,732
CA State Polytechnic U., Pomona	3,922	4,059	2,765	2,502	2,466	1,750	1,682	6,493
CA State U., Bakersfield	4,985 i	5,626 i	15,190	15,743	1,908	1,898	2,225	2,083
CA State U., Chico	5,577	4,500	2,933	2,208 i	1,796 i	1,384	1,931	2,881
CA State U., Dominguez Hills	15,477	17,246	9,321	3,256	13,831	13,122	2,836	2,743
CA State U., East Bay	1,559	2,160	3,292	2,908	3,661	2,982	2,987	1,312
CA State U., Fresno	14,242	16,011	13,520	10,249	5,717	8,206	10,171	8,698
CA State U., Fullerton	5,318	7,431	7,515	7,893	7,115	9,038	14,898	21,776
CA State U., Long Beach	14,900	11,186	10,572	10,880	14,697	16,400	13,453	15,494
CA State U., Los Angeles	7,142	8,894	10,783	9,660	12,103	10,142	9,313	7,714
CA State U., Monterey Bay	2,644	3,392	4,045	4,107	7,032	6,275	6,204	5,305
CA State U., Northridge	24,000	28,043	21,266	17,140	21,866	20,574	20,822	29,469
CA State U., Sacramento	287 i	262 i	237 i	212 i	183	4,718	14,461	15,207
CA State U., San Bernardino	12,984	14,967	19,212	13,514	10,734	12,487	9,871	1,851
CA State U., San Marcos	ne	ne	ne	ne	ne	670	6,782	5,788
Humboldt State U.	6,028 i	6,185 i	6,342 i	6,500	7,087	8,808	15,261	9,845
Naval Postgraduate School	66,770	56,184 i	54,233	62,714	66,972	89,940	82,451	103,510
San Diego State U.	77,347	77,382	83,599	83,398	74,686	81,385	91,074	99,137
San Francisco State U.	12,500	42,903	24,008	28,307	27,244	21,382	25,323	25,615
San Jose State U.	42,947	44,120	48,624	49,267	47,256	52,408	55,213	38,241
Sonoma State U.	493	260	666	719	423	652	587	858
U. CA Office of the President	NA	90,233	97,245	128,992	119,109	100,189	83,108	72,542
U. CA, Berkeley	507,186	525,598	554,551	563,837	570,252	620,374	682,568	694,049
U. CA, Davis	482,145	511,757	546,978	576,096	604,512	647,691	687,690	679,915
U. CA, Irvine	234,656	257,024	276,763	306,257	316,178	334,279	336,345	327,594
U. CA, Los Angeles	849,357	772,569	785,625	841,352	854,497	904,840	923,916	936,995
U. CA, Merced	na	na	4,468	7,931	11,600	17,403	22,013	21,591
U. CA, Riverside	112,468	110,627	122,221	135,603	139,960	139,319	139,536	130,288
U. CA, San Diego	646,508	708,690	721,035	757,157	801,823	844,877	883,653	943,219
U. CA, San Francisco	671,443	728,321	754,444	796,149	842,840	885,182	947,697	935,509
U. CA, Santa Barbara	149,130	151,325	165,014	179,857	200,504	214,441	227,221	225,730
U. CA, Santa Cruz	78,448	94,297	105,617	134,458	147,396	162,100	170,461	143,919
Private								
CA Institute of Technology	240,664	261,098	265,364	270,354	287,343	274,671	345,400	362,172
Chapman U.	1,016	965	839	2,068	2,064	1,519	2,225	3,830
Charles R. Drew U. of Medicine and Science	49,888	51,994	43,231	47,188	52,118	49,224	57,604	22,152
Claremont Graduate U.	4,459	5,755	6,068	6,713	6,661	6,102	4,275 i	7,116
Claremont McKenna C.	ne	ne	ne	ne	678 i	669 i	741 i	5,725
Fuller Theological Seminary	734 i	952 i	1,174	729	885	442	598	384

TABLE 32. Higher education R&amp;D expenditures, by state, institutional control, and institution: FY 2003–10

(Dollars in thousands)

State, institutional control, and institution	2003	2004	2005	2006	2007	2008	2009	2010
Harvey Mudd C.	3,062 i	2,180	1,852	2,301	2,767	3,005	2,701	3,214
Loma Linda U.	26,296	29,651	29,898	32,451	28,020	35,890	37,557	35,990
Loyola Marymount U.	674	1,052	911	2,112	2,726	3,561	4,897	4,557
Mills C.	ne	ne	ne	550 i	575 i	560 i	2,926	1,679
Mt. St. Mary's C. (Los Angeles, CA)	ne	492	570	581	515	307	548	647
Occidental C.	2,633	2,371 i	2,109	1,449	1,652	2,110	2,625	2,289
Pepperdine U.	0	ne	ne	ne	ne	557	877	2,672
Pitzer C.	351	320	213	276	271	223	252	347
Pomona C.	2,206	2,571	2,430	3,181	3,806	4,244	3,234	2,924
Santa Clara U.	3,364 i	ne	3,613 i	3,700 i	3,814 i	3,986	4,066	3,816
Scripps Research Institute, The	NA	307,910	330,170	367,375	360,511	366,047	382,275	387,298
Stanford U.	618,370	684,414	728,044	692,263	702,497	698,883	717,022	839,839
Touro U.-CA	ne	ne	ne	ne	ne	ne	1,305	1,600
U. Redlands	1,972	2,086	2,591	1,178	1,341	1,519	1,726	1,317
U. San Diego	1,046	895	1,922	1,033	1,348	1,484	2,383	2,934
U. San Francisco	990	1,535	1,245	1,317	1,714	1,736	1,804	2,124
U. Southern CA	439,306	449,615	470,104	475,696	528,466	540,366	556,807	592,791
U. of the Pacific	1,877	3,190	4,896	6,209	6,068	8,551	6,879	6,120
Vanguard U. Southern CA	ne	ne	ne	ne	ne	359	311 i	319 i
Western U. of Health Sciences	1,005	1,330	946	1,575	1,696	1,891	2,156	1,786
Colorado								
Public								
CO School of Mines	29,162	27,087	26,499	28,729	29,939	34,050	40,117	44,879
CO State U.	202,441	224,215	244,303	267,453	296,020	302,613	311,720	302,896
CO State U. Pueblo	628	1,086	663	1,323	151	323	328	413
Ft. Lewis C.	231	227	519	770	243	258 i	273	392
Mesa State C.	ne	ne	ne	ne	ne	1,012	1,145	1,799
U.S. Air Force Academy	27,479	31,422	30,115	10,547	16,345	45,445	50,452	62,097
U. CO Boulder	217,560	239,104	265,447	254,805	267,314	272,191	299,892	349,449
U. CO Colorado Springs	2,109	3,527	4,350	4,509	8,090	9,861	9,545	9,088
U. CO Denver and Health Sciences Ctr.	227,799	249,838	253,444	260,292	264,739	269,805	364,659	389,461
U. Northern CO	2,781	2,794	3,299	3,232	2,181	2,294	2,924	2,607
Private								
CO C.	2,069	917 i	516 i	ne	ne	2,144	587	671
U. Denver	13,778	17,439	16,526	14,585	14,178	14,657	16,727	15,748
Connecticut								
Public								
Central CT State U.	417	419	921	687	663	479	305	776
Southern CT State U.	2,911	3,751	4,528	2,295 i	3,118	3,448	4,096	3,840
U.S. Coast Guard Academy	1,166	866	660	553	1,027	803	497	680

TABLE 32. Higher education R&amp;D expenditures, by state, institutional control, and institution: FY 2003–10

(Dollars in thousands)

State, institutional control, and institution	2003	2004	2005	2006	2007	2008	2009	2010
U. CT	193,591	215,098	223,192	225,274	233,774	233,246	232,944	237,908
Private								
CT C.	1,092 i	1,224 i	1,461	1,146	1,097	867	1,844	1,532
Fairfield U.	5,243	6,907	7,611	6,979	7,721	8,591	9,454	9,294
Trinity C. (Hartford, CT)	887	800	1,244	613	972	709	958	1,875
U. Hartford	1,336	1,136	1,360	1,633	3,457	7,183	7,120	1,137
Wesleyan U.	7,289	8,158	8,536	8,619	8,657	8,177	7,518	8,397
Yale U.	388,154	423,664	432,806	462,080	451,318	490,913	512,997	623,510
Delaware								
Public								
DE State U.	4,479	4,678 i	5,909	7,642	7,729	8,384	9,924	15,200
U. DE	101,523	111,580	112,591	116,982	120,431	126,971	126,788	153,311
District of Columbia								
Public								
U. DC	4,125	4,693	4,426	5,065	5,165	5,629	3,958	5,012
Private								
American U.	3,082	1,992	1,671	3,843	13,107	15,742	35,194	39,747
Catholic U. America, The	25,878	24,854	22,754	18,412	20,484	20,767	20,400	21,454
Gallaudet U.	6,920	6,311	6,779	6,710	8,387	4,005 i	4,490 i	7,652
George Washington U.	109,275	122,202	130,405	135,931	149,413	181,688	103,793	196,917
Georgetown U.	122,424	131,387	127,288	122,135	140,710	144,957	151,064	159,355
Howard U.	37,577	41,539	41,913	36,817	38,583	38,010	34,714	40,080
Florida								
Public								
FL A&M U.	38,655	45,023	28,506	36,824	17,695	25,515	27,018	53,474
FL Atlantic U.	35,904	23,805	27,797	30,393	46,055	49,410	56,127	56,472
FL Gulf Coast U.	ne	9,479	11,660	12,333	11,805	11,664	10,905	13,906
FL International U.	69,985	72,724	87,720	84,697	108,015	107,025	101,322	110,271
FL State U.	189,679	201,883	207,968	209,857	211,310	211,557	237,794	237,864
New C. FL	287	380	314	ne	ne	ne	ne	660
U. Central FL	100,777	132,822	121,699	122,879	141,140	147,092	148,809	117,985
U. FL	439,908	458,749	564,221	599,749	635,956	632,680	644,241	681,548
U. North FL	5,485	4,890	5,636	6,413	8,412	9,847	6,141	8,041
U. South FL	NA	NA	NA	NA	NA	NA	NA	385,029
U. South FL Polytechnic	NA	NA	NA	NA	NA	NA	NA	642
U. South FL Sarasota-Manatee	NA	NA	NA	NA	NA	NA	NA	732
U. South FL St. Petersburg	NA	NA	NA	NA	NA	NA	NA	4,425
U. West FL	25,364	10,193	19,029	13,376	14,903	14,137	13,288	17,757

TABLE 32. Higher education R&amp;D expenditures, by state, institutional control, and institution: FY 2003–10

(Dollars in thousands)

State, institutional control, and institution	2003	2004	2005	2006	2007	2008	2009	2010
Private								
Barry U.	ne	ne	ne	ne	ne	697	875	897
Eckerd C.	ne	317 i	334 i	ne	ne	547	541	327
Embry-Riddle Aeronautical U.	6,729	9,385	14,629	10,628 i	7,930	7,004	10,899	12,189
FL Institute of Technology	8,067	7,838	7,920	8,990	7,732	9,232	11,523	12,054
Jacksonville U.	ne	ne	ne	337	486	396	393	335
Nova Southeastern U.	4,752	5,139	5,789	6,445	6,697	7,603	9,018	10,116
U. Miami	178,917	195,918	211,201	215,491	212,532	244,067	250,339	280,671
Georgia								
Public								
Albany State U.	2,178	2,619	2,091	1,455	1,331	2,441	1,206	740
Armstrong Atlantic State U.	ne	ne	ne	ne	ne	ne	671	2,681
Ft. Valley State U.	2,892	2,596	2,497	2,570	2,610	3,311	3,262	5,310
GA Institute of Technology	364,864	411,548	427,067	444,959	476,138	524,888	565,487	615,833
GA Southern U.	6,748	4,510	5,301	6,332	6,600	4,204	4,739	3,704
GA State U.	54,848	56,161	61,651	64,624	65,900	94,429	78,920	81,015
Kennesaw State U.	300	648	713	690	954	1,084	790	1,854
Medical C. GA	56,398	58,808	67,278	61,174	60,001	57,085	65,473	72,015
North GA C. & State U.	ne	ne	ne	ne	ne	ne	181	197
Savannah State U.	2,150 i	2,094	2,421	2,342	2,301	1,902	1,651	1,874
Southern Polytechnic State U.	ne	ne	ne	ne	321	572	599	435
U. GA	321,420	334,241	337,467	342,763	351,935	369,546	369,997	230,803
U. West GA	1,494	1,477	1,817	1,492	1,622	1,912	1,522	1,749
Private								
Agnes Scott C.	ne	ne	ne	ne	ne	ne	840	1,884
Clark Atlanta U.	12,804	13,590	12,823	11,155	8,543	7,486	7,861	8,515
Emory U.	330,314	314,849	337,154	349,867	412,503	463,317	459,067	529,453
Mercer U.	14,996	18,437	20,042	19,622	18,163	19,739	21,974	27,298
Morehouse C.	3,276 i	3,417 i	4,112	6,301	5,709	5,274	6,993	7,857
Morehouse School of Medicine	27,154	33,317	30,652	28,378	27,886	27,077	27,392	30,385 i
Spelman C.	2,298	2,558	2,862	3,191	3,847	2,219	3,164	3,181
Hawaii								
Public								
U. HI Hilo	9,894	11,225	16,653	18,564	16,674	14,500	20,202	14,857
U. HI Manoa	179,285	236,368	230,651	250,694	266,447	271,835	290,707	303,085
Idaho								
Public								
Boise State U.	7,583	9,126	9,168	8,997	11,520	11,592	12,305	18,731
ID State U.	12,733	14,743	20,137	17,119	20,569	21,627	21,405	20,495

TABLE 32. Higher education R&amp;D expenditures, by state, institutional control, and institution: FY 2003–10

(Dollars in thousands)

State, institutional control, and institution	2003	2004	2005	2006	2007	2008	2009	2010
U. ID	85,847	94,652	93,127	88,284	83,690	82,489	89,242	87,207
Illinois								
Public								
Chicago State U.	1,155	1,493 i	1,832	2,119	2,124	1,960	5,645	1,598
Eastern IL U.	378 i	504 i	630 i	756 i	8,706	8,816	9,405	751
Governors State U.	201 i	214 i	475	992	1,377	1,373	1,402	1,220
IL State U.	6,103	5,776	7,079	6,298	7,528	7,110	8,727	18,417
Northeastern IL U.	2,294	2,959	5,263	5,509	5,777	6,006	4,607	711
Northern IL U.	14,407	12,918	14,787	21,048	21,483	21,179	27,938	27,036
Southern IL U. Carbondale	53,314	54,227	57,760	75,564	65,074	67,435	66,658	69,924
Southern IL U. Edwardsville	46,465	39,183	39,914	42,457	44,650	47,268	49,139	31,781
U. IL Chicago	295,765	317,302	322,468	337,180	344,815	339,704	347,118	362,939
U. IL Springfield	2,558	2,211	2,128	1,923	2,328	2,450	2,030	2,096
U. IL Urbana-Champaign	519,213	533,249	524,680	494,748	492,347	518,333	581,805	515,133
Western IL U.	11,336	10,054	8,690	7,554	7,085	4,597	3,642	1,221
Private								
Augustana C. (Rock Island, IL)	247	627	391	371	212 i	ne	455	465
Benedictine U.	ne	ne	ne	ne	ne	228	209	186
Bradley U.	1,768	1,656	1,613	1,913	1,880	1,792	1,652	1,151
DePaul U.	3,086	3,854	4,817	4,581	3,545	3,324	3,830	4,889
IL Institute of Technology	26,525	24,364	28,081	24,654	26,740	25,289	25,709	36,554
IL Wesleyan U.	ne	ne	376	522	1,043	1,713	890	707
Lake Forest C.	271	800	395	451	549	453	478	533
Loyola U. Chicago	38,160	37,525	41,876	38,611	35,420	35,307	36,519	43,903
Midwestern U. (Downers Grove, IL)	2,725	2,816	3,204	2,786	2,358	2,697	3,457	3,626
National U. of Health Sciences	620	401	165	597	797	795	693	950
Northwestern U.	342,178	382,021	413,526	449,782	473,060	518,572	555,510	603,732
Rosalind Franklin U. of Medicine and Science	9,923	10,614	11,920	10,981	12,199	12,128	13,375	12,426
Rush U.	89,196	89,254	83,693	83,194	84,370	89,513	96,975	73,398
U. Chicago	251,090	274,794	296,817	308,557	325,161	360,047	381,194	437,721
Indiana								
Public								
Ball State U.	3,878	10,733	11,370	13,178	12,743	15,461	16,644	20,477
IN State U.	1,369	1,914	1,594	2,402	1,837	1,898	1,513	1,541
IN U. Bloomington	NA	NA	NA	NA	NA	NA	NA	177,520
IN U. South Bend	NA	NA	NA	NA	NA	NA	NA	1,070
IN U. Southeast	NA	NA	NA	NA	NA	NA	NA	408
IN U.-Purdue U. Ft. Wayne	NA	NA	NA	NA	NA	NA	NA	8,523
IN U.-Purdue U. Indianapolis	NA	NA	NA	NA	NA	NA	NA	296,194
Purdue U. main campus	NA	NA	NA	NA	NA	NA	NA	548,980

TABLE 32. Higher education R&amp;D expenditures, by state, institutional control, and institution: FY 2003–10

(Dollars in thousands)

State, institutional control, and institution	2003	2004	2005	2006	2007	2008	2009	2010
Purdue U. Calumet	NA	NA	NA	NA	NA	NA	NA	14,014
Purdue U. North Central	NA	NA	NA	NA	NA	NA	NA	1,349
Private								
DePauw U.	ne	383 i	404 i	426 i	426 i	445	595	503
Rose-Hulman Institute of Technology	14,493	8,531	6,656	6,826	4,891	3,824	3,405	1,482
U. of Notre Dame	65,658	78,428	75,566	82,137	82,272	103,311	104,866	110,369
Valparaiso U.	356	551	488	699	763	866	780	791
Wabash C.	ne	3,294	3,727	3,688	3,963	4,484	4,279	3,200
Iowa								
Public								
IA State U.	204,916	218,370	215,848	227,585	221,002	228,167	228,526	250,120
U. IA	298,212	320,441	343,043	356,169	374,905	300,422	334,937	444,034
U. Northern IA	1,821	2,939	2,862	1,549	4,150	3,237	2,453	3,064
Private								
Coe C.	ne	ne	ne	ne	553	571	286	457
Des Moines U.	676	676	787 i	899	796	1,002	867	855
Drake U.	1,115 e	2,055	2,145	2,112	1,969	1,652	1,021	1,033
Grinnell C.	1,230	1,638	1,131	912	1,181	1,185	746	2,069
Luther C.	ne	ne	ne	ne	ne	447	338	342
Palmer C. of Chiropractic	ne	ne	ne	ne	ne	3,340	3,415	4,693
Kansas								
Public								
Haskell Indian Nations U.	ne	ne	ne	ne	ne	687	2,083	978
KS State U.	114,327	121,394	126,826	126,960	126,864	141,535	151,376	160,679
Pittsburg State U.	1,914	2,116	2,547	2,823	2,577	2,083	2,163	1,759
U. KS	184,287	194,440	208,285	214,768	219,535	227,433	236,544	267,961
Wichita State U.	35,326	44,525	53,182	37,934	53,392	60,640	75,655	51,524
Kentucky								
Public								
Eastern KY U.	506	482	1,314	4,307	6,580	5,370	2,324	3,531
KY State U.	7,309	26,765	3,100	3,883	3,770	4,671	5,189	4,912
Morehead State U.	1,663	1,500	2,266	1,369	1,768	2,822	1,789	2,145
Murray State U.	2,808	4,078	3,529	3,379	2,565	2,370	1,734	3,396
Northern KY U.	531	985	1,519	2,027	1,843	1,791	1,878	2,316
U. KY	284,326	310,470	319,900	337,646	348,835	345,355	360,254	359,944
U. Louisville	93,924	119,156	139,942	148,246	163,434	164,123	167,178	189,090
Western KY U.	4,594	5,919	6,833	9,090	10,404	8,855	9,138	9,943

TABLE 32. Higher education R&amp;D expenditures, by state, institutional control, and institution: FY 2003–10

(Dollars in thousands)

State, institutional control, and institution	2003	2004	2005	2006	2007	2008	2009	2010
Louisiana								
Public								
Grambling State U.	2,218	1,934	2,249	711	428	822	818 i	993
LA State U. and A&M C.	208,480	224,595	238,813	256,248	266,895	280,081	294,780	289,872
LA State U. Health Sciences Ctr. New Orleans	81,807	95,777	93,595	79,927	91,498	60,007	59,111	59,776
LA State U. Medical Ctr. Shreveport	ne	ne	ne	ne	ne	33,458	31,293	30,817
LA State U. Shreveport	417	553	439	872	1,165	870	870	1,359
LA Tech U.	17,644	19,634	18,612	18,095	17,190	22,768	21,458	26,020
McNeese State U.	743	834	681	441	462	1,158	1,215	1,077
Nicholls State U.	770	1,225	2,118	1,758	1,233	1,172	1,864	2,590
Northwestern State U.	427 i	438 i	449 i	460	371	1,547	1,390	1,464
Southeastern LA U.	919	1,681	1,743	2,242	1,732	2,358	1,712	2,561
Southern U. Baton Rouge	5,314 i	4,317	4,333 i	4,350	5,590	6,701	6,865	6,865
Southern U. New Orleans	587	556	592	592	154	197	505	402
U. LA Lafayette	49,087	61,076	52,139	55,427	60,203	65,462	75,474	69,412
U. LA Monroe	5,849 i	6,965	5,524	5,636	5,795	18,061	6,130	2,884
U. New Orleans	28,511	25,122	35,061	26,520	28,972	27,917	30,801	35,021
Private								
Dillard U.	668	1,069	1,401 i	2,123 i	4,684	1,991	6,513	8,425
Loyola U. New Orleans	513 i	540 i	631	477	568	947	746	595
Tulane U.	118,164	129,776	143,899	118,828	140,321	165,678	163,572	165,513
Xavier U. LA	5,515	5,585	4,784 i	4,139	4,532	5,253	5,693	8,029
Maine								
Public								
U. ME	69,710	82,325	75,815	93,867	100,072	96,755	101,344	111,282
U. Southern ME	10,705 i	13,818 i	16,931 i	20,971	35,725	48,891	48,255	16,358
Private								
Bates C.	1,340	1,006	1,282	1,697	1,232	976	1,129	1,590
Bowdoin C.	1,779	2,123	2,326	2,446	2,304	2,028	1,990	2,627
Colby C.	1,438	1,203	1,456	1,635	1,294	1,369	1,695	1,782
St. Joseph's C. (Standish, ME)	ne	ne	ne	ne	ne	ne	276	317
U. New England	ne	ne	ne	1,528	2,162	1,743	2,162	3,560
Maryland								
Public								
Frostburg State U.	ne	ne	ne	ne	ne	ne	215	521
Morgan State U.	7,509	8,580	9,544	13,523	11,257	12,336	12,433	12,804
Salisbury U.	ne	ne	ne	ne	ne	ne	ne	3,503
St. Mary's C. MD	495	491	459	417	419	275	338	342
Towson U.	1,651	626	2,046	1,054	1,098	2,357	4,101	3,052

TABLE 32. Higher education R&amp;D expenditures, by state, institutional control, and institution: FY 2003–10

(Dollars in thousands)

State, institutional control, and institution	2003	2004	2005	2006	2007	2008	2009	2010
Uniformed Services U. of the Health Sciences	30,604	89,999	78,694	67,716	71,307	106,179	192,268	134,126
U.S. Naval Academy	3,451	6,317	6,847	7,102	8,204	9,314	10,781	11,093
U. Baltimore	ne	ne	12,443	8,506	2,397	5,442	6,063	4,229
U. MD Baltimore	297,271	317,293	304,396	405,260	358,851	379,407	359,542	374,036
U. MD Baltimore County	42,988	50,065	59,105	68,205	71,201	72,057	81,056	87,156
U. MD Ctr. for Environmental Science	38,344	39,631	41,022	40,146	40,720	40,556	41,670	42,670
U. MD College Park	344,346	350,773	362,461	368,989	371,696	405,569	417,365	451,415
U. MD Eastern Shore	6,127	5,439	5,568	4,609	3,522	6,015	7,504	8,692
Private								
Goucher C.	123 i	ne	ne	ne	217	292	269	485
Johns Hopkins U., The <sup>a</sup>	1,244,132	1,375,014	1,458,426	1,512,066	1,566,392	1,691,469	1,866,243	2,004,482
Loyola C.	1,216	1,303	2,047	1,551 i	3,069	1,122	520	648
Massachusetts								
Public								
Bridgewater State C.	452	269	329	561	657	851	614	587
Fitchburg State C.	107 i	ne	165	165	ne	ne	185	174
U. MA Amherst	115,490	124,783	134,097	140,184	146,323	156,817	160,666	169,143
U. MA Boston	17,872	16,553	19,418	22,347	37,441	38,018	47,028	56,416
U. MA Dartmouth	17,012	18,757	21,133	20,389	20,120	20,925	20,669	25,725
U. MA Lowell	24,542	23,935	25,745	29,383	36,117	40,873	56,664	59,345
U. MA Worcester	148,823	169,090	176,349	156,452	157,469	178,614	204,033	232,039
Private								
Amherst C.	3,027 e	3,383	3,610	4,709	4,384	5,906	4,984	3,628
Boston C.	32,158	32,158 e	33,732	38,309	41,710	44,413	45,795	50,537
Boston U.	227,861	244,359	251,198	261,632	253,899	259,045	284,507	352,817
Brandeis U.	53,885	54,757	56,435	59,250	58,925	51,686	65,586	71,006
Clark U.	7,956	7,956 e	6,410	7,349	6,640	7,049	8,223	7,111
C. of the Holy Cross	492	692	511	1,281	1,046	988	1,513	1,275
Hampshire C.	2,754	3,188	2,723	1,145	1,119	1,015	994	569
Harvard U.	441,984	489,798	498,219	506,987	493,920	505,832	525,452	583,361
MA C. of Pharmacy and Health Sciences	1,043	457	574 i	691	585	538	337	232
MA Institute of Technology	505,369	561,418	597,007	623,343	637,621	682,058	759,649	677,138
Mt. Holyoke C.	3,575	3,274	3,563	2,784	3,570	3,522	2,972	2,788
New England C. of Optometry	2,166	2,297	1,870	1,711	1,356	1,604	1,596	1,457
Northeastern U.	42,931	47,283	70,001	72,329	78,220	66,315	67,174	79,949
Simmons C.	1,771	1,486	1,230	1,270	958	686	696	440
Smith C.	3,592	3,687	4,140	5,146	4,401	4,865	5,152	4,613
Tufts U.	116,363	131,407	136,602	133,628	135,868	145,169	154,575	156,106
Wellesley C.	10,280	11,239	9,425	8,408	8,803	8,735	8,385	8,422
Williams C.	3,295	3,130	3,459	4,074	3,983	4,084	4,907	4,691



TABLE 32. Higher education R&amp;D expenditures, by state, institutional control, and institution: FY 2003–10

(Dollars in thousands)

State, institutional control, and institution	2003	2004	2005	2006	2007	2008	2009	2010
Woods Hole Oceanographic Institution	104,223	114,087	117,517	121,888	137,410	150,720	157,289	181,746
Worcester Polytechnic Institute	12,357	14,097	14,736	15,345	14,308	15,887	15,645	18,613
Michigan								
Public								
Central MI U.	2,808	5,976	5,263	4,664	5,082	4,928	5,758	7,483
Eastern MI U.	5,560	6,856	7,020	6,908	5,547	6,100	8,118	14,133
Grand Valley State U.	2,807	5,019	3,776	3,792	4,938	6,301	3,925	5,044
MI State U.	343,481	348,166	361,807	388,845	395,611	392,242	405,961	431,373
MI Technological U.	30,264	35,670	41,337	44,200	56,640	60,356	60,395	63,471
Northern MI U.	400 i	424 i	448 i	472 i	500	984	871	910
Oakland U.	6,696	6,821	6,654	9,554	9,038	9,812	11,275	12,856
Saginaw Valley State U.	667	505	577	706	904	623	823	873
U. MI-Ann Arbor	NA	NA	NA	NA	NA	NA	NA	1,184,445
U. MI-Dearborn	NA	NA	NA	NA	NA	NA	NA	6,779
U. MI-Flint	NA	NA	NA	NA	NA	NA	NA	693
Wayne State U.	220,746	233,132	231,000	225,034	238,738	253,604	257,207	254,492
Western MI U.	34,335	22,414	24,801	25,470	25,779	26,649	22,579	26,391
Private								
Andrews U.	631	864	1,007	1,279	1,448	1,283	855	1,195
Calvin C.	2,320	2,753	2,887	2,752	2,917	4,267	4,160	5,010
Hope C.	1,457	2,213	2,060	2,926	2,603	2,605	2,321	3,596
Kalamazoo C.	474 i	519	484	604	341	327	476	755
Kettering U.	1,295	661	1,758	3,473	2,209	3,689	4,454	6,880
Lawrence Technological U.	471	988	1,033	2,393	2,337	1,905	2,146	3,952
U. Detroit Mercy	568	568 e	507 i	588	480 i	ne	1,498	1,148
Minnesota								
Public								
MN State U. Mankato	784	929	567	1,174	1,309	1,832	3,180	3,837
St. Cloud State U.	2,329	3,372	6,267	5,872	6,461	7,262	8,218	4,184
U. MN Duluth	NA	NA	NA	NA	NA	NA	NA	21,150
U. MN Morris	NA	NA	NA	NA	NA	NA	NA	672
U. MN Rochester	NA	NA	NA	NA	NA	NA	NA	248
U. MN Twin Cities	NA	NA	NA	NA	NA	NA	NA	786,074
Winona State U.	ne	ne	ne	ne	1,773	1,520	772	375
Private								
Carleton C.	2,135	2,111	2,504	2,538	2,718	2,917	3,865	4,575
Concordia C.	ne	ne	ne	ne	ne	758	546	617
Gustavus Adolphus C.	566 i	739	523	496	221	201	214	310
Macalester C.	2,758	3,132	2,857	3,145	3,178	3,250	3,403	4,389
Northwestern Health Sciences U.	ne	ne	ne	820	1,289	1,361	1,762	1,779

TABLE 32. Higher education R&D expenditures, by state, institutional control, and institution: FY 2003–10

(Dollars in thousands)

State, institutional control, and institution	2003	2004	2005	2006	2007	2008	2009	2010
St. John's U. (Collegeville, MN)	ne	ne	ne	ne	ne	1,057	616	640
St. Olaf C.	710	516	643	859	1,060	1,321	1,067	1,574
U. of St. Thomas (St. Paul, MN)	537	531	516	452	789	1,207	1,100	1,330
Mississippi								
Public								
Alcorn State U.	7,619	7,622	6,256	6,593	9,056	11,665	13,064	10,280
Jackson State U.	28,843	31,641	35,876	38,273	36,888	42,739	44,884	44,862
MS State U.	173,352	199,560	184,612	196,119	211,271	219,017	225,426	231,675
MS Valley State U.	636	493	606	794	844	951	1,063	1,029
U. MS and U. MS Medical Ctr.	91,148	88,649	101,350	105,029	117,522	99,413	100,102	110,020
U. Southern MS	35,838	36,858	38,766	40,845	48,595	47,582	47,205	42,059
Private								
Millsaps C.	ne	ne	150 i	471	588	612	655 i	722
Tougaloo C.	789 i	680 i	571 i	461	2,616	3,460	2,983	2,978
Missouri								
Public								
Lincoln U. (Jefferson City, MO)	2,601	2,181	2,656	5,395	5,573	6,263	8,011	8,475
MO State U.	7,084	4,677	6,538	5,385	9,424	9,313	11,396	7,770
MO U. of Science and Technology	39,505	46,388	40,832	39,274	31,168	36,533	35,672	42,263
Truman State U.	521	588	524	1,031	593	760	701	882
U. MO-Columbia	212,156	227,592	234,334	231,170	244,429	251,894	253,527	238,500
U. MO-Kansas City	34,636	35,208	34,282	27,572	30,944	28,892	28,657	30,163
U. MO-St. Louis	16,434	14,684	14,022	13,587	13,214	14,374	15,665	14,628
Private								
A. T. Still U. of Health Sciences	691	839	1,206	1,439	826	1,179	623	1,253
Kansas City U. of Medicine and Biosciences	1,020	1,110	987	1,218	1,302	1,428	992	685
St. Louis U.	41,263	41,263 e	47,356	48,248	56,921	59,236	38,075	46,839
Washington U. St. Louis	474,951	492,998	535,642	551,333	575,846	566,378	630,141	695,974
Montana								
Public								
MT State U. Billings	ne	ne	694 i	1,214	1,136	1,402	695	598
MT State U. Bozeman	96,530	103,556	118,188	121,534	124,833	130,120	126,844	135,084
MT Tech of the U. MT	6,886	6,790	7,000	7,843	7,142	7,883	8,395	7,424
U. MT-Missoula, The	44,525	52,156	55,795	53,333	56,119	58,557	59,791	63,540
U. MT Western, The	ne	ne	ne	ne	ne	ne	ne	301
Private								
Salish Kootenai C.	ne	ne	ne	ne	ne	446	626	880

TABLE 32. Higher education R&amp;D expenditures, by state, institutional control, and institution: FY 2003–10

(Dollars in thousands)

State, institutional control, and institution	2003	2004	2005	2006	2007	2008	2009	2010
Nebraska								
Public								
U. NE Kearney	691	953	982	1,198	1,824	1,277	1,515	1,655
U. NE-Lincoln	200,833	207,839	214,053	228,976	229,496	244,869	251,195	191,268
U. NE Medical Ctr.	85,007	98,736	123,263	108,012	111,751	112,887	123,629	138,219
U. NE Omaha	7,461	7,806	9,119	8,737	7,769	6,541	8,015	8,951
Private								
Creighton U.	24,116	25,451	27,022	25,615	28,374	26,872	27,104	27,700
Nevada								
Public								
Desert Research Institute	31,757	34,783	34,570	38,511	40,238	38,045	36,490	34,367
U. NV, Las Vegas	43,824	45,429	49,564	58,618	57,768	53,320	41,652	44,457
U. NV, Reno	81,484	84,917	97,306	100,643	99,286	104,841	109,151	95,423
New Hampshire								
Public								
Plymouth State U.	ne	ne	ne	ne	ne	1,507	1,173	1,253 i
U. NH	103,688	112,185	115,976	121,952	120,463	121,092	117,546	115,562
Private								
Dartmouth C.	155,795	173,508	179,107	200,329	192,846	188,122	190,425	194,141
New Jersey								
Public								
C. NJ, The	2,313 i	1,940 i	1,567 i	2,509	832	786	1,785	850
Montclair State U.	1,008 i	1,128	1,511	1,693	1,341	1,405	1,733	2,255
NJ City U.	326	273	4,933	ne	ne	ne	307	188
NJ Institute of Technology	73,664	74,998	76,920	77,583	88,699	89,792	92,891	92,318
Rowan U.	8,124	8,780	7,881	7,360	7,569	6,338	6,950	6,434
Rutgers, the State U. NJ-Camden	NA	NA	NA	NA	NA	NA	NA	3,574
Rutgers, the State U. NJ-New Brunswick	NA	NA	NA	NA	NA	NA	NA	428,432
Rutgers, the State U. NJ-Newark	NA	NA	NA	NA	NA	NA	NA	27,745
U. of Medicine & Dentistry NJ	190,763	209,134	239,778	245,771	236,834	230,347	223,796	230,235
William Paterson U. NJ	ne	ne	ne	ne	385 i	789	1,017	1,051
Private								
Fairleigh Dickinson U.	286	ne	ne	ne	209 i	219 i	229 i	254
Monmouth U.	316 i	547 i	779	1,716	1,766	1,545	1,576	2,195
Princeton U.	187,735	199,068	212,723	195,148	198,945	204,489	212,510	242,570
Rider U.	912	1,276	1,096	1,287	1,330	1,410	1,550	1,671
Seton Hall U.	1,899	3,543	10,131	6,546	8,035	6,812	15,427	4,003
Stevens Institute of Technology	18,334 i	30,154	31,059	33,600	34,383	30,493	28,660	35,544

TABLE 32. Higher education R&D expenditures, by state, institutional control, and institution: FY 2003–10

(Dollars in thousands)

State, institutional control, and institution	2003	2004	2005	2006	2007	2008	2009	2010
New Mexico								
Public								
NM Highlands U.	6,598	6,187	5,313	5,144	2,992	3,945	4,696	1,529
NM Institute of Mining and Technology	37,186	38,476	56,134 i	73,792	83,742	79,437	81,742	51,696
NM State U.	111,010	94,278	126,450	168,502	152,104	141,523	154,363	157,872
U. NM	158,239	170,085	182,871	186,047	181,734	202,694	205,831	211,771
New York								
Public								
CUNY Baruch C.	1,305	1,623	2,691	2,853	2,484	3,449	2,546	2,616
CUNY Brooklyn C.	15,248	5,374	4,166	5,215	5,868	5,030	5,486	6,846
CUNY C. Staten Island	2,602	2,845	2,682	2,391	3,618	3,275	3,409	3,290
CUNY Graduate Ctr.	3,068	9,784	9,918	9,220	9,779	10,395	10,118	11,562
CUNY Herbert H. Lehman C.	4,044	3,409	4,109	4,810	5,256	3,739	3,423	3,579 i
CUNY Hunter C.	36,214	38,436	37,075	36,039	31,023	34,644	37,349	38,900
CUNY John Jay C. of Criminal Justice	971	1,598	1,317	1,484	2,884	4,085	6,487	5,916
CUNY Medgar Evers C.	897	696	842	725	555	326	365	658
CUNY New York City C. of Technology	ne	ne	ne	ne	ne	458	208	231
CUNY Queens C.	7,431	6,983	7,628	7,462	9,840	11,989	13,115	16,845
CUNY The City C.	18,759	28,232	29,826	31,071	33,712	35,096	37,538	46,699
Farmingdale State C.	ne	ne	ne	ne	ne	ne	ne	253
SUNY Albany	125,001	208,157	264,581	277,841	309,438	271,187	341,624	359,364
SUNY Binghamton	33,161	25,701	25,919	29,966	37,382	62,959	71,912	72,057
SUNY Buffalo	249,967	268,515	275,334	304,757	323,417	339,575	349,423	349,670
SUNY C. Brockport	757	755	659	839	1,025	706	651	831
SUNY C. Buffalo	2,735	2,840	1,977	1,699	1,318	1,625	2,390	1,935
SUNY C. Cortland	689	709	991	937	480	355	342	527
SUNY C. Geneseo	1,553	999	1,193	1,181	1,833	2,394	2,293	1,373
SUNY C. of A&T Cobleskill	ne	ne	ne	ne	ne	ne	ne	1,414
SUNY C. of A&T Morrisville	ne	ne	ne	ne	ne	ne	ne	233
SUNY C. of Environmental Science and Forestry	26,783	19,419 i	12,054	17,954 i	23,854	26,359	20,513	26,916
SUNY C. of Optometry	3,187	2,435	2,481	1,913	2,231	2,238	2,670	3,529
SUNY C. Old Westbury	1,352	1,326	1,612	1,838	1,700	1,768	1,108	1,197 i
SUNY C. Oneonta	ne	ne	ne	ne	ne	205	341	336
SUNY C. Oswego	1,210	2,055	1,010	1,034	1,093	1,026	1,020	783
SUNY C. Plattsburgh	4,613	4,950	5,754	5,666	2,877	495	1,470	1,664
SUNY C. Potsdam	ne	ne	ne	ne	ne	ne	325	511
SUNY Fredonia	310	252	234	307	320	355	278	513
SUNY Health Science Ctr. Brooklyn	30,680 i	30,207 i	29,732	31,064	29,809	32,299	29,184	32,512
SUNY Institute of Technology at Utica-Rome	ne	ne	ne	ne	ne	ne	ne	713
SUNY New Paltz	ne	ne	ne	ne	ne	193	209	251

TABLE 32. Higher education R&D expenditures, by state, institutional control, and institution: FY 2003–10

(Dollars in thousands)

State, institutional control, and institution	2003	2004	2005	2006	2007	2008	2009	2010
SUNY Stony Brook	201,167	219,486	212,698	236,095	268,541	190,712	189,299	204,728
SUNY Upstate Medical U.	25,931	32,090	34,931	37,181	39,699	36,359	33,194	43,824
U.S. Military Academy	6,435 i	6,864 i	7,293 i	7,722 i	8,526	10,549	9,563	22,171
Private								
Adelphi U.	105 i	ne	ne	151 i	1,185	1,992	1,509	360
Albany C. of Pharmacy	894	855	2,565	2,307	3,248	3,486	2,808	3,074
Albany Medical C.	13,394	15,562	15,465	16,227	15,029	15,108	17,776	22,953
Alfred U.	6,360	6,947	8,551	6,383	5,510	5,595	3,991	4,524
Barnard C.	1,520	1,520 e	3,159	2,742	2,772	2,824	2,972	3,353
Canisius C.	320 i	356 i	392 i	497	284	189	186	221
Clarkson U.	7,466	14,869	13,826	16,176	17,257	17,724	15,047	18,584
Colgate U.	1,425	1,927	1,308	2,060	2,406	2,953	2,819	2,851
Columbia U. in the City of New York	437,669	468,484	535,424	529,946	545,996	548,704	604,660	807,235
Cooper Union, The	502	150	173	ne	171	161	270	371
Cornell U.	555,614	577,093	608,811	650,592	645,791	655,641	672,692	749,721
Daemen C.	ne	ne	ne	ne	2,317	1,915	1,876	1,613
Dowling C.	ne	ne	ne	ne	1,566	1,109 i	651	200
Fordham U.	5,119	3,768	5,198	12,525	13,268	16,492	15,676	19,289
Hamilton C.	2,754	2,581	2,677	2,849	2,860	1,943	2,453	3,192
Hobart and William Smith Colleges	ne	ne	ne	ne	792	1,475	1,593	1,434
Hofstra U.	678 i	695 i	712 i	3,011	2,950	3,065	3,888	2,552
Ithaca C.	2,217	2,196	1,847	1,689	1,503	1,504	1,120	1,077
Long Island U.	1,769	1,377	1,684	2,914	2,853 i	2,875	2,955 i	3,406 i
Manhattan C.	257 e	381 i	1,177	1,121	441 i	378	361	498
Marist C.	ne	ne	520 i	545 i	ne	1,146	1,185	671
Mercy C.	ne	ne	339 i	618	401	342	448	464
Mt. Sinai School of Medicine	203,853	212,786	225,293	273,216	269,451	296,380	318,407	370,666
New School, The	3,435	5,642	5,889	6,950	7,795	2,703	3,843	5,178
NY Institute of Technology	1,928 i	3,476	3,505	3,613	2,708	2,084	2,197	1,785
NY Medical C.	30,492	33,521	32,460	34,397	34,365	31,644	30,584	28,400
NY U.	241,593	259,333	310,014	304,022	319,728	337,093	338,839	365,944
Niagara U.	ne	ne	ne	ne	ne	ne	731	1,090
Pace U.	1,922 e	2,995	2,722	2,452	2,295	2,541	1,721	3,085
Polytechnic U.	11,271 i	20,579	24,845	24,329	23,766	13,673	9,547	10,601
Rensselaer Polytechnic Institute	51,271	57,555	65,921	71,382	77,679	77,967	78,188	83,952
Rochester Institute of Technology	19,259	20,711	24,309	24,703	24,106	27,025	33,393	38,663
Rockefeller U.	192,143	192,222	198,719	215,417	233,917	247,505	252,478	265,750
Sarah Lawrence C.	ne	ne	ne	568	566	293	211	158
Siena C.	ne	ne	ne	630 i	585 i	589	1,140	1,061
Skidmore C.	632	785	1,138	772	726	782	1,411	2,850
St. Bonaventure U.	ne	ne	ne	ne	ne	ne	1,501	1,727

TABLE 32. Higher education R&amp;D expenditures, by state, institutional control, and institution: FY 2003–10

(Dollars in thousands)

State, institutional control, and institution	2003	2004	2005	2006	2007	2008	2009	2010
St. John's U. (Jamaica, NY)	1,442 i	1,571 i	8,373	8,539	1,922	1,759	1,701	1,643
Syracuse U.	36,027	52,016	48,227	53,784	58,342	62,098	79,950	107,024
Teachers C., Columbia U.	13,418	12,930	13,296	13,113	14,561	17,104	18,399	17,167
Union C. (Schenectady, NY)	2,086	4,068	2,571	1,992	2,086	2,557	1,865	1,984
U. Rochester	288,477	315,079	348,278	369,487	377,016	378,368	398,187	414,655
Vassar C.	1,392 i	1,230 i	1,068 i	958	625	1,126	1,160	1,280
Yeshiva U.	177,236	183,253	193,104	189,416	192,199	197,311	193,010	314,240
North Carolina								
Public								
Appalachian State U.	1,515	884	1,462	2,422	3,359	3,851	3,135	2,898
East Carolina U.	12,951	13,811	14,563	14,539	16,372	16,880	24,922	23,995
Elizabeth City State U.	1,103	1,070	947	717	1,904	2,982	3,421	5,576
Fayetteville State U.	7,006	9,586	8,509	632	8,124	8,647	10,541	11,865
NC Agricultural and Technical State U.	17,323	19,543	22,993	23,948	24,138	29,036	28,615	35,297
NC Central U.	4,121 i	4,945 i	5,769 i	6,597	4,337	6,323	5,379	6,870
NC State U.	286,025	292,720	302,596	330,936	333,027	367,422	383,193	360,795
U. NC Asheville	1,236	2,007	3,612	3,333	5,456	4,177	2,994	2,671
U. NC Chapel Hill	394,386	420,773	447,984	448,509	484,160	530,515	651,308	755,284
U. NC Charlotte	13,718	19,225	20,307	22,656	26,974	25,196	29,272	31,814
U. NC Greensboro	16,174	16,880	16,016	13,724	13,574	16,451	19,811	22,436
U. NC Pembroke	ne	ne	ne	258	329	239	187	408
U. NC Wilmington	13,552	14,862	21,431	14,212	17,603	20,326	18,287	23,143
Western Carolina U.	671	9,145	1,543	3,253	3,173	3,996	3,094	2,376
Private								
Davidson C.	293 i	294 i	295 i	560	965	1,342	2,018	1,493
Duke U.	520,794	521,994	632,358	658,783	783,784	769,893	807,652	983,289
Shaw U.	3,285	3,293	3,759	3,735	3,632	4,049	3,837	3,600 i
Wake Forest U.	130,405	133,753	185,668	183,843	186,175	200,750	201,701	192,034
North Dakota								
Public								
Mayville State U.	ne	ne	185	243	224	224	224	275
Minot State U.	ne	ne	ne	ne	ne	ne	614	795
ND State U.	93,003	102,412	103,248	104,505	107,337	116,327	114,260	126,419
U. ND	42,205	49,864	47,024	56,301	63,298	65,185	71,858	76,560
Ohio								
Public								
Air Force Institute of Technology	12,454	13,306	15,091	19,394	17,173	20,527	27,458	31,259
Bowling Green State U.	7,336	8,318	10,542	11,990	9,667	11,390	8,562	8,124
Central State U.	1,169 i	1,372 i	1,579	2,320	2,320	2,553	3,308	3,233

TABLE 32. Higher education R&amp;D expenditures, by state, institutional control, and institution: FY 2003–10

(Dollars in thousands)

State, institutional control, and institution	2003	2004	2005	2006	2007	2008	2009	2010
Cleveland State U.	14,925	18,092	22,415	16,076	17,819	15,027	14,345	34,235
Kent State U.	17,776	16,283	15,157	16,506	22,201	26,168	27,275	26,331
Miami U.	13,727	15,377	18,026	19,229	23,729	25,052	29,808	26,521
Northeastern OH Universities C. of Medicine	4,364	5,601	5,703	5,294	4,984	9,165	10,077	10,819
OH State U.	549,205	551,268	643,283	663,012	737,324	726,302	743,591	755,194
OH U.	37,527	39,618	44,593	39,167	39,008	38,984	43,097	50,440
U. Akron	28,477	27,996	27,897	28,675	27,399	27,415	34,853	52,884
U. Cincinnati	262,350	285,200	296,113	304,815	344,526	359,011	369,906	411,269
U. Toledo	24,133	28,076	33,002	32,745	54,342	61,082	67,464	70,399
Wright State U.	34,995	38,213	40,409	47,749	49,798	47,803	48,215	48,575
Youngstown State U.	1,423	1,851	1,386	1,314	734	1,478	2,082	4,523
Private								
Case Western Reserve U.	256,270	235,072	324,502	374,714	379,347	420,441	418,012	418,164
C. Wooster	413	281	570	966	1,047	707	938	988
Denison U.	632	415	395 i	405	366	395	438 i	620 i
John Carroll U.	1,530	2,297	3,980	4,042	4,067	2,231	1,724	1,154
Kenyon C.	ne	ne	ne	ne	ne	558	338	414
Oberlin C.	471	381	1,059	810	773	726	869	1,985
OH Northern U.	ne	ne	ne	ne	ne	ne	169	308
OH Wesleyan U.	284	371 i	459	396	376	239	290	335
U. Dayton	55,152	66,158	70,178	72,070	76,166	83,293	95,043	93,309
Wilberforce U.	80	411 i	742 i	1,073 i	1,405	879	600	760
Oklahoma								
Public								
Langston U.	4,332	3,578	4,371	4,416	4,405	4,025	4,114	4,492
Northeastern State U.	1,286	1,035 i	1,929	1,861	729	627	791	707
OK State U. main campus	NA	NA	NA	NA	NA	NA	NA	147,094
OK State U. Ctr. for Health Sciences	NA	NA	NA	NA	NA	NA	NA	4,398
OK State U. Tulsa	NA	NA	NA	NA	NA	NA	NA	158
Southeastern OK State U.	231	435	485	487	360	316	159	192
Southwestern OK State U.	ne	ne	ne	ne	266	ne	254	428
U. Central OK	180	157	216	841	406	865	935	1,786
U. OK	179,914	163,962	182,436	186,349	187,454	204,765	213,720	218,089
Private								
U. Tulsa	12,233	16,000	13,640	13,209	16,218	15,576	13,769	23,387
Oregon								
Public								
Eastern OR U.	261	430	834	1,373	649	610	563	200
OR Health & Science U.	197,178	254,447	266,687	272,174	287,430	301,396	309,675	314,990
OR State U.	208,125	207,201	217,998	227,693	231,895	233,358	257,564	216,595

TABLE 32. Higher education R&D expenditures, by state, institutional control, and institution: FY 2003–10

(Dollars in thousands)

State, institutional control, and institution	2003	2004	2005	2006	2007	2008	2009	2010
Portland State U.	21,548	21,548 e	29,371	32,308	30,203	35,705	44,574	56,533
Southern OR U.	741	836	3,301	3,083	3,792	906	584	826
U. OR	51,772	60,104	61,058	66,602	71,362	78,934	86,371	94,107
Western OR U.	ne	ne	ne	ne	ne	ne	541	2,255
Private								
Lewis & Clark C.	981	782	989	1,738	2,315	2,206	1,270 i	2,753
Pacific U.	825	622 i	1,663	763	793	818	1,267	1,849
Reed C.	1,181	1,295	1,237	1,118	1,220	1,291	1,096	1,904
U. Portland	742	894	860	1,299	1,396	1,307	1,507	1,205
Western States Chiropractic C.	ne	ne	ne	ne	ne	907	810	996
Willamette U.	951	769	573	647	697	869	1,465	2,059
Pennsylvania								
Public								
Cheyney U. PA	209 i	228 i	247 i	278	274	487	529	725
Indiana U. PA	841	2,368	1,201	485	626	1,306	1,726	1,376
Lincoln U. of the Commonwealth of PA	704	526	526	606	450	948	683	1,425
Millersville U. PA	601 i	636 i	671 i	706 i	884	ne	552	523
PA State U. Altoona	NA	NA	NA	NA	NA	NA	NA	671
PA State U. Beaver	NA	NA	NA	NA	NA	NA	NA	848
PA State U. Berks	NA	NA	NA	NA	NA	NA	NA	155
PA State U. Erie, The Behrend C.	NA	NA	NA	NA	NA	NA	NA	3,265
PA State U. Great Valley School of Graduate Professional Studies	NA	NA	NA	NA	NA	NA	NA	275
PA State U. Harrisburg	NA	NA	NA	NA	NA	NA	NA	2,734
PA State U. University Park and Hershey Medical Ctr.	NA	NA	NA	NA	NA	NA	NA	770,449
PA State U. Worthington-Scranton	NA	NA	NA	NA	NA	NA	NA	152
Temple U.	72,671	78,682	86,646	84,114	90,773	99,815	111,421	124,528
U. Pittsburgh main campus	412,320	466,557	526,458	535,186	564,994	599,800	629,088	822,491
West Chester U. PA	4,379	4,786	3,701	1,468	2,649	3,893	3,064	3,052 i
Private								
Allegheny C.	974	1,044	777	655	822	759	633	505
Arcadia U.	ne	ne	324 i	334 i	2,450	2,426	1,849	1,649
Bryn Mawr C.	4,719	7,417	5,717	4,889	4,640	7,658	7,296	7,476
Bucknell U.	2,200	1,872	1,869	3,255	2,404	2,934	4,538	5,456
Carnegie Mellon U.	189,154	207,772	202,244	213,338	198,139	210,988	217,687	222,790
Dickinson C.	2,079	2,795	2,615	1,688	2,920	2,204	2,364	2,109
Drexel U.	72,346	78,279	93,323	97,675	98,010	103,558	105,020	118,349
Duquesne U.	7,907	9,745	10,172	10,515	11,175	11,982	11,856	15,804
Elizabethtown C.	ne	ne	ne	ne	ne	ne	302	514
Franklin & Marshall C.	1,100	1,444	2,423	1,843	2,168	2,333	2,895	3,770



TABLE 32. Higher education R&D expenditures, by state, institutional control, and institution: FY 2003–10

(Dollars in thousands)

State, institutional control, and institution	2003	2004	2005	2006	2007	2008	2009	2010
Gettysburg C.	ne	ne	776	524	516	595	675	814
Haverford C.	1,428	1,679	1,259	967	1,182	1,397	1,870	3,620
Juniata C.	530	898	721	289	346	384	516	511
La Salle U.	362	488	ne	843	3,208	3,824	2,851	1,298
Lafayette C.	2,490	2,190	1,718	1,799	1,551	2,002	1,898	2,089
Lehigh U.	29,211	32,048	38,886	35,046	38,307	38,190	34,352	37,332
Mercyhurst C.	ne	ne	ne	1,699	1,559	1,840	1,975	2,040
Muhlenberg C.	ne	ne	230	437	526	512	550	488
Philadelphia C. of Osteopathic Medicine	836	961	973	1,034	1,754	1,390	1,223	1,278
Philadelphia U.	ne	ne	227 i	858	848	645	700	1,200
Salus U.	1,226	1,509	1,149	1,642	1,587	1,851	1,380	1,359
St. Francis U.	ne	ne	4,981	4,114	3,677	3,147	2,915	2,923
St. Joseph's U.	2,888	3,730	6,394	7,379	6,801	5,217	2,782	2,918
Swarthmore C.	2,327	2,801	2,676	3,051	2,137	2,526	3,067	2,984
Thomas Jefferson U.	109,083	112,078	107,388	106,986	107,288	99,275	101,188	103,064
U. PA	584,395	618,915	677,386	696,443	668,105	740,410	758,159	836,322
U. Scranton	2,709	1,606	1,426	1,032	640	415	490	240
U. of the Sciences Philadelphia	453	544	704	1,260	1,449	1,777	1,800	1,964
Ursinus C.	ne	ne	ne	757	626	796	565	540
Villanova U.	6,479 i	7,477 i	8,475 i	9,473 i	10,962	9,484	9,919 i	11,433 i
Washington and Jefferson C.	ne	ne	ne	ne	ne	1,517	1,741	1,327
Wilkes U.	432	300	ne	231	300	254	202	420
Rhode Island								
Public								
U. RI	61,818	60,947	60,252	70,696	76,237	78,871	84,989	90,016
Private								
Brown U.	125,090	150,117	162,919	195,710	175,623	182,596	187,380	335,838
Providence C.	223	286	782	733	795	797	852	917
Roger Williams U.	ne	959	1,479	1,922	1,466	1,159	1,204	1,967
South Carolina								
Public								
Clemson U.	159,504	165,139	180,262	184,940	216,959	200,789	193,924	174,693
Coastal Carolina U.	1,002	1,331	818	1,417	1,231	2,160	1,575	2,404
C. Charleston	4,607	5,470	5,891	7,454	7,707	6,695	6,022	14,218
Medical U. SC	150,551	163,179	178,086	176,055	184,624	189,369	216,778	224,632
SC State U.	3,225	3,548	3,796	3,796	3,796	8,123	8,535	7,167
U. SC Aiken	NA	NA	NA	NA	NA	NA	NA	337
U. SC Beaufort	NA	NA	NA	NA	NA	NA	NA	462
U. SC Columbia	NA	NA	NA	NA	NA	NA	NA	229,145
U. SC Upstate	NA	NA	NA	NA	NA	NA	NA	261

TABLE 32. Higher education R&amp;D expenditures, by state, institutional control, and institution: FY 2003–10

(Dollars in thousands)

State, institutional control, and institution	2003	2004	2005	2006	2007	2008	2009	2010
Private								
Benedict C.	5,366	1,035	1,494	1,498	1,778	1,549	1,337	1,533
Claflin U.	293	255	222	930	1,261 i	1,592	3,328	3,252
Furman U.	1,136	1,556	1,477	1,433	1,042	1,367	1,885	2,311
South Dakota								
Public								
Black Hills State U.	ne	1,767	4,156	3,075	3,132	2,922	2,549	2,883
SD School of Mines and Technology	10,853	10,626	13,347	12,589	14,480	16,503	14,373	28,572
SD State U.	27,660	30,990	32,389	33,496	39,564	48,063	55,584	67,552
U. SD	11,149	15,524	18,919	22,892	21,473	22,742	34,690	30,616
Private								
Augustana C. (Sioux Falls, SD)	324	288	644	892	807	843	811	912
Sinte Gleska U.	ne	ne	1,042	1,552	1,314	1,418	2,758	630
Tennessee								
Public								
East TN State U.	13,207	8,029	8,350	8,188	8,269	8,485	9,445	9,869
Middle TN State U.	2,265	2,706	2,633	2,407	2,486	3,340	3,468	4,793
TN State U.	15,080	15,696	15,263	14,693	12,982	12,571	12,581	12,432
TN Technological U.	9,813	9,000	9,752	9,986	12,499	12,351	14,823	16,754
U. Memphis, The	49,859	61,473	68,505	56,686	57,264	56,075	54,970	49,517
U. TN Chattanooga	5,602	6,642	10,294	7,838	5,991	8,602	8,303	10,749
U. TN Knoxville	212,352	222,017	246,000	241,779	242,798	248,289	286,755	291,787
U. TN Martin	1,616	2,021	2,077	1,098	1,164	1,085	1,092	1,164
Private								
Fisk U.	3,350	5,000	6,600	6,600	6,600	2,851	5,265	7,700
Le Moyne-Owen C.	0 i	ne	ne	150 i	ne	ne	396	708
Meharry Medical C.	25,427	27,507	29,105	32,878	33,218	34,152	26,587	27,001
Rhodes C.	281 i	282 i	345	478	517	537	694	804
Vanderbilt U.	280,686	322,634	357,141	389,026	415,750	444,873	455,835	504,959
Texas								
Public								
Angelo State U.	ne	ne	ne	677	744	906	1,223	1,088
Lamar U.	4,029	3,388	3,375	3,277	4,243	4,928	5,376	5,829
Midwestern State U.	ne	ne	ne	ne	ne	ne	183	348
Prairie View A&M U.	11,456	11,194	12,089	11,521	12,036	10,800	11,556	12,565
Sam Houston State U.	2,404 i	1,832 i	1,365	3,141	2,812	4,553	8,617	7,555
Stephen F. Austin State U.	5,492	4,108	4,830	8,225	7,316	7,867	8,345	9,127
Sul Ross State U.	866	1,058	2,375	2,676	3,056	2,549	2,698	3,039
Tarleton State U.	8,856	9,026	10,235	10,128	9,232	9,476	11,835	10,763

TABLE 32. Higher education R&amp;D expenditures, by state, institutional control, and institution: FY 2003–10

(Dollars in thousands)

State, institutional control, and institution	2003	2004	2005	2006	2007	2008	2009	2010
TX A&M International U.	ne	ne	250	ne	ne	482	1,870	2,428
TX A&M U.	472,197	470,324	494,262	508,787	565,631	604,526	651,923	689,624
TX A&M U.-Commerce	519	621	1,056	1,118	1,879	1,796	2,613	2,679
TX A&M U.-Corpus Christi	11,250	13,238	10,925	12,827	13,178	12,289	13,858	17,266
TX A&M U.-Kingsville	10,549	11,424	13,888	13,785	14,381	14,495	16,217	17,378
TX A&M U. System Health Science Ctr.	55,031	64,170	73,162	76,109	77,957	79,688	83,631	82,839
TX Southern U.	3,873	4,648	5,089	5,294	4,564	4,858	4,992	7,003
TX State U.-San Marcos	9,110	10,450	8,896	9,496	10,320	19,309	24,497	30,560
TX Tech U.	94,084	57,942	57,998	59,929	59,439	60,165	92,058	133,360
TX Tech U. Health Sciences Ctr.	NA	19,827	18,697	22,013	21,006	24,716	37,363	51,282
TX Woman's U.	2,998	2,233	1,927	2,079	2,132	2,322	2,351	2,271
U. Houston	66,261	65,692	87,936	80,984	78,381	87,691	102,917	119,811
U. Houston-Clear Lake	1,747	1,226	1,383	1,234	1,249	1,023	1,244	1,279
U. Houston-Downtown	678	669	453	509	175	298	528	1,013
U. North TX	19,395	17,124	16,799	18,285	15,981	18,066	24,120	31,496
U. North TX Health Science Ctr.	15,388	18,520	22,325	25,124	28,187	28,179	29,582	38,862
U. TX Arlington	15,239	19,375	29,155	29,408	33,324	48,475	55,005	71,414
U. TX Austin	376,403	382,393	453,113	476,958	502,786	553,051	566,166	589,502
U. TX Brownsville	ne	ne	ne	ne	ne	5,923	6,004	6,886
U. TX Dallas	30,748	31,274	43,111	44,198	46,477	59,300	65,804	82,044
U. TX El Paso	32,430	35,706	37,985	42,882	47,410	50,603	59,983	68,870
U. TX Health Science Ctr. Houston	149,294	147,328	152,631	175,154	191,724	197,252	217,623	240,772
U. TX Health Science Ctr. San Antonio	133,304	137,039	142,375	150,040	160,282	201,323	221,535	207,115
U. TX M. D. Anderson Cancer Ctr.	315,169	353,034	383,780	457,696	496,539	558,503	578,788	599,529
U. TX Medical Branch	153,122	166,798	174,254	179,915	183,492	180,026	184,845	188,399
U. TX of the Permian Basin	ne	ne	ne	ne	1,646	3,043	1,442	1,417
U. TX Pan American	3,193	4,309	5,816	6,791	7,209	8,479	8,971	8,693
U. TX San Antonio	14,548	16,516	23,606	32,317	32,321	34,601	46,521	56,279
U. TX Southwestern Medical Ctr. Dallas	276,692	314,403	320,800	333,237	341,090	390,349	402,087	419,220
U. TX Tyler	ne	ne	502	914	1,444	3,426	3,297	5,679
West TX A&M U.	6,221	5,503	4,573	5,816	5,502	6,332	6,526	7,346
Private								
Abilene Christian U.	267	238	273	281	347	337	417	662
Baylor C. of Medicine	461,763	476,075	458,694	462,375	438,280	449,301	449,031	447,874
Baylor U.	6,071	7,172	8,415	8,105	10,794	12,655	14,035	10,925
Jarvis Christian C.	410	317	ne	881	ne	ne	566	216
LeTourneau U.	ne	ne	ne	ne	410	449	491	773
Rice U.	52,899	61,629	63,769	67,045	72,112	74,720	79,431	97,903
Southern Methodist U.	10,670	12,129	14,439	15,823	16,985	22,902	16,741	18,742
St. Mary's U. (San Antonio, TX)	300	512	405	183	623	785	319	495
TX Christian U.	5,260	5,535	5,849	5,564	5,536	5,007	6,213	5,306

TABLE 32. Higher education R&D expenditures, by state, institutional control, and institution: FY 2003–10

(Dollars in thousands)

State, institutional control, and institution	2003	2004	2005	2006	2007	2008	2009	2010
Trinity U.	935	1,428	1,418	1,232	1,273	1,546	1,308	1,446
Wiley C.	298	322	211	ne	ne	286	375	575
Utah								
Public								
U. UT	224,768	231,757	246,132	249,719	248,864	254,632	334,002	379,200
UT State U.	140,654	156,466	134,223	142,935	142,784	148,257	145,240	149,169
Weber State U.	ne	ne	ne	ne	ne	ne	777	983
Private								
Brigham Young U.	24,277	26,820	26,990	30,013	29,635	28,988	29,901	32,997
Vermont								
Public								
U. VT	105,917	114,570	116,279	122,814	114,172	116,463	122,991	129,856
Private								
Middlebury C.	1,587	1,647 i	1,707 i	1,767 i	3,501	1,789	1,852	2,292
St. Michael's C.	ne	ne	ne	ne	ne	ne	673	644
Virginia								
Public								
Christopher Newport U.	2,688	2,091	1,941	789	709	845	1,045	1,110
C. of William and Mary and VA Institute of Marine Science	51,367	57,520	57,867	60,813	59,894	63,400	59,638	57,461
George Mason U.	55,162	54,763	57,373	60,168	61,068	76,838	85,306	84,120
James Madison U.	4,509	5,495	5,031	4,802	5,818	5,922	5,988	7,038
Norfolk State U.	4,532	6,313	6,786	5,305	6,542	7,893	6,885	5,944
Old Dominion U.	34,152	38,922	56,956	65,357	73,549	87,594	96,186	97,176
Radford U.	294	210	ne	663	ne	362	521	680
U. VA main campus	NA	NA	NA	NA	NA	NA	NA	276,308
U. VA's C. Wise, The	NA	NA	NA	NA	NA	NA	NA	481
VA Commonwealth U.	139,422	145,726	161,801	167,748	151,197	171,637	162,283	197,709
VA Military Institute	947	566	738	892	701	1,173	1,340	849
VA Polytechnic Institute and State U.	249,148	270,794	292,519	325,318	370,805	375,773	399,433	398,169
VA State U.	7,209	5,953	5,225	10,220	10,495	8,991	9,637	7,466
Private								
Eastern VA Medical School	32,801	33,798	33,721	33,013	31,453	30,777	36,678	44,420
Hampton U.	18,673	31,645	43,124	28,819	24,017	21,089	12,847	14,455
Roanoke C.	861	1,159	1,169	1,454	1,189	1,201	1,282	1,379 i
U. Richmond	1,535	1,743	2,716	2,469	2,560	3,458	3,969	4,052
Washington and Lee U.	473 i	482 i	565	447	330	305	857	939

TABLE 32. Higher education R&D expenditures, by state, institutional control, and institution: FY 2003–10

(Dollars in thousands)

State, institutional control, and institution	2003	2004	2005	2006	2007	2008	2009	2010
Washington								
Public								
Central WA U.	6,486	11,926	10,383	7,013	9,803	9,574	6,967	5,159
Eastern WA U.	1,284	1,847	2,208	2,778	2,570	2,622	2,236	3,266
Evergreen State C.	511	354	647	548	739	636	672	902
U. WA Bothell	NA	NA	NA	NA	NA	NA	NA	630
U. WA Seattle	NA	NA	NA	NA	NA	NA	NA	1,022,740
U. WA Tacoma	NA	NA	NA	NA	NA	NA	NA	872
WA State U.	175,789	175,142	185,282	203,542	213,262	283,086	301,080	304,352
Western WA U.	9,544	6,124	7,039	8,526	8,058	7,816	8,579	10,571
Private								
Bastyr U.	ne	ne	ne	ne	ne	ne	1,485	1,572
Gonzaga U.	0	ne	ne	ne	ne	844	705	1,249
Northwest Indian C.	ne	ne	ne	ne	ne	ne	2,538	2,426
Pacific Lutheran U.	370 i	413 i	456 i	499 i	567	474	1,060	425
Seattle Pacific U.	ne	ne	ne	ne	150 i	ne	949	684
Seattle U.	681 i	1,189	764	930 i	1,096 i	1,935	1,400	1,259 i
U. Puget Sound	367 i	584	441	513	590	434	325	461
Whitman C.	619	839	595	421	311	1,170	494	1,415
West Virginia								
Public								
Marshall U.	16,503	21,757	23,606	19,957	22,755	23,022	23,645	24,501
West Liberty State C.	ne	ne	ne	508	579	516	535	1,645
WV School of Osteopathic Medicine	188	245	270	266	349	520	510	594
WV State U.	975 i	1,433	2,537	2,467	2,765	4,362	4,017	3,770
WV U.	109,474	110,344	117,274	124,046	138,800	145,107	145,656	154,926
Private								
Wheeling Jesuit U.	4,204 i	4,904 i	5,604 i	6,304 i	7,328	9,390	11,551	9,398
Wisconsin								
Public								
U. WI-Eau Claire	1,238	1,139	1,245	1,304	1,409	1,167	1,705	1,950
U. WI-Green Bay	1,268	1,787	1,615	1,604	1,227	1,111	1,047	1,219
U. WI-La Crosse	3,195	3,428	3,509	3,062	3,650	3,370	3,349	4,141
U. WI-Madison	777,270	830,122	875,722	904,787	912,219	944,626	1,013,649	1,029,295
U. WI-Milwaukee	36,978	37,382	42,974	45,219	52,523	52,443	56,196	71,181
U. WI-Oshkosh	1,622	1,876	1,594	1,413	1,396	1,724	1,373	1,556
U. WI-Parkside	768	826	749	601	451	500	501	541
U. WI-Platteville	336 i	391 i	447	605	540	511	685	681
U. WI-River Falls	336	349	353	438	297	345	496	441
U. WI-Stevens Point	2,056	2,166	1,994	2,375	3,182	3,325	4,002	6,766

TABLE 32. Higher education R&D expenditures, by state, institutional control, and institution: FY 2003–10

(Dollars in thousands)

State, institutional control, and institution	2003	2004	2005	2006	2007	2008	2009	2010
U. WI-Stout	1,604	1,344	594	447	487	476	418	388
U. WI-Superior	1,057	1,156	1,154	1,847	2,502	2,180	3,855	5,890
U. WI-Whitewater	348	538	636	631	552	654	753	718
Private								
Lawrence U.	454 i	459 i	464 i	517	375	405	483	784
Marquette U.	13,632	9,982	10,616	11,051	9,917	10,602	10,470	14,310
Medical C. WI	108,608	139,235	143,540	147,140	158,171	165,529	176,237	191,816
Milwaukee School of Engineering	2,448	3,146	2,628	2,933	3,740	4,156	4,245	3,944
Wyoming								
Public								
U. WY	60,054	60,054	83,742	89,707	80,041	76,711	79,684	55,319
Guam								
Public								
U. GU	6,989	9,458	8,531 i	7,604	7,059	6,106	5,834	5,555
Puerto Rico								
Public								
U. PR Cayey	ne	ne	ne	ne	861	1,224	1,735	927
U. PR Humacao	ne	3,382	3,551	4,449	5,225	2,135	1,967	2,161 i
U. PR Mayaguez	21,899	18,386	21,792	22,337	21,738	20,094 i	20,991	26,475
U. PR Medical Sciences Campus	31,124	34,092	35,809	38,424	38,863	35,570	41,668	39,134
U. PR Rio Piedras	12,081	13,071	21,432	22,623	22,345	35,665	31,592	30,515
Private								
Carlos Albizu U. (San Juan, PR)	ne	ne	ne	497	418	310	157	165
Ponce School of Medicine	7,491	10,140	7,840	7,654	9,103	7,686	7,085	8,934
Universidad Central del Caribe	8,274	9,797	9,181	8,790	9,446	8,243	7,484	7,122
Universidad del Este	ne	ne	ne	432	407	416	709	1,372
Universidad del Turabo	ne	ne	150 i	864	417	532	423	6,620
Universidad Metropolitana	ne	ne	2,677 i	298	248	505	597	1,888
Virgin Islands								
Public								
U. of the VI	15,762	17,874	16,735	17,495	17,842	18,099	22,019	32,350

e = estimated; data were not provided by institution, so prior-year data were used or current-year estimates were reported. i = imputed. na = not applicable; institution did not exist or did not exist as separate entity. NA = not available; institution was not surveyed separately. ne = not eligible; institution did not meet criteria for inclusion.

<sup>a</sup> The Johns Hopkins University includes Applied Physics Laboratory, with \$1,079,931 in total R&D expenditures in FY 2010.

NOTE: From FY 2003 through FY 2009, some institution totals for all R&D expenditures may be lower-bound estimates because National Science Foundation did not attempt to estimate for nonresponse on non-science and engineering R&D expenditures item.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey.

TABLE 33. Higher education R&D expenditures, by state, institutional control, institution, and source of funds: FY 2010

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
United States	61,234,893	37,487,673	3,853,598	3,209,441	3,764,291	11,897,220	1,022,670
Public	41,180,094	23,341,706	3,384,422	2,092,634	2,334,969	9,278,201	748,162
Private	20,054,799	14,145,967	469,176	1,116,807	1,429,322	2,619,019	274,508
Alabama	850,072	541,353	42,085	32,720	28,488	199,605	5,821
Public	834,491	529,044	40,465	32,720	28,488	199,360	4,414
AL A&M U.	30,497	22,154	1,601	330	180	4,988	1,244
AL State U.	16,340	13,340	0	0	0	3,000	0
Auburn U. main campus	145,115	53,971	33,586	4,177	1,234	49,245	2,902
Auburn U. Montgomery	351	174	11	0	0	166	0
Jacksonville State U.	398	133	0	153	0	112	0
U. AL Birmingham, The	489,845	325,103	760	22,660	26,565	114,757	0
U. AL Huntsville, The	75,683	73,075	503	769	NA	1,336	0
U. AL, The	40,762	26,364	3,443	2,735	103	7,849	268
U. South AL	35,500	14,730	561	1,896	406	17,907	0
Private	15,581	12,309	1,620	0	0	245	1,407
Tuskegee U.	15,581	12,309	1,620	0	0	245	1,407
Alaska	180,888	110,530	10,262	6,015	3,262	49,448	1,371
Public	180,454	110,247	10,231	5,895	3,262	49,448	1,371
U. AK Anchorage	16,709	9,368	1,292	164	637	5,202	46
U. AK Fairbanks	161,986	99,657	8,780	5,731	2,537	43,956	1,325
U. AK Southeast	1,759	1,222	159	0	88	290	0
Private	434	283	31	120	0	0	0
AK Pacific U.	434	283	31	120	0	0	0
Arizona	944,795	495,429	60,562	31,942	53,800	274,010	29,052
Public	944,795	495,429	60,562	31,942	53,800	274,010	29,052
AZ State U.	329,345	172,202	23,198	11,734	28,174	91,895	2,142
Northern AZ U.	28,803	15,070	5,708	590	1,651	5,784	0
U. AZ	586,647	308,157	31,656	19,618	23,975	176,331	26,910
Arkansas	267,695	125,977	59,611	10,968	2,191	57,128	11,820
Public	267,039	125,511	59,599	10,964	2,141	57,004	11,820
AR State U. main campus	11,115	6,194	3,920	96	91	814	0
AR Tech U.	477 i	250 i	45 i	17 i	6 i	159 i	0 i
U. AR main campus	113,909	33,674	48,242	7,634	1,725	21,981	653
U. AR for Medical Sciences	119,518	72,217	4,931	3,051	0	28,184	11,135
U. AR Little Rock	11,007	7,571	1,793	163	209	1,271	0
U. AR Pine Bluff	8,343	3,947	279	0	110	4,007	0
U. Central AR	2,670	1,658	389	3	0	588	32

TABLE 33. Higher education R&D expenditures, by state, institutional control, institution, and source of funds: FY 2010

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
Private	656	466	12	4	50	124	0
Hendrix C.	656	466	12	4	50	124	0
California	7,830,745	4,764,329	377,813	491,869	770,969	1,168,672	257,093
Public	5,535,103	3,041,904	331,679	353,698	614,885	941,863	251,074
CA Polytechnic State U., San Luis Obispo	19,732	11,637	3,351	559	2,062	2,091	32
CA State Polytechnic U., Pomona	6,493	2,563	844	487	186	2,413	0
CA State U., Bakersfield	2,083	637	936	158	93	259	0
CA State U., Chico	2,881	1,502	777	238	106	258	0
CA State U., Dominguez Hills	2,743	2,658	64	19	2	0	0
CA State U., East Bay	1,312	643	551	0	118	0	0
CA State U., Fresno	8,698	3,424	2,743	208	381	1,942	0
CA State U., Fullerton	21,776	13,651	2,636	333	1,091	4,065	0
CA State U., Long Beach	15,494	12,731	1,358	1,048	341	16	0
CA State U., Los Angeles	7,714	7,234	193	0	160	127	0
CA State U., Monterey Bay	5,305	3,167	1,551	0	146	441	0
CA State U., Northridge	29,469	17,213	6,685	119	331	5,111	10
CA State U., Sacramento	15,207	5,829	4,487	520	899	3,444	28
CA State U., San Bernardino	1,851	1,412	151	154	13	89	32
CA State U., San Marcos	5,788	4,106	714	0	787	181	0
Humboldt State U.	9,845	3,024	2,639	913	988	2,281	0
Naval Postgraduate School	103,510	93,605	287	1,356	59	8,090	113
San Diego State U.	99,137	56,504	6,364	850	5,314	30,032	73
San Francisco State U.	25,615	15,601	3,172	258	1,938	4,646	0
San Jose State U.	38,241	24,292	10,077	449	645	2,778	0
Sonoma State U.	858	690	32	0	25	111	0
U. CA Office of the President	72,542	121	22,061	0	15,598	34,632	130
U. CA, Berkeley	694,049	312,789	68,340	85,538	86,953	120,560	19,869
U. CA, Davis	679,915	332,325	60,102	37,159	86,953	160,255	3,121
U. CA, Irvine	327,594	194,559	15,879	22,399	33,471	48,057	13,229
U. CA, Los Angeles	936,995	538,521	26,341	54,216	91,173	156,331	70,413
U. CA, Merced	21,591	9,392	6,589	181	487	3,819	1,123
U. CA, Riverside	130,288	63,127	9,499	6,484	8,565	36,104	6,509
U. CA, San Diego	943,219	580,279	34,566	67,601	102,356	111,160	47,257
U. CA, San Francisco	935,509	514,693	28,189	50,979	128,827	136,560	76,261
U. CA, Santa Barbara	225,730	129,457	5,223	16,967	28,506	36,561	9,016
U. CA, Santa Cruz	143,919	84,518	5,278	4,505	16,311	29,449	3,858
Private	2,295,642	1,722,425	46,134	138,171	156,084	226,809	6,019
CA Institute of Technology	362,172	328,522	1,347	8,138	17,513	3,706	2,946
Chapman U.	3,830	1,871	469	79	1,076	330	5



TABLE 33. Higher education R&D expenditures, by state, institutional control, institution, and source of funds: FY 2010

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
Charles R. Drew U. of Medicine and Science	22,152	20,430	NA	NA	NA	1,722	NA
Claremont Graduate U.	7,116	5,888	0	0	263	965	0
Claremont McKenna C.	5,725	1,130	18	0	298	4,279	0
Fuller Theological Seminary	384	0	2	0	107	42	233
Harvey Mudd C.	3,214	2,049	0	63	257	845	0
Loma Linda U.	35,990	29,284	1,290	2,050	1,462	1,767	137
Loyola Marymount U.	4,557	1,731	0	5	611	2,210	0
Mills C.	1,679	1,095	0	0	537	47	0
Mt. St. Mary's C. (Los Angeles, CA)	647	647	0	0	0	0	0
Occidental C.	2,289	665	118	261	1,245	0	0
Pepperdine U.	2,672	933	808	44	247	640	0
Pitzer C.	347	36	0	0	122	189	0
Pomona C.	2,924	1,048	0	0	748	1,052	76
Santa Clara U.	3,816	3,494	164	69	89	0	0
Scripps Research Institute, The	387,298	313,746	7,686	19,079	16,603	30,184	NA
Stanford U.	839,839	593,016	23,391	61,127	80,769	79,178	2,358
Touro U.-CA	1,600	999	0	0	222	379	0
U. Redlands	1,317	1,208	75	0	0	34	0
U. San Diego	2,934	1,352	117	71	259	887	248
U. San Francisco	2,124	428	129	0	262	1,289	16
U. Southern CA	592,791	408,564	10,088	44,620	32,659	96,860	0
U. of the Pacific	6,120	3,135	293	2,046	646	0	0
Vanguard U. Southern CA	319 i	269 i	0 i	0 i	15 i	35 i	0 i
Western U. of Health Sciences	1,786	885	139	519	74	169	0
Colorado	1,179,500	892,442	45,694	64,620	63,157	101,818	11,769
Public	1,163,081	878,605	45,435	63,785	62,718	100,825	11,713
CO School of Mines	44,879	29,892	931	13,961	NA	95	0
CO State U.	302,896	211,297	16,504	10,190	15,775	42,142	6,988
CO State U. Pueblo	413	364	5	0	44	0	0
Ft. Lewis C.	392	340	17	0	25	10	0
Mesa State C.	1,799	1,064	11	95	418	211	0
U.S. Air Force Academy	62,097	49,711	0	142	153	10,891	1,200
U. CO Boulder	349,449	292,030	2,108	10,205	16,026	29,080	0
U. CO Colorado Springs	9,088	6,699	456	521	176	1,236	0
U. CO Denver and Health Sciences Ctr.	389,461	285,126	25,315	28,661	30,054	16,780	3,525
U. Northern CO	2,607	2,082	88	10	47	380	0
Private	16,419	13,837	259	835	439	993	56
CO C.	671	473	4	0	0	194	0
U. Denver	15,748	13,364	255	835	439	799	56

TABLE 33. Higher education R&D expenditures, by state, institutional control, institution, and source of funds: FY 2010

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
Connecticut	888,949	620,437	19,591	28,700	58,593	147,427	14,201
Public	243,204	134,666	12,047	9,180	18,795	68,389	127
Central CT State U.	776	366	8	0	8	394	0
Southern CT State U.	3,840	1,459	1,567	41	773	0	0
U.S. Coast Guard Academy	680	672	0	0	0	8	0
U. CT	237,908	132,169	10,472	9,139	18,014	67,987	127
Private	645,745	485,771	7,544	19,520	39,798	79,038	14,074
CT C.	1,532	954	45	0	3	530	0
Fairfield U.	9,294	2,681	170	76	0	5,825	542
Trinity C. (Hartford, CT)	1,875	1,026	9	10	618	212	0
U. Hartford	1,137	820	0	71	1	245	0
Wesleyan U.	8,397	4,496	72	311	552	2,966	0
Yale U.	623,510	475,794	7,248	19,052	38,624	69,260	13,532
Delaware	168,511	115,608	6,709	5,741	2,381	36,259	1,813
Public	168,511	115,608	6,709	5,741	2,381	36,259	1,813
DE State U.	15,200	10,154	428	41	36	4,541	0
U. DE	153,311	105,454	6,281	5,700	2,345	31,718	1,813
District of Columbia	470,217	308,150	11,863	11,487	55,068	83,500	149
Public	5,012	1,946	3,066	0	0	0	0
U. DC	5,012	1,946	3,066	0	0	0	0
Private	465,205	306,204	8,797	11,487	55,068	83,500	149
American U.	39,747	8,841	NA	52	6,005	24,849	NA
Catholic U. America, The	21,454	15,878	0	1,365	503	3,708	0
Gallaudet U.	7,652	5,522	0	0	0	2,130	0
George Washington U.	196,917	122,357	7,262	4,427	28,315	34,446	110
Georgetown U.	159,355	120,589	1,393	4,705	18,935	13,694	39
Howard U.	40,080	33,017	142	938	1,310	4,673	0
Florida	2,005,395	1,103,363	194,075	80,312	71,662	531,023	24,960
Public	1,688,806	881,224	184,549	52,344	52,229	505,360	13,100
FL A&M U.	53,474	45,856	5,576	2,042	NA	0	NA
FL Atlantic U.	56,472	17,268	1,252	889	1,122	33,717	2,224
FL Gulf Coast U.	13,906	9,542	2,094	154	2,044	72	0
FL International U.	110,271	62,580	6,617	1,330	6,081	33,449	214
FL State U.	237,864	134,794	19,135	940	5,577	77,418	0
New C. FL	660	514	0	11	26	109	0
U. Central FL	117,985	69,331	14,042	9,485	3,633	20,750	744
U. FL	681,548	279,649	98,597	23,426	19,754	251,640	8,482
U. North FL	8,041	4,636	429	68	283	2,625	0

TABLE 33. Higher education R&D expenditures, by state, institutional control, institution, and source of funds: FY 2010

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
U. South FL	385,029	243,017	32,548	13,862	12,959	81,294	1,349
U. South FL Polytechnic	642	323	14	22	0	283	0
U. South FL Sarasota-Manatee	732	106	0	0	15	608	3
U. South FL St. Petersburg	4,425	2,570	0	0	129	1,720	6
U. West FL	17,757	11,038	4,245	115	606	1,675	78
Private	316,589	222,139	9,526	27,968	19,433	25,663	11,860
Barry U.	897	897	0	0	0	0	0
Eckerd C.	327	275	0	39	5	0	8
Embry-Riddle Aeronautical U.	12,189	8,241	1,282	1,481	0	1,185	0
FL Institute of Technology	12,054	9,175	1,019	1,831	NA	0	29
Jacksonville U.	335	9	134	22	149	21	0
Nova Southeastern U.	10,116	5,718	666	891	365	2,476	0
U. Miami	280,671	197,824	6,425	23,704	18,914	21,981	11,823
Georgia	1,626,783	985,386	52,809	85,374	85,450	409,744	8,020
Public	1,018,210	583,909	51,474	62,912	40,085	273,921	5,909
Albany State U.	740	396	344	0	0	0	0
Armstrong Atlantic State U.	2,681	2,681	0	0	0	0	0
Ft. Valley State U.	5,310	4,586	0	0	0	724	0
GA Institute of Technology	615,833	372,122	10,470	45,672	11,541	170,900	5,128
GA Southern U.	3,704	2,077	91	139	347	1,050	0
GA State U.	81,015	27,073	7,201	504	6,768	39,464	5
Kennesaw State U.	1,854	1,246	22	7	381	198	0
Medical C. GA	72,015	51,727	10	2,938	4,514	12,050	776
North GA C. & State U.	197	176	0	0	21	0	0
Savannah State U.	1,874	1,774	86	0	14	0	0
Southern Polytechnic State U.	435	428	0	6	1	0	0
U. GA	230,803	118,862	32,852	13,124	16,498	49,467	0
U. West GA	1,749	761	398	522	0	68	0
Private	608,573	401,477	1,335	22,462	45,365	135,823	2,111
Agnes Scott C.	1,884	1,328	0	0	13	528	15
Clark Atlanta U.	8,515	7,229	18	134	68	1,066	0
Emory U.	529,453	336,986	331	16,363	45,117	128,793	1,863
Mercer U.	27,298	18,778	384	4,652	134	3,117	233
Morehouse C.	7,857	7,857	0	0	0	0	NA
Morehouse School of Medicine	30,385 i	26,559 i	602 i	1,033 i	33 i	2,158 i	0 i
Spelman C.	3,181	2,740	0	280	0	161	0

TABLE 33. Higher education R&amp;D expenditures, by state, institutional control, institution, and source of funds: FY 2010

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
Hawaii	317,942	208,540	23,669	24,315	7,989	45,016	8,413
Public	317,942	208,540	23,669	24,315	7,989	45,016	8,413
U. HI Hilo	14,857	12,265	1,466	347	53	331	395
U. HI Manoa	303,085	196,275	22,203	23,968	7,936	44,685	8,018
Idaho	126,433	75,562	22,597	2,722	1,851	22,347	1,354
Public	126,433	75,562	22,597	2,722	1,851	22,347	1,354
Boise State U.	18,731	14,614	455	168	448	3,046	0
ID State U.	20,495	14,645	527	1,430	993	2,900	0
U. ID	87,207	46,303	21,615	1,124	410	16,401	1,354
Illinois	2,253,068	1,445,690	56,354	80,332	118,706	514,374	37,612
Public	1,032,827	590,123	49,679	30,793	26,862	301,636	33,734
Chicago State U.	1,598	1,598	0	0	0	0	0
Eastern IL U.	751	450	95	20	45	141	0
Governors State U.	1,220	1,124	24	0	72	0	0
IL State U.	18,417	5,442	369	262	629	11,715	0
Northeastern IL U.	711	448	0	0	19	244	0
Northern IL U.	27,036	17,334	7	1,109	0	8,586	0
Southern IL U. Carbondale	69,924	22,209	6,251	8,752	1,098	31,614	NA
Southern IL U. Edwardsville	31,781	4,192	2,521	901	430	23,737	0
U. IL Chicago	362,939	232,380	9,216	5,975	23,804	91,564	0
U. IL Springfield	2,096	436	403	0	62	868	327
U. IL Urbana-Champaign	515,133	303,852	30,395	13,661	703	133,148	33,374
Western IL U.	1,221	658	398	113	0	19	33
Private	1,220,241	855,567	6,675	49,539	91,844	212,738	3,878
Augustana C. (Rock Island, IL)	465	160	3	18	0	284	0
Benedictine U.	186	42	0	0	20	124	0
Bradley U.	1,151	512	0	304	0	335	0
DePaul U.	4,889	3,896	31	29	373	560	0
IL Institute of Technology	36,554	28,349	1,401	3,030	1,358	2,416	0
IL Wesleyan U.	707	360	NA	NA	NA	347	NA
Lake Forest C.	533	154	0	0	21	358	0
Loyola U. Chicago	43,903	28,995	610	2,855	2,814	7,280	1,349
Midwestern U. (Downers Grove, IL)	3,626	315	0	185	81	3,045	NA
National U. of Health Sciences	950	754	0	23	27	146	0
Northwestern U.	603,732	379,648	4,331	13,121	53,190	153,442	NA
Rosalind Franklin U. of Medicine and Science	12,426	8,350	0	329	1,529	2,218	0
Rush U.	73,398	51,304	2	10,372	4,908	6,812	0
U. Chicago	437,721	352,728	297	19,273	27,523	35,371	2,529

TABLE 33. Higher education R&D expenditures, by state, institutional control, institution, and source of funds: FY 2010

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
Indiana	1,186,421	530,495	68,133	57,029	125,304	404,110	1,350
Public	1,070,076	466,279	67,718	55,294	110,377	369,078	1,330
Ball State U.	20,477	3,988	685	383	4,386	11,016	19
IN State U.	1,541	990	70	390	17	62	12
IN U. Bloomington	177,520	71,208	2,697	3,981	23,240	76,394	0
IN U. South Bend	1,070	282	1	3	262	522	0
IN U. Southeast	408	12	0	0	11	385	0
IN U.-Purdue U. Ft. Wayne	8,523	1,797	1,052	166	784	4,724	0
IN U.-Purdue U. Indianapolis	296,194	148,672	2,845	18,515	42,146	84,016	0
Purdue U. main campus	548,980	232,564	59,288	29,593	39,288	186,948	1,299
Purdue U. Calumet	14,014	6,127	1,030	2,260	201	4,396	0
Purdue U. North Central	1,349	639	50	3	42	615	0
Private	116,345	64,216	415	1,735	14,927	35,032	20
DePauw U.	503	192	0	1	4	306	0
Rose-Hulman Institute of Technology	1,482	1,159	0	15	198	110	0
U. of Notre Dame	110,369	62,152	394	1,700	11,788	34,335	0
Valparaiso U.	791	505	21	19	48	198	0
Wabash C.	3,200	208	0	0	2,889	83	20
Iowa	706,667	398,498	50,800	31,405	28,803	195,645	1,516
Public	697,218	393,386	50,622	31,361	28,506	191,888	1,455
IA State U.	250,120	109,461	43,728	15,686	6,730	73,484	1,031
U. IA	444,034	282,465	6,004	15,670	21,767	117,704	424
U. Northern IA	3,064	1,460	890	5	9	700	0
Private	9,449	5,112	178	44	297	3,757	61
Coe C.	457	322	15	17	4	99	0
Des Moines U.	855	62	0	1	0	731	61
Drake U.	1,033	456	79	19	243	236	NA
Grinnell C.	2,069	1,161	2	5	29	872	0
Luther C.	342	102	82	2	16	140	0
Palmer C. of Chiropractic	4,693	3,009	0	0	5	1,679	0
Kansas	482,901	231,830	53,371	33,635	12,603	141,215	10,247
Public	482,901	231,830	53,371	33,635	12,603	141,215	10,247
Haskell Indian Nations U.	978	922	0	0	56	0	0
KS State U.	160,679	68,560	40,094	3,522	1,343	38,539	8,621
Pittsburg State U.	1,759	999	10	559	191	0	0
U. KS	267,961	147,598	7,641	6,936	10,764	93,396	1,626
Wichita State U.	51,524	13,751	5,626	22,618	249	9,280	0

TABLE 33. Higher education R&amp;D expenditures, by state, institutional control, institution, and source of funds: FY 2010

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
Kentucky	575,277	282,871	55,352	18,721	16,784	187,483	14,066
Public	575,277	282,871	55,352	18,721	16,784	187,483	14,066
Eastern KY U.	3,531	2,638	189	0	0	704	0
KY State U.	4,912	3,501	1,341	0	58	12	0
Morehead State U.	2,145	1,528	129	0	113	375	0
Murray State U.	3,396	2,074	92	48	74	1,108	0
Northern KY U.	2,316	1,476	93	84	90	573	0
U. KY	359,944	171,528	41,482	12,157	10,108	124,669	0
U. Louisville	189,090	93,260	10,967	6,084	5,960	58,753	14,066
Western KY U.	9,943	6,866	1,059	348	381	1,289	0
Louisiana	713,675	333,043	108,812	38,794	21,824	192,533	18,669
Public	531,113	213,146	100,240	35,376	15,068	161,607	5,676
Grambling State U.	993	993	0	0	0	0	0
LA State U. and A&M C.	289,872	97,407	75,500	14,294	6,213	95,424	1,034
LA State U. Health Sciences Ctr. New Orleans	59,776	46,142	1,152	2,296	1,482	5,302	3,402
LA State U. Medical Ctr. Shreveport	30,817	13,890	113	2,278	5,427	9,109	0
LA State U. Shreveport	1,359	849	31	27	178	274	0
LA Tech U.	26,020	10,806	2,527	298	4	12,385	0
McNeese State U.	1,077	433	174	8	33	429	0
Nicholls State U.	2,590	946	661	0	333	650	0
Northwestern State U.	1,464	635	464	0	0	247	118
Southeastern LA U.	2,561	1,161	639	0	84	677	0
Southern U. Baton Rouge	6,865	5,920	NA	0	0	0	945
Southern U. New Orleans	402	369	0	0	0	33	0
U. LA Lafayette	69,412	12,881	12,869	13,984	527	28,986	165
U. LA Monroe	2,884	1,470	429	195	299	491	0
U. New Orleans	35,021	19,244	5,681	1,996	488	7,600	12
Private	182,562	119,897	8,572	3,418	6,756	30,926	12,993
Dillard U.	8,425	7,096	1,329	0	0	0	0
Loyola U. New Orleans	595	260	142	0	11	182	0
Tulane U.	165,513	106,872	5,636	3,418	6,461	30,133	12,993
Xavier U. LA	8,029	5,669	1,465	0	284	611	0
Maine	137,516	66,336	22,186	4,037	4,587	37,777	2,593
Public	127,640	59,300	22,165	3,859	3,490	36,233	2,593
U. ME	111,282	50,163	19,673	3,835	1,184	33,834	2,593
U. Southern ME	16,358	9,137	2,492	24	2,306	2,399	0
Private	9,876	7,036	21	178	1,097	1,544	0
Bates C.	1,590	971	0	4	137	478	0

TABLE 33. Higher education R&amp;D expenditures, by state, institutional control, institution, and source of funds: FY 2010

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
Bowdoin C.	2,627	1,815	0	53	171	588	0
Colby C.	1,782	1,105	0	0	199	478	0
St. Joseph's C. (Standish, ME)	317	316	0	0	1	0	0
U. New England	3,560	2,829	21	121	589	0	0
<b>Maryland</b>	<b>3,139,254</b>	<b>2,423,394</b>	<b>62,588</b>	<b>97,331</b>	<b>144,143</b>	<b>379,823</b>	<b>31,975</b>
Public	1,133,639	685,256	52,215	29,731	53,266	302,363	10,808
Frostburg State U.	521	372	121	18	10	0	0
Morgan State U.	12,804	10,039	1,328	1,253	184	0	0
Salisbury U.	3,503	1,823	937	NA	361	382	NA
St. Mary's C. MD	342	233	0	0	95	14	0
Towson U.	3,052	1,806	879	93	95	172	7
Uniformed Services U. of the Health Sciences	134,126	72,125	NA	NA	5,764	56,237	NA
U.S. Naval Academy	11,093	10,750	0	165	17	156	5
U. Baltimore	4,229	1,812	1,278	8	1,112	19	0
U. MD Baltimore	374,036	208,246	23,789	17,095	39,357	85,409	140
U. MD Baltimore County	87,156	59,448	2,195	1,981	2,597	20,935	0
U. MD Ctr. for Environmental Science	42,670	12,123	5,118	0	NA	21,123	4,306
U. MD College Park	451,415	297,896	16,483	9,118	3,672	117,916	6,330
U. MD Eastern Shore	8,692	8,583	87	0	2	0	20
Private	2,005,615	1,738,138	10,373	67,600	90,877	77,460	21,167
Goucher C.	485	322	0	0	163	0	0
Johns Hopkins U., The <sup>a</sup>	2,004,482	1,737,261	10,346	67,600	90,648	77,460	21,167
Loyola C.	648	555	27	0	66	0	0
<b>Massachusetts</b>	<b>2,749,928</b>	<b>2,001,676</b>	<b>24,087</b>	<b>187,784</b>	<b>230,890</b>	<b>239,520</b>	<b>65,971</b>
Public	543,429	330,472	12,559	28,462	30,246	135,457	6,233
Bridgewater State C.	587	279	177	0	5	126	0
Fitchburg State C.	174	174	0	0	0	0	0
U. MA Amherst	169,143	89,413	4,657	9,080	7,644	52,426	5,923
U. MA Boston	56,416	24,527	3,652	91	5,902	21,997	247
U. MA Dartmouth	25,725	12,236	657	633	392	11,807	0
U. MA Lowell	59,345	25,550	1,910	4,460	1,779	25,583	63
U. MA Worcester	232,039	178,293	1,506	14,198	14,524	23,518	0
Private	2,206,499	1,671,204	11,528	159,322	200,644	104,063	59,738
Amherst C.	3,628	1,102	4	2	595	1,925	0
Boston C.	50,537	33,290	145	2,619	7,481	7,002	0
Boston U.	352,817	302,411	1,106	8,528	18,192	22,580	0
Brandeis U.	71,006	43,669	595	3,500	10,194	12,381	667
Clark U.	7,111	3,243	0	194	2,242	1,432	0
C. of the Holy Cross	1,275	904	0	0	371	0	0

TABLE 33. Higher education R&D expenditures, by state, institutional control, institution, and source of funds: FY 2010

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
Hampshire C.	569	533	0	0	0	36	0
Harvard U.	583,361	474,899	2,902	24,135	72,974	0	8,451
MA C. of Pharmacy and Health Sciences	232	38	0	194	0	0	0
MA Institute of Technology	677,138	457,575	415	102,882	68,919	12,484	34,863
Mt. Holyoke C.	2,788	1,362	0	0	931	495	0
New England C. of Optometry	1,457	726	0	347	53	315	16
Northeastern U.	79,949	59,074	1,373	4,222	2,018	13,262	0
Simmons C.	440	181	0	0	207	10	42
Smith C.	4,613	2,843	0	12	905	853	0
Tufts U.	156,106	116,699	3,080	8,627	11,056	14,685	1,959
Wellesley C.	8,422	3,677	442	163	4,140	0	0
Williams C.	4,691	2,330	0	0	0	2,361	0
Woods Hole Oceanographic Institution	181,746	153,066	1,254	2,940	NA	10,746	13,740
Worcester Polytechnic Institute	18,613	13,582	212	957	366	3,496	0
Michigan	2,031,479	1,178,298	62,073	60,790	76,213	625,729	28,376
Public	2,008,943	1,164,903	61,228	58,643	74,118	621,881	28,170
Central MI U.	7,483	2,536	1,330	33	113	3,389	82
Eastern MI U.	14,133	9,088	644	776	593	3,032	0
Grand Valley State U.	5,044	1,134	368	206	879	2,095	362
MI State U.	431,373	214,134	47,797	3,717	12,817	140,931	11,977
MI Technological U.	63,471	27,676	948	5,520	242	28,979	106
Northern MI U.	910	287	0	0	47	576	0
Oakland U.	12,856	7,130	5	509	663	4,531	18
Saginaw Valley State U.	873	77	0	144	0	600	52
U. MI-Ann Arbor	1,184,445	747,778	3,322	38,739	47,627	338,515	8,464
U. MI-Dearborn	6,779	2,932	963	608	98	2,095	83
U. MI-Flint	693	227	0	0	5	450	11
Wayne State U.	254,492	132,166	5,132	6,647	9,385	94,819	6,343
Western MI U.	26,391	19,738	719	1,744	1,649	1,869	672
Private	22,536	13,395	845	2,147	2,095	3,848	206
Andrews U.	1,195	280	78	0	199	638	NA
Calvin C.	5,010	2,084	2	173	289	2,364	98
Hope C.	3,596	2,523	0	0	754	319	0
Kalamazoo C.	755	254	0	0	245	256	0
Kettering U.	6,880	4,477	389	1,736	278	0	0
Lawrence Technological U.	3,952	3,144	313	114	305	76	0
U. Detroit Mercy	1,148	633	63	124	25	195	108



TABLE 33. Higher education R&D expenditures, by state, institutional control, institution, and source of funds: FY 2010

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
Minnesota	831,754	443,332	69,813	30,084	72,473	194,610	21,442
Public	816,540	436,500	69,678	29,956	70,667	188,415	21,324
MN State U. Mankato	3,837	2,051	46	2	139	490	1,109
St. Cloud State U.	4,184	1,260	290	523	432	1,679	0
U. MN Duluth	21,150	6,441	4,419	935	354	8,877	124
U. MN Morris	672	245	41	56	27	303	0
U. MN Rochester	248	3	0	0	0	245	0
U. MN Twin Cities	786,074	426,359	64,719	28,403	69,713	176,789	20,091
Winona State U.	375	141	163	37	2	32	0
Private	15,214	6,832	135	128	1,806	6,195	118
Carleton C.	4,575	1,803	21	0	1,179	1,572	0
Concordia C.	617	301	0	0	47	269	0
Gustavus Adolphus C.	310	97	1	0	116	96	0
Macalester C.	4,389	1,075	0	0	294	3,020	0
Northwestern Health Sciences U.	1,779	1,467	0	0	0	312	0
St. John's U. (Collegeville, MN)	640	0	0	0	0	640	0
St. Olaf C.	1,574	1,247	35	40	170	82	0
U. of St. Thomas (St. Paul, MN)	1,330	842	78	88	NA	204	118
Mississippi	443,625	267,970	75,905	11,364	6,332	76,986	5,068
Public	439,925	264,559	75,905	11,357	6,332	76,704	5,068
Alcorn State U.	10,280	9,256	0	50	0	974	0
Jackson State U.	44,862	39,457	0	0	1,155	4,250	0
MS State U.	231,675	106,324	72,701	7,859	217	44,415	159
MS Valley State U.	1,029	993	NA	NA	NA	36	NA
U. MS and U. MS Medical Ctr.	110,020	71,475	1,148	1,989	4,514	26,243	4,651
U. Southern MS	42,059	37,054	2,056	1,459	446	786	258
Private	3,700	3,411	0	7	0	282	0
Millsaps C.	722	433	NA	7	NA	282	NA
Tougaloo C.	2,978	2,978	0	0	0	0	0
Missouri	1,087,432	684,448	27,574	55,043	60,645	223,026	36,696
Public	342,681	181,406	8,236	11,769	12,139	127,251	1,880
Lincoln U. (Jefferson City, MO)	8,475	5,984	2,491	0	0	0	0
MO State U.	7,770	6,071	237	491	971	0	0
MO U. of Science and Technology	42,263	28,239	287	3,549	473	9,499	216
Truman State U.	882	605	18	2	37	220	0
U. MO-Columbia	238,500	116,965	3,285	7,131	8,334	101,562	1,223
U. MO-Kansas City	30,163	16,391	1,645	560	1,705	9,553	309
U. MO-St. Louis	14,628	7,151	273	36	619	6,417	132

TABLE 33. Higher education R&D expenditures, by state, institutional control, institution, and source of funds: FY 2010

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
Private	744,751	503,042	19,338	43,274	48,506	95,775	34,816
A. T. Still U. of Health Sciences	1,253	116	0	24	142	971	0
Kansas City U. of Medicine and Biosciences	685	556	30	0	65	34	0
St. Louis U.	46,839	33,728	90	6,473	1,987	4,561	NA
Washington U. St. Louis	695,974	468,642	19,218	36,777	46,312	90,209	34,816
Montana	207,827	140,236	7,571	1,231	405	47,123	11,261
Public	206,947	139,761	7,571	1,231	0	47,123	11,261
MT State U. Billings	598	327	127	73	0	71	0
MT State U. Bozeman	135,084	93,100	3,701	NA	NA	30,574	7,709
MT Tech of the U. MT	7,424	5,321	1,474	629	NA	0	0
U. MT-Missoula, The	63,540	40,760	2,269	529	NA	16,430	3,552
U. MT Western, The	301	253	0	0	0	48	0
Private	880	475	0	0	405	0	0
Salish Kootenai C.	880	475	0	0	405	0	0
Nebraska	367,793	195,006	15,564	15,715	36,690	102,753	2,065
Public	340,093	183,156	12,114	15,715	28,240	99,253	1,615
U. NE Kearney	1,655	289	782	21	30	533	0
U. NE-Lincoln	191,268	96,069	6,622	9,124	12,779	65,059	1,615
U. NE Medical Ctr.	138,219	80,784	4,059	6,456	14,780	32,140	0
U. NE Omaha	8,951	6,014	651	114	651	1,521	0
Private	27,700	11,850	3,450	0	8,450	3,500	450
Creighton U.	27,700	11,850	3,450	0	8,450	3,500	450
Nevada	174,247	118,863	8,685	2,478	3,936	39,864	421
Public	174,247	118,863	8,685	2,478	3,936	39,864	421
Desert Research Institute	34,367	28,307	1,411	474	2,150	2,025	0
U. NV, Las Vegas	44,457	32,441	2,315	741	390	8,552	18
U. NV, Reno	95,423	58,115	4,959	1,263	1,396	29,287	403
New Hampshire	310,956	203,877	7,216	18,747	22,510	55,675	2,931
Public	116,815	85,606	2,079	6,634	3,646	16,447	2,403
Plymouth State U.	1,253 i	1,053 i	48 i	0 i	127 i	25 i	0 i
U. NH	115,562	84,553	2,031	6,634	3,519	16,422	2,403
Private	194,141	118,271	5,137	12,113	18,864	39,228	528
Dartmouth C.	194,141	118,271	5,137	12,113	18,864	39,228	528
New Jersey	1,079,319	604,495	103,733	40,952	62,071	248,793	19,275
Public	793,082	419,851	100,591	30,846	48,614	178,422	14,758
C. NJ, The	850	461	105	0	263	21	0

TABLE 33. Higher education R&D expenditures, by state, institutional control, institution, and source of funds: FY 2010

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
Montclair State U.	2,255	1,876	27	19	129	204	0
NJ City U.	188	132	0	0	0	56	0
NJ Institute of Technology	92,318	50,051	4,737	4,572	1,541	31,417	0
Rowan U.	6,434	4,301	1,855	278	NA	0	NA
Rutgers, the State U. NJ-Camden	3,574	2,001	279	12	308	752	222
Rutgers, the State U. NJ-New Brunswick	428,432	224,894	75,346	10,988	17,870	85,848	13,486
Rutgers, the State U. NJ-Newark	27,745	12,631	5,345	437	2,982	5,300	1,050
U. of Medicine & Dentistry NJ	230,235	123,399	12,853	14,520	25,520	53,943	0
William Paterson U. NJ	1,051	105	44	20	1	881	0
Private	286,237	184,644	3,142	10,106	13,457	70,371	4,517
Fairleigh Dickinson U.	254	210	22	17	5	0	0
Monmouth U.	2,195	2,190	5	0	0	0	0
Princeton U.	242,570	150,261	1,227	9,067	12,194	65,744	4,077
Rider U.	1,671	407	0	1	55	1,208	0
Seton Hall U.	4,003	2,206	660	485	652	0	0
Stevens Institute of Technology	35,544	29,370	1,228	536	551	3,419	440
New Mexico	422,868	289,828	25,256	13,871	3,729	80,527	9,657
Public	422,868	289,828	25,256	13,871	3,729	80,527	9,657
NM Highlands U.	1,529	970	59	500	0	0	0
NM Institute of Mining and Technology	51,696	42,243	1,659	1,850	0	5,567	377
NM State U.	157,872	98,399	17,937	7,745	267	25,110	8,414
U. NM	211,771	148,216	5,601	3,776	3,462	49,850	866
New York	4,950,993	2,971,147	323,849	264,273	347,640	952,562	91,522
Public	1,264,447	611,608	125,615	118,661	70,904	308,137	29,522
CUNY Baruch C.	2,616	1,010	76	0	1,045	485	0
CUNY Brooklyn C.	6,846	5,358	0	764	0	724	NA
CUNY C. Staten Island	3,290	952	1,072	719	352	191	4
CUNY Graduate Ctr.	11,562	4,901	742	0	3,863	112	1,944
CUNY Herbert H. Lehman C.	3,579	2,750	5	558	0	266	0
CUNY Hunter C.	38,900	18,498	2,919	104	4,771	12,608	0
CUNY John Jay C. of Criminal Justice	5,916	3,418	52	0	1,790	656	0
CUNY Medgar Evers C.	658	392	0	211	0	55	0
CUNY New York City C. of Technology	231	81	0	13	9	128	0
CUNY Queens C.	16,845	13,642	1,405	0	1,069	709	20
CUNY The City C.	46,699	32,900	4,751	6,126	NA	2,922	NA
Farmingdale State C.	253	228	0	0	0	25	0
SUNY Albany	359,364	124,324	77,690	74,099	17,910	60,760	4,581
SUNY Binghamton	72,057	20,979	3,047	3,545	171	43,720	595
SUNY Buffalo	349,670	167,099	21,387	20,347	28,131	95,444	17,262

TABLE 33. Higher education R&D expenditures, by state, institutional control, institution, and source of funds: FY 2010

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
SUNY C. Brockport	831	521	52	8	96	143	11
SUNY C. Buffalo	1,935	1,293	53	18	242	329	0
SUNY C. Cortland	527	153	4	9	249	109	3
SUNY C. Geneseo	1,373	755	9	60	36	513	0
SUNY C. of A&T Cobleskill	1,414	1,382	22	6	0	4	0
SUNY C. of A&T Morrisville	233	11	184	0	0	38	0
SUNY C. of Environmental Science and Forestry	26,916	8,907	2,396	1,908	692	12,312	701
SUNY C. of Optometry	3,529	2,829	0	203	131	366	0
SUNY C. Old Westbury	1,197 i	634 i	0 i	223 i	16 i	324 i	0 i
SUNY C. Oneonta	336	112	124	0	40	60	0
SUNY C. Oswego	783	644	12	39	1	41	46
SUNY C. Plattsburgh	1,664	1,187	159	0	23	267	28
SUNY C. Potsdam	511	386	30	24	19	52	0
SUNY Fredonia	513	111	103	15	0	284	0
SUNY Health Science Ctr. Brooklyn	32,512	25,023	408	1,749	1,193	3,720	419
SUNY Institute of Technology at Utica-Rome	713	695	0	0	0	18	0
SUNY New Paltz	251	182	3	16	22	28	0
SUNY Stony Brook	204,728	120,146	5,522	5,535	6,239	64,930	2,356
SUNY Upstate Medical U.	43,824	27,959	3,388	2,337	2,794	5,794	1,552
U.S. Military Academy	22,171	22,146	0	25	0	0	0
Private	3,686,546	2,359,539	198,234	145,612	276,736	644,425	62,000
Adelphi U.	360	290	0	0	0	70	0
Albany C. of Pharmacy	3,074	1,380	184	1,198	0	312	0
Albany Medical C.	22,953	15,758	333	1,485	2,051	3,326	0
Alfred U.	4,524	1,687	1,464	877	0	496	0
Barnard C.	3,353	2,754	76	0	494	29	0
Canisius C.	221	154	5	1	61	0	0
Clarkson U.	18,584	9,573	1,963	2,703	0	4,345	0
Colgate U.	2,851	1,519	2	20	203	1,107	0
Columbia U. in the City of New York	807,235	572,213	12,336	35,548	66,681	95,487	24,970
Cooper Union, The	371	194	0	54	49	74	0
Cornell U.	749,721	448,085	66,521	22,869	71,327	139,150	1,769
Daemen C.	1,613	426	746	132	232	77	0
Dowling C.	200	200	0	0	0	0	0
Fordham U.	19,289	4,132	388	0	0	13,623	1,146
Hamilton C.	3,192	1,077	206	26	1,417	461	5
Hobart and William Smith Colleges	1,434	1,118	201	13	98	4	0
Hofstra U.	2,552	2,206	169	2	77	98	0
Ithaca C.	1,077	617	76	0	120	264	0
Long Island U.	3,406 i	2,483 i	151 i	364 i	122 i	286 i	0 i

TABLE 33. Higher education R&D expenditures, by state, institutional control, institution, and source of funds: FY 2010

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
Manhattan C.	498	166	302	12	18	0	0
Marist C.	671	8	290	110	11	231	21
Mercy C.	464	426	0	0	6	32	0
Mt. Sinai School of Medicine	370,666	302,770	7,597	17,230	41,562	917	590
New School, The	5,178	1,670	30	58	3,420	0	0
NY Institute of Technology	1,785	250	212	275	83	965	0
NY Medical C.	28,400	21,095	749	3,720	1,992	364	480
NY U.	365,944	260,463	4,317	7,585	23,703	57,023	12,853
Niagara U.	1,090	162	334	3	106	485	0
Pace U.	3,085	627	0	44	330	2,084	0
Polytechnic U.	10,601	5,729	1,439	2,671	NA	762	NA
Rensselaer Polytechnic Institute	83,952	54,847	7,350	4,683	2,641	14,431	0
Rochester Institute of Technology	38,663	23,254	989	4,982	880	8,558	0
Rockefeller U.	265,750	88,705	1,761	3,344	19,161	151,249	1,530
Sarah Lawrence C.	158	60	0	0	98	0	0
Siena C.	1,061	1,045	0	0	16	0	0
Skidmore C.	2,850	1,872	0	428	0	550	0
St. Bonaventure U.	1,727	767	27	0	0	352	581
St. John's U. (Jamaica, NY)	1,643	1,274	9	241	72	47	0
Syracuse U.	107,024	33,796	24,717	4,788	9,546	34,151	26
Teachers C., Columbia U.	17,167	6,533	192	7,346	2,898	0	198
Union C. (Schenectady, NY)	1,984	1,427	12	26	461	58	0
U. Rochester	414,655	322,048	8,993	20,266	12,038	43,308	8,002
Vassar C.	1,280	1,280	0	0	0	0	0
Yeshiva U.	314,240	163,399	54,093	2,508	14,762	69,649	9,829
North Carolina	2,465,844	1,481,642	148,519	323,259	161,638	346,438	4,348
Public	1,285,428	804,162	115,730	73,664	64,829	226,917	126
Appalachian State U.	2,898	1,813	253	94	253	485	0
East Carolina U.	23,995	16,113	711	2,228	979	3,964	0
Elizabeth City State U.	5,576	5,552	14	0	10	0	0
Fayetteville State U.	11,865	10,844	676	1	344	0	0
NC Agricultural and Technical State U.	35,297	23,883	105	62	53	11,190	4
NC Central U.	6,870	6,870	NA	NA	NA	0	NA
NC State U.	360,795	139,096	98,382	37,097	4,431	81,667	122
U. NC Asheville	2,671	1,367	606	97	277	324	0
U. NC Chapel Hill	755,284	545,993	9,727	26,052	56,847	116,665	0
U. NC Charlotte	31,814	17,284	3,332	6,519	NA	4,679	0
U. NC Greensboro	22,436	19,477	462	825	463	1,209	0
U. NC Pembroke	408	210	124	0	74	0	0

TABLE 33. Higher education R&D expenditures, by state, institutional control, institution, and source of funds: FY 2010

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
U. NC Wilmington	23,143	14,364	1,127	671	721	6,260	0
Western Carolina U.	2,376	1,296	211	18	377	474	0
Private	1,180,416	677,480	32,789	249,595	96,809	119,521	4,222
Davidson C.	1,493	1,153	48	21	265	6	0
Duke U.	983,289	514,084	27,356	234,361	90,146	113,351	3,991
Shaw U.	3,600 i	3,159 i	169 i	0 i	0 i	272 i	0 i
Wake Forest U.	192,034	159,084	5,216	15,213	6,398	5,892	231
North Dakota	204,049	105,394	44,240	12,278	2,554	37,498	2,085
Public	204,049	105,394	44,240	12,278	2,554	37,498	2,085
Mayville State U.	275	212	63	0	0	0	0
Minot State U.	795	795	0	0	0	0	0
ND State U.	126,419	51,883	38,668	915	839	32,029	2,085
U. ND	76,560	52,504	5,509	11,363	1,715	5,469	0
Ohio	2,051,843	1,250,335	164,984	165,927	84,387	363,618	22,592
Public	1,533,806	838,460	144,018	154,150	65,956	309,522	21,700
Air Force Institute of Technology	31,259	15,474	89	269	52	15,375	0
Bowling Green State U.	8,124	4,963	1,861	113	285	871	31
Central State U.	3,233	2,544	227	462	0	0	0
Cleveland State U.	34,235	25,024	2,368	2,326	2,231	2,279	7
Kent State U.	26,331	14,586	3,667	311	258	7,081	428
Miami U.	26,521	13,591	1,733	788	347	9,506	556
Northeastern OH Universities C. of Medicine	10,819	4,009	560	40	1,088	5,121	1
OH State U.	755,194	399,942	106,213	120,101	29,209	83,390	16,339
OH U.	50,440	18,466	2,561	3,982	0	23,579	1,852
U. Akron	52,884	12,107	3,529	1,685	4,845	28,232	2,486
U. Cincinnati	411,269	262,513	7,419	18,410	24,194	98,733	0
U. Toledo	70,399	38,389	7,812	3,486	2,649	18,063	0
Wright State U.	48,575	24,785	3,931	2,039	798	17,022	0
Youngstown State U.	4,523	2,067	2,048	138	0	270	0
Private	518,037	411,875	20,966	11,777	18,431	54,096	892
Case Western Reserve U.	418,164	333,689	9,261	6,627	17,536	50,292	759
C. Wooster	988	249	18	0	261	446	14
Denison U.	620 i	469 i	0 i	0 i	0 i	151 i	0 i
John Carroll U.	1,154	1,036	0	118	0	0	0
Kenyon C.	414	413	0	0	0	1	0
Oberlin C.	1,985	1,359	0	62	238	326	0
OH Northern U.	308	180	1	10	32	85	0
OH Wesleyan U.	335	203	0	0	0	132	0
U. Dayton	93,309	73,540	11,686	4,960	341	2,663	119

TABLE 33. Higher education R&amp;D expenditures, by state, institutional control, institution, and source of funds: FY 2010

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
Wilberforce U.	760	737	0	0	23	0	0
Oklahoma	400,731	175,634	54,436	28,849	9,431	123,527	8,854
Public	377,344	168,508	53,775	20,373	9,372	116,462	8,854
Langston U.	4,492	3,313	1,179	0	0	0	0
Northeastern State U.	707	451	56	170	0	30	0
OK State U. main campus	147,094	56,998	32,289	5,802	568	51,437	0
OK State U. Ctr. for Health Sciences	4,398	817	105	229	0	3,247	0
OK State U. Tulsa	158	0	119	0	0	39	0
Southeastern OK State U.	192	171	15	0	3	3	0
Southwestern OK State U.	428	333	41	0	0	54	0
U. Central OK	1,786	1,059	226	16	405	80	NA
U. OK	218,089	105,366	19,745	14,156	8,396	61,572	8,854
Private	23,387	7,126	661	8,476	59	7,065	0
U. Tulsa	23,387	7,126	661	8,476	59	7,065	0
Oregon	696,272	503,072	41,456	23,207	40,132	74,549	13,856
Public	685,506	498,721	41,121	22,820	37,413	71,577	13,854
Eastern OR U.	200	116	20	0	6	58	0
OR Health & Science U.	314,990	247,054	1,061	13,939	22,719	29,964	253
OR State U.	216,595	135,886	36,188	5,869	1,906	23,339	13,407
Portland State U.	56,533	36,996	2,831	864	8,173	7,475	194
Southern OR U.	826	639	105	22	0	60	0
U. OR	94,107	76,378	654	2,126	4,520	10,429	NA
Western OR U.	2,255	1,652	262	0	89	252	0
Private	10,766	4,351	335	387	2,719	2,972	2
Lewis & Clark C.	2,753	843	0	0	1,080	830	0
Pacific U.	1,849	845	128	380	494	0	2
Reed C.	1,904	796	0	0	485	623	0
U. Portland	1,205	335	174	7	660	29	0
Western States Chiropractic C.	996	866	0	0	0	130	0
Willamette U.	2,059	666	33	0	0	1,360	0
Pennsylvania	3,127,255	2,184,716	145,141	157,473	156,793	477,606	5,526
Public	1,732,669	1,146,370	84,316	80,580	68,710	351,224	1,469
Cheyney U. PA	725	255	470	0	0	0	0
Indiana U. PA	1,376	660	280	0	0	436	0
Lincoln U. of the Commonwealth of PA	1,425	1,114	307	4	0	0	0
Millersville U. PA	523	307	35	24	61	96	0
PA State U. Altoona	671	267	99	140	25	140	0
PA State U. Beaver	848	786	0	0	0	62	0

TABLE 33. Higher education R&D expenditures, by state, institutional control, institution, and source of funds: FY 2010

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
PA State U. Berks	155	155	0	0	0	0	0
PA State U. Erie, The Behrend C.	3,265	887	1,322	24	294	738	0
PA State U. Great Valley School of Graduate Professional Studies	275	0	0	141	0	134	0
PA State U. Harrisburg	2,734	963	824	97	629	221	0
PA State U. University Park and Hershey Medical Ctr.	770,449	464,750	62,905	64,323	37,607	139,497	1,367
PA State U. Worthington-Scranton	152	0	149	0	0	3	0
Temple U.	124,528	79,939	5,143	5,564	7,441	26,339	102
U. Pittsburgh main campus	822,491	594,675	12,088	10,135	22,035	183,558	0
West Chester U. PA	3,052 i	1,612 i	694 i	128 i	618 i	0 i	0 i
Private	1,394,586	1,038,346	60,825	76,893	88,083	126,382	4,057
Allegheny C.	505	197	17	0	70	221	0
Arcadia U.	1,649	1,206	134	0	309	0	0
Bryn Mawr C.	7,476	1,301	185	7	90	5,857	36
Bucknell U.	5,456	2,745	149	121	571	1,756	114
Carnegie Mellon U.	222,790	179,386	2,986	19,204	4,150	13,437	3,627
Dickinson C.	2,109	602	71	0	677	759	0
Drexel U.	118,349	77,438	4,174	2,860	8,998	24,879	0
Duquesne U.	15,804	5,904	1,176	1,037	1,306	6,381	0
Elizabethtown C.	514	394	120	0	0	0	0
Franklin & Marshall C.	3,770	1,857	271	300	483	859	0
Gettysburg C.	814	524	0	0	116	160	14
Haverford C.	3,620	2,715	0	0	217	688	0
Juniata C.	511	150	0	0	247	114	0
La Salle U.	1,298	246	0	86	10	956	0
Lafayette C.	2,089	1,223	98	73	106	589	0
Lehigh U.	37,332	23,721	6,804	2,400	817	3,545	45
Mercyhurst C.	2,040	854	362	91	400	284	49
Muhlenberg C.	488	302	0	20	30	136	0
Philadelphia C. of Osteopathic Medicine	1,278	812	31	0	279	156	0
Philadelphia U.	1,200	968	232	0	0	0	0
Salus U.	1,359	1,261	69	29	0	0	0
St. Francis U.	2,923	2,923	0	0	0	0	0
St. Joseph's U.	2,918	1,368	288	0	947	315	0
Swarthmore C.	2,984	913	17	0	914	1,140	0
Thomas Jefferson U.	103,064	77,817	5,450	10,031	5,895	3,871	0
U. PA	836,322	642,180	34,390	39,032	60,436	60,112	172
U. Scranton	240	19	42	12	0	167	0
U. of the Sciences Philadelphia	1,964	984	360	620	0	0	0
Ursinus C.	540	413	120	1	6	0	0
Villanova U.	11,433 i	6,390 i	3,218 i	969 i	856 i	0 i	0 i



TABLE 33. Higher education R&D expenditures, by state, institutional control, institution, and source of funds: FY 2010

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
Washington and Jefferson C.	1,327	1,188	0	0	139	0	0
Wilkes U.	420	345	61	0	14	0	0
Rhode Island	428,738	192,499	8,388	5,977	21,864	198,967	1,043
Public	90,016	62,981	7,071	4,194	1,160	14,226	384
U. RI	90,016	62,981	7,071	4,194	1,160	14,226	384
Private	338,722	129,518	1,317	1,783	20,704	184,741	659
Brown U.	335,838	127,087	1,302	1,730	20,620	184,440	659
Providence C.	917	857	0	24	32	4	0
Roger Williams U.	1,967	1,574	15	29	52	297	0
South Carolina	660,415	346,068	7,952	41,772	24,822	238,065	1,736
Public	653,319	340,037	7,877	41,761	24,282	237,691	1,671
Clemson U.	174,693	62,934	3,330	21,217	0	86,777	435
Coastal Carolina U.	2,404	1,533	433	332	22	84	0
C. Charleston	14,218	11,610	1,282	170	1,113	0	43
Medical U. SC	224,632	131,650	338	13,087	6,322	72,042	1,193
SC State U.	7,167	6,334	308	346	179	0	NA
U. SC Aiken	337	122	136	0	18	61	0
U. SC Beaufort	462	338	99	0	6	19	0
U. SC Columbia	229,145	125,501	1,950	6,609	16,609	78,476	NA
U. SC Upstate	261	15	1	0	13	232	0
Private	7,096	6,031	75	11	540	374	65
Benedict C.	1,533	1,473	60	0	0	0	0
Claffin U.	3,252	3,226	15	11	0	0	0
Furman U.	2,311	1,332	0	0	540	374	65
South Dakota	131,165	83,867	19,386	1,991	3,622	20,461	1,838
Public	129,623	82,441	19,386	1,985	3,605	20,368	1,838
Black Hills State U.	2,883	2,434	229	6	40	174	0
SD School of Mines and Technology	28,572	25,172	1,248	165	NA	1,488	499
SD State U.	67,552	38,368	16,848	1,450	3,184	6,363	1,339
U. SD	30,616	16,467	1,061	364	381	12,343	0
Private	1,542	1,426	0	6	17	93	0
Augustana C. (Sioux Falls, SD)	912	889	0	6	17	0	0
Sinte Gleska U.	630	537	0	0	0	93	0
Tennessee	938,237	642,271	64,818	30,807	36,634	157,726	5,981
Public	397,065	211,498	63,524	20,605	12,696	87,960	782
East TN State U.	9,869	6,272	1,662	612	1,143	180	0
Middle TN State U.	4,793	2,651	134	0	77	1,881	50

TABLE 33. Higher education R&amp;D expenditures, by state, institutional control, institution, and source of funds: FY 2010

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
TN State U.	12,432	7,414	793	592	33	3,600	0
TN Technological U.	16,754	7,490	6,151	54	162	2,672	225
U. Memphis, The	49,517	20,654	4,890	1,132	1,216	21,118	507
U. TN Chattanooga	10,749	4,866	880	156	997	3,850	0
U. TN Knoxville	291,787	162,151	48,986	18,053	9,028	53,569	0
U. TN Martin	1,164	0	28	6	40	1,090	0
Private	541,172	430,773	1,294	10,202	23,938	69,766	5,199
Fisk U.	7,700	7,686	0	0	0	14	0
Le Moyné-Owen C.	708	610	98	0	0	0	0
Meharry Medical C.	27,001	24,302	0	0	1,545	1,154	0
Rhodes C.	804	519	242	16	27	0	0
Vanderbilt U.	504,959	397,656	954	10,186	22,366	68,598	5,199
Texas	4,417,547	2,241,254	622,635	262,266	355,732	866,671	68,989
Public	3,832,630	1,865,756	618,214	239,502	308,175	754,856	46,127
Angelo State U.	1,088	236	570	0	82	200	0
Lamar U.	5,829	4,377	148	203	145	956	0
Midwestern State U.	348	10	4	9	243	82	0
Prairie View A&M U.	12,565	8,623	2,986	126	27	799	4
Sam Houston State U.	7,555	5,066	1,479	NA	NA	1,010	NA
Stephen F. Austin State U.	9,127	5,530	768	139	535	2,155	0
Sul Ross State U.	3,039	1,595	537	41	362	504	0
Tarleton State U.	10,763	6,379	3,519	246	107	512	0
TX A&M International U.	2,428	1,623	164	0	368	247	26
TX A&M U.	689,624	288,173	139,411	46,754	18,027	191,115	6,144
TX A&M U.-Commerce	2,679	1,362	937	17	363	0	NA
TX A&M U.-Corpus Christi	17,266	7,869	3,885	119	2,703	2,634	56
TX A&M U.-Kingsville	17,378	7,088	4,548	487	2,504	2,751	0
TX A&M U. System Health Science Ctr.	82,839	33,511	11,348	1,231	4,877	27,570	4,302
TX Southern U.	7,003	5,240	1,551	0	212	0	NA
TX State U.-San Marcos	30,560	8,904	5,646	541	4,111	11,358	0
TX Tech U.	133,360	35,970	13,740	10,100	11,040	62,510	0
TX Tech U. Health Sciences Ctr.	51,282	12,950	29,208	1,035	2,920	5,169	0
TX Woman's U.	2,271	822	471	5	271	702	0
U. Houston	119,811	52,920	33,168	6,364	6,473	20,886	0
U. Houston-Clear Lake	1,279	301	766	12	93	107	0
U. Houston-Downtown	1,013	908	6	79	0	20	0
U. North TX	31,496	17,511	678	742	1,233	11,326	6
U. North TX Health Science Ctr.	38,862	25,847	1,317	1,932	1,486	7,968	312
U. TX Arlington	71,414	31,628	10,084	4,790	3,295	21,617	0
U. TX Austin	589,502	350,308	24,389	56,448	37,423	116,583	4,351

TABLE 33. Higher education R&D expenditures, by state, institutional control, institution, and source of funds: FY 2010

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
U. TX Brownsville	6,886	5,640	737	0	40	469	0
U. TX Dallas	82,044	30,754	17,249	6,351	7,693	19,997	0
U. TX El Paso	68,870	34,617	13,726	1,017	8,459	11,051	0
U. TX Health Science Ctr. Houston	240,772	150,324	43,544	9,112	26,213	11,579	0
U. TX Health Science Ctr. San Antonio	207,115	121,723	6,949	15,499	20,181	42,763	0
U. TX M. D. Anderson Cancer Ctr.	599,529	206,664	176,806	50,712	81,656	83,691	0
U. TX Medical Branch	188,399	128,840	1,675	3,665	14,813	39,406	0
U. TX of the Permian Basin	1,417	677	1	0	0	96	643
U. TX Pan American	8,693	5,544	1,725	376	574	474	0
U. TX San Antonio	56,279	28,717	12,431	453	4,361	10,317	0
U. TX Southwestern Medical Ctr. Dallas	419,220	232,027	49,817	19,616	44,843	42,634	30,283
U. TX Tyler	5,679	3,378	2,021	280	0	0	0
West TX A&M U.	7,346	2,100	205	1,001	442	3,598	NA
Private	584,917	375,498	4,421	22,764	47,557	111,815	22,862
Abilene Christian U.	662	537	0	0	37	88	0
Baylor C. of Medicine	447,874	284,072	2,491	14,213	36,132	88,150	22,816
Baylor U.	10,925	2,947	261	521	1,373	5,792	31
Jarvis Christian C.	216	184	0	0	32	0	0
LeTourneau U.	773	273	0	63	363	74	0
Rice U.	97,903	69,395	1,075	5,913	8,427	13,093	0
Southern Methodist U.	18,742	13,312	167	457	813	3,993	0
St. Mary's U. (San Antonio, TX)	495	20	0	0	0	475	0
TX Christian U.	5,306	3,373	229	1,568	NA	136	NA
Trinity U.	1,446	1,023	0	29	365	14	15
Wiley C.	575	362	198	0	15	0	0
Utah	562,349	340,072	30,420	26,897	19,398	137,021	8,541
Public	529,352	317,957	28,704	23,259	18,522	132,527	8,383
U. UT	379,200	227,021	1,422	18,060	18,108	113,847	742
UT State U.	149,169	90,581	27,035	4,821	411	18,680	7,641
Weber State U.	983	355	247	378	3	0	0
Private	32,997	22,115	1,716	3,638	876	4,494	158
Brigham Young U.	32,997	22,115	1,716	3,638	876	4,494	158
Vermont	132,792	101,367	312	1,899	6,434	22,780	0
Public	129,856	98,635	312	1,899	6,387	22,623	0
U. VT	129,856	98,635	312	1,899	6,387	22,623	0
Private	2,936	2,732	0	0	47	157	0
Middlebury C.	2,292	2,245	0	0	47	0	0
St. Michael's C.	644	487	0	0	0	157	0

TABLE 33. Higher education R&D expenditures, by state, institutional control, institution, and source of funds: FY 2010

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
Virginia	1,199,756	726,037	116,480	46,105	61,583	241,063	8,488
Public	1,134,511	679,400	116,211	43,229	48,418	238,780	8,473
Christopher Newport U.	1,110	1,049	8	46	7	0	0
C. of William and Mary and VA Institute of Marine Science	57,461	27,685	2,552	2,445	4,823	19,295	661
George Mason U.	84,120	63,011	1,783	605	4,335	14,019	367
James Madison U.	7,038	5,563	112	0	NA	235	1,128
Norfolk State U.	5,944	5,413	21	NA	NA	0	510
Old Dominion U.	97,176	34,687	4,636	3,143	1,996	52,430	284
Radford U.	680	292	28	67	21	272	0
U. VA main campus	276,308	228,917	548	6,491	11,469	25,871	3,012
U. VA's C. Wise, The	481	76	244	0	0	161	0
VA Commonwealth U.	197,709	144,138	8,712	9,134	7,164	28,561	0
VA Military Institute	849	451	86	37	25	250	0
VA Polytechnic Institute and State U.	398,169	162,566	97,409	21,256	18,507	95,925	2,506
VA State U.	7,466	5,552	72	5	71	1,761	5
Private	65,245	46,637	269	2,876	13,165	2,283	15
Eastern VA Medical School	44,420	29,291	260	2,608	12,075	186	0
Hampton U.	14,455	14,455	0	0	0	0	NA
Roanoke C.	1,379 i	107 i	0 i	0 i	0 i	1,272 i	0 i
U. Richmond	4,052	2,138	9	0	1,065	825	15
Washington and Lee U.	939	646	0	268	25	0	0
Washington	1,357,983	959,475	81,750	101,961	14,671	162,573	37,553
Public	1,348,492	953,920	81,664	101,792	12,858	160,856	37,402
Central WA U.	5,159	4,038	378	140	24	579	0
Eastern WA U.	3,266	46	2,377	76	568	199	0
Evergreen State C.	902	886	7	0	9	0	0
U. WA Bothell	630	446	28	89	NA	13	54
U. WA Seattle	1,022,740	829,885	23,273	91,946	NA	43,506	34,130
U. WA Tacoma	872	573	92	76	NA	30	101
WA State U.	304,352	113,452	54,698	9,369	11,821	111,895	3,117
Western WA U.	10,571	4,594	811	96	436	4,634	0
Private	9,491	5,555	86	169	1,813	1,717	151
Bastyr U.	1,572	1,211	0	135	0	226	0
Gonzaga U.	1,249	609	0	2	571	67	0
Northwest Indian C.	2,426	1,943	57	0	60	366	0
Pacific Lutheran U.	425	169	0	0	125	131	0
Seattle Pacific U.	684	114	19	2	180	218	151
Seattle U.	1,259 i	263 i	10 i	18 i	398 i	570 i	0 i
U. Puget Sound	461	166	0	12	144	139	0

TABLE 33. Higher education R&D expenditures, by state, institutional control, institution, and source of funds: FY 2010

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
Whitman C.	1,415	1,080	0	0	335	0	0
West Virginia	194,834	109,732	13,537	5,272	2,606	63,287	400
Public	185,436	100,964	13,341	5,221	2,281	63,287	342
Marshall U.	24,501	18,218	1,385	151	341	4,158	248
West Liberty State C.	1,645	550	600	0	385	110	0
WV School of Osteopathic Medicine	594	22	0	0	0	572	0
WV State U.	3,770	2,759	1,011	0	0	0	0
WV U.	154,926	79,415	10,345	5,070	1,555	58,447	94
Private	9,398	8,768	196	51	325	0	58
Wheeling Jesuit U.	9,398	8,768	196	51	325	0	58
Wisconsin	1,335,621	722,841	124,244	25,924	157,676	265,396	39,540
Public	1,124,767	589,830	123,867	14,383	136,435	220,712	39,540
U. WI-Eau Claire	1,950	1,320	230	68	46	101	185
U. WI-Green Bay	1,219	778	71	179	16	134	41
U. WI-La Crosse	4,141	2,150	738	625	3	241	384
U. WI-Madison	1,029,295	545,189	96,605	11,594	131,364	208,479	36,064
U. WI-Milwaukee	71,181	29,042	24,944	1,341	4,853	9,676	1,325
U. WI-Oshkosh	1,556	832	174	46	59	267	178
U. WI-Parkside	541	127	139	87	0	157	31
U. WI-Platteville	681	46	473	11	12	116	23
U. WI-River Falls	441	134	77	18	18	174	20
U. WI-Stevens Point	6,766	4,456	214	147	29	955	965
U. WI-Stout	388	148	50	5	0	173	12
U. WI-Superior	5,890	5,197	0	245	34	156	258
U. WI-Whitewater	718	411	152	17	1	83	54
Private	210,854	133,011	377	11,541	21,241	44,684	0
Lawrence U.	784	703	0	0	0	81	0
Marquette U.	14,310	9,381	182	453	1,832	2,462	0
Medical C. WI	191,816	121,750	195	9,207	19,077	41,587	0
Milwaukee School of Engineering	3,944	1,177	0	1,881	332	554	0
Wyoming	55,319	45,323	4,215	1,930	512	2,981	358
Public	55,319	45,323	4,215	1,930	512	2,981	358
U. WY	55,319	45,323	4,215	1,930	512	2,981	358
Guam	5,555	4,962	94	481	18	0	0
Public	5,555	4,962	94	481	18	0	0
U. GU	5,555	4,962	94	481	18	0	0

TABLE 33. Higher education R&D expenditures, by state, institutional control, institution, and source of funds: FY 2010

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
Puerto Rico	125,313	84,304	2,442	4,765	2,635	30,868	299
Public	99,212	67,119	1,894	3,917	2,635	23,348	299
U. PR Cayey	927	710	0	0	0	217	0
U. PR Humacao	2,161 i	2,144 i	0 i	0 i	0 i	17 i	0 i
U. PR Mayaguez	26,475	12,735	726	1,555	2,615	8,811	33
U. PR Medical Sciences Campus	39,134	29,813	1,045	2,346	NA	5,930	0
U. PR Río Piedras	30,515	21,717	123	16	20	8,373	266
Private	26,101	17,185	548	848	0	7,520	0
Carlos Albizu U. (San Juan, PR)	165	0	0	0	0	165	0
Ponce School of Medicine	8,934	7,569	517	848	NA	0	NA
Universidad Central del Caribe	7,122	6,504	31	0	0	587	0
Universidad del Este	1,372	1,139	0	0	0	233	0
Universidad del Turabo	6,620	691	0	0	0	5,929	0
Universidad Metropolitana	1,888	1,282	0	0	0	606	0
Virgin Islands	32,350	28,369	1,887	0	0	0	2,094
Public	32,350	28,369	1,887	0	0	0	2,094
U. of the VI	32,350	28,369	1,887	0	0	0	2,094

i = imputed. NA = not available; data were not provided by institution.

<sup>a</sup> The Johns Hopkins University includes Applied Physics Laboratory, with \$1,079,931 in total R&D expenditures in FY 2010.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE 34. Total and federally financed higher education R&D expenditures received as a subrecipient, by state, institutional control, and institution: FY 2010

(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures received	From educational pass-through entities	From other pass-through entities	All R&D expenditures received	From educational pass-through entities	From other pass-through entities
<b>Alabama</b>						
Public						
AL A&M U.	2,019	1,109	910	1,518	1,071	447
AL State U.	0	0	0	0	0	0
Auburn U. main campus	18,445 i	6,777 i	11,668 i	16,582	6,051	10,531
Auburn U. Montgomery	0	0	0	0	0	0
Jacksonville State U.	0	0	0	0	0	0
U. AL Birmingham, The	43,554	24,701	18,853	43,554	24,701	18,853
U. AL Huntsville, The	11,048	1,747	9,301	11,048	1,747	9,301
U. AL, The	7,760	2,526	5,234	7,670	2,479	5,191
U. South AL	1,087	491	596	1,087	491	596
Private						
Tuskegee U.	6 i	6 i	0 i	0 i	0 i	0 i
<b>Alaska</b>						
Public						
U. AK Anchorage	1,363	51	1,312	1,363	51	1,312
U. AK Fairbanks	6,957	3,445	3,512	6,957	3,445	3,512
U. AK Southeast	110	68	42	110	68	42
Private						
AK Pacific U.	147	65	82	147	65	82
<b>Arizona</b>						
Public						
AZ State U.	26,396	12,660	13,736	26,396	12,660	13,736
Northern AZ U.	1,462 i	600 i	862 i	1,462 i	600 i	862 i
U. AZ	60,190 i	19,775 i	40,415 i	54,497	17,556	36,941
<b>Arkansas</b>						
Public						
AR State U. main campus	1,230	367	863	1,214	353	861
AR Tech U.	53 i	26 i	27 i	45 i	22 i	23 i
U. AR main campus	8,385	3,168	5,217	7,779	2,977	4,802
U. AR for Medical Sciences	13,121	2,504	10,617	12,350	2,210	10,140
U. AR Little Rock	2,855	569	2,286	2,855	569	2,286
U. AR Pine Bluff	490	490	0	490	490	0
U. Central AR	565	406	159	565	406	159

TABLE 34. Total and federally financed higher education R&D expenditures received as a subrecipient, by state, institutional control, and institution: FY 2010

(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures received	From educational pass-through entities	From other pass-through entities	All R&D expenditures received	From educational pass-through entities	From other pass-through entities
Private						
Hendrix C.	290	224	66	290	224	66
California						
Public						
CA Polytechnic State U., San Luis Obispo	2,953	1,237	1,716	2,953	1,237	1,716
CA State Polytechnic U., Pomona	590	285	305	590	285	305
CA State U., Bakersfield	219	219	0	219	219	0
CA State U., Chico	613	203	410	613	203	410
CA State U., Dominguez Hills	1,073	1,073	0	1,073	1,073	0
CA State U., East Bay	856 i	856 i	0 i	216 i	216 i	0 i
CA State U., Fresno	851	477	374	691	336	355
CA State U., Fullerton	3,131	1,070	2,061	1,208	130	1,078
CA State U., Long Beach	3,164	1,445	1,719	2,770	1,051	1,719
CA State U., Los Angeles	374	374	0	374	374	0
CA State U., Monterey Bay	525	131	394	403	106	297
CA State U., Northridge	2,443	1,215	1,228	1,998	1,200	798
CA State U., Sacramento	2,223	505	1,718	2,014	453	1,561
CA State U., San Bernardino	131	101	30	131	101	30
CA State U., San Marcos	243	172	71	160	94	66
Humboldt State U.	308	163	145	302	160	142
Naval Postgraduate School	1,700	338	1,362	0	0	0
San Diego State U.	6,470	4,421	2,049	5,518	3,469	2,049
San Francisco State U.	1,200	1,139	61	872	811	61
San Jose State U.	7,875	1,420	6,455	7,856	1,401	6,455
Sonoma State U.	225	191	34	225	191	34
U. CA Office of the President	5,544 i	2,414 i	3,130 i	0 i	0 i	0 i
U. CA, Berkeley	53,045 i	23,090 i	29,955 i	48,042 i	21,140 i	26,902 i
U. CA, Davis	51,965 i	22,620 i	29,345 i	47,063 i	20,709 i	26,354 i
U. CA, Irvine	25,037 i	10,898 i	14,139 i	22,677 i	9,978 i	12,699 i
U. CA, Los Angeles	71,613 i	31,174 i	40,439 i	64,860 i	28,541 i	36,319 i
U. CA, Merced	1,650 i	718 i	932 i	1,497 i	659 i	838 i
U. CA, Riverside	9,957 i	4,335 i	5,622 i	9,020 i	3,970 i	5,050 i
U. CA, San Diego	72,089 i	31,381 i	40,708 i	65,290 i	28,730 i	36,560 i
U. CA, San Francisco	63,068	35,365	27,703	54,643	30,306	24,337
U. CA, Santa Barbara	17,252 i	7,509 i	9,743 i	15,626 i	6,876 i	8,750 i
U. CA, Santa Cruz	10,999 i	4,787 i	6,212 i	9,964 i	4,384 i	5,580 i



TABLE 34. Total and federally financed higher education R&D expenditures received as a subrecipient, by state, institutional control, and institution: FY 2010

(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures received	From educational pass-through entities	From other pass-through entities	All R&D expenditures received	From educational pass-through entities	From other pass-through entities
Private						
CA Institute of Technology	29,279	16,163	13,116	29,279	16,163	13,116
Chapman U.	235	235	0	222	222	0
Charles R. Drew U. of Medicine and Science	1,004	890	114	1,004	890	114
Claremont Graduate U.	1,400	1,400	0	1,400	1,400	0
Claremont McKenna C.	167	167	0	167	167	0
Fuller Theological Seminary	10	10	0	0	0	0
Harvey Mudd C.	51	51	0	51	51	0
Loma Linda U.	4,404	1,855	2,549	4,284	1,739	2,545
Loyola Marymount U.	363	342	21	363	342	21
Mills C.	80	80	0	53	53	0
Mt. St. Mary's C. (Los Angeles, CA)	0	0	0	0	0	0
Occidental C.	114	114	0	0	0	0
Pepperdine U.	0	0	0	0	0	0
Pitzer C.	0 i	0 i	0 i	0 i	0 i	0 i
Pomona C.	73	73	0	73	73	0
Santa Clara U.	801	657	144	652	616	36
Scripps Research Institute, The	28,858	13,193	15,665	27,753	12,897	14,856
Stanford U.	92,052	53,559	38,493	79,980	45,968	34,012
Touro U.-CA	0	0	0	0	0	0
U. Redlands	108	88	20	108	88	20
U. San Diego	242	109	133	115	78	37
U. San Francisco	41	41	0	41	41	0
U. Southern CA	56,356	27,002	29,354	50,602	24,201	26,401
U. of the Pacific	318	318	0	293	293	0
Vanguard U. Southern CA	47 i	37 i	10 i	43 i	35 i	8 i
Western U. of Health Sciences	292	292	0	292	292	0
Colorado						
Public						
CO School of Mines	12,422 i	2,460 i	9,962 i	12,116	2,340	9,776
CO State U.	27,081	12,825	14,256	26,080	11,968	14,112
CO State U. Pueblo	293	249	44	249	249	0
Ft. Lewis C.	29	29	0	29	29	0
Mesa State C.	239	42	197	224	27	197
U.S. Air Force Academy	300	0	300	300	0	300
U. CO Boulder	42,472	33,321	9,151	42,472	33,321	9,151
U. CO Colorado Springs	1,142	503	639	1,142	503	639
U. CO Denver and Health Sciences Ctr.	42,619	24,206	18,413	42,619	24,206	18,413

TABLE 34. Total and federally financed higher education R&D expenditures received as a subrecipient, by state, institutional control, and institution: FY 2010

(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures received	From educational pass-through entities	From other pass-through entities	All R&D expenditures received	From educational pass-through entities	From other pass-through entities
U. Northern CO	995	449	546	995	449	546
Private						
CO C.	81	77	4	77	77	0
U. Denver	2,249	893	1,356	2,209	891	1,318
Connecticut						
Public						
Central CT State U.	217	203	14	217	203	14
Southern CT State U.	0	0	0	0	0	0
U.S. Coast Guard Academy	1	1	0	1	1	0
U. CT	23,024	10,987	12,037	19,711	10,218	9,493
Private						
CT C.	70	70	0	70	70	0
Fairfield U.	593	51	542	593	51	542
Trinity C. (Hartford, CT)	146	137	9	146	137	9
U. Hartford	25	25	0	24	24	0
Wesleyan U.	200	153	47	200	153	47
Yale U.	40,046	19,048	20,998	40,046	19,048	20,998
Delaware						
Public						
DE State U.	1,522	1,503	19	1,522	1,503	19
U. DE	13,555	4,573	8,982	13,552	4,570	8,982
District of Columbia						
Public						
U. DC	80	80	0	80	80	0
Private						
American U.	1,239	137	1,102	634	54	580
Catholic U. America, The	6,537	635	5,902	6,537	635	5,902
Gallaudet U.	575	573	2	575	573	2
George Washington U.	11,361	4,140	7,221	9,661	3,767	5,894
Georgetown U.	11,798	6,777	5,021	10,142	5,525	4,617
Howard U.	5,055	2,965	2,090	5,055	2,965	2,090
Florida						
Public						
FL A&M U.	494	183	311	4	0	4
FL Atlantic U.	2,379	1,571	808	2,379	1,571	808

TABLE 34. Total and federally financed higher education R&D expenditures received as a subrecipient, by state, institutional control, and institution: FY 2010

(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures received	From educational pass-through entities	From other pass-through entities	All R&D expenditures received	From educational pass-through entities	From other pass-through entities
FL Gulf Coast U.	0	0	0	0	0	0
FL International U.	4,331	2,475	1,856	4,125	2,475	1,650
FL State U.	18,517	7,072	11,445	18,334	6,889	11,445
New C. FL	84	84	0	84	84	0
U. Central FL	14,302 i	4,231 i	10,071 i	13,308	3,843	9,465
U. FL	137,317	31,583	105,734	130,451	30,061	100,390
U. North FL	1,092	373	719	1,039	373	666
U. South FL	29,427 i	12,809 i	16,618 i	26,650 i	11,726 i	14,924 i
U. South FL Polytechnic	72 i	35 i	37 i	61 i	30 i	31 i
U. South FL Sarasota-Manatee	82 i	38 i	44 i	70 i	33 i	37 i
U. South FL St. Petersburg	498 i	236 i	262 i	433 i	208 i	225 i
U. West FL	2,949 i	507 i	2,442 i	2,812	454	2,358
Private						
Barry U.	0	0	0	0	0	0
Eckerd C.	27	27	0	27	27	0
Embry-Riddle Aeronautical U.	985 i	522 i	463 i	887 i	476 i	411 i
FL Institute of Technology	2,340	497	1,843	2,335	492	1,843
Jacksonville U.	29	0	29	0	0	0
Nova Southeastern U.	1,129	323	806	1,067	323	744
U. Miami	19,237	11,412	7,825	17,943	10,327	7,616
Georgia						
Public						
Albany State U.	30	26	4	26	26	0
Armstrong Atlantic State U.	482	482	0	482	482	0
Ft. Valley State U.	313	313	0	313	313	0
GA Institute of Technology	71,400 i	27,058 i	44,342 i	66,418	25,115	41,303
GA Southern U.	95	43	52	95	43	52
GA State U.	4,439	1,388	3,051	4,439	1,388	3,051
Kennesaw State U.	416	32	384	412	28	384
Medical C. GA	3,583	2,873	710	3,578	2,868	710
North GA C. & State U.	16	16	0	16	16	0
Savannah State U.	244	244	0	244	244	0
Southern Polytechnic State U.	164	158	6	158	158	0
U. GA	23,956 i	18,230 i	5,726 i	21,668	17,337	4,331
U. West GA	335	263	72	297	255	42
Private						
Agnes Scott C.	258	258	0	258	258	0

TABLE 34. Total and federally financed higher education R&D expenditures received as a subrecipient, by state, institutional control, and institution: FY 2010

(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures received	From educational pass-through entities	From other pass-through entities	All R&D expenditures received	From educational pass-through entities	From other pass-through entities
Clark Atlanta U.	596	539	57	596	539	57
Emory U.	40,093	21,402	18,691	38,333	20,763	17,570
Mercer U.	4,042	99	3,943	99	99	0
Morehouse C.	623	623	0	623	623	0
Morehouse School of Medicine	3,682 i	3,279 i	403 i	3,429 i	3,279 i	150 i
Spelman C.	473	473	0	473	473	0
Hawaii						
Public						
U. HI Hilo	740	740	0	477	477	0
U. HI Manoa	28,516	6,774	21,742	28,230	6,707	21,523
Idaho						
Public						
Boise State U.	5,000	3,058	1,942	4,886	2,954	1,932
ID State U.	5,010	1,295	3,715	4,700	985	3,715
U. ID	8,632	2,939	5,693	8,190	2,937	5,253
Illinois						
Public						
Chicago State U.	0	0	0	0	0	0
Eastern IL U.	74	21	53	74	21	53
Governors State U.	0	0	0	0	0	0
IL State U.	2,704	753	1,951	2,599	709	1,890
Northeastern IL U.	226	43	183	226	43	183
Northern IL U.	1,065	785	280	1,065	785	280
Southern IL U. Carbondale	3,336	1,797	1,539	3,336	1,797	1,539
Southern IL U. Edwardsville	1,448	510	938	1,448	510	938
U. IL Chicago	24,268	15,130	9,138	23,962	14,839	9,123
U. IL Springfield	30	15	15	28	15	13
U. IL Urbana-Champaign	54,985	30,208	24,777	51,251	27,581	23,670
Western IL U.	0	0	0	0	0	0
Private						
Augustana C. (Rock Island, IL)	0	0	0	0	0	0
Benedictine U.	0	0	0	0	0	0
Bradley U.	78	78	0	78	78	0
DePaul U.	477	435	42	440	398	42
IL Institute of Technology	4,375	2,560	1,815	3,805	2,334	1,471
IL Wesleyan U.	0	0	0	0	0	0

TABLE 34. Total and federally financed higher education R&D expenditures received as a subrecipient, by state, institutional control, and institution: FY 2010

(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures received	From educational pass-through entities	From other pass-through entities	All R&D expenditures received	From educational pass-through entities	From other pass-through entities
Lake Forest C.	0	0	0	0	0	0
Loyola U. Chicago	6,273	3,672	2,601	5,212	3,251	1,961
Midwestern U. (Downers Grove, IL)	2	2	0	2	2	0
National U. of Health Sciences	0	0	0	0	0	0
Northwestern U.	51,713	27,368 i	24,345 i	45,049	24,364 i	20,685 i
Rosalind Franklin U. of Medicine and Science	656	578	78	578	578	0
Rush U.	7,071	4,129	2,942	7,071	4,129	2,942
U. Chicago	47,974	35,961	12,013	46,276	34,839	11,437
<b>Indiana</b>						
<b>Public</b>						
Ball State U.	1,376	410	966	1,131	253	878
IN State U.	263	180	83	246	163	83
IN U. Bloomington	12,714	8,193 i	4,521 i	12,039	7,758	4,281
IN U. South Bend	18	18	0	18	18	0
IN U. Southeast	0	0	0	0	0	0
IN U.-Purdue U. Ft. Wayne	1,119	224	895	312	224	88
IN U.-Purdue U. Indianapolis	20,231	10,703 i	9,528 i	17,870	9,454	8,416
Purdue U. main campus	60,596	23,726	36,870	41,784	23,726	18,058
Purdue U. Calumet	1,036	118	918	718	118	600
Purdue U. North Central	15	0	15	15	0	15
<b>Private</b>						
DePauw U.	0	0	0	0	0	0
Rose-Hulman Institute of Technology	891	341	550	891	341	550
U. of Notre Dame	9,892	4,218	5,674	9,312	3,836	5,476
Valparaiso U.	175	115	60	87	58	29
Wabash C.	0	0	0	0	0	0
<b>Iowa</b>						
<b>Public</b>						
IA State U.	20,099 i	8,750 i	11,349 i	17,224	8,011 i	9,213 i
U. IA	33,125	19,706	13,419	33,125	19,706	13,419
U. Northern IA	127	70	57	127	70	57
<b>Private</b>						
Coe C.	11	11	0	11	11	0
Des Moines U.	14	14	0	14	14	0
Drake U.	279	279	0	279	279	0
Grinnell C.	0	0	0	0	0	0
Luther C.	13	13	0	0	0	0

TABLE 34. Total and federally financed higher education R&D expenditures received as a subrecipient, by state, institutional control, and institution: FY 2010

(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures received	From educational pass-through entities	From other pass-through entities	All R&D expenditures received	From educational pass-through entities	From other pass-through entities
Palmer C. of Chiropractic	189	189	0	189	189	0
Kansas						
Public						
Haskell Indian Nations U.	264	264	0	208	208	0
KS State U.	11,397 i	5,897 i	5,500 i	9,514	5,163	4,351
Pittsburg State U.	81	66	15	81	66	15
U. KS	18,474	7,025	11,449	16,290	6,638	9,652
Wichita State U.	4,621	1,355	3,266	4,514	1,248	3,266
Kentucky						
Public						
Eastern KY U.	451	257	194	400	206	194
KY State U.	330	330	0	330	330	0
Morehead State U.	809	601	208	734	601	133
Murray State U.	1,700	569	1,131	1,486	462	1,024
Northern KY U.	775	738	37	775	738	37
U. KY	36,349 i	10,859	25,490 i	32,498	9,168	23,330
U. Louisville	21,022	4,851	16,171	18,342	4,492	13,850
Western KY U.	3,122	476	2,646	3,053	452	2,601
Louisiana						
Public						
Grambling State U.	818	818	0	818	818	0
LA State U. and A&M C.	23,312	13,101	10,211	23,312	13,101	10,211
LA State U. Health Sciences Ctr. New Orleans	7,009	4,101	2,908	7,009	4,101	2,908
LA State U. Medical Ctr. Shreveport	574	368	206	574	368	206
LA State U. Shreveport	571	571	0	540	540	0
LA Tech U.	2,896	1,068	1,828	2,896	1,068	1,828
McNeese State U.	59	19	40	59	19	40
Nicholls State U.	405	89	316	0	0	0
Northwestern State U.	258	119	139	0	0	0
Southeastern LA U.	556	269	287	375	203	172
Southern U. Baton Rouge	2,391 i	1,040 i	1,351 i	2,165 i	952 i	1,213 i
Southern U. New Orleans	0	0	0	0	0	0
U. LA Lafayette	5,580	1,396	4,184	5,230	1,109	4,121
U. LA Monroe	1,024	818	206	1,024	818	206
U. New Orleans	11,434	8,441	2,993	4,325	1,899	2,426

TABLE 34. Total and federally financed higher education R&D expenditures received as a subrecipient, by state, institutional control, and institution: FY 2010

(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures received	From educational pass-through entities	From other pass-through entities	All R&D expenditures received	From educational pass-through entities	From other pass-through entities
<b>Private</b>						
Dillard U.	418	119	299	0	0	0
Loyola U. New Orleans	11	11	0	11	11	0
Tulane U.	30,997	15,603	15,394	28,599	13,998	14,601
Xavier U. LA	1,689	638	1,051	1,484	572	912
<b>Maine</b>						
<b>Public</b>						
U. ME	14,863	2,553	12,310	13,248	2,553	10,695
U. Southern ME	4,840	540	4,300	4,512	398	4,114
<b>Private</b>						
Bates C.	558	112	446	512	66	446
Bowdoin C.	891	307	584	884	300	584
Colby C.	512	159	353	512	159	353
St. Joseph's C. (Standish, ME)	31	31	0	31	31	0
U. New England	589	57	532	587	57	530
<b>Maryland</b>						
<b>Public</b>						
Frostburg State U.	0	0	0	0	0	0
Morgan State U.	817	652	165	817	652	165
Salisbury U.	473	387	86	473	387	86
St. Mary's C. MD	81	81	0	81	81	0
Towson U.	345	133	212	343	131	212
Uniformed Services U. of the Health Sciences	0	0	0	0	0	0
U.S. Naval Academy	128	0	128	0	0	0
U. Baltimore	1,597	107	1,490	1,459	51	1,408
U. MD Baltimore	17,741	15,195	2,546	72	0	72
U. MD Baltimore County	11,675	7,224	4,451	11,675	7,224	4,451
U. MD Ctr. for Environmental Science	4,267	1,920	2,347	1,212	545	667
U. MD College Park	40,958	13,307	27,651	31,817	10,958	20,859
U. MD Eastern Shore	285	285	0	285	285	0
<b>Private</b>						
Goucher C.	322	0	322	322	0	322
Johns Hopkins U., The <sup>a</sup>	66,779	44,548	22,231	59,331	40,645	18,686
Loyola C.	54	0	54	32	0	32

TABLE 34. Total and federally financed higher education R&D expenditures received as a subrecipient, by state, institutional control, and institution: FY 2010

(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures received	From educational pass-through entities	From other pass-through entities	All R&D expenditures received	From educational pass-through entities	From other pass-through entities
<b>Massachusetts</b>						
Public						
Bridgewater State C.	81	41	40	81	41	40
Fitchburg State C.	0	0	0	0	0	0
U. MA Amherst	11,718	7,652	4,066	11,108	7,125	3,983
U. MA Boston	4,766	2,153	2,613	4,572	2,000	2,572
U. MA Dartmouth	3,196	1,581	1,615	2,774	1,506	1,268
U. MA Lowell	6,410	3,163	3,247	6,410	3,163	3,247
U. MA Worcester	17,765	8,402	9,363	15,781	7,537	8,244
Private						
Amherst C.	10	10	0	10	10	0
Boston C.	5,497	745	4,752	5,047	534	4,513
Boston U.	45,958	18,258	27,700	45,855	18,258	27,597
Brandeis U.	5,122	1,776	3,346	5,033	1,754	3,279
Clark U.	175	80	95	175	80	95
C. of the Holy Cross	45	45	0	45	45	0
Hampshire C.	15	11	4	15	11	4
Harvard U.	72,093	31,270	40,823	59,933	26,373	33,560
MA C. of Pharmacy and Health Sciences	38	35	3	38	35	3
MA Institute of Technology	104,085	46,216	57,869	92,804	41,975	50,829
Mt. Holyoke C.	369	178	191	243	178	65
New England C. of Optometry	21	0	21	21	0	21
Northeastern U.	8,185	3,728	4,457	8,171	3,724	4,447
Simmons C.	140	140	0	140	140	0
Smith C.	418	414	4	406	402	4
Tufts U.	11,607	4,839	6,768	10,916	4,407	6,509
Wellesley C.	1,413	1,022	391	1,284	925	359
Williams C.	229	200	29	229	200	29
Woods Hole Oceanographic Institution	22,507	9,900	12,607	22,507	9,900	12,607
Worcester Polytechnic Institute	2,245	527	1,718	2,219	501	1,718
<b>Michigan</b>						
Public						
Central MI U.	2,287	408	1,879	1,859	341	1,518
Eastern MI U.	2,870	319	2,551	2,643	272	2,371
Grand Valley State U.	308	65	243	308	65	243
MI State U.	30,810	18,239	12,571	29,597	18,085	11,512
MI Technological U.	5,316	1,463	3,853	5,316	1,463	3,853
Northern MI U.	0	0	0	0	0	0



TABLE 34. Total and federally financed higher education R&D expenditures received as a subrecipient, by state, institutional control, and institution: FY 2010

(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures received	From educational pass-through entities	From other pass-through entities	All R&D expenditures received	From educational pass-through entities	From other pass-through entities
Oakland U.	635	349	286	635	349	286
Saginaw Valley State U.	93	19	74	77	3	74
U. MI-Ann Arbor	96,586	43,499	53,087	85,483	38,342	47,141
U. MI-Dearborn	678	19	659	231	19	212
U. MI-Flint	0	0	0	0	0	0
Wayne State U.	19,331	11,739	7,592	19,331	11,739	7,592
Western MI U.	4,937	2,360	2,577	4,910	2,360	2,550
Private						
Andrews U.	0	0	0	0	0	0
Calvin C.	434	8	426	426	0	426
Hope C.	44	44	0	44	44	0
Kalamazoo C.	0	0	0	0	0	0
Kettering U.	1,911	1,019	892	1,841	970	871
Lawrence Technological U.	1,079	706	373	1,079	706	373
U. Detroit Mercy	460	45	415	460	45	415
Minnesota						
Public						
MN State U. Mankato	293 i	128 i	165 i	265 i	117 i	148 i
St. Cloud State U.	252	146	106	193	123	70
U. MN Duluth	1,573	830	743	1,405	830	575
U. MN Morris	0	0	0	0	0	0
U. MN Rochester	0	0	0	0	0	0
U. MN Twin Cities	63,415	35,833	27,582	56,622	33,919	22,703
Winona State U.	111	111	0	111	111	0
Private						
Carleton C.	313	277	36	295	259	36
Concordia C.	20	20	0	20	20	0
Gustavus Adolphus C.	23	8	15	23	8	15
Macalester C.	67	67	0	67	67	0
Northwestern Health Sciences U.	1	0	1	1	0	1
St. John's U. (Collegeville, MN)	0	0	0	0	0	0
St. Olaf C.	0	0	0	0	0	0
U. of St. Thomas (St. Paul, MN)	208	208	0	130	130	0
Mississippi						
Public						
Alcorn State U.	599	285	314	599	285	314
Jackson State U.	9,214	4,743	4,471	9,176	4,705	4,471

TABLE 34. Total and federally financed higher education R&D expenditures received as a subrecipient, by state, institutional control, and institution: FY 2010

(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures received	From educational pass-through entities	From other pass-through entities	All R&D expenditures received	From educational pass-through entities	From other pass-through entities
MS State U.	23,308	4,887	18,421	23,266	4,845	18,421
MS Valley State U.	60	60	0	24	24	0
U. MS and U. MS Medical Ctr.	12,460	3,641	8,819	12,346	3,527	8,819
U. Southern MS	15,622	5,907	9,715	14,236	5,360	8,876
Private						
Millsaps C.	124	124	0	124	124	0
Tougaloo C.	337	337	0	337	337	0
Missouri						
Public						
Lincoln U. (Jefferson City, MO)	1,358	13	1,345	1,358	13	1,345
MO State U.	2,492	660	1,832	2,395	620	1,775
MO U. of Science and Technology	9,875 i	2,453 i	7,422 i	9,589	2,342	7,247
Truman State U.	134	134	0	122	122	0
U. MO-Columbia	19,223 i	8,674 i	10,549 i	16,739	7,706	9,033
U. MO-Kansas City	2,723 i	2,068 i	655 i	2,442	1,958	484
U. MO-St. Louis	1,355 i	383 i	972 i	1,203	324	879
Private						
A. T. Still U. of Health Sciences	20	20	0	20	20	0
Kansas City U. of Medicine and Biosciences	0	0	0	0	0	0
St. Louis U.	7,088	5,124	1,964	5,148	3,591	1,557
Washington U. St. Louis	48,421	31,841	16,580	42,719	30,277	12,442
Montana						
Public						
MT State U. Billings	270	270	0	270	270	0
MT State U. Bozeman	16,500	6,111	10,389	14,148	5,241	8,907
MT Tech of the U. MT	2,986	757	2,229	2,986	757	2,229
U. MT-Missoula, The	7,418	5,082	2,336	7,418	5,082	2,336
U. MT Western, The	253	253	0	253	253	0
Private						
Salish Kootenai C.	139	136	3	139	136	3
Nebraska						
Public						
U. NE Kearney	731	520	211	0	0	0
U. NE-Lincoln	16,734	7,096	9,638	16,619	7,045	9,574
U. NE Medical Ctr.	7,957	4,395	3,562	7,874	4,395	3,479
U. NE Omaha	1,620	1,332	288	1,620	1,332	288

TABLE 34. Total and federally financed higher education R&D expenditures received as a subrecipient, by state, institutional control, and institution: FY 2010  
(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures received	From educational pass-through entities	From other pass-through entities	All R&D expenditures received	From educational pass-through entities	From other pass-through entities
Private						
Creighton U.	14,300	10,550	3,750	6,100	4,850	1,250
Nevada						
Public						
Desert Research Institute	6,311	3,068	3,243	6,311	3,068	3,243
U. NV, Las Vegas	13,565	6,021	7,544	11,776	5,119	6,657
U. NV, Reno	11,613	5,070	6,543	11,613	5,070	6,543
New Hampshire						
Public						
Plymouth State U.	211 i	198 i	13 i	198 i	198 i	0 i
U. NH	28,049 i	8,682 i	19,367 i	27,416	8,436	18,980
Private						
Dartmouth C.	17,455	10,076	7,379	15,491	8,943	6,548
New Jersey						
Public						
C. NJ, The	99	20	79	99	20	79
Montclair State U.	258	248	10	230	220	10
NJ City U.	0	0	0	0	0	0
NJ Institute of Technology	14,799	2,140	12,659	14,411	1,752	12,659
Rowan U.	946	946	0	675	675	0
Rutgers, the State U. NJ-Camden	35	0	35	35	0	35
Rutgers, the State U. NJ-New Brunswick	38,654	22,473	16,181	37,767	22,431	15,336
Rutgers, the State U. NJ-Newark	1,618	1,048	570	1,484	920	564
U. of Medicine & Dentistry NJ	10,128 i	7,212 i	2,916 i	7,944	6,360	1,584
William Paterson U. NJ	27	0	27	27	0	27
Private						
Fairleigh Dickinson U.	149	149	0	149	149	0
Monmouth U.	224	36	188	224	36	188
Princeton U.	18,323	12,115	6,208	17,967	11,759	6,208
Rider U.	136	136	0	136	136	0
Seton Hall U.	17	0	17	17	0	17
Stevens Institute of Technology	1,868	435	1,433	1,868	435	1,433
New Mexico						
Public						
NM Highlands U.	500	500	0	500	500	0

TABLE 34. Total and federally financed higher education R&D expenditures received as a subrecipient, by state, institutional control, and institution: FY 2010

(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures received	From educational pass-through entities	From other pass-through entities	All R&D expenditures received	From educational pass-through entities	From other pass-through entities
NM Institute of Mining and Technology	10,458	2,167	8,291	10,458	2,167	8,291
NM State U.	8,733	2,523	6,210	8,386	2,491	5,895
U. NM	24,816	10,660	14,156	24,816	10,660	14,156
New York						
Public						
CUNY Baruch C.	77	77	0	77	77	0
CUNY Brooklyn C.	354	354	0	354	354	0
CUNY C. Staten Island	113	113	0	0	0	0
CUNY Graduate Ctr.	1,082	1,082	0	0	0	0
CUNY Herbert H. Lehman C.	333 i	100 i	233 i	333 i	100 i	233 i
CUNY Hunter C.	1,842	1,514	328	1,631	1,514	117
CUNY John Jay C. of Criminal Justice	2,021	897	1,124	1,687	897	790
CUNY Medgar Evers C.	168	168	0	168	168	0
CUNY New York City C. of Technology	0	0	0	0	0	0
CUNY Queens C.	2,270	607	1,663	2,270	607	1,663
CUNY The City C.	9,828	9,828	0	5,955	5,955	0
Farmingdale State C.	0	0	0	0	0	0
SUNY Albany	9,028	5,788	3,240	8,416	5,263	3,153
SUNY Binghamton	235	131	104	99	1	98
SUNY Buffalo	6,393	3,834	2,559	5,996	3,596	2,400
SUNY C. Brockport	55	55	0	35	35	0
SUNY C. Buffalo	53	53	0	53	53	0
SUNY C. Cortland	0	0	0	0	0	0
SUNY C. Geneseo	366	359	7	359	359	0
SUNY C. of A&T Cobleskill	0	0	0	0	0	0
SUNY C. of A&T Morrisville	0	0	0	0	0	0
SUNY C. of Environmental Science and Forestry	2,335	1,103	1,232	2,133	1,045	1,088
SUNY C. of Optometry	331	93	238	331	93	238
SUNY C. Old Westbury	0 i	0 i	0 i	0 i	0 i	0 i
SUNY C. Oneonta	5	5	0	5	5	0
SUNY C. Oswego	3	3	0	3	3	0
SUNY C. Plattsburgh	122	122	0	122	122	0
SUNY C. Potsdam	11	11	0	0	0	0
SUNY Fredonia	41	41	0	0	0	0
SUNY Health Science Ctr. Brooklyn	2,221	1,332	889	2,077	1,188	889
SUNY Institute of Technology at Utica-Rome	92	0	92	92	0	92
SUNY New Paltz	13	13	0	13	13	0
SUNY Stony Brook	9,667	6,843	2,824	8,834	6,082	2,752

TABLE 34. Total and federally financed higher education R&D expenditures received as a subrecipient, by state, institutional control, and institution: FY 2010

(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures received	From educational pass-through entities	From other pass-through entities	All R&D expenditures received	From educational pass-through entities	From other pass-through entities
SUNY Upstate Medical U.	3,684	1,366	2,318	3,684	1,366	2,318
U.S. Military Academy	0	0	0	0	0	0
Private						
Adelphi U.	71	32	39	71	32	39
Albany C. of Pharmacy	313	313	0	313	313	0
Albany Medical C.	776	408	368	776	408	368
Alfred U.	180	39	141	176	39	137
Barnard C.	825	749	76	627	627	0
Canisius C.	0	0	0	0	0	0
Clarkson U.	2,938	2,048	890	2,235	1,873	362
Colgate U.	254	183	71	254	183	71
Columbia U. in the City of New York	72,076	35,190	36,886	66,014	32,292	33,722
Cooper Union, The	170	153	17	120	120	0
Cornell U.	39,373	27,286	12,087	31,745	19,658	12,087
Daemen C.	0	0	0	0	0	0
Dowling C.	0 i	0 i	0 i	0 i	0 i	0 i
Fordham U.	432	280	152	432	280	152
Hamilton C.	165	140	25	99	79	20
Hobart and William Smith Colleges	25	25	0	25	25	0
Hofstra U.	174	28	146	5	5	0
Ithaca C.	255	255	0	255	255	0
Long Island U.	275 i	145 i	130 i	247 i	132 i	115 i
Manhattan C.	370	68	302	68	68	0
Marist C.	0 i	0 i	0 i	0 i	0 i	0 i
Mercy C.	0	0	0	0	0	0
Mt. Sinai School of Medicine	20,160	11,350	8,810	19,120	11,192	7,928
New School, The	309	296	13	309	296	13
NY Institute of Technology	0	0	0	0	0	0
NY Medical C.	2,515	2,515	0	2,515	2,515	0
NY U.	36,307	17,873	18,434	30,231	16,469	13,762
Niagara U.	463	100	363	53	12	41
Pace U.	132	16	116	132	16	116
Polytechnic U.	796	796	0	796	796	0
Rensselaer Polytechnic Institute	10,994	6,071	4,923	10,815	6,038	4,777
Rochester Institute of Technology	5,345	1,960	3,385	4,912	1,694	3,218
Rockefeller U.	8,996	4,181	4,815	3,768	3,386	382
Sarah Lawrence C.	0	0	0	0	0	0
Siena C.	150	150	0	150	150	0

TABLE 34. Total and federally financed higher education R&D expenditures received as a subrecipient, by state, institutional control, and institution: FY 2010

(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures received	From educational pass-through entities	From other pass-through entities	All R&D expenditures received	From educational pass-through entities	From other pass-through entities
Skidmore C.	151	151	0	0	0	0
St. Bonaventure U.	267	0	267	267	0	267
St. John's U. (Jamaica, NY)	44	44	0	44	44	0
Syracuse U.	9,844	4,860	4,984	8,062	4,452	3,610
Teachers C., Columbia U.	933	697	236	933	697	236
Union C. (Schenectady, NY)	71	71	0	71	71	0
U. Rochester	22,600	10,550	12,050	18,911	8,816	10,095
Vassar C.	51	51	0	51	51	0
Yeshiva U.	10,205	9,606	599	10,205	9,606	599
North Carolina						
Public						
Appalachian State U.	306	225	81	291	221	70
East Carolina U.	3,283	2,148	1,135	2,758	1,719	1,039
Elizabeth City State U.	310	310	0	310	310	0
Fayetteville State U.	0	0	0	0	0	0
NC Agricultural and Technical State U.	3,246	2,245	1,001	3,246	2,245	1,001
NC Central U.	582	581	1	582	581	1
NC State U.	35,718 i	31,736 i	3,982 i	31,186	29,968	1,218
U. NC Asheville	287	227	60	36	30	6
U. NC Chapel Hill	67,587	40,359	27,228	57,255	36,347	20,908
U. NC Charlotte	1,972	194	1,778	274	0	274
U. NC Greensboro	3,796	1,985	1,811	3,796	1,985	1,811
U. NC Pembroke	4	4	0	4	4	0
U. NC Wilmington	3,563	2,352	1,211	3,165	1,994	1,171
Western Carolina U.	84	84	0	84	84	0
Private						
Davidson C.	28	28	0	28	28	0
Duke U.	63,725 i	36,045 i	27,680 i	51,466	29,678	21,788
Shaw U.	1,711 i	1,711 i	0 i	1,711 i	1,711 i	0 i
Wake Forest U.	19,397	17,936	1,461	19,397	17,936	1,461
North Dakota						
Public						
Mayville State U.	233	170	63	170	170	0
Minot State U.	728	721	7	728	721	7
ND State U.	8,094 i	2,765 i	5,329 i	6,571	2,172	4,399
U. ND	3,203	2,445	758	3,203	2,445	758

TABLE 34. Total and federally financed higher education R&D expenditures received as a subrecipient, by state, institutional control, and institution: FY 2010

(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures received	From educational pass-through entities	From other pass-through entities	All R&D expenditures received	From educational pass-through entities	From other pass-through entities
<b>Ohio</b>						
<b>Public</b>						
Air Force Institute of Technology	228	38	190	168	38	130
Bowling Green State U.	1,325	1,280	45	613	568	45
Central State U.	112	95	17	112	95	17
Cleveland State U.	2,013	510	1,503	1,819	461	1,358
Kent State U.	3,481	1,021	2,460	2,817	869	1,948
Miami U.	5,070	2,666	2,404	4,299	2,004	2,295
Northeastern OH Universities C. of Medicine	172	123	49	161	117	44
OH State U.	94,834	33,357	61,477	77,963	26,525	51,438
OH U.	8,193	1,969	6,224	7,315	1,694	5,621
U. Akron	6,485	2,393	4,092	2,162	518	1,644
U. Cincinnati	26,428	7,535	18,893	23,457	6,975	16,482
U. Toledo	21,847	3,998	17,849	19,069	3,244	15,825
Wright State U.	10,477	3,730	6,747	9,313	3,233	6,080
Youngstown State U.	1,361	1,361	0	1,361	1,361	0
<b>Private</b>						
Case Western Reserve U.	27,647	16,433	11,214	23,323	15,328	7,995
C. Wooster	103	93	10	93	93	0
Denison U.	48 i	34 i	14 i	41 i	30 i	11 i
John Carroll U.	710	710	0	710	710	0
Kenyon C.	76	76	0	76	76	0
Oberlin C.	118	0	118	117	0	117
OH Northern U.	17	17	0	17	17	0
OH Wesleyan U.	8	8	0	8	8	0
U. Dayton	11,665	1,226	10,439	10,691	576	10,115
Wilberforce U.	224	224	0	224	224	0
<b>Oklahoma</b>						
<b>Public</b>						
Langston U.	203	203	0	203	203	0
Northeastern State U.	416	416	0	416	416	0
OK State U. main campus	8,624	3,018	5,606	8,624	3,018	5,606
OK State U. Ctr. for Health Sciences	53	0	53	53	0	53
OK State U. Tulsa	0	0	0	0	0	0
Southeastern OK State U.	146	119	27	146	119	27
Southwestern OK State U.	313	313	0	308	308	0
U. Central OK	980	598	382	598	598	0
U. OK	25,121	9,722	15,399	25,090	9,722	15,368

TABLE 34. Total and federally financed higher education R&D expenditures received as a subrecipient, by state, institutional control, and institution: FY 2010

(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures received	From educational pass-through entities	From other pass-through entities	All R&D expenditures received	From educational pass-through entities	From other pass-through entities
Private						
U. Tulsa	589	441	148	570	438	132
Oregon						
Public						
Eastern OR U.	28	28	0	9	9	0
OR Health & Science U.	28,637	14,958	13,679	22,727	13,978	8,749
OR State U.	25,835	9,220	16,615	23,710	8,339	15,371
Portland State U.	3,404	708	2,696	3,107	708	2,399
Southern OR U.	25	0	25	25	0	25
U. OR	9,187	7,789	1,398	8,373	7,196	1,177
Western OR U.	341	32	309	341	32	309
Private						
Lewis & Clark C.	0	0	0	0	0	0
Pacific U.	200	200	0	200	200	0
Reed C.	171	171	0	171	171	0
U. Portland	66	66	0	66	66	0
Western States Chiropractic C.	86	86	0	86	86	0
Willamette U.	13	13	0	13	13	0
Pennsylvania						
Public						
Cheyney U. PA	470	328	142	0	0	0
Indiana U. PA	563	28	535	466	0	466
Lincoln U. of the Commonwealth of PA	313	309	4	19	19	0
Millersville U. PA	107	107	0	79	79	0
PA State U. Altoona	2	2	0	0	0	0
PA State U. Beaver	0	0	0	0	0	0
PA State U. Berks	0	0	0	0	0	0
PA State U. Erie, The Behrend C.	65	65	0	65	65	0
PA State U. Great Valley School of Graduate Professional Studies	0	0	0	0	0	0
PA State U. Harrisburg	365 i	248	117 i	164 i	59	105 i
PA State U. University Park and Hershey Medical Ctr.	58,884 i	31,006	27,878 i	51,138 i	26,102	25,036 i
PA State U. Worthington-Scranton	0	0	0	0	0	0
Temple U.	9,722	6,338	3,384	9,282	6,296	2,986
U. Pittsburgh main campus	75,561	35,934	39,627	74,279	34,652	39,627
West Chester U. PA	63 i	63 i	0 i	63 i	63 i	0 i



TABLE 34. Total and federally financed higher education R&D expenditures received as a subrecipient, by state, institutional control, and institution: FY 2010

(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures received	From educational pass-through entities	From other pass-through entities	All R&D expenditures received	From educational pass-through entities	From other pass-through entities
Private						
Allegheny C.	0	0	0	0	0	0
Arcadia U.	1,067	413	654	1,067	413	654
Bryn Mawr C.	212	212	0	212	212	0
Bucknell U.	168	168	0	168	168	0
Carnegie Mellon U.	58,270	17,293	40,977	55,473	14,681	40,792
Dickinson C.	66	61	5	66	61	5
Drexel U.	8,904	4,716	4,188	8,904	4,716	4,188
Duquesne U.	504	274	230	504	274	230
Elizabethtown C.	228 i	29 i	199 i	226	29	197
Franklin & Marshall C.	318	313	5	318	313	5
Gettysburg C.	3	3	0	3	3	0
Haverford C.	103	103	0	103	103	0
Juniata C.	0	0	0	0	0	0
La Salle U.	0	0	0	0	0	0
Lafayette C.	0	0	0	0	0	0
Lehigh U.	4,995	2,705	2,290	4,995	2,705	2,290
Mercyhurst C.	0	0	0	0	0	0
Muhlenberg C.	0	0	0	0	0	0
Philadelphia C. of Osteopathic Medicine	319	319	0	266	266	0
Philadelphia U.	53	53	0	53	53	0
Salus U.	65	65	0	65	65	0
St. Francis U.	0	0	0	0	0	0
St. Joseph's U.	41	41	0	41	41	0
Swarthmore C.	207	178	29	207	178	29
Thomas Jefferson U.	6,849	3,797	3,052	5,569	3,258	2,311
U. PA	70,290	31,969	38,321	59,327	29,924	29,403
U. Scranton	18	18	0	18	18	0
U. of the Sciences Philadelphia	402	384	18	256	256	0
Ursinus C.	0	0	0	0	0	0
Villanova U.	924 i	490 i	434 i	832 i	447 i	385 i
Washington and Jefferson C.	0	0	0	0	0	0
Wilkes U.	31	0	31	31	0	31
Rhode Island						
Public						
U. RI	6,034	1,348	4,686	5,488	1,207	4,281

TABLE 34. Total and federally financed higher education R&D expenditures received as a subrecipient, by state, institutional control, and institution: FY 2010

(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures received	From educational pass-through entities	From other pass-through entities	All R&D expenditures received	From educational pass-through entities	From other pass-through entities
<b>Private</b>						
Brown U.	14,678	6,047	8,631	13,274	5,866	7,408
Providence C.	820	820	0	798	798	0
Roger Williams U.	726	726	0	726	726	0
<b>South Carolina</b>						
<b>Public</b>						
Clemson U.	15,338	6,677 i	8,661 i	13,891 i	6,112 i	7,779 i
Coastal Carolina U.	354 i	16 i	338 i	255 i	16 i	239 i
C. Charleston	1,959	563	1,396	1,959	563	1,396
Medical U. SC	15,494	7,110	8,384	15,494	7,110	8,384
SC State U.	773	144	629	773	144	629
U. SC Aiken	37 i	17 i	20 i	32 i	15 i	17 i
U. SC Beaufort	8 i	6 i	2 i	6 i	5 i	1 i
U. SC Columbia	35,539	23,565	11,974	25,189	21,556	3,633
U. SC Upstate	29 i	13 i	16 i	5 i	2 i	3 i
<b>Private</b>						
Benedict C.	175	175	0	175	175	0
Clafflin U.	1,314	1,091	223	1,314	1,091	223
Furman U.	567	293	274	567	293	274
<b>South Dakota</b>						
<b>Public</b>						
Black Hills State U.	1,071	1,021	50	1,016	966	50
SD School of Mines and Technology	19,222	16,586	2,636	18,505	15,869	2,636
SD State U.	5,265	2,493	2,772	4,291	1,717	2,574
U. SD	1,238	912	326	1,103	777	326
<b>Private</b>						
Augustana C. (Sioux Falls, SD)	814	814	0	814	814	0
Sinte Gleska U.	537	480	57	537	480	57
<b>Tennessee</b>						
<b>Public</b>						
East TN State U.	0	0	0	0	0	0
Middle TN State U.	149	42	107	145	38	107
TN State U.	595	595	0	595	595	0
TN Technological U.	2,618	294	2,324	2,592	287	2,305
U. Memphis, The	5,633	851	4,782	5,633	851	4,782
U. TN Chattanooga	129	2	127	129	2	127

TABLE 34. Total and federally financed higher education R&D expenditures received as a subrecipient, by state, institutional control, and institution: FY 2010

(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures received	From educational pass-through entities	From other pass-through entities	All R&D expenditures received	From educational pass-through entities	From other pass-through entities
U. TN Knoxville	18,766 i	7,839	10,927 i	16,116	7,839	8,277
U. TN Martin	0	0	0	0	0	0
Private						
Fisk U.	7,686	7,686	0	7,686	7,686	0
Le Moyne-Owen C.	98	98	0	0	0	0
Meharry Medical C.	2,689	2,689	0	2,689	2,689	0
Rhodes C.	315	305	10	314	304	10
Vanderbilt U.	35,278	18,468	16,810	35,278	18,468	16,810
Texas						
Public						
Angelo State U.	110	110	0	110	110	0
Lamar U.	243	180	63	219	175	44
Midwestern State U.	0	0	0	0	0	0
Prairie View A&M U.	807	351	456	644	335	309
Sam Houston State U.	1,138	288	850	1,138	288	850
Stephen F. Austin State U.	192	143	49	153	104	49
Sul Ross State U.	224	201	23	224	201	23
Tarleton State U.	2,060	405	1,655	1,594	392	1,202
TX A&M International U.	129	109	20	127	107	20
TX A&M U.	129,955	23,767	106,188	111,273	21,963	89,310
TX A&M U.-Commerce	331	147	184	147	147	0
TX A&M U.-Corpus Christi	2,402	517	1,885	2,152	465	1,687
TX A&M U.-Kingsville	1,105 i	128 i	977 i	895	128	767
TX A&M U. System Health Science Ctr.	5,455	4,131	1,324	4,810	3,957	853
TX Southern U.	63	63	0	63	63	0
TX State U.-San Marcos	843	273	570	643	258	385
TX Tech U.	8,430	4,570	3,860	6,880	4,570	2,310
TX Tech U. Health Sciences Ctr.	3,673	777	2,896	2,662	777	1,885
TX Woman's U.	438	149	289	149	149	0
U. Houston	14,307	8,596	5,711	8,749	3,666	5,083
U. Houston-Clear Lake	0	0	0	0	0	0
U. Houston-Downtown	567	135	432	567	135	432
U. North TX	9,253	826	8,427	9,253	826	8,427
U. North TX Health Science Ctr.	1,435	1,222	213	1,433	1,220	213
U. TX Arlington	7,471	5,195	2,276	5,937	3,717	2,220
U. TX Austin	82,913 i	27,527 i	55,386 i	78,023	25,621	52,402
U. TX Brownsville	500	500	0	500	500	0
U. TX Dallas	2,383	1,274	1,109	2,213	1,196	1,017

TABLE 34. Total and federally financed higher education R&D expenditures received as a subrecipient, by state, institutional control, and institution: FY 2010

(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures received	From educational pass-through entities	From other pass-through entities	All R&D expenditures received	From educational pass-through entities	From other pass-through entities
U. TX El Paso	7,653	3,404	4,249	7,653	3,404	4,249
U. TX Health Science Ctr. Houston	18,704	5,685	13,019	18,704	5,685	13,019
U. TX Health Science Ctr. San Antonio	14,927	11,841	3,086	14,927	11,841	3,086
U. TX M. D. Anderson Cancer Ctr.	31,308 i	19,078 i	12,230 i	23,277	15,946	7,331
U. TX Medical Branch	10,481	7,110	3,371	10,481	7,110	3,371
U. TX of the Permian Basin	50	50	0	50	50	0
U. TX Pan American	1,652	1,499	153	1,535	1,442	93
U. TX San Antonio	2,933	1,647	1,286	2,872	1,647	1,225
U. TX Southwestern Medical Ctr. Dallas	33,359	25,966	7,393	32,941	25,548	7,393
U. TX Tyler	1,485	1,485	0	1,485	1,485	0
West TX A&M U.	633	631	2	528	528	0
Private						
Abilene Christian U.	248	248	0	248	248	0
Baylor C. of Medicine	27,180	17,960	9,220	24,032	15,431	8,601
Baylor U.	1,203	592	611	1,060	449	611
Jarvis Christian C.	16	16	0	0	0	0
LeTourneau U.	85	61	24	85	61	24
Rice U.	11,213	8,689	2,524	11,213	8,689	2,524
Southern Methodist U.	4,029	2,737	1,292	3,863	2,656	1,207
St. Mary's U. (San Antonio, TX)	0	0	0	0	0	0
TX Christian U.	60	18	42	60	18	42
Trinity U.	82	82	0	82	82	0
Wiley C.	0	0	0	0	0	0
Utah						
Public						
U. UT	29,992	17,398	12,594	29,229	16,635	12,594
UT State U.	23,862	7,725	16,137	22,250	7,028	15,222
Weber State U.	252	97	155	240	85	155
Private						
Brigham Young U.	7,154	2,700	4,454	7,154	2,700	4,454
Vermont						
Public						
U. VT	12,824	7,041	5,783	11,193	6,763	4,430
Private						
Middlebury C.	461	378	83	453	370	83
St. Michael's C.	331	307	24	331	307	24

TABLE 34. Total and federally financed higher education R&D expenditures received as a subrecipient, by state, institutional control, and institution: FY 2010

(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures received	From educational pass-through entities	From other pass-through entities	All R&D expenditures received	From educational pass-through entities	From other pass-through entities
<b>Virginia</b>						
<b>Public</b>						
Christopher Newport U.	233	0	233	205	0	205
C. of William and Mary and VA Institute of Marine Science	11,599	1,791	9,808	11,599	1,791	9,808
George Mason U.	9,893	2,405	7,488	9,893	2,405	7,488
James Madison U.	1,426 i	1,090 i	336 i	1,396	1,078	318
Norfolk State U.	347	347	0	0	0	0
Old Dominion U.	7,870	1,379	6,491	7,870	1,379	6,491
Radford U.	77	75	2	77	75	2
U. VA main campus	20,521	10,789	9,732	20,089	10,562	9,527
U. VA's C. Wise, The	0	0	0	0	0	0
VA Commonwealth U.	22,460	7,041	15,419	22,039	7,010	15,029
VA Military Institute	13	0	13	13	0	13
VA Polytechnic Institute and State U.	32,762	9,646	23,116	32,762	9,646	23,116
VA State U.	96	96	0	96	96	0
<b>Private</b>						
Eastern VA Medical School	3,022	999	2,023	2,570	853	1,717
Hampton U.	695 i	428 i	267 i	695 i	428 i	267 i
Roanoke C.	0 i	0 i	0 i	0 i	0 i	0 i
U. Richmond	38	38	0	38	38	0
Washington and Lee U.	53	53	0	53	53	0
<b>Washington</b>						
<b>Public</b>						
Central WA U.	547	547	0	547	547	0
Eastern WA U.	249 i	108 i	141 i	25 i	10 i	15 i
Evergreen State C.	34	20	14	34	20	14
U. WA Bothell	70 i	33 i	37 i	61 i	29 i	32 i
U. WA Seattle	78,167 i	34,027 i	44,140 i	70,792 i	31,152 i	39,640 i
U. WA Tacoma	98 i	47 i	51 i	84 i	41 i	43 i
WA State U.	58,079	11,181	46,898	52,915	10,462	42,453
Western WA U.	538	330	208	370	177	193
<b>Private</b>						
Bastyr U.	481	481	0	481	481	0
Gonzaga U.	360	206	154	263	109	154
Northwest Indian C.	28	28	0	28	28	0
Pacific Lutheran U.	75	75	0	75	75	0
Seattle Pacific U.	4	0	4	0	0	0

TABLE 34. Total and federally financed higher education R&D expenditures received as a subrecipient, by state, institutional control, and institution: FY 2010

(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures received	From educational pass-through entities	From other pass-through entities	All R&D expenditures received	From educational pass-through entities	From other pass-through entities
Seattle U.	67 i	67 i	0 i	67 i	67 i	0 i
U. Puget Sound	54	54	0	44	44	0
Whitman C.	0	0	0	0	0	0
West Virginia						
Public						
Marshall U.	1,080	29	1,051	1,080	29	1,051
West Liberty State C.	385	385	0	385	385	0
WV School of Osteopathic Medicine	0	0	0	0	0	0
WV State U.	441	157	284	384	157	227
WV U.	25,235	6,325	18,910	25,235	6,325	18,910
Private						
Wheeling Jesuit U.	0	0	0	0	0	0
Wisconsin						
Public						
U. WI-Eau Claire	476	74	402	476	74	402
U. WI-Green Bay	55	2	53	32	2	30
U. WI-La Crosse	77	35	42	77	35	42
U. WI-Madison	65,178	23,671	41,507	62,759	22,898	39,861
U. WI-Milwaukee	6,235	1,499	4,736	5,191	1,449	3,742
U. WI-Oshkosh	231	79	152	231	79	152
U. WI-Parkside	21	0	21	21	0	21
U. WI-Platteville	43	0	43	43	0	43
U. WI-River Falls	10	0	10	10	0	10
U. WI-Stevens Point	465	77	388	465	77	388
U. WI-Stout	44	43	1	44	43	1
U. WI-Superior	18	18	0	18	18	0
U. WI-Whitewater	99	0	99	99	0	99
Private						
Lawrence U.	25	25	0	25	25	0
Marquette U.	1,456	840	616	1,258	659	599
Medical C. WI	10,568	7,743	2,825	10,227	7,426	2,801
Milwaukee School of Engineering	627	584	43	344	344	0
Wyoming						
Public						
U. WY	23,403	3,759	19,644	16,389	3,628	12,761

TABLE 34. Total and federally financed higher education R&D expenditures received as a subrecipient, by state, institutional control, and institution: FY 2010

(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures received	From educational pass-through entities	From other pass-through entities	All R&D expenditures received	From educational pass-through entities	From other pass-through entities
Guam						
Public						
U. GU	951	184	767	951	184	767
Puerto Rico						
Public						
U. PR Cayey	0	0	0	0	0	0
U. PR Humacao	24 i	24 i	0 i	24 i	24 i	0 i
U. PR Mayaguez	423	423	0	423	423	0
U. PR Medical Sciences Campus	4,164 i	2,163 i	2,001 i	3,974	2,089	1,885
U. PR Rio Piedras	481	481	0	481	481	0
Private						
Carlos Albizu U. (San Juan, PR)	0	0	0	0	0	0
Ponce School of Medicine	1,508	1,285	223	903	903	0
Universidad Central del Caribe	547	516	31	516	516	0
Universidad del Este	153	153	0	153	153	0
Universidad del Turabo	129	129	0	129	129	0
Universidad Metropolitana	222	222	0	222	222	0
Virgin Islands						
Public						
U. of the VI	610 i	0 i	610 i	610 i	0 i	610 i

i = imputed.

<sup>a</sup> The Johns Hopkins University includes Applied Physics Laboratory, with \$0 in both total and federally financed R&D expenditures received as subrecipient in FY 2010.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE 35. Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2010  
(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures passed through	To educational subrecipients	To other subrecipients	All R&D expenditures passed through	To educational subrecipients	To other subrecipients
<b>Alabama</b>						
Public						
AL A&M U.	4,451	2,064	2,387	4,313	1,927	2,386
AL State U.	0	0	0	0	0	0
Auburn U. main campus	6,480	3,613 i	2,867 i	4,022	2,282 i	1,740 i
Auburn U. Montgomery	0	0	0	0	0	0
Jacksonville State U.	0	0	0	0	0	0
U. AL Birmingham, The	40,894	25,604	15,290	35,462	22,730	12,732
U. AL Huntsville, The	1,932	1,778	154	1,926	1,772	154
U. AL, The	3,793	1,748	2,045	2,449	1,686	763
U. South AL	1,633	737	896	1,633	737	896
Private						
Tuskegee U.	13 i	13 i	0 i	0 i	0 i	0 i
<b>Alaska</b>						
Public						
U. AK Anchorage	56	0	56	56	0	56
U. AK Fairbanks	3,426	56	3,370	3,406	56	3,350
U. AK Southeast	0	0	0	0	0	0
Private						
AK Pacific U.	0	0	0	0	0	0
<b>Arizona</b>						
Public						
AZ State U.	19,306	12,654	6,652	15,649	10,538	5,111
Northern AZ U.	2,573	2,093	480	2,123	1,920	203
U. AZ	78,478	18,220	60,258	74,012	15,164	58,848
<b>Arkansas</b>						
Public						
AR State U. main campus	1,129	51	1,078	1,013	33	980
AR Tech U.	25 i	13 i	12 i	19 i	11 i	8 i
U. AR main campus	3,215	2,620	595	2,616	2,279	337
U. AR for Medical Sciences	5,421	4,450	971	5,158	4,331	827
U. AR Little Rock	859	859	0	858	858	0
U. AR Pine Bluff	90	90	0	90	90	0
U. Central AR	0	0	0	0	0	0



TABLE 35. Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2010  
(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures passed through	To educational subrecipients	To other subrecipients	All R&D expenditures passed through	To educational subrecipients	To other subrecipients
Private						
Hendrix C.	0	0	0	0	0	0
California						
Public						
CA Polytechnic State U., San Luis Obispo	1,497	0	1,497	1,004	0	1,004
CA State Polytechnic U., Pomona	44	44	0	0	0	0
CA State U., Bakersfield	836	699	137	0	0	0
CA State U., Chico	108	74	34	108	74	34
CA State U., Dominguez Hills	154	44	110	137	27	110
CA State U., East Bay	45 i	45 i	0 i	13 i	13 i	0 i
CA State U., Fresno	870	363	507	473	247	226
CA State U., Fullerton	2,522	1,423	1,099	2,480	1,384	1,096
CA State U., Long Beach	3,168	582	2,586	3,113	582	2,531
CA State U., Los Angeles	69	44	25	69	44	25
CA State U., Monterey Bay	19	0	19	19	0	19
CA State U., Northridge	665	665	0	665	665	0
CA State U., Sacramento	1,143	690	453	308	19	289
CA State U., San Bernardino	13	13	0	13	13	0
CA State U., San Marcos	159	83	76	159	83	76
Humboldt State U.	113	77	36	56	33	23
Naval Postgraduate School	9,440	7,208	2,232	9,440	7,208	2,232
San Diego State U.	12,449	8,648	3,801	9,137	7,057	2,080
San Francisco State U.	125	125	0	121	121	0
San Jose State U.	4,210	1,174	3,036	1,061	208	853
Sonoma State U.	0	0	0	0	0	0
U. CA Office of the President	14,768	8,234 i	6,534 i	0	0 i	0 i
U. CA, Berkeley	96,826	53,986 i	42,840 i	45,140	25,612 i	19,528 i
U. CA, Davis	41,100	22,915 i	18,185 i	32,492	18,436 i	14,056 i
U. CA, Irvine	19,953	11,125 i	8,828 i	14,921	8,466 i	6,455 i
U. CA, Los Angeles	78,796	43,933 i	34,863 i	70,088	39,768 i	30,320 i
U. CA, Merced	896	499 i	397 i	896	499 i	397 i
U. CA, Riverside	7,394	4,122 i	3,272 i	6,423	3,644 i	2,779 i
U. CA, San Diego	70,555	39,338 i	31,217 i	53,562	30,391 i	23,171 i
U. CA, San Francisco	94,455	52,664 i	41,791 i	78,745	44,680 i	34,065 i
U. CA, Santa Barbara	18,848	10,508 i	8,340 i	15,837	8,986 i	6,851 i
U. CA, Santa Cruz	9,092	5,069 i	4,023 i	8,556	4,854 i	3,702 i

TABLE 35. Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2010  
(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures passed through	To educational subrecipients	To other subrecipients	All R&D expenditures passed through	To educational subrecipients	To other subrecipients
Private						
CA Institute of Technology	53,472	17,707	35,765	52,643	17,144	35,499
Chapman U.	13	13	0	0	0	0
Charles R. Drew U. of Medicine and Science	6,060	3,815	2,245	6,060	3,815	2,245
Claremont Graduate U.	2,000	2,000	0	2,000	2,000	0
Claremont McKenna C.	0	0	0	0	0	0
Fuller Theological Seminary	0	0	0	0	0	0
Harvey Mudd C.	40	40	0	40	40	0
Loma Linda U.	4,249	887	3,362	3,989	786	3,203
Loyola Marymount U.	0	0	0	0	0	0
Mills C.	165	165	0	95	95	0
Mt. St. Mary's C. (Los Angeles, CA)	0	0	0	0	0	0
Occidental C.	577	197	380	380	0	380
Pepperdine U.	270	0	270	270	0	270
Pitzer C.	0	0	0	0	0	0
Pomona C.	40	40	0	40	40	0
Santa Clara U.	321 i	180 i	141 i	270 i	161 i	109 i
Scripps Research Institute, The	29,148	15,442	13,706	28,480	15,293	13,187
Stanford U.	61,790	37,034	24,756	46,576	27,874	18,702
Touro U.-CA	178	178	0	116	116	0
U. Redlands	0	0	0	0	0	0
U. San Diego	84	46	38	84	46	38
U. San Francisco	11	11	0	11	11	0
U. Southern CA	61,835	30,238	31,597	58,022	27,358	30,664
U. of the Pacific	281	56	225	281	56	225
Vanguard U. Southern CA	23 i	12 i	11 i	23 i	12 i	11 i
Western U. of Health Sciences	52	33	19	15	15	0
Colorado						
Public						
CO School of Mines	3,608	1,881	1,727	3,177	1,711	1,466
CO State U.	25,841	5,786	20,055	24,054	5,640	18,414
CO State U. Pueblo	0	0	0	0	0	0
Ft. Lewis C.	38	37	1	38	37	1
Mesa State C.	0	0	0	0	0	0
U.S. Air Force Academy	0	0	0	0	0	0
U. CO Boulder	23,575	10,015	13,560	21,487	8,711	12,776
U. CO Colorado Springs	483	166	317	461	144	317
U. CO Denver and Health Sciences Ctr.	33,001	14,521	18,480	28,927	12,728	16,199

TABLE 35. Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2010  
(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures passed through	To educational subrecipients	To other subrecipients	All R&D expenditures passed through	To educational subrecipients	To other subrecipients
U. Northern CO	131	121	10	131	121	10
Private						
CO C.	15	15	0	15	15	0
U. Denver	2,201	736	1,465	2,146	736	1,410
Connecticut						
Public						
Central CT State U.	0	0	0	0	0	0
Southern CT State U.	0	0	0	0	0	0
U.S. Coast Guard Academy	0	0	0	0	0	0
U. CT	16,091	12,281	3,810	14,988	11,503	3,485
Private						
CT C.	0	0	0	0	0	0
Fairfield U.	41	20	21	20	20	0
Trinity C. (Hartford, CT)	0	0	0	0	0	0
U. Hartford	0	0	0	0	0	0
Wesleyan U.	84	41	43	84	41	43
Yale U.	44,921	26,785	18,136	39,110	22,960	16,150
Delaware						
Public						
DE State U.	391	349	42	391	349	42
U. DE	11,127	6,374	4,753	10,613	5,958	4,655
District of Columbia						
Public						
U. DC	0	0	0	0	0	0
Private						
American U.	1,677	176	1,501	1,345	134	1,211
Catholic U. America, The	343	150	193	176	126	50
Gallaudet U.	2,102	2,102	0	2,102	2,102	0
George Washington U.	47,924	31,192	16,732	43,025	30,648	12,377
Georgetown U.	20,549	7,090	13,459	17,710	6,579	11,131
Howard U.	4,614	4,614	0	4,614	4,614	0
Florida						
Public						
FL A&M U.	3,601	2,836	765	3,335	2,836	499
FL Atlantic U.	1,487	952	535	1,312	777	535

TABLE 35. Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2010  
(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures passed through	To educational subrecipients	To other subrecipients	All R&D expenditures passed through	To educational subrecipients	To other subrecipients
FL Gulf Coast U.	0	0	0	0	0	0
FL International U.	7,115	2,286	4,829	6,446	1,882	4,564
FL State U.	25,119	12,312	12,807	22,146	10,571	11,575
New C. FL	0	0	0	0	0	0
U. Central FL	11,108	4,026 i	7,082 i	8,856	3,146 i	5,710 i
U. FL	58,584	52,725	5,859	49,096	44,186	4,910
U. North FL	501	253	248	450	202	248
U. South FL	65,058	34,192	30,866	56,207	33,531	22,676
U. South FL Polytechnic	0	0	0	0	0	0
U. South FL Sarasota-Manatee	0	0	0	0	0	0
U. South FL St. Petersburg	152	43	109	152	43	109
U. West FL	4,395	4,395	0	4,373	4,373	0
Private						
Barry U.	0	0	0	0	0	0
Eckerd C.	0	0	0	0	0	0
Embry-Riddle Aeronautical U.	1,027 i	577 i	450 i	867 i	516 i	351 i
FL Institute of Technology	0	0	0	0	0	0
Jacksonville U.	0	0	0	0	0	0
Nova Southeastern U.	1,070	161	909	1,063	154	909
U. Miami	23,452	14,026	9,426	18,925	12,043	6,882
Georgia						
Public						
Albany State U.	0	0	0	0	0	0
Armstrong Atlantic State U.	0	0	0	0	0	0
Ft. Valley State U.	240	240	0	240	240	0
GA Institute of Technology	60,905	19,773	41,132	48,969	13,904	35,065
GA Southern U.	191	191	0	132	132	0
GA State U.	3,985	2,988	997	3,409	2,853	556
Kennesaw State U.	1	1	0	1	1	0
Medical C. GA	5,818	5,404	414	5,763	5,390	373
North GA C. & State U.	0	0	0	0	0	0
Savannah State U.	55	55	0	50	50	0
Southern Polytechnic State U.	0	0	0	0	0	0
U. GA	13,612	10,226	3,386	12,415	9,715	2,700
U. West GA	2	2	0	2	2	0
Private						
Agnes Scott C.	37	37	0	37	37	0

TABLE 35. Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2010  
(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures passed through	To educational subrecipients	To other subrecipients	All R&D expenditures passed through	To educational subrecipients	To other subrecipients
Clark Atlanta U.	297	297	0	286	286	0
Emory U.	35,757	23,840	11,917	25,945	17,298	8,647
Mercer U.	1,356	340	1,016	1,086	340	746
Morehouse C.	1,708	1,708	0	1,708	1,708	0
Morehouse School of Medicine	915 i	827 i	88 i	875 i	787 i	88 i
Spelman C.	28	28	0	28	28	0
Hawaii						
Public						
U. HI Hilo	0	0	0	0	0	0
U. HI Manoa	35,195	9,664	25,531	34,843	9,567	25,276
Idaho						
Public						
Boise State U.	1,403	762	641	1,155	555	600
ID State U.	859	507	352	789	494	295
U. ID	6,700	4,339	2,361	6,460	4,099	2,361
Illinois						
Public						
Chicago State U.	0	0	0	0	0	0
Eastern IL U.	0	0	0	0	0	0
Governors State U.	199	194	5	199	194	5
IL State U.	319	131	188	278	131	147
Northeastern IL U.	0	0	0	0	0	0
Northern IL U.	4,864	1,199	3,665	4,864	1,199	3,665
Southern IL U. Carbondale	2,913	1,627	1,286	462	307	155
Southern IL U. Edwardsville	929	599	330	492	295	197
U. IL Chicago	26,986	14,018	12,968	22,829	13,684	9,145
U. IL Springfield	55	0	55	44	0	44
U. IL Urbana-Champaign	39,986	21,719	18,267	35,989	19,482	16,507
Western IL U.	27	27	0	27	27	0
Private						
Augustana C. (Rock Island, IL)	0	0	0	0	0	0
Benedictine U.	0	0	0	0	0	0
Bradley U.	0	0	0	0	0	0
DePaul U.	469	458	11	469	458	11
IL Institute of Technology	2,073	980	1,093	1,851	877	974
IL Wesleyan U.	0	0	0	0	0	0

TABLE 35. Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2010  
(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures passed through	To educational subrecipients	To other subrecipients	All R&D expenditures passed through	To educational subrecipients	To other subrecipients
Lake Forest C.	15	15	0	15	15	0
Loyola U. Chicago	2,128	1,793	335	1,842	1,706	136
Midwestern U. (Downers Grove, IL)	0	0	0	0	0	0
National U. of Health Sciences	87	87	0	87	87	0
Northwestern U.	42,941	24,085 i	18,856 i	35,631	21,180 i	14,451 i
Rosalind Franklin U. of Medicine and Science	109	109	0	109	109	0
Rush U.	5,589	5,589	0	5,589	5,589	0
U. Chicago	48,331	36,164	12,167	46,626	35,035	11,591
Indiana						
Public						
Ball State U.	1,508	521	987	1,474	499	975
IN State U.	32	13	19	13	13	0
IN U. Bloomington	5,039	4,777	262	4,504	4,328	176
IN U. South Bend	0	0	0	0	0	0
IN U. Southeast	0	0	0	0	0	0
IN U.-Purdue U. Ft. Wayne	59	19	40	59	19	40
IN U.-Purdue U. Indianapolis	22,609	11,035	11,574	17,789	8,186	9,603
Purdue U. main campus	41,156	28,590	12,566	35,487	26,692	8,795
Purdue U. Calumet	1,223	15	1,208	15	15	0
Purdue U. North Central	33	0	33	33	0	33
Private						
DePauw U.	0	0	0	0	0	0
Rose-Hulman Institute of Technology	50	50	0	50	50	0
U. of Notre Dame	12,380	7,730	4,650	7,707	5,833	1,874
Valparaiso U.	31	31	0	31	31	0
Wabash C.	0	0	0	0	0	0
Iowa						
Public						
IA State U.	16,270	9,071 i	7,199 i	13,456	7,635 i	5,821 i
U. IA	35,050	33,297	1,753	33,631	31,949	1,682
U. Northern IA	117	117	0	106	106	0
Private						
Coe C.	0	0	0	0	0	0
Des Moines U.	0	0	0	0	0	0
Drake U.	0	0	0	0	0	0
Grinnell C.	39	39	0	39	39	0
Luther C.	0	0	0	0	0	0

TABLE 35. Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2010  
(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures passed through	To educational subrecipients	To other subrecipients	All R&D expenditures passed through	To educational subrecipients	To other subrecipients
Palmer C. of Chiropractic	811	811	0	811	811	0
Kansas						
Public						
Haskell Indian Nations U.	143	143	0	143	143	0
KS State U.	6,911	6,538	373	4,942	4,630	312
Pittsburg State U.	0	0	0	0	0	0
U. KS	14,608	11,396	3,212	14,005	11,068	2,937
Wichita State U.	6,135 i	3,386 i	2,749 i	5,084 i	2,465 i	2,619 i
Kentucky						
Public						
Eastern KY U.	87	0	87	87	0	87
KY State U.	8	8	0	8	8	0
Morehead State U.	64	25	39	25	25	0
Murray State U.	662	37	625	662	37	625
Northern KY U.	26	26	0	26	26	0
U. KY	16,744	9,628	7,116	15,116	8,692	6,424
U. Louisville	10,295	6,177	4,118	9,628	5,777	3,851
Western KY U.	1,984	1,491	493	1,665	1,178	487
Louisiana						
Public						
Grambling State U.	20	20	0	20	20	0
LA State U. and A&M C.	11,767	10,044	1,723	9,221	7,801	1,420
LA State U. Health Sciences Ctr. New Orleans	6,919	4,252	2,667	6,429	3,869	2,560
LA State U. Medical Ctr. Shreveport	329	329	0	329	329	0
LA State U. Shreveport	0	0	0	0	0	0
LA Tech U.	761	456	305	361	61	300
McNeese State U.	0	0	0	0	0	0
Nicholls State U.	759	749	10	759	749	10
Northwestern State U.	0	0	0	0	0	0
Southeastern LA U.	44	8	36	44	8	36
Southern U. Baton Rouge	1,834 i	1,029 i	805 i	1,617 i	923 i	694 i
Southern U. New Orleans	0	0	0	0	0	0
U. LA Lafayette	581	418	163	485	350	135
U. LA Monroe	68	68	0	46	46	0
U. New Orleans	6,285	917	5,368	4,758	426	4,332

TABLE 35. Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2010  
(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures passed through	To educational subrecipients	To other subrecipients	All R&D expenditures passed through	To educational subrecipients	To other subrecipients
<b>Private</b>						
Dillard U.	961	463	498	961	463	498
Loyola U. New Orleans	100	89	11	100	89	11
Tulane U.	19,748	13,537	6,211	18,296	12,917	5,379
Xavier U. LA	546	86	460	546	86	460
<b>Maine</b>						
<b>Public</b>						
U. ME	2,850	1,309	1,541	2,850	1,309	1,541
U. Southern ME	0	0	0	0	0	0
<b>Private</b>						
Bates C.	0	0	0	0	0	0
Bowdoin C.	0	0	0	0	0	0
Colby C.	0	0	0	0	0	0
St. Joseph's C. (Standish, ME)	64	64	0	64	64	0
U. New England	26	26	0	26	26	0
<b>Maryland</b>						
<b>Public</b>						
Frostburg State U.	146	146	0	146	146	0
Morgan State U.	NA	NA	NA	NA	NA	NA
Salisbury U.	0	0	0	0	0	0
St. Mary's C. MD	0	0	0	0	0	0
Towson U.	218	153	65	153	153	0
Uniformed Services U. of the Health Sciences	0	0	0	0	0	0
U.S. Naval Academy	0	0	0	0	0	0
U. Baltimore	97	82	15	52	52	0
U. MD Baltimore	37,789	30,231	7,558	27,625	22,100	5,525
U. MD Baltimore County	4,779	2,600	2,179	4,658	2,584	2,074
U. MD Ctr. for Environmental Science	2,808	1,041	1,767	2,146	756	1,390
U. MD College Park	51,663	0	51,663	49,510	0	49,510
U. MD Eastern Shore	0	0	0	0	0	0
<b>Private</b>						
Goucher C.	0	0	0	0	0	0
Johns Hopkins U., The <sup>a</sup>	208,908	117,174 i	91,734 i	165,342	98,283 i	67,059 i
Loyola C.	0	0	0	0	0	0



TABLE 35. Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2010  
(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures passed through	To educational subrecipients	To other subrecipients	All R&D expenditures passed through	To educational subrecipients	To other subrecipients
Massachusetts						
Public						
Bridgewater State C.	0	0	0	0	0	0
Fitchburg State C.	0	0	0	0	0	0
U. MA Amherst	11,969	9,152	2,817	11,188	8,929	2,259
U. MA Boston	6,901	183	6,718	4,947	153	4,794
U. MA Dartmouth	1,217	817	400	1,075	807	268
U. MA Lowell	2,825	886	1,939	2,340	755	1,585
U. MA Worcester	17,858	17,858	0	16,923	16,923	0
Private						
Amherst C.	20	0	20	20	0	20
Boston C.	4,058	2,276 i	1,782 i	3,356	1,994 i	1,362 i
Boston U.	41,772	23,272	18,500	41,164	22,987	18,177
Brandeis U.	2,376	1,638	738	1,940	1,435	505
Clark U.	468	0	468	339	0	339
C. of the Holy Cross	59	59	0	59	59	0
Hampshire C.	90	90	0	90	90	0
Harvard U.	85,890	24,493	61,397	75,137	21,533	53,604
MA C. of Pharmacy and Health Sciences	0	0	0	0	0	0
MA Institute of Technology	55,409	27,456	27,953	47,286	25,638	21,648
Mt. Holyoke C.	0	0	0	0	0	0
New England C. of Optometry	0	0	0	0	0	0
Northeastern U.	10,826	7,874	2,952	10,581	7,664	2,917
Simmons C.	44	44	0	44	44	0
Smith C.	89	53	36	89	53	36
Tufts U.	12,777	5,655	7,122	11,946	5,365	6,581
Wellesley C.	248	90	158	90	90	0
Williams C.	47	47	0	47	47	0
Woods Hole Oceanographic Institution	12,890	7,980	4,910	12,601	7,901	4,700
Worcester Polytechnic Institute	1,596	753	843	1,534	753	781
Michigan						
Public						
Central MI U.	144	40	104	22	22	0
Eastern MI U.	296	72	224	255	72	183
Grand Valley State U.	0	0	0	0	0	0
MI State U.	21,135	10,349	10,786	18,681	9,824	8,857
MI Technological U.	3,115	2,273	842	3,024	2,210	814
Northern MI U.	0	0	0	0	0	0

TABLE 35. Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2010  
(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures passed through	To educational subrecipients	To other subrecipients	All R&D expenditures passed through	To educational subrecipients	To other subrecipients
Oakland U.	214	0 i	214 i	214 i	0 i	214 i
Saginaw Valley State U.	0	0	0	0	0	0
U. MI-Ann Arbor	82,642	59,087	23,555	79,739	57,314	22,425
U. MI-Dearborn	162	0	162	162	0	162
U. MI-Flint	0	0	0	0	0	0
Wayne State U.	8,378	5,404	2,974	7,853	5,010	2,843
Western MI U.	4,963	2,768	2,195	4,547	2,765	1,782
Private						
Andrews U.	0	0	0	0	0	0
Calvin C.	363	126	237	363	126	237
Hope C.	418	49	369	418	49	369
Kalamazoo C.	0	0	0	0	0	0
Kettering U.	2,651	0	2,651	2,567	0	2,567
Lawrence Technological U.	52	52	0	52	52	0
U. Detroit Mercy	0	0	0	0	0	0
Minnesota						
Public						
MN State U. Mankato	249 i	139 i	110 i	219 i	125 i	94 i
St. Cloud State U.	126	80	46	83	37	46
U. MN Duluth	79	44 i	35 i	44	24 i	20 i
U. MN Morris	0	0	0	0	0	0
U. MN Rochester	0	0	0	0	0	0
U. MN Twin Cities	70,654	39,394 i	31,260 i	56,861	32,263 i	24,598 i
Winona State U.	0	0	0	0	0	0
Private						
Carleton C.	78	78	0	48	48	0
Concordia C.	0	0	0	0	0	0
Gustavus Adolphus C.	0	0	0	0	0	0
Macalester C.	0	0	0	0	0	0
Northwestern Health Sciences U.	327	327	0	327	327	0
St. John's U. (Collegeville, MN)	0	0	0	0	0	0
St. Olaf C.	88	88	0	88	88	0
U. of St. Thomas (St. Paul, MN)	99	65	34	99	65	34
Mississippi						
Public						
Alcorn State U.	23	23	0	23	23	0
Jackson State U.	4,490	3,171	1,319	4,458	3,171	1,287

TABLE 35. Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2010  
(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures passed through	To educational subrecipients	To other subrecipients	All R&D expenditures passed through	To educational subrecipients	To other subrecipients
MS State U.	23,976	10,909	13,067	23,452	10,559	12,893
MS Valley State U.	0	0	0	0	0	0
U. MS and U. MS Medical Ctr.	15,614	11,248	4,366	15,136	10,928	4,208
U. Southern MS	4,265	2,189	2,076	4,066	1,990	2,076
Private						
Millsaps C.	0	0	0	0	0	0
Tougaloo C.	751	751	0	751	751	0
Missouri						
Public						
Lincoln U. (Jefferson City, MO)	1,315	119	1,196	1,315	119	1,196
MO State U.	1,903	393	1,510	1,677	374	1,303
MO U. of Science and Technology	3,035	921 i	2,114 i	2,839	861 i	1,978 i
Truman State U.	0	0	0	0	0	0
U. MO-Columbia	10,234	7,374	2,860	9,617	6,869	2,748
U. MO-Kansas City	1,976	847 i	1,129 i	1,678	719 i	959 i
U. MO-St. Louis	1,211	976 i	235 i	1,173	945 i	228 i
Private						
A. T. Still U. of Health Sciences	0	0	0	0	0	0
Kansas City U. of Medicine and Biosciences	0	0	0	0	0	0
St. Louis U.	4,771	3,705	1,066	4,325	3,450	875
Washington U. St. Louis	43,502	29,718	13,784	40,443	27,420	13,023
Montana						
Public						
MT State U. Billings	0	0	0	0	0	0
MT State U. Bozeman	18,890	8,089	10,801	18,395	7,909	10,486
MT Tech of the U. MT	371	278	93	284	197	87
U. MT-Missoula, The	3,107	2,024	1,083	2,703	1,676	1,027
U. MT Western, The	0	0	0	0	0	0
Private						
Salish Kootenai C.	114	114	0	0	0	0
Nebraska						
Public						
U. NE Kearney	0	0	0	0	0	0
U. NE-Lincoln	13,909	11,572	2,337	13,198	11,000	2,198
U. NE Medical Ctr.	9,322	6,409	2,913	9,213	6,300	2,913
U. NE Omaha	600	600	0	551	551	0

TABLE 35. Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2010  
(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures passed through	To educational subrecipients	To other subrecipients	All R&D expenditures passed through	To educational subrecipients	To other subrecipients
Private						
Creighton U.	751	584	167	732	584	148
Nevada						
Public						
Desert Research Institute	1,907	1,443	464	1,769	1,404	365
U. NV, Las Vegas	3,309	1,422	1,887	3,286	1,399	1,887
U. NV, Reno	7,901	3,357	4,544	6,240	3,339	2,901
New Hampshire						
Public						
Plymouth State U.	10 i	0 i	10 i	10 i	0 i	10 i
U. NH	17,853	9,954 i	7,899 i	17,056	9,677 i	7,379 i
Private						
Dartmouth C.	15,639	11,599	4,040	15,188	11,412	3,776
New Jersey						
Public						
C. NJ, The	0	0	0	0	0	0
Montclair State U.	18	15	3	15	15	0
NJ City U.	0	0	0	0	0	0
NJ Institute of Technology	9,711	4,167	5,544	9,268	3,977	5,291
Rowan U.	277	277	0	51	51	0
Rutgers, the State U. NJ-Camden	16	16	0	16	16	0
Rutgers, the State U. NJ-New Brunswick	44,772	32,455	12,317	34,823	26,219	8,604
Rutgers, the State U. NJ-Newark	892	811	81	352	352	0
U. of Medicine & Dentistry NJ	18,932	12,937	5,995	17,944	11,949	5,995
William Paterson U. NJ	0	0	0	0	0	0
Private						
Fairleigh Dickinson U.	13	13	0	13	13	0
Monmouth U.	651	201	450	651	201	450
Princeton U.	27,918	19,731	8,187	23,810	17,205	6,605
Rider U.	0	0	0	0	0	0
Seton Hall U.	0	0	0	0	0	0
Stevens Institute of Technology	3,645	3,538	107	3,645	3,538	107
New Mexico						
Public						
NM Highlands U.	33	33	0	0	0	0

TABLE 35. Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2010  
(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures passed through	To educational subrecipients	To other subrecipients	All R&D expenditures passed through	To educational subrecipients	To other subrecipients
NM Institute of Mining and Technology	7,977	0	7,977	7,438	0	7,438
NM State U.	25,100	10	25,090	23,511	10	23,501
U. NM	24,215	12,259	11,956	23,066	12,209	10,857
New York						
Public						
CUNY Baruch C.	213	195	18	115	115	0
CUNY Brooklyn C.	161	161	0	161	161	0
CUNY C. Staten Island	367	367	0	0	0	0
CUNY Graduate Ctr.	0	0	0	0	0	0
CUNY Herbert H. Lehman C.	112 i	109 i	3 i	112 i	109 i	3 i
CUNY Hunter C.	2,417	636	1,781	1,062	445	617
CUNY John Jay C. of Criminal Justice	1,125	25 i	1,100 i	790	22 i	768 i
CUNY Medgar Evers C.	0	0	0	0	0	0
CUNY New York City C. of Technology	0	0	0	0	0	0
CUNY Queens C.	1,498	1,498	0	1,456	1,456	0
CUNY The City C.	3,873	3,873	0	3,873	3,873	0
Farmingdale State C.	0	0	0	0	0	0
SUNY Albany	5,880	5,214	666	1,608	1,286	322
SUNY Binghamton	2,008	709	1,299	1,853	603	1,250
SUNY Buffalo	9,679	3,818	5,861	6,729	3,583	3,146
SUNY C. Brockport	23	22	1	1	0	1
SUNY C. Buffalo	48	48	0	48	48	0
SUNY C. Cortland	0	0	0	0	0	0
SUNY C. Geneseo	0	0	0	0	0	0
SUNY C. of A&T Cobleskill	81	75	6	75	75	0
SUNY C. of A&T Morrisville	61	0	61	0	0	0
SUNY C. of Environmental Science and Forestry	1,042	312	730	894	186	708
SUNY C. of Optometry	123	123	0	123	123	0
SUNY C. Old Westbury	0 i	0 i	0 i	0 i	0 i	0 i
SUNY C. Oneonta	0	0	0	0	0	0
SUNY C. Oswego	9	9	0	0	0	0
SUNY C. Plattsburgh	114	55	59	114	55	59
SUNY C. Potsdam	11	11	0	0	0	0
SUNY Fredonia	0	0	0	0	0	0
SUNY Health Science Ctr. Brooklyn	6,259	5,663	596	6,199	5,663	536
SUNY Institute of Technology at Utica-Rome	75	75	0	75	75	0
SUNY New Paltz	0	0	0	0	0	0
SUNY Stony Brook	9,452	6,576	2,876	9,114	6,456	2,658

TABLE 35. Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2010  
(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures passed through	To educational subrecipients	To other subrecipients	All R&D expenditures passed through	To educational subrecipients	To other subrecipients
SUNY Upstate Medical U.	1,842	0	1,842	1,624	0	1,624
U.S. Military Academy	0	0	0	0	0	0
Private						
Adelphi U.	66	66	0	66	66	0
Albany C. of Pharmacy	295	0	295	117	0	117
Albany Medical C.	1,061	946	115	983	946	37
Alfred U.	16	16	0	16	16	0
Barnard C.	165	165	0	121	121	0
Canisius C.	0	0	0	0	0	0
Clarkson U.	2,101	1,219	882	1,722	1,219	503
Colgate U.	18	18	0	18	18	0
Columbia U. in the City of New York	84,671	44,580	40,091	68,952	40,897	28,055
Cooper Union, The	0	0	0	0	0	0
Cornell U.	50,736	28,457 i	22,279 i	44,499	26,451 i	18,048 i
Daemen C.	265	265	0	265	265	0
Dowling C.	NA	NA	NA	NA	NA	NA
Fordham U.	351	296	55	351	296	55
Hamilton C.	0	0	0	0	0	0
Hobart and William Smith Colleges	237	210	27	226	199	27
Hofstra U.	334	334	0	334	334	0
Ithaca C.	32	32	0	32	32	0
Long Island U.	287 i	160 i	127 i	242 i	143 i	99 i
Manhattan C.	0	0	0	0	0	0
Marist C.	0 i	0 i	0 i	0 i	0 i	0 i
Mercy C.	0	0	0	0	0	0
Mt. Sinai School of Medicine	44,561	31,256	13,305	40,741	29,790	10,951
New School, The	20	0	20	20	0	20
NY Institute of Technology	0	0	0	0	0	0
NY Medical C.	704	704	0	704	704	0
NY U.	22,869	18,189	4,680	19,314	15,612	3,702
Niagara U.	0	0	0	0	0	0
Pace U.	91	31	60	91	31	60
Polytechnic U.	196	196	0	196	196	0
Rensselaer Polytechnic Institute	7,131	4,830	2,301	6,191	4,105	2,086
Rochester Institute of Technology	1,629	1,336	293	1,396	1,103	293
Rockefeller U.	7,236	5,646	1,590	5,467	4,402	1,065
Sarah Lawrence C.	0	0	0	0	0	0
Siena C.	273	273	0	273	273	0

TABLE 35. Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2010  
(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures passed through	To educational subrecipients	To other subrecipients	All R&D expenditures passed through	To educational subrecipients	To other subrecipients
Skidmore C.	0	0	0	0	0	0
St. Bonaventure U.	0	0	0	0	0	0
St. John's U. (Jamaica, NY)	31	0	31	31	0	31
Syracuse U.	5,932	3,103	2,829	4,942	2,751	2,191
Teachers C., Columbia U.	4,112	2,107	2,005	2,001	889	1,112
Union C. (Schenectady, NY)	63	63	0	40	40	0
U. Rochester	30,415	23,223	7,192	21,774	16,148	5,626
Vassar C.	127	127	0	127	127	0
Yeshiva U.	12,056	12,056	0	12,056	12,056	0
North Carolina						
Public						
Appalachian State U.	143	136	7	104	102	2
East Carolina U.	809	732	77	775	698	77
Elizabeth City State U.	10	10	0	10	10	0
Fayetteville State U.	102	102	0	102	102	0
NC Agricultural and Technical State U.	6,652	6,302	350	6,502	6,187	315
NC Central U.	206	156	50	206	156	50
NC State U.	18,462	954	17,508	15,433	918	14,515
U. NC Asheville	139	28	111	97	0	97
U. NC Chapel Hill	99,440	48,888	50,552	91,043	46,229	44,814
U. NC Charlotte	3,057	1,226	1,831	1,300	993	307
U. NC Greensboro	3,443	971	2,472	3,349	924	2,425
U. NC Pembroke	0	0	0	0	0	0
U. NC Wilmington	3,110	351	2,759	2,814	252	2,562
Western Carolina U.	243	10	233	233	0	233
Private						
Davidson C.	468	457	11	409	398	11
Duke U.	168,063	65,970	102,093	81,769	51,812	29,957
Shaw U.	0	0	0	0	0	0
Wake Forest U.	23,171	16,863	6,308	23,171	16,863	6,308
North Dakota						
Public						
Mayville State U.	0	0	0	0	0	0
Minot State U.	0	0	0	0	0	0
ND State U.	6,312	3,561	2,751	5,973	3,487	2,486
U. ND	4,633	2,219	2,414	4,633	2,219	2,414

TABLE 35. Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2010  
(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures passed through	To educational subrecipients	To other subrecipients	All R&D expenditures passed through	To educational subrecipients	To other subrecipients
Ohio						
Public						
Air Force Institute of Technology	1,306	652	654	1,289	652	637
Bowling Green State U.	750	519	231	732	519	213
Central State U.	50	50	0	50	50	0
Cleveland State U.	1,424	536	888	768	83	685
Kent State U.	2,714	1,754	960	2,247	1,341	906
Miami U.	1,098	674	424	981	627	354
Northeastern OH Universities C. of Medicine	663	239	424	258	157	101
OH State U.	57,802	29,917	27,885	31,110	21,528	9,582
OH U.	823	461	362	640	323	317
U. Akron	3,812	1,616	2,196	853	640	213
U. Cincinnati	22,209	11,476	10,733	21,110	11,476	9,634
U. Toledo	5,621	4,044	1,577	3,181	1,708	1,473
Wright State U.	3,465	1,295	2,170	1,802	1,163	639
Youngstown State U.	0	0	0	0	0	0
Private						
Case Western Reserve U.	29,797	17,689	12,108	26,888	17,206	9,682
C. Wooster	0	0	0	0	0	0
Denison U.	38 i	32 i	6 i	36 i	31 i	5 i
John Carroll U.	44	0	44	0	0	0
Kenyon C.	0	0	0	0	0	0
Oberlin C.	0	0	0	0	0	0
OH Northern U.	1	1	0	1	1	0
OH Wesleyan U.	0	0	0	0	0	0
U. Dayton	27,434	5,983	21,451	22,292	3,113	19,179
Wilberforce U.	0	0	0	0	0	0
Oklahoma						
Public						
Langston U.	80	0 i	80 i	0 i	0 i	0 i
Northeastern State U.	0	0	0	0	0	0
OK State U. main campus	7,089	6,026	1,063	6,258	5,320	938
OK State U. Ctr. for Health Sciences	3	0	3	3	0	3
OK State U. Tulsa	0	0	0	0	0	0
Southeastern OK State U.	0	0	0	0	0	0
Southwestern OK State U.	0	0	0	0	0	0
U. Central OK	153	153	0	153	153	0
U. OK	11,020	7,644	3,376	8,254	6,531	1,723



TABLE 35. Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2010  
(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures passed through	To educational subrecipients	To other subrecipients	All R&D expenditures passed through	To educational subrecipients	To other subrecipients
Private						
U. Tulsa	561	561	0	560	560	0
Oregon						
Public						
Eastern OR U.	0	0	0	0	0	0
OR Health & Science U.	28,485	14,757	13,728	26,851	13,905	12,946
OR State U.	12,914	8,272	4,642	11,098	6,894	4,204
Portland State U.	10,223	4,521	5,702	5,529	4,425	1,104
Southern OR U.	0	0	0	0	0	0
U. OR	6,262	3,210	3,052	5,878	3,124	2,754
Western OR U.	245	0	245	245	0	245
Private						
Lewis & Clark C.	0	0	0	0	0	0
Pacific U.	0	0	0	0	0	0
Reed C.	0	0	0	0	0	0
U. Portland	0	0	0	0	0	0
Western States Chiropractic C.	49	43	6	49	43	6
Willamette U.	0	0	0	0	0	0
Pennsylvania						
Public						
Cheyney U. PA	0	0	0	0	0	0
Indiana U. PA	0	0	0	0	0	0
Lincoln U. of the Commonwealth of PA	0	0	0	0	0	0
Millersville U. PA	0	0	0	0	0	0
PA State U. Altoona	0	0	0	0	0	0
PA State U. Beaver	0	0	0	0	0	0
PA State U. Berks	0	0	0	0	0	0
PA State U. Erie, The Behrend C.	26	13 i	13 i	0	0	0
PA State U. Great Valley School of Graduate Professional Studies	0	0	0	0	0	0
PA State U. Harrisburg	0	0	0	0	0	0
PA State U. University Park and Hershey Medical Ctr.	70,096	39,082 i	31,014 i	65,860	37,369 i	28,491 i
PA State U. Worthington-Scranton	0	0	0	0	0	0
Temple U.	9,426	7,401	2,025	7,500	5,819	1,681
U. Pittsburgh main campus	51,837	26,955	24,882	49,758	25,874	23,884
West Chester U. PA	0 i	0 i	0 i	0 i	0 i	0 i

TABLE 35. Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2010  
(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures passed through	To educational subrecipients	To other subrecipients	All R&D expenditures passed through	To educational subrecipients	To other subrecipients
Private						
Allegheny C.	0	0	0	0	0	0
Arcadia U.	308 i	308 i	0 i	308 i	308 i	0 i
Bryn Mawr C.	38	16	22	38	16	22
Bucknell U.	0	0	0	0	0	0
Carnegie Mellon U.	22,491	17,051	5,440	21,816	16,709	5,107
Dickinson C.	9	9	0	9	9	0
Drexel U.	11,810	6,078	5,732	11,734	6,078	5,656
Duquesne U.	276	233	43	276	233	43
Elizabethtown C.	0 i	0 i	0 i	0 i	0 i	0 i
Franklin & Marshall C.	0	0	0	0	0	0
Gettysburg C.	0	0	0	0	0	0
Haverford C.	0	0	0	0	0	0
Juniata C.	0	0	0	0	0	0
La Salle U.	138	0	138	138	0	138
Lafayette C.	122	122	0	122	122	0
Lehigh U.	4,408	4,142	266	1,954	1,763	191
Mercyhurst C.	0	0	0	0	0	0
Muhlenberg C.	0	0	0	0	0	0
Philadelphia C. of Osteopathic Medicine	0	0	0	0	0	0
Philadelphia U.	0	0	0	0	0	0
Salus U.	50	50	0	50	50	0
St. Francis U.	0	0	0	0	0	0
St. Joseph's U.	190	0	190	190	0	190
Swarthmore C.	91	74	17	69	52	17
Thomas Jefferson U.	5,166	3,356	1,810	4,662	3,081	1,581
U. PA	69,898	45,129	24,769	63,059	38,290	24,769
U. Scranton	0	0	0	0	0	0
U. of the Sciences Philadelphia	68	68	0	58	58	0
Ursinus C.	33	33	0	33	33	0
Villanova U.	963 i	541 i	422 i	813 i	484 i	329 i
Washington and Jefferson C.	0	0	0	0	0	0
Wilkes U.	0	0	0	0	0	0
Rhode Island						
Public						
U. RI	12,615	4,916	7,699	11,098	4,459	6,639

TABLE 35. Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2010  
(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures passed through	To educational subrecipients	To other subrecipients	All R&D expenditures passed through	To educational subrecipients	To other subrecipients
Private						
Brown U.	14,287	7,323	6,964	13,692	7,189	6,503
Providence C.	0	0	0	0	0	0
Roger Williams U.	0	0	0	0	0	0
South Carolina						
Public						
Clemson U.	7,245	4,039 i	3,206 i	6,671	3,785 i	2,886 i
Coastal Carolina U.	NA	NA	NA	NA	NA	NA
C. Charleston	2,347	2,330	17	2,347	2,330	17
Medical U. SC	11,889	5,554	6,335	11,237	5,429	5,808
SC State U.	1,260	1,260	0	1,260	1,260	0
U. SC Aiken	18 i	10 i	8 i	14 i	9 i	5 i
U. SC Beaufort	1 i	0 i	1 i	0 i	0 i	0 i
U. SC Columbia	6,255	6,255	0	5,556	5,556	0
U. SC Upstate	14 i	8 i	6 i	11 i	7 i	4 i
Private						
Benedict C.	0	0	0	0	0	0
Clafin U.	66	0	66	66	0	66
Furman U.	0	0	0	0	0	0
South Dakota						
Public						
Black Hills State U.	131	131	0	131	131	0
SD School of Mines and Technology	878	732	146	615	496	119
SD State U.	9,949	6,970	2,979	9,478	6,895	2,583
U. SD	8,225	4,856	3,369	7,626	4,257	3,369
Private						
Augustana C. (Sioux Falls, SD)	0	0	0	0	0	0
Sinte Gleska U.	0	0	0	0	0	0
Tennessee						
Public						
East TN State U.	0	0	0	0	0	0
Middle TN State U.	49	49	0	49	49	0
TN State U.	446	244	202	446	244	202
TN Technological U.	1,239	809	430	1,198	782	416
U. Memphis, The	3,661	1,819	1,842	3,398	1,732	1,666
U. TN Chattanooga	1,874	58	1,816	1,874	58	1,816

TABLE 35. Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2010  
(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures passed through	To educational subrecipients	To other subrecipients	All R&D expenditures passed through	To educational subrecipients	To other subrecipients
U. TN Knoxville	17,744	6,123	11,621	17,744	6,123	11,621
U. TN Martin	0	0	0	0	0	0
Private						
Fisk U.	226	226	0	226	226	0
Le Moyne-Owen C.	0	0	0	0	0	0
Meharry Medical C.	1,836	1,836	0	1,836	1,836	0
Rhodes C.	0	0	0	0	0	0
Vanderbilt U.	44,989	26,629	18,360	41,527	25,488	16,039
Texas						
Public						
Angelo State U.	8	8	0	8	8	0
Lamar U.	90	47	43	46	3	43
Midwestern State U.	0	0	0	0	0	0
Prairie View A&M U.	1,378	165	1,213	1,378	165	1,213
Sam Houston State U.	869	469	400	869	469	400
Stephen F. Austin State U.	2,040	2,010	30	2,040	2,010	30
Sul Ross State U.	778	762	16	778	762	16
Tarleton State U.	0	0	0	0	0	0
TX A&M International U.	153	153	0	153	153	0
TX A&M U.	42,742	22,924	19,818	33,744	17,506	16,238
TX A&M U.-Commerce	0	0	0	0	0	0
TX A&M U.-Corpus Christi	603	598	5	570	566	4
TX A&M U.-Kingsville	624	515	109	610	515	95
TX A&M U. System Health Science Ctr.	3,171	2,212	959	2,523	1,695	828
TX Southern U.	241	177	64	241	177	64
TX State U.-San Marcos	627	258	369	505	258	247
TX Tech U.	3,300	2,980	320	2,820	2,720	100
TX Tech U. Health Sciences Ctr.	404	385	19	404	385	19
TX Woman's U.	76	73	3	73	73	0
U. Houston	9,552	5,325 i	4,227 i	6,177	3,504 i	2,673 i
U. Houston-Clear Lake	41	41	0	41	41	0
U. Houston-Downtown	1	1	0	1	1	0
U. North TX	691	387	304	617	335	282
U. North TX Health Science Ctr.	4,649	4,061	588	4,510	4,061	449
U. TX Arlington	5,247	3,442	1,805	4,892	3,251	1,641
U. TX Austin	37,120	18,808	18,312	25,980	12,400	13,580
U. TX Brownsville	161	119	42	161	119	42
U. TX Dallas	6,070	4,460	1,610	3,339	2,478	861

TABLE 35. Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2010  
(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures passed through	To educational subrecipients	To other subrecipients	All R&D expenditures passed through	To educational subrecipients	To other subrecipients
U. TX El Paso	4,634	3,291	1,343	4,207	2,965	1,242
U. TX Health Science Ctr. Houston	23,265	20,102	3,163	22,864	19,876	2,988
U. TX Health Science Ctr. San Antonio	12,379	4,531	7,848	12,249	4,480	7,769
U. TX M. D. Anderson Cancer Ctr.	16,804	11,707	5,097	15,889	10,981	4,908
U. TX Medical Branch	15,274	11,968	3,306	15,274	11,968	3,306
U. TX of the Permian Basin	0	0	0	0	0	0
U. TX Pan American	414	414	0	414	414	0
U. TX San Antonio	2,723	1,752	971	2,402	1,737	665
U. TX Southwestern Medical Ctr. Dallas	13,434	9,997	3,437	13,434	9,997	3,437
U. TX Tyler	733	733	0	733	733	0
West TX A&M U.	138	44	94	129	35	94
Private						
Abilene Christian U.	9	9	0	9	9	0
Baylor C. of Medicine	39,628	32,128	7,500	38,602	31,203	7,399
Baylor U.	459	290	169	257	257	0
Jarvis Christian C.	8	8	0	8	8	0
LeTourneau U.	0	0	0	0	0	0
Rice U.	9,134	8,313	821	7,632	6,830	802
Southern Methodist U.	1,363	469	894	1,363	469	894
St. Mary's U. (San Antonio, TX)	0	0	0	0	0	0
TX Christian U.	186	164	22	0	0	0
Trinity U.	0	0	0	0	0	0
Wiley C.	0	0	0	0	0	0
Utah						
Public						
U. UT	23,054	11,416	11,638	22,156	10,828	11,328
UT State U.	14,258	4,981	9,277	13,216	4,966	8,250
Weber State U.	0	0	0	0	0	0
Private						
Brigham Young U.	809	522	287	809	522	287
Vermont						
Public						
U. VT	11,563	7,042	4,521	10,730	6,703	4,027
Private						
Middlebury C.	36	36	0	36	36	0
St. Michael's C.	0	0	0	0	0	0

TABLE 35. Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2010  
(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures passed through	To educational subrecipients	To other subrecipients	All R&D expenditures passed through	To educational subrecipients	To other subrecipients
Virginia						
Public						
Christopher Newport U.	0	0	0	0	0	0
C. of William and Mary and VA Institute of Marine Science	4,256	2,749	1,507	3,129	1,833	1,296
George Mason U.	6,720	2,029	4,691	5,934	1,805	4,129
James Madison U.	2,396	72	2,324	2,396	72	2,324
Norfolk State U.	231	231	0	231	231	0
Old Dominion U.	3,357	1,851	1,506	2,414	1,128	1,286
Radford U.	13	13	0	13	13	0
U. VA main campus	24,243	18,463	5,780	23,694	18,135	5,559
U. VA's C. Wise, The	0	0	0	0	0	0
VA Commonwealth U.	12,131	8,191	3,940	10,748	7,759	2,989
VA Military Institute	0	0	0	0	0	0
VA Polytechnic Institute and State U.	20,526	11,870	8,656	19,386	11,361	8,025
VA State U.	57	57	0	57	57	0
Private						
Eastern VA Medical School	23,998	7,214	16,784	16,841	4,854	11,987
Hampton U.	3,448 i	2,315 i	1,133 i	3,448 i	2,315 i	1,133 i
Roanoke C.	0 i	0 i	0 i	0 i	0 i	0 i
U. Richmond	269	269	0	269	269	0
Washington and Lee U.	127	0	127	0	0	0
Washington						
Public						
Central WA U.	43	0	43	43	0	43
Eastern WA U.	212 i	120 i	92 i	24 i	12 i	12 i
Evergreen State C.	0	0	0	0	0	0
U. WA Bothell	33 i	18 i	15 i	24 i	14 i	10 i
U. WA Seattle	66,478 i	37,204 i	29,274 i	58,554 i	33,350 i	25,204 i
U. WA Tacoma	46 i	24 i	22 i	34 i	19 i	15 i
WA State U.	16,234	10,251	5,983	9,701	6,263	3,438
Western WA U.	506	203	303	420	191	229
Private						
Bastyr U.	75	68	7	75	68	7
Gonzaga U.	0	0	0	0	0	0
Northwest Indian C.	555	555	0	555	555	0
Pacific Lutheran U.	0	0	0	0	0	0
Seattle Pacific U.	0	0	0	0	0	0

TABLE 35. Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2010  
(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures passed through	To educational subrecipients	To other subrecipients	All R&D expenditures passed through	To educational subrecipients	To other subrecipients
Seattle U.	142 i	142 i	0 i	142 i	142 i	0 i
U. Puget Sound	75	75	0	75	75	0
Whitman C.	0	0	0	0	0	0
West Virginia						
Public						
Marshall U.	2,921	2,814	107	2,491	2,384	107
West Liberty State C.	0	0	0	0	0	0
WV School of Osteopathic Medicine	0	0	0	0	0	0
WV State U.	630	604	26	630	604	26
WV U.	5,669	2,969	2,700	5,669	2,969	2,700
Private						
Wheeling Jesuit U.	0	0	0	0	0	0
Wisconsin						
Public						
U. WI-Eau Claire	9	9	0	9	9	0
U. WI-Green Bay	0	0	0	0	0	0
U. WI-La Crosse	0	0	0	0	0	0
U. WI-Madison	62,061	48,550	13,511	58,886	46,664	12,222
U. WI-Milwaukee	3,739	2,316	1,423	3,676	2,253	1,423
U. WI-Oshkosh	0	0	0	0	0	0
U. WI-Parkside	0	0	0	0	0	0
U. WI-Platteville	0	0	0	0	0	0
U. WI-River Falls	0	0	0	0	0	0
U. WI-Stevens Point	927	4	923	927	4	923
U. WI-Stout	0	0	0	0	0	0
U. WI-Superior	3,105	1,479	1,626	3,095	1,479	1,616
U. WI-Whitewater	0	0	0	0	0	0
Private						
Lawrence U.	0	0	0	0	0	0
Marquette U.	1,337	338	999	1,229	304	925
Medical C. WI	21,359	6,300	15,059	20,624	6,187	14,437
Milwaukee School of Engineering	7	7	0	0	0	0
Wyoming						
Public						
U. WY	2,023	1,179	844	2,023	1,179	844

TABLE 35. Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2010  
(Dollars in thousands)

State, institutional control, and institution	Total			Federally financed		
	All R&D expenditures passed through	To educational subrecipients	To other subrecipients	All R&D expenditures passed through	To educational subrecipients	To other subrecipients
Guam						
Public						
U. GU	9	9	0	9	9	0
Puerto Rico						
Public						
U. PR Cayey	0	0	0	0	0	0
U. PR Humacao	1 i	1 i	0 i	1 i	1 i	0 i
U. PR Mayaguez	368	368	0	368	368	0
U. PR Medical Sciences Campus	93	93	NA	93	93	NA
U. PR Rio Piedras	224	224	0	224	224	0
Private						
Carlos Albizu U. (San Juan, PR)	0	0	0	0	0	0
Ponce School of Medicine	0	0	0	0	0	0
Universidad Central del Caribe	0	0	0	0	0	0
Universidad del Este	0	0	0	0	0	0
Universidad del Turabo	55	55	0	55	55	0
Universidad Metropolitana	89	89	0	89	89	0
Virgin Islands						
Public						
U. of the VI	477	0 i	477 i	4	0 i	4 i

i = imputed. NA = not available; data were not provided by the institution.

<sup>a</sup> The Johns Hopkins University includes Applied Physics Laboratory, with \$0 in both total and federally financed R&D expenditures passed through to subrecipients in FY 2010.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.



TABLE 36. Headcount of R&amp;D personnel at higher education institutions, by state, institutional control, and institution: FY 2010

State, institutional control, and institution	All personnel			Postdocs <sup>a</sup>
	Total	Principal investigators	Other personnel	
Alabama				
Public				
AL A&M U.	680	120	560	39
AL State U.	134	49	85	15
Auburn U. main campus	NA	NA	NA	NA
Auburn U. Montgomery	11	2	9	1
Jacksonville State U.	23	1	22	NA
U. AL Birmingham, The	5,197	711	4,486	221
U. AL Huntsville, The	1,070	194	876	18
U. AL, The	1,124	208	916	44
U. South AL	1,114	128	986	76
Private				
Tuskegee U.	NA	NA	NA	NA
Alaska				
Public				
U. AK Anchorage	236	12	224	6
U. AK Fairbanks	1,208	48	1,160	49
U. AK Southeast	29	3	26	1
Private				
AK Pacific U.	40	4	36	6
Arizona				
Public				
AZ State U.	5,849	657	5,192	266
Northern AZ U.	NA	NA	NA	NA
U. AZ	8,779	2,122	6,657	555
Arkansas				
Public				
AR State U. main campus	NA	NA	NA	NA
AR Tech U.	NA	NA	NA	NA
U. AR main campus	3,288	437	2,851	108
U. AR for Medical Sciences	2,351	313	2,038	23
U. AR Little Rock	NA	NA	NA	NA
U. AR Pine Bluff	225	18	207	2
U. Central AR	118	25	93	25
Private				
Hendrix C.	41	9	32	0
California				
Public				
CA Polytechnic State U., San Luis Obispo	746	139	607	0
CA State Polytechnic U., Pomona	513	63	450	0
CA State U., Bakersfield	165	37	128	5
CA State U., Chico	159	33	126	0
CA State U., Dominguez Hills	260	16	244	0
CA State U., East Bay	NA	NA	NA	NA
CA State U., Fresno	525	72	453	NA
CA State U., Fullerton	934	75	859	1
CA State U., Long Beach	379	104	275	1
CA State U., Los Angeles	292	53	239	0
CA State U., Monterey Bay	71	10	61	2
CA State U., Northridge	NA	NA	NA	NA

TABLE 36. Headcount of R&amp;D personnel at higher education institutions, by state, institutional control, and institution: FY 2010

State, institutional control, and institution	All personnel			Postdocs <sup>a</sup>
	Total	Principal investigators	Other personnel	
CA State U., Sacramento	328	117	211	0
CA State U., San Bernardino	316	21	295	0
CA State U., San Marcos	68	20	48	0
Humboldt State U.	NA	NA	NA	NA
Naval Postgraduate School	275	275	0	25
San Diego State U.	1,565	289	1,276	70
San Francisco State U.	360	160	200	16
San Jose State U.	709	132	577	0
Sonoma State U.	50	8	42	0
U. CA Office of the President	131	5	126	0
U. CA, Berkeley	9,947	1,155	8,792	1,434
U. CA, Davis	9,929	1,630	8,299	1,118
U. CA, Irvine	4,663	805	3,858	468
U. CA, Los Angeles	11,927	1,658	10,269	1,326
U. CA, Merced	422	86	336	30
U. CA, Riverside	2,512	398	2,114	286
U. CA, San Diego	9,407	1,519	7,888	1,487
U. CA, San Francisco	8,185	1,225	6,960	1,186
U. CA, Santa Barbara	3,241	506	2,735	438
U. CA, Santa Cruz	2,224	353	1,871	195
Private				
CA Institute of Technology	3,216	226	2,990	584
Chapman U.	113	23	90	0
Charles R. Drew U. of Medicine and Science	175	30	145	30
Claremont Graduate U.	90	40	50	15
Claremont McKenna C.	362	63	299	2
Fuller Theological Seminary	46	9	37	1
Harvey Mudd C.	NA	NA	NA	NA
Loma Linda U.	547	210	337	80
Loyola Marymount U.	160	20	140	1
Mills C.	24	8	16	0
Mt. St. Mary's C. (Los Angeles, CA)	39	3	36	20
Occidental C.	186	16	170	0
Pepperdine U.	89	31	58	NA
Pitzer C.	5	2	3	5
Pomona C.	208	27	181	2
Santa Clara U.	NA	NA	NA	NA
Scripps Research Institute, The	2,551	264	2,287	748
Stanford U.	8,461	1,206	7,255	1,427
Touro U.-CA	44	8	36	4
U. Redlands	25	5	20	0
U. San Diego	246	22	224	1
U. San Francisco	NA	20	NA	NA
U. Southern CA	5,241	866	4,375	307
U. of the Pacific	NA	NA	NA	NA
Vanguard U. Southern CA	NA	NA	NA	NA
Western U. of Health Sciences	37	10	27	3
Colorado				
Public				
CO School of Mines	1,097	148	949	74
CO State U.	NA	877	NA	NA
CO State U. Pueblo	26	2	24	0
Ft. Lewis C.	33	10	23	NA

TABLE 36. Headcount of R&amp;D personnel at higher education institutions, by state, institutional control, and institution: FY 2010

State, institutional control, and institution	All personnel			Postdocs <sup>a</sup>
	Total	Principal investigators	Other personnel	
Mesa State C.	62	14	48	0
U.S. Air Force Academy	196	76	120	5
U. CO Boulder	2,483	695	1,788	37
U. CO Colorado Springs	NA	NA	NA	0
U. CO Denver and Health Sciences Ctr.	2,890	1,092	1,798	154
U. Northern CO	150	25	125	2
Private				
CO C.	120	20	100	15
U. Denver	394	67	327	32
Connecticut				
Public				
Central CT State U.	117	48	69	0
Southern CT State U.	NA	NA	NA	NA
U.S. Coast Guard Academy	1	1	0	1
U. CT	4,021	742	3,279	226
Private				
CT C.	30	13	17	0
Fairfield U.	NA	NA	NA	NA
Trinity C. (Hartford, CT)	214	13	201	0
U. Hartford	165	15	150	0
Wesleyan U.	289	40	249	6
Yale U.	6,413	1,069	5,344	97
Delaware				
Public				
DE State U.	172	22	150	6
U. DE	3,038	352	2,686	167
District of Columbia				
Public				
U. DC	66	14	52	1
Private				
American U.	NA	NA	NA	NA
Catholic U. America, The	389	101	288	25
Gallaudet U.	114	9	105	1
George Washington U.	1,657	391	1,266	37
Georgetown U.	2,035	374	1,661	151
Howard U.	1,367	109	1,258	NA
Florida				
Public				
FL A&M U.	3,034	110	2,924	15
FL Atlantic U.	382	172	210	16
FL Gulf Coast U.	592	72	520	5
FL International U.	650	300	350	65
FL State U.	5,221	478	4,743	233
New C. FL	50	36	14	1
U. Central FL	3,254	442	2,812	96
U. FL	NA	NA	NA	NA
U. North FL	376	67	309	0
U. South FL	3,215	1,168	2,047	240
U. South FL Polytechnic	26	16	10	0
U. South FL Sarasota-Manatee	42	17	25	0

TABLE 36. Headcount of R&D personnel at higher education institutions, by state, institutional control, and institution: FY 2010

State, institutional control, and institution	All personnel			Postdocs <sup>a</sup>
	Total	Principal investigators	Other personnel	
U. South FL St. Petersburg	103	67	36	0
U. West FL	388	38	350	0
Private				
Barry U.	32	5	27	0
Eckerd C.	27	9	18	0
Embry-Riddle Aeronautical U.	184	151	33	0
FL Institute of Technology	108	87	21	21
Jacksonville U.	36	12	24	24
Nova Southeastern U.	369	31	338	6
U. Miami	NA	NA	NA	NA
Georgia				
Public				
Albany State U.	45	7	38	0
Armstrong Atlantic State U.	NA	NA	NA	NA
Ft. Valley State U.	57	23	34	23
GA Institute of Technology	NA	1,241	NA	NA
GA Southern U.	217	26	191	0
GA State U.	3,017	409	2,608	88
Kennesaw State U.	161	19	142	0
Medical C. GA	935	243	692	155
North GA C. & State U.	9	5	4	0
Savannah State U.	40	13	27	1
Southern Polytechnic State U.	135	5	130	13
U. GA	5,794	348	5,446	384
U. West GA	140	22	118	0
Private				
Agnes Scott C.	84	12	72	2
Clark Atlanta U.	619	36	583	7
Emory U.	5,644	979	4,665	716
Mercer U.	412	51	361	8
Morehouse C.	NA	NA	NA	0
Morehouse School of Medicine	NA	NA	NA	NA
Spelman C.	116	29	87	9
Hawaii				
Public				
U. HI Hilo	NA	NA	NA	NA
U. HI Manoa	4,350	441	3,909	630
Idaho				
Public				
Boise State U.	NA	NA	NA	NA
ID State U.	646	86	560	8
U. ID	1,840	312	1,528	59
Illinois				
Public				
Chicago State U.	NA	NA	NA	NA
Eastern IL U.	95	34	61	0
Governors State U.	32	3	29	0
IL State U.	918	172	746	5
Northeastern IL U.	76	10	66	0
Northern IL U.	451	210	241	NA
Southern IL U. Carbondale	1,868	202	1,666	33

TABLE 36. Headcount of R&amp;D personnel at higher education institutions, by state, institutional control, and institution: FY 2010

State, institutional control, and institution	All personnel			Postdocs <sup>a</sup>
	Total	Principal investigators	Other personnel	
Southern IL U. Edwardsville	254	62	192	5
U. IL Chicago	6,094	1,158	4,936	396
U. IL Springfield	69	12	57	0
U. IL Urbana-Champaign	11,716	1,393	10,323	593
Western IL U.	136	18	118	0
Private				
Augustana C. (Rock Island, IL)	95	26	69	0
Benedictine U.	11	3	8	0
Bradley U.	111	19	92	0
DePaul U.	394	106	288	0
IL Institute of Technology	971	133	838	14
IL Wesleyan U.	442	161	281	1
Lake Forest C.	NA	NA	NA	0
Loyola U. Chicago	869	171	698	90
Midwestern U. (Downers Grove, IL)	98	3	95	4
National U. of Health Sciences	23	2	21	0
Northwestern U.	9,693	1,560	8,133	121
Rosalind Franklin U. of Medicine and Science	173	43	130	21
Rush U.	921	313	608	44
U. Chicago	4,659	897	3,762	666
Indiana				
Public				
Ball State U.	408	58	350	0
IN State U.	99	13	86	3
IN U. Bloomington	1,755	403	1,352	157
IN U. South Bend	35	7	28	2
IN U. Southeast	21	3	18	0
IN U.-Purdue U. Ft. Wayne	286	24	262	1
IN U.-Purdue U. Indianapolis	2,807	827	1,980	271
Purdue U. main campus	10,916	1,215	9,701	524
Purdue U. Calumet	402	41	361	3
Purdue U. North Central	55	4	51	0
Private				
DePauw U.	96	35	61	0
Rose-Hulman Institute of Technology	115	20	95	1
U. of Notre Dame	2,372	419	1,953	218
Valparaiso U.	60	15	45	2
Wabash C.	108	11	97	9
Iowa				
Public				
IA State U.	5,557	777	4,780	308
U. IA	6,686	938	5,748	325
U. Northern IA	224	19	205	0
Private				
Coe C.	89	37	52	27
Des Moines U.	98	5	93	0
Drake U.	NA	NA	NA	NA
Grinnell C.	160	150	10	0
Luther C.	42	12	30	0
Palmer C. of Chiropractic	36	10	26	8

TABLE 36. Headcount of R&amp;D personnel at higher education institutions, by state, institutional control, and institution: FY 2010

State, institutional control, and institution	All personnel			Postdocs <sup>a</sup>
	Total	Principal investigators	Other personnel	
<b>Kansas</b>				
Public				
Haskell Indian Nations U.	70	20	50	4
KS State U.	4,274	356	3,918	42
Pittsburg State U.	72	12	60	5
U. KS	4,068	739	3,329	266
Wichita State U.	741	93	648	13
<b>Kentucky</b>				
Public				
Eastern KY U.	127	20	107	0
KY State U.	47	35	12	24
Morehead State U.	NA	NA	NA	0
Murray State U.	151	18	133	3
Northern KY U.	179	49	130	3
U. KY	NA	NA	NA	NA
U. Louisville	2,237	474	1,763	164
Western KY U.	398	49	349	0
<b>Louisiana</b>				
Public				
Grambling State U.	45	25	20	0
LA State U. and A&M C.	4,258	661	3,597	135
LA State U. Health Sciences Ctr. New Orleans	802	154	648	42
LA State U. Medical Ctr. Shreveport	578	75	503	81
LA State U. Shreveport	29	7	22	0
LA Tech U.	1,005	84	921	7
McNeese State U.	111	46	65	1
Nicholls State U.	81	16	65	0
Northwestern State U.	40	13	27	0
Southeastern LA U.	138	33	105	0
Southern U. Baton Rouge	NA	NA	NA	NA
Southern U. New Orleans	2	2	0	0
U. LA Lafayette	663	94	569	16
U. LA Monroe	NA	NA	NA	NA
U. New Orleans	760	149	611	38
Private				
Dillard U.	44	13	31	0
Loyola U. New Orleans	56	13	43	0
Tulane U.	3,341	429	2,912	170
Xavier U. LA	339	29	310	0
<b>Maine</b>				
Public				
U. ME	2,073	303	1,770	0
U. Southern ME	269	58	211	0
Private				
Bates C.	82	18	64	0
Bowdoin C.	83	23	60	2
Colby C.	149	30	119	NA
St. Joseph's C. (Standish, ME)	10	5	5	4
U. New England	85	21	64	1

TABLE 36. Headcount of R&amp;D personnel at higher education institutions, by state, institutional control, and institution: FY 2010

State, institutional control, and institution	All personnel			Postdocs <sup>a</sup>
	Total	Principal investigators	Other personnel	
<b>Maryland</b>				
Public				
Frostburg State U.	37	1	36	0
Morgan State U.	300	50	250	NA
Salisbury U.	72	32	40	40
St. Mary's C. MD	14	5	9	0
Towson U.	122	65	57	0
Uniformed Services U. of the Health Sciences	9	0	9	4
U.S. Naval Academy	216	118	98	7
U. Baltimore	148	15	133	0
U. MD Baltimore	NA	NA	NA	NA
U. MD Baltimore County	NA	NA	NA	NA
U. MD Ctr. for Environmental Science	268	163	105	2
U. MD College Park	7,600	1,220	6,380	416
U. MD Eastern Shore	29	5	24	0
Private				
Goucher C.	30	8	22	3
Johns Hopkins U., The <sup>b</sup>	15,307	1,012	14,295	1,721
Loyola C.	23	13	10	0
<b>Massachusetts</b>				
Public				
Bridgewater State C.	37	32	5	0
Fitchburg State C.	15	2	13	0
U. MA Amherst	3,575	529	3,046	279
U. MA Boston	693	209	484	14
U. MA Dartmouth	614	69	545	10
U. MA Lowell	1,191	221	970	93
U. MA Worcester	2,261	465	1,796	440
Private				
Amherst C.	275	16	259	3
Boston C.	NA	NA	NA	NA
Boston U.	23,657	751	22,906	NA
Brandeis U.	1,311	162	1,149	126
Clark U.	263	52	211	14
C. of the Holy Cross	110	17	93	0
Hampshire C.	6	4	2	0
Harvard U.	6,241	697	5,544	1,193
MA C. of Pharmacy and Health Sciences	6	5	1	0
MA Institute of Technology	8,236	809	7,427	1,389
Mt. Holyoke C.	122	15	107	4
New England C. of Optometry	24	6	18	0
Northeastern U.	1,328	274	1,054	116
Simmons C.	34	8	26	0
Smith C.	205	54	151	3
Tufts U.	NA	NA	NA	NA
Wellesley C.	297	77	220	10
Williams C.	100	45	55	NA
Woods Hole Oceanographic Institution	701	177	524	60
Worcester Polytechnic Institute	591	119	472	27
<b>Michigan</b>				
Public				
Central MI U.	NA	NA	NA	NA

TABLE 36. Headcount of R&amp;D personnel at higher education institutions, by state, institutional control, and institution: FY 2010

State, institutional control, and institution	All personnel			Postdocs <sup>a</sup>
	Total	Principal investigators	Other personnel	
Eastern MI U.	713	124	589	55
Grand Valley State U.	NA	NA	NA	NA
MI State U.	10,201	1,224	8,977	468
MI Technological U.	1,704	227	1,477	14
Northern MI U.	48	7	41	0
Oakland U.	NA	NA	NA	NA
Saginaw Valley State U.	32	5	27	0
U. MI-Ann Arbor	19,552	4,135	15,417	1,641
U. MI-Dearborn	219	125	94	17
U. MI-Flint	82	36	46	0
Wayne State U.	3,761	755	3,006	99
Western MI U.	739	156	583	14
Private				
Andrews U.	92	1	91	0
Calvin C.	286	28	258	0
Hope C.	371	51	320	4
Kalamazoo C.	45	9	36	0
Kettering U.	126	44	82	6
Lawrence Technological U.	29	18	11	0
U. Detroit Mercy	47	13	34	1
Minnesota				
Public				
MN State U. Mankato	NA	NA	NA	0
St. Cloud State U.	334	32	302	0
U. MN Duluth	740	93	647	7
U. MN Morris	67	9	58	0
U. MN Rochester	9	3	6	4
U. MN Twin Cities	13,783	1,889	11,894	846
Winona State U.	29	19	10	10
Private				
Carleton C.	249	19	230	0
Concordia C.	47	22	25	0
Gustavus Adolphus C.	61	26	35	0
Macalester C.	82	25	57	0
Northwestern Health Sciences U.	23	3	20	3
St. John's U. (Collegeville, MN)	29	29	0	0
St. Olaf C.	66	21	45	0
U. of St. Thomas (St. Paul, MN)	187	24	163	65
Mississippi				
Public				
Alcorn State U.	NA	NA	NA	NA
Jackson State U.	326	115	211	29
MS State U.	4,148	614	3,534	64
MS Valley State U.	NA	NA	NA	NA
U. MS and U. MS Medical Ctr.	1,040	207	833	86
U. Southern MS	1,064	136	928	30
Private				
Millsaps C.	14	7	7	0
Tougaloo C.	12	6	6	6



TABLE 36. Headcount of R&amp;D personnel at higher education institutions, by state, institutional control, and institution: FY 2010

State, institutional control, and institution	All personnel			Postdocs <sup>a</sup>
	Total	Principal investigators	Other personnel	
<b>Missouri</b>				
Public				
Lincoln U. (Jefferson City, MO)	156	43	113	31
MO State U.	214	32	182	0
MO U. of Science and Technology	NA	NA	NA	NA
Truman State U.	177	12	165	0
U. MO-Columbia	NA	NA	NA	NA
U. MO-Kansas City	NA	NA	NA	NA
U. MO-St. Louis	NA	NA	NA	NA
Private				
A. T. Still U. of Health Sciences	22	6	16	1
Kansas City U. of Medicine and Biosciences	10	2	8	0
St. Louis U.	852	242	610	26
Washington U. St. Louis	8,133	1,336	6,797	790
<b>Montana</b>				
Public				
MT State U. Billings	51	6	45	0
MT State U. Bozeman	826	519	307	41
MT Tech of the U. MT	100	45	55	NA
U. MT-Missoula, The	2,124	385	1,739	44
U. MT Western, The	12	3	9	0
Private				
Salish Kootenai C.	17	4	13	0
<b>Nebraska</b>				
Public				
U. NE Kearney	NA	59	NA	NA
U. NE-Lincoln	7,185	655	6,530	211
U. NE Medical Ctr.	1,753	587	1,166	143
U. NE Omaha	389	107	282	3
Private				
Creighton U.	NA	NA	NA	NA
<b>Nevada</b>				
Public				
Desert Research Institute	457	113	344	22
U. NV, Las Vegas	1,105	145	960	29
U. NV, Reno	2,112	862	1,250	102
<b>New Hampshire</b>				
Public				
Plymouth State U.	NA	NA	NA	NA
U. NH	2,338	281	2,057	26
Private				
Dartmouth C.	NA	NA	NA	NA
<b>New Jersey</b>				
Public				
C. NJ, The	26	9	17	NA
Montclair State U.	94	19	75	1
NJ City U.	23	18	5	0
NJ Institute of Technology	NA	NA	NA	NA
Rowan U.	280	30	250	2

TABLE 36. Headcount of R&amp;D personnel at higher education institutions, by state, institutional control, and institution: FY 2010

State, institutional control, and institution	All personnel			Postdocs <sup>a</sup>
	Total	Principal investigators	Other personnel	
Rutgers, the State U. NJ-Camden	NA	NA	NA	NA
Rutgers, the State U. NJ-New Brunswick	NA	NA	NA	NA
Rutgers, the State U. NJ-Newark	NA	NA	NA	NA
U. of Medicine & Dentistry NJ	2,828	763	2,065	192
William Paterson U. NJ	26	8	18	1
Private				
Fairleigh Dickinson U.	30	4	26	4
Monmouth U.	140	5	135	0
Princeton U.	2,723	312	2,411	694
Rider U.	41	29	12	0
Seton Hall U.	31	26	5	0
Stevens Institute of Technology	NA	NA	NA	NA
New Mexico				
Public				
NM Highlands U.	97	18	79	0
NM Institute of Mining and Technology	893	142	751	18
NM State U.	NA	NA	NA	NA
U. NM	3,547	705	2,842	208
New York				
Public				
CUNY Baruch C.	NA	NA	NA	NA
CUNY Brooklyn C.	NA	NA	NA	NA
CUNY C. Staten Island	523	423	100	10
CUNY Graduate Ctr.	1,030	30	1,000	12
CUNY Herbert H. Lehman C.	NA	NA	NA	NA
CUNY Hunter C.	460	148	312	40
CUNY John Jay C. of Criminal Justice	NA	NA	NA	NA
CUNY Medgar Evers C.	86	18	68	0
CUNY New York City C. of Technology	NA	NA	NA	NA
CUNY Queens C.	54	1	53	6
CUNY The City C.	1,208	250	958	98
Farmingdale State C.	14	0	14	0
SUNY Albany	2,143	297	1,846	NA
SUNY Binghamton	900	105	795	20
SUNY Buffalo	NA	NA	NA	NA
SUNY C. Brockport	85	35	50	0
SUNY C. Buffalo	103	14	89	0
SUNY C. Cortland	152	20	132	0
SUNY C. Geneseo	97	18	79	0
SUNY C. of A&T Cobleskill	18	3	15	0
SUNY C. of A&T Morrisville	3	1	2	0
SUNY C. of Environmental Science and Forestry	662	101	561	14
SUNY C. of Optometry	45	11	34	10
SUNY C. Old Westbury	NA	NA	NA	NA
SUNY C. Oneonta	57	7	50	0
SUNY C. Oswego	32	10	22	0
SUNY C. Plattsburgh	42	7	35	1
SUNY C. Potsdam	5	5	0	0
SUNY Fredonia	47	7	40	0
SUNY Health Science Ctr. Brooklyn	382	53	329	22
SUNY Institute of Technology at Utica-Rome	22	1	21	0
SUNY New Paltz	12	7	5	0

TABLE 36. Headcount of R&amp;D personnel at higher education institutions, by state, institutional control, and institution: FY 2010

State, institutional control, and institution	All personnel			Postdocs <sup>a</sup>
	Total	Principal investigators	Other personnel	
SUNY Stony Brook	2,905	479	2,426	206
SUNY Upstate Medical U.	502	99	403	135
U.S. Military Academy	NA	NA	NA	NA
Private				
Adelphi U.	11	5	6	0
Albany C. of Pharmacy	40	11	29	3
Albany Medical C.	NA	NA	NA	NA
Alfred U.	61	16	45	5
Barnard C.	72	30	42	1
Canisius C.	20	6	14	0
Clarkson U.	450	95	355	135
Colgate U.	182	25	157	2
Columbia U. in the City of New York	10,000	1,267	8,733	860
Cooper Union, The	27	12	15	0
Cornell U.	9,034	1,338	7,696	1,003
Daemen C.	3	1	2	0
Dowling C.	5	3	2	0
Fordham U.	449	196	253	4
Hamilton C.	84	19	65	21
Hobart and William Smith Colleges	26	13	13	0
Hofstra U.	79	18	61	2
Ithaca C.	60	20	40	NA
Long Island U.	NA	NA	NA	NA
Manhattan C.	33	16	17	16
Marist C.	NA	NA	NA	NA
Mercy C.	26	13	13	0
Mt. Sinai School of Medicine	3,334	723	2,611	506
New School, The	282	18	264	NA
NY Institute of Technology	20	8	12	0
NY Medical C.	525	125	400	60
NY U.	2,123	523	1,600	387
Niagara U.	64	27	37	0
Pace U.	116	19	97	0
Polytechnic U.	854	62	792	0
Rensselaer Polytechnic Institute	1,528	263	1,265	136
Rochester Institute of Technology	736	141	595	23
Rockefeller U.	799	110	689	349
Sarah Lawrence C.	5	3	2	NA
Siena C.	65	5	60	0
Skidmore C.	133	27	106	0
St. Bonaventure U.	43	6	37	0
St. John's U. (Jamaica, NY)	62	8	54	12
Syracuse U.	2,041	177	1,864	58
Teachers C., Columbia U.	NA	38	NA	NA
Union C. (Schenectady, NY)	65	18	47	20
U. Rochester	5,069	904	4,165	283
Vassar C.	57	12	45	NA
Yeshiva U.	2,111	571	1,540	311
North Carolina				
Public				
Appalachian State U.	206	53	153	0
East Carolina U.	2,198	183	2,015	22
Elizabeth City State U.	97	10	87	0

TABLE 36. Headcount of R&amp;D personnel at higher education institutions, by state, institutional control, and institution: FY 2010

State, institutional control, and institution	All personnel			Postdocs <sup>a</sup>
	Total	Principal investigators	Other personnel	
Fayetteville State U.	694	97	597	0
NC Agricultural and Technical State U.	579	161	418	10
NC Central U.	NA	NA	NA	NA
NC State U.	4,468	1,052	3,416	225
U. NC Asheville	92	17	75	0
U. NC Chapel Hill	9,487	1,765	7,722	789
U. NC Charlotte	899	262	637	23
U. NC Greensboro	523	90	433	15
U. NC Pembroke	35	3	32	2
U. NC Wilmington	650	141	509	10
Western Carolina U.	107	21	86	NA
Private				
Davidson C.	67	27	40	0
Duke U.	8,109	1,292	6,817	824
Shaw U.	NA	NA	NA	NA
Wake Forest U.	2,339	602	1,737	206
North Dakota				
Public				
Mayville State U.	9	2	7	0
Minot State U.	53	7	46	0
ND State U.	1,876	359	1,517	47
U. ND	NA	NA	NA	NA
Ohio				
Public				
Air Force Institute of Technology	215	95	120	6
Bowling Green State U.	230	51	179	39
Central State U.	123	21	102	0
Cleveland State U.	NA	NA	NA	NA
Kent State U.	655	138	517	38
Miami U.	748	126	622	NA
Northeastern OH Universities C. of Medicine	160	79	81	10
OH State U.	9,099	2,376	6,723	726
OH U.	625	425	200	42
U. Akron	810	191	619	33
U. Cincinnati	3,502	696	2,806	232
U. Toledo	1,128	319	809	43
Wright State U.	926	207	719	21
Youngstown State U.	131	17	114	0
Private				
Case Western Reserve U.	2,337	528	1,809	136
C. Wooster	178	11	167	0
Denison U.	NA	NA	NA	NA
John Carroll U.	25	6	19	4
Kenyon C.	24	3	21	1
Oberlin C.	85	30	55	0
OH Northern U.	24	13	11	0
OH Wesleyan U.	36	4	32	0
U. Dayton	869	169	700	6
Wilberforce U.	21	4	17	0

TABLE 36. Headcount of R&amp;D personnel at higher education institutions, by state, institutional control, and institution: FY 2010

State, institutional control, and institution	All personnel			Postdocs <sup>a</sup>
	Total	Principal investigators	Other personnel	
<b>Oklahoma</b>				
Public				
Langston U.	50	10	40	10
Northeastern State U.	37	15	22	4
OK State U. main campus	NA	NA	NA	NA
OK State U. Ctr. for Health Sciences	NA	NA	NA	NA
OK State U. Tulsa	NA	NA	NA	NA
Southeastern OK State U.	17	3	14	3
Southwestern OK State U.	25	4	21	0
U. Central OK	NA	NA	NA	NA
U. OK	3,255	1,005	2,250	232
Private				
U. Tulsa	216	65	151	4
<b>Oregon</b>				
Public				
Eastern OR U.	16	5	11	8
OR Health & Science U.	3,764	769	2,995	490
OR State U.	4,528	963	3,565	149
Portland State U.	1,217	140	1,077	0
Southern OR U.	47	8	39	0
U. OR	4,328	824	3,504	94
Western OR U.	63	17	46	0
Private				
Lewis & Clark C.	139	72	67	2
Pacific U.	NA	NA	NA	0
Reed C.	48	19	29	2
U. Portland	110	16	94	NA
Western States Chiropractic C.	12	1	11	0
Willamette U.	159	39	120	0
<b>Pennsylvania</b>				
Public				
Cheyney U. PA	36	4	32	0
Indiana U. PA	NA	NA	NA	NA
Lincoln U. of the Commonwealth of PA	29	10	19	0
Millersville U. PA	40	15	25	0
PA State U. Altoona	33	32	1	0
PA State U. Beaver	8	6	2	0
PA State U. Berks	15	8	7	0
PA State U. Erie, The Behrend C.	78	23	55	0
PA State U. Great Valley School of Graduate Professional Studies	16	11	5	0
PA State U. Harrisburg	114	34	80	0
PA State U. University Park and Hershey Medical Ctr.	7,051	2,616	4,435	382
PA State U. Worthington-Scranton	1	1	0	0
Temple U.	2,131	320	1,811	140
U. Pittsburgh main campus	8,081	1,951	6,130	621
West Chester U. PA	NA	NA	NA	NA
Private				
Allegheny C.	75	15	60	0
Arcadia U.	NA	NA	NA	NA
Bryn Mawr C.	35	27	8	1
Bucknell U.	739	51	688	1
Carnegie Mellon U.	3,539	427	3,112	176

TABLE 36. Headcount of R&amp;D personnel at higher education institutions, by state, institutional control, and institution: FY 2010

State, institutional control, and institution	All personnel			Postdocs <sup>a</sup>
	Total	Principal investigators	Other personnel	
Dickinson C.	164	28	136	1
Drexel U.	845	49	796	24
Duquesne U.	315	32	283	8
Elizabethtown C.	22	6	16	0
Franklin & Marshall C.	112	13	99	2
Gettysburg C.	82	3	79	0
Haverford C.	NA	NA	NA	NA
Juniata C.	45	19	26	0
La Salle U.	38	29	9	0
Lafayette C.	212	142	70	0
Lehigh U.	1,002	105	897	25
Mercyhurst C.	48	15	33	0
Muhlenberg C.	8	8	0	0
Philadelphia C. of Osteopathic Medicine	15	6	9	2
Philadelphia U.	NA	NA	NA	NA
Salus U.	15	5	10	0
St. Francis U.	0	0	0	0
St. Joseph's U.	146	15	131	1
Swarthmore C.	210	26	184	2
Thomas Jefferson U.	1,994	762	1,232	155
U. PA	13,805	1,673	12,132	304
U. Scranton	36	22	14	0
U. of the Sciences Philadelphia	94	23	71	17
Ursinus C.	33	9	24	0
Villanova U.	NA	NA	NA	NA
Washington and Jefferson C.	19	3	16	NA
Wilkes U.	17	6	11	0
Rhode Island				
Public				
U. RI	2,706	279	2,427	54
Private				
Brown U.	NA	NA	NA	NA
Providence C.	29	8	21	0
Roger Williams U.	163	18	145	0
South Carolina				
Public				
Clemson U.	1,805	345	1,460	28
Coastal Carolina U.	NA	NA	NA	NA
C. Charleston	NA	NA	NA	1
Medical U. SC	1,301	457	844	66
SC State U.	127	57	70	5
U. SC Aiken	NA	NA	NA	NA
U. SC Beaufort	NA	NA	NA	NA
U. SC Columbia	553	553	0	350
U. SC Upstate	NA	NA	NA	NA
Private				
Benedict C.	28	4	24	0
Clafflin U.	84	11	73	0
Furman U.	77	15	62	5

TABLE 36. Headcount of R&amp;D personnel at higher education institutions, by state, institutional control, and institution: FY 2010

State, institutional control, and institution	All personnel			Postdocs <sup>a</sup>
	Total	Principal investigators	Other personnel	
South Dakota				
Public				
Black Hills State U.	90	55	35	0
SD School of Mines and Technology	101	54	47	NA
SD State U.	645	147	498	30
U. SD	518	97	421	2
Private				
Augustana C. (Sioux Falls, SD)	NA	NA	NA	NA
Sinte Gleska U.	9	3	6	2
Tennessee				
Public				
East TN State U.	NA	101	NA	NA
Middle TN State U.	146	21	125	1
TN State U.	385	53	332	2
TN Technological U.	510	70	440	5
U. Memphis, The	595	228	367	16
U. TN Chattanooga	207	5	202	1
U. TN Knoxville	3,576	265	3,311	236
U. TN Martin	40	0	40	0
Private				
Fisk U.	41	9	32	7
Le Moyne-Owen C.	92	1	91	0
Meharry Medical C.	187	94	93	23
Rhodes C.	32	12	20	0
Vanderbilt U.	NA	NA	NA	NA
Texas				
Public				
Angelo State U.	NA	10	NA	0
Lamar U.	66	50	16	15
Midwestern State U.	22	6	16	0
Prairie View A&M U.	345	51	294	0
Sam Houston State U.	89	37	52	4
Stephen F. Austin State U.	NA	NA	NA	0
Sul Ross State U.	105	10	95	0
Tarleton State U.	NA	NA	NA	NA
TX A&M International U.	173	16	157	0
TX A&M U.	12,007	2,734	9,273	492
TX A&M U.-Commerce	NA	37	NA	5
TX A&M U.-Corpus Christi	248	29	219	NA
TX A&M U.-Kingsville	633	73	560	126
TX A&M U. System Health Science Ctr.	NA	NA	NA	NA
TX Southern U.	68	21	47	4
TX State U.-San Marcos	2,374	136	2,238	7
TX Tech U.	3,279	NA	NA	78
TX Tech U. Health Sciences Ctr.	815	100	715	72
TX Woman's U.	138	27	111	0
U. Houston	1,442	372	1,070	209
U. Houston-Clear Lake	48	5	43	3
U. Houston-Downtown	38	7	31	NA
U. North TX	1,287	124	1,163	43
U. North TX Health Science Ctr.	635	162	473	48
U. TX Arlington	2,405	1,602	803	108

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	Total	Principal investigators	Other personnel	
U. TX Austin	1,667	314	1,353	234
U. TX Brownsville	188	17	171	41
U. TX Dallas	NA	158	NA	NA
U. TX El Paso	1,545	1,262	283	28
U. TX Health Science Ctr. Houston	2,587	631	1,956	194
U. TX Health Science Ctr. San Antonio	2,405	386	2,019	232
U. TX M. D. Anderson Cancer Ctr.	5,538	511	5,027	544
U. TX Medical Branch	1,694	353	1,341	227
U. TX of the Permian Basin	27	7	20	0
U. TX Pan American	571	45	526	5
U. TX San Antonio	1,245	114	1,131	67
U. TX Southwestern Medical Ctr. Dallas	5,150	875	4,275	682
U. TX Tyler	128	41	87	3
West TX A&M U.	156	17	139	2
Private				
Abilene Christian U.	41	23	18	1
Baylor C. of Medicine	4,150	565	3,585	447
Baylor U.	249	50	199	15
Jarvis Christian C.	8	4	4	0
LeTourneau U.	51	8	43	0
Rice U.	2,066	223	1,843	211
Southern Methodist U.	NA	NA	NA	NA
St. Mary's U. (San Antonio, TX)	161	2	159	7
TX Christian U.	214	23	191	3
Trinity U.	33	18	15	6
Wiley C.	15	4	11	1
Utah				
Public				
U. UT	6,224	710	5,514	559
UT State U.	3,128	360	2,768	NA
Weber State U.	188	91	97	0
Private				
Brigham Young U.	2,108	289	1,819	44
Vermont				
Public				
U. VT	2,043	363	1,680	129
Private				
Middlebury C.	187	62	125	0
St. Michael's C.	59	22	37	0
Virginia				
Public				
Christopher Newport U.	47	12	35	0
C. of William and Mary and VA Institute of Marine Science	353	66	287	18
George Mason U.	553	278	275	0
James Madison U.	NA	NA	NA	NA
Norfolk State U.	176	41	135	21
Old Dominion U.	1,581	722	859	32
Radford U.	NA	NA	NA	NA
U. VA main campus	4,062	704	3,358	311
U. VA's C. Wise, The	17	2	15	0
VA Commonwealth U.	3,387	533	2,854	558



TABLE 36. Headcount of R&amp;D personnel at higher education institutions, by state, institutional control, and institution: FY 2010

State, institutional control, and institution	All personnel			Postdocs <sup>a</sup>
	Total	Principal investigators	Other personnel	
VA Military Institute	50	23	27	0
VA Polytechnic Institute and State U.	7,145	1,154	5,991	163
VA State U.	186	31	155	NA
Private				
Eastern VA Medical School	410	88	322	18
Hampton U.	NA	NA	NA	NA
Roanoke C.	NA	NA	NA	NA
U. Richmond	344	39	305	6
Washington and Lee U.	22	10	12	0
Washington				
Public				
Central WA U.	207	46	161	0
Eastern WA U.	NA	NA	NA	0
Evergreen State C.	44	9	35	1
U. WA Bothell	NA	NA	NA	NA
U. WA Seattle	NA	NA	NA	NA
U. WA Tacoma	NA	NA	NA	NA
WA State U.	5,348	814	4,534	137
Western WA U.	270	40	230	1
Private				
Bastyr U.	NA	NA	NA	NA
Gonzaga U.	110	35	75	0
Northwest Indian C.	34	13	21	NA
Pacific Lutheran U.	58	12	46	0
Seattle Pacific U.	61	8	53	0
Seattle U.	NA	NA	NA	NA
U. Puget Sound	22	15	7	0
Whitman C.	42	12	30	0
West Virginia				
Public				
Marshall U.	589	101	488	4
West Liberty State C.	19	7	12	7
WV School of Osteopathic Medicine	0	0	0	0
WV State U.	49	20	29	4
WV U.	3,254	505	2,749	103
Private				
Wheeling Jesuit U.	69	17	52	6
Wisconsin				
Public				
U. WI-Eau Claire	159	32	127	1
U. WI-Green Bay	89	11	78	0
U. WI-La Crosse	198	51	147	0
U. WI-Madison	17,945	1,850	16,095	1,093
U. WI-Milwaukee	1,797	270	1,527	57
U. WI-Oshkosh	119	36	83	2
U. WI-Parkside	63	9	54	0
U. WI-Platteville	62	6	56	2
U. WI-River Falls	62	11	51	0
U. WI-Stevens Point	225	65	160	2
U. WI-Stout	55	12	43	0
U. WI-Superior	NA	NA	86	NA

TABLE 36. Headcount of R&amp;D personnel at higher education institutions, by state, institutional control, and institution: FY 2010

State, institutional control, and institution	All personnel			Postdocs <sup>a</sup>
	Total	Principal investigators	Other personnel	
U. WI-Whitewater	83	6	77	1
Private				
Lawrence U.	30	8	22	0
Marquette U.	524	77	447	14
Medical C. WI	2,117	592	1,525	198
Milwaukee School of Engineering	117	19	98	0
Wyoming				
Public				
U. WY	NA	NA	NA	NA
Guam				
Public				
U. GU	172	61	111	57
Puerto Rico				
Public				
U. PR Cayey	44	9	35	4
U. PR Humacao	NA	NA	NA	NA
U. PR Mayaguez	371	131	240	1
U. PR Medical Sciences Campus	251	96	155	NA
U. PR Rio Piedras	NA	NA	NA	NA
Private				
Carlos Albizu U. (San Juan, PR)	0	0	0	0
Ponce School of Medicine	NA	NA	NA	NA
Universidad Central del Caribe	151	41	110	NA
Universidad del Este	84	4	80	0
Universidad del Turabo	81	70	11	0
Universidad Metropolitana	66	5	61	0
Virgin Islands				
Public				
U. of the VI	NA	NA	NA	0

NA = not available; institution was unable to provide these data.

<sup>a</sup> Postdocs are included in totals reported for all personnel. Postdocs are personnel with doctoral degrees generally awarded within last 5 years and who are working for institution under limited-term appointment for training in research.

<sup>b</sup> Personnel data represent headcount for The Johns Hopkins University, excluding its Applied Physics Laboratory (APL). APL did not report headcount of R&D personnel.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

## **Appendix A. Technical Notes**

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The National Science Foundation (NSF) Higher Education Research and Development (HERD) Survey is the primary source of information on separately budgeted research and development expenditures within higher education institutions in the United States and outlying areas. This information is vital for federal, state, and academic planners who make decisions on future R&D funding priorities. The HERD Survey replaces a previous annual collection, the Survey of Research and Development Expenditures at Universities and Colleges (Academic R&D Expenditures Survey), which was conducted from FY 1972 through FY 2009. The revised survey continues to collect information on R&D expenditures, by field of research and source of funds, but additional questions about types of research, cost categories, and R&D performers have been included in the new survey. Survey questions now request data across all academic disciplines, not just science and engineering (S&E) disciplines. Unless otherwise noted, expenditures analyzed in this report refer to R&D activities across all fields of R&D.

### **Scope of the Survey**

The FY 2010 HERD Survey was sent to 747 institutions of higher education in the United States, Guam, Puerto Rico, and the U.S. Virgin Islands. These institutions granted a bachelor's degree or higher, expended at least \$150,000 in separately budgeted R&D in FY 2010, and were geographically separate campuses headed by a president or chancellor.

The survey population was reviewed before data collection began to ensure that each institutional classification was accurate. Characteristics of the schools were reviewed before and during the course of the survey to determine whether changes had occurred (e.g., highest degree granted; school openings, closings, or mergers).

After data collection closed, institutions were reviewed to verify that only those reporting at least \$150,000 in separately budgeted R&D were included in the population. Of the 747 institutions surveyed, 5 reported total R&D expenditures of less than \$150,000. These 5 institutions were excluded from the population, and their data are not included in the FY 2010 detailed statistical tables (DSTs). The total and federally financed R&D expenditures for these 5 institutions are listed in table A-1.

### **FY 2010 Survey Frame Design**

The HERD Survey is a census of the full population of eligible academic institutions. The population of the Academic R&D Expenditures Survey, the predecessor to the HERD Survey, included all institutions that granted a bachelor's degree or higher in S&E fields and had at least \$150,000 in separately budgeted R&D expenditures during the targeted fiscal year. These had been the population criteria since the FY 2004 collection. As part of the survey redesign, the survey population was revised to include institutions that granted a bachelor's degree or higher in any field of study. It was further required that, within a university system, each campus headed by a campus-level president or chancellor complete a separate survey rather than combining the response with other campuses in the university system (see appendix C for additional information about this change and for a list of universities now reporting as multiple campuses). As a result of this step, the overall number of academic institutions in the population increased from 711 institutions in FY 2009 to 742 institutions in FY 2010 (table A-2).

In past years, prior to beginning the new survey collection, NSF contacted institutions that met the degree-granting criterion but were not in the previous survey population to determine whether they met the \$150,000 expenditure criterion. For the FY 2010 survey, the review of the population of 4-year degree-granting institutions was expanded to collect actual expenditures from each institution and was conducted concurrently to the HERD Survey collection (see appendix D for a description of this population review survey). For this

reason, the population of the FY 2010 HERD Survey comprised only institutions that were part of the FY 2009 Academic R&D Expenditures Survey.

## Survey Instrument

The HERD Survey continues to collect much of the same data requested as part of the Academic R&D Expenditures survey; however, several additional questions have been included in the survey, and some of the definitions applicable to the previous survey have been revised. The following section describes the content of the FY 2010 HERD Survey instrument and highlights the differences between the current survey and the Academic R&D Expenditures Survey.

### General Changes

The survey still asks for current fund expenditures for separately budgeted R&D, but total R&D expenditures now include both S&E fields and non-S&E fields such as humanities, education, law, and the arts. Although there was one item in the previous survey concerning non-S&E expenditures, most items only requested information on S&E expenditures. All HERD Survey questions ask about R&D across all fields. Additionally, clinical trials and research training grants are now explicitly included in the definition of R&D.

Analysts should be cautious when examining trend data from FY 2009 to FY 2010. Although many variables are similar across the two surveys, because of changes to the definition of R&D and the inclusion of non-S&E expenditures, some comparisons may be misleading.

### Changes to Survey Questions

HERD questions 1, 7–9, 12, and 15 (appendix B) are very similar to items found in the Academic R&D Expenditures Survey; however, all questions were reformatted in some way as part of the survey redesign. For example, in past years respondents were asked to report federal and total expenditures for most questions. On the HERD Survey they are now asked to report federal and nonfederal expenditures, leaving the total to be generated automatically. Questions 2–6, 10, 11, 13, 14, 16, and 17 were not included in the previous survey.

**Question 1** is a request for R&D expenditures by source of funds. This question is similar to item 1 from the previous survey, but there are some important differences. In addition to the inclusion of non-S&E expenditures, a separate category has been created for nonprofit organizations. In previous years, these expenditures were reported under the category of "All other sources." A second change is that the "Industry" category has been renamed "Business." A third change is the addition of "Cost sharing" as a separate category under institutional funds.

**Question 2** is a request for the amount of R&D expenditures funded by foreign sources.

**Question 3** asks respondents to characterize their externally funded R&D expenditures, by type of agreement (i.e., contract vs. grant).

**Question 4** requests the amount of R&D expenditures for projects in the institution's medical school, if applicable. For the purposes of this survey, a medical school was defined as a school granting an MD or a DO degree.

**Question 5** asks for federally and nonfederally financed R&D expenditures for Phase I, Phase II, and Phase III clinical trials, combined.

**Question 5.1** is a request for information on the inclusion of clinical trials in the institution's FY 2009 Academic R&D Expenditures Survey.

**Question 6** asks the respondent to characterize federally and nonfederally financed R&D expenditures by character of work: basic research, applied research, or development. In the previous survey, institutions were asked only to report the percentage of S&E R&D

expenditures that would be considered basic research. The current survey asks for amounts rather than percentages and was expanded to collect expenditures on applied research and development separately and also to include all fields of R&D.

**Question 7** is a request for federally and nonfederally financed expenditures for R&D from funds received by the institution as a subrecipient. This is similar to a question from the previous survey, except that non-S&E R&D expenditures now are included.

**Question 8** is a request for federally and nonfederally financed funds for R&D passed through the institution to subrecipients. This is similar to a question from the previous survey, except that non-S&E R&D expenditures now are included.

**Question 9** is a request for federally financed expenditures for R&D, by field and federal agency. This is similar to item 2b from the Academic R&D Expenditures Survey, but non-S&E expenditures now are included. Although institutions did report federally financed R&D expenditures in non-S&E fields in the past, they were not asked to report expenditures by agency. When interpreting these data at the detailed discipline level, users should keep in mind that interdisciplinary and multidisciplinary activities are often coded based on the departments of the principal investigators.

**Question 10** asks for the agency name and corresponding expenditure amount for the top 10 federal agencies and subagencies included under "Other" federal agencies on question 9. Respondents were not asked to provide details when reporting R&D funded by "Other" agencies in the past.

**Question 11** requests the amount of federally financed R&D expenditures funded by the American Recovery and Reinvestment Act of 2009 (ARRA).

**Question 12** is a request for nonfederally financed expenditures for separately budgeted R&D activities, by detailed R&D field and source. In past years, institutions have reported nonfederal R&D expenditures, by field, but this is the first year in which they have been asked to report those expenditures, by detailed source (e.g., nonprofit organizations, institutional funds). As with question 9, when interpreting these data at the detailed discipline level, users should keep in mind that fields often are coded based on the departments of the principal investigators.

**Question 13** is a request for total expenditures for R&D, by type of cost. The types of costs listed include salaries, software, equipment, pass-throughs, other direct costs, and indirect costs.

**Question 14** is a request for the institution's capitalization thresholds for software and equipment.

**Question 15** requests the amount of federally and nonfederally financed expenditures that were used for the purchase of R&D equipment. This is similar to item 3 from the Academic R&D Expenditures Survey, but non-S&E expenditures now are included.

**Question 16** asks for a headcount of principal investigators and other personnel that were paid from R&D salaries reported in question 13.

**Question 17** is a request for the number of personnel reported in question 16 that were categorized as postdocs. For the purposes of this survey, NSF defines a postdoc as someone who (1) holds a recent doctoral degree, generally awarded within the last 5 years; and (2) has a limited-term appointment, generally no more than 5–7 years.

**Question 18** is a request for the respondent's contact information, the institution's fiscal year, and the time it took for the institution to complete the survey.

## **Data Collection**

The FY 2010 survey questionnaires were sent by e-mail in December 2010. Respondents could choose to submit an Adobe Portable Document Format questionnaire downloaded from the Web or use a Web-based data collection system to respond to the survey. Every effort was made to maintain close contact with respondents in order to preserve both the consistency and continuity of the resulting data. On receipt, questionnaires were carefully examined for completeness. Computerized facsimiles of the survey data were then prepared for each institution; these compared the current and 2 prior years of data and noted any substantive disparities. Due to the number of new questions included in the FY 2010 survey, there were no prior-year data for many survey items. Respondents were sent personalized e-mail messages asking them to provide any necessary revisions before the final processing and tabulation of data. These e-mail messages included a link to the Higher Education R&D Survey Web-based data collection system, allowing respondents to view and correct their data online.

Respondents were asked to explain significant differences between current-year reporting and established patterns of reporting verified for prior years. They were encouraged to correct prior-year data, if needed. When respondents updated or amended figures from past years, NSF made corresponding changes to trend data in this report and to the underlying microdata database. Similarly, if a respondent institution underwent an organizational change, such as a merger, NSF incorporated the effects of the change into prior years' data.

## **Response Rate**

By the survey's closing date in May 2011, forms had been received from 727 universities and colleges out of the population of 742, a response rate of 98.0%. Responses were received from 99.3% of all doctorate-granting institutions. The R&D expenditures reported by these doctoral institutions constituted 98.3% of the estimated national R&D expenditures for FY 2010. Table A-3 displays a detailed breakdown of response rates, by highest degree granted, and table A-4 displays a breakdown of response rates, by survey item for the academic population.

## **National Total and Imputation**

Missing values from questions that were part of the previous version of the survey—R&D expenditures, by source of funds and R&D field; R&D expenditures passed through to subrecipients; R&D expenditures received as a subrecipient; and R&D equipment expenditures—were estimated based on the previous year's data and the reported data of peer institutions. For the 14 institutions that had not responded by the closing date of the survey and had been included in the FY 2009 population, data for R&D were imputed by applying inflator/deflator factors to the prior years' figures. Imputation factors were derived from the data of responding institutions with similar characteristics, including highest degree granted and type of institutional control (public or private). Data were not imputed for one institution that did not respond. This institution had not responded during previous collections, and, because no previous year's data existed, R&D expenditures could not be imputed. This institution was included in population counts but does not appear in DSTs. Since non-S&E categories were added to several questions this year and the missing non-S&E values from the Academic R&D Expenditure Survey were never imputed, there were typically no past-year data to refer to when distributing imputed values (federal R&D, nonfederal R&D) across non-S&E fields of study. In these cases, the data of peer institutions with similar characteristics were used to estimate the allocation of expenditures across fields. Data for partial nonresponse were imputed using similar techniques.

Questions that were new to the FY 2010 HERD Survey were imputed using a set of core predictors that were highly correlated with most of the survey questions. These included type of institutional control, highest degree granted in S&E, and expenditure size. Several models also included the existence of a medical school in the set of core predictors. In most cases, an

imputation class was identified based on predictors (e.g., public, doctoral-granting institutions with total R&D expenditures in the upper 25%), and missing values in that class were imputed as the average reported values in that class.

R&D expenditures from ARRA, capitalization thresholds for software and equipment, and headcounts of personnel and postdocs were not imputed.

The imputed R&D total was \$64 million, or 0.1%, of the \$61 billion in all separately budgeted R&D expenditures (table A-5). Tables A-6 through A-16 present imputed amounts for each applicable survey variable. The dollar amount imputed is displayed along with the percentage it represents of the national estimate for universities and colleges in a particular field.

A number of surveyed institutions have responded intermittently in past years. For years in which no response was received, data have been imputed as previously described. Although the imputation algorithm accurately reflects national trends, it cannot account for specific trends at individual institutions. For this reason, a separate estimation of institutional data for prior years is also performed, following current-year imputation.

For each institution, formerly imputed key variables for items 1–3 of the Academic R&D Survey were recomputed to ensure that the imputed data accurately represent the growth patterns shown by reported data of the FY 2010 HERD Survey. If, for example, data were reported for FY 2006 and FY 2010 but not for the intervening years, the difference between the reported figures for each item total was calculated and evenly distributed across the intervening years (2007–09). The new figures were spread across disciplines or sources of support on the basis of the most recent reporting pattern. These procedures result in much more consistent reporting trends for individual institutions but have little effect on aggregate figures reflecting national totals.

### **Question 5 (Clinical Trials) Analysis**

Question 5, total R&D expenditures for clinical trials, was completed by 96.7% of the respondents from academic institutions. A total of 104 respondent institutions included clinical trial expenditures in their FY 2009 report, and 48 respondent institutions excluded those expenditures in FY 2009. The total R&D expenditures for clinical trials, \$1.4 billion, represent 2.5% of question 5 respondents' total R&D expenditures (\$53.5 billion) in FY 2010 (table A-17).

### **Question 10 (Federal Agency) Analysis**

The portion of R&D expenditures financed by federal agencies not explicitly listed in question 9, \$3.2 billion, represents 8.5% of all federally financed R&D expenditures. The majority of these expenditures were financed by the Department of Education (\$602 million), the Department of Commerce (\$460 million), and the Department of Transportation (\$330 million) (table A-18).

### **Question 11 (ARRA) Analysis**

Question 11, federally financed R&D expenditures from ARRA, was completed by 98.3% of respondents (table A-19). The portion of federally financed R&D expenditures received from ARRA funding, \$2.7 billion (see table 10), represents 7.1% of all survey respondents' separately budgeted higher education R&D expenditures (\$37.4 billion) in FY 2010. Doctorate-granting institutions reported a slightly higher portion of funds received from ARRA funding, 7.1% (\$2.6 billion), than did nondoctorate-granting institutions, 6.4% (\$41 million). Public institutions reported a lower portion of funds received from ARRA funding (6.8%, or \$1.6 billion), compared to those from private institutions (7.6%, or \$1.1 billion).

### **Question 14 (Capitalization Thresholds) Analysis**

Question 14, capitalization thresholds for software and equipment, was completed by 92.2%

of respondents (table A-20). Of these respondents, 84 reported that they do not capitalize software at all. The remaining respondents reported a mean software threshold of \$70,000 and a mean equipment threshold of \$7,000. Doctorate-granting institutions reported a higher capitalization threshold for software (\$91,000) but a lower threshold for equipment (\$5,000), compared to nondoctorate-granting institutions (\$40,000 and \$9,000). Public institutions reported higher thresholds for both software and equipment (\$104,000 and \$8,000), compared to private institutions (\$17,000 and \$5,000).

### **Data Anomalies**

One should be cautious when comparing FY 2010 data to data from previous years. In prior years, the Academic R&D Expenditures Survey collected expenditures for S&E and non-S&E fields separately. Institutions were not always able to provide non-S&E expenditures, and those data were not previously imputed. Also, revisions to the definition of R&D may have influenced reported values to varying degrees, depending on the amounts of clinical trials and research training grants at a particular institution.

Within the University of California (UC) system, UC campuses manage nearly all R&D activities; however, some R&D expenditures are attributable to the UC Office of the President (UCOP) rather than to a particular campus. The reporting of UCOP R&D expenditures has changed over time. In FY 2004, R&D expenditures were first reported separately for UCOP. In FY 2004, when UCOP was reported separately from UC, Los Angeles (UCLA), total R&D at UCLA decreased by \$77 million, whereas UCOP showed expenditures of \$90 million. Thus, the trend changes shown in table 32 for UCLA and UCOP for those years can be attributed to changes in the location of reporting UCOP R&D expenditures.

The Scripps Research Institute (TSRI) in La Jolla, California, was added to the FY 2005 survey population after mistakenly being omitted for several years. During the FY 2005 data collection, TSRI reported R&D expenditures for FY 2005 and FY 2004.

Due to the devastation caused by Hurricane Katrina and the subsequent staff turnovers, records damage, and shortage of resources, there was a higher rate of nonresponse in FY 2005 for universities and colleges in New Orleans, Louisiana. Data were imputed for institutions that were unable to commit the resources necessary to complete the FY 2005 survey. Institutions also reported reduced R&D expenditures in FY 2006 as a result of facility loss and faculty turnovers.

Finally, after the close of data collection and processing for FY 2010, a field classification error was discovered in SUNY Albany's report. SUNY Albany's total of \$220 million in engineering R&D expenditures was mistakenly classified as metallurgical/materials engineering. In previous years, the total was reported under "Engineering, not elsewhere classified." The respondent reported that the expenditures are not able to be classified accurately by subfield. Beginning with the FY 2011 report, the engineering total will be imputed across the subfields for 2011 and earlier years in order to improve the accuracy of each subfield's aggregate total. Also, beginning in FY 2011 the SUNY Albany College of Nanoscale Science and Engineering will be reported as a separate entity on the survey.

### **Data Availability**

Data from these and other surveys are available from the National Center for Science and Engineering Statistics (NCSES) at <http://www.nsf.gov/statistics/> and through WebCASPAR (Integrated Science and Engineering Resources Data System) at <http://webcaspar.nsf.gov/>. Data are available at the institution, state, and national levels and as longitudinal data. WebCASPAR also includes data from the NCSES surveys of universities and colleges. These data include information on earned degrees, opening fall enrollment, tuition, faculty salaries, tenure and fringe benefits, and financial statistics.



## Appendix Tables

Table	Table title
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- |     |  |
|-----|--|
| A-1 | total and federally financed R&D expenditures at surveyed institutions removed from population: FY 2007–10 |
| A-2 | institutions surveyed, by highest degree granted: FY 2005–10   |

### Survey response rates: FY 2010

- |     |                           |
|-----|---------------------------|
| A-3 | by highest degree granted |
| A-4 | by survey question        |

### Imputed amounts for higher education R&D expenditures: FY 2010

- |      |   |
|------|---|
|      | total R&D expenditures  |
| A-5  | by highest degree granted   |
| A-6  | by source of funds  |
| A-7  | from foreign sources, by highest degree granted and institutional control |
| A-8  | externally financed, by type of agreement                                 |
| A-9  | in medical schools, by institutional control                              |
| A-10 | in clinical trials, by source of funds                                    |
|      | total and federally financed R&D expenditures                             |
| A-11 | by type of R&D  |
| A-12 | received as a subrecipient, by type of pass-through entity                |
| A-13 | passed through, by type of subrecipient                                   |
| A-14 | by R&D field  |
| A-15 | by type of cost   |
|      | for total and federally financed R&D equipment expenditures               |
| A-16 | by R&D field  |

### Higher education R&D expenditures: FY 2010

- |      |   |
|------|---|
| A-17 | clinical trial R&D expenditures and inclusion in FY 2009 survey       |
| A-18 | federally financed, from federal agencies not specified in question 9 |

### Survey response summary: FY 2010

- |      |  |
|------|--|
| A-19 | Question 11, expenditures funded by the American Recovery and Reinvestment Act |
| A-20 | Question 14, capitalization thresholds   |
| A-21 | Question 16, counts of R&D personnel   |
| A-22 | Question 17, counts of R&D postdocs  |

TABLE A-1. Total and federally financed higher education R&D expenditures at surveyed institutions reporting less than \$150,000 in separately budgeted R&D expenditures: FY 2007-10

(Dollars in thousands)

Institution	Total				Federally financed			
	2007	2008	2009	2010	2007	2008	2009	2010
All institutions	823	4,146	1,209	279	627	3,487	1,003	109
Fairmont State U.	ne	484	299	45	ne	476	291	6
Oakwood C.	ne	3,203	493	0	ne	2,737	493	0
OK State U. Institute of Technology-Okmulgee	ne	ne	ne	79	ne	ne	ne	72
Troy U. main campus	246	83	187	42	181	12	142	5
Western CT State U.	577	376	230	113	446	262	77	26

ne = not eligible; institution did not meet criteria for inclusion.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey.

TABLE A-2. Institutions surveyed for the Higher Education Research and Development Survey, by highest degree granted: FY 2005–10

Highest degree granted	2005	2006	2007	2008	2009	2010
All respondents	639	650	670	690	711	742
Doctorate	359	365	364	359	360	418
Master's	168	170	182	182	191	241
Bachelor's	112	115	124	149	160	83

NOTES: Prior to FY 2010, survey was known as Survey of Research and Development Expenditures at Universities and Colleges and classified institutions based on highest degree granted in science and engineering fields. Beginning in FY 2010, classifications were based on highest degree granted in all fields.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey.

TABLE A-3. Response rates for the Higher Education Research and Development Survey, by highest degree granted: FY 2010

Highest degree granted	Number in survey universe	Complete responses	Partial responses	Total responses	Response rate (%)
All respondents	742	311	416	727	98.0
Doctorate	418	140	275	415	99.3
Master's	241	125	107	232	96.3
Bachelor's	83	46	34	80	96.4

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE A-4. Response rates for the Higher Education Research and Development Survey, by survey question: FY 2010

Survey question	All respondents	Complete question responses	Partial question responses	Total question responses	Question nonresponses	Question response rate (%)
Question 1	727	576	151	727	0	100.0
Question 2	727	706	0	706	21	97.1
Question 3	727	677	0	677	50	93.1
Question 4	727	724	0	724	3	99.6
Question 5	727	702	1	703	24	96.7
Question 5.1	727	711	0	711	16	97.8
Question 6	727	533	44	577	150	79.4
Question 7	727	661	33	694	33	95.5
Question 8	727	672	34	706	21	97.1
Question 9	727	719	8	727	0	100.0
Question 10	727	707	0	707	20	97.2
Question 11	727	715	0	715	12	98.3
Question 12	727	701	26	727	0	100.0
Question 13	727	486	192	678	49	93.3
Question 14	727	659	11	670	57	92.2
Question 15	727	694	14	708	19	97.4
Question 16	727	619	11	630	97	86.7
Question 17	727	604	0	604	123	83.1

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE A-5. Imputed amounts for total higher education R&D expenditures, by highest degree granted: FY 2010

(Dollars in millions)

Highest degree granted	All separately budgeted R&D expenditures	Imputed amount	Imputed amount as % of total
All universities and colleges	61,235	64	0.1
Doctorate-granting institutions	60,220	45	0.1
Nondoctorate-granting institutions	1,015	19	1.9

NOTES: Because of rounding, detail may not add to total. Percentages calculated on unrounded numbers.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE A-6. Imputed amounts for total higher education R&D expenditures, by source of funds: FY 2010  
(Dollars in millions)

Source of funds	All separately budgeted R&D expenditures	Imputed amount	Imputed amount as % of total
All sources	61,235	64	0.1
Federal government	37,488	48	0.1
State and local government	3,854	5	0.1
Business	3,209	3	0.1
Nonprofit organizations	3,764	2	0.1
Institution funds	11,897	6	0.0
All other sources	1,023	0	0.0

NOTES: Because of rounding, detail for all R&D may not add to total. Percentages calculated on unrounded numbers.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE A-7. Imputed amounts for higher education R&D expenditures from foreign sources, by highest degree granted and institutional control: FY 2010

(Dollars in millions)

Type of institution	All separately budgeted R&D expenditures	Imputed amount	Imputed amount as % of total
All institutions	653	42	6.5
Doctorate	651	42	6.5
Nondoctorate	2	0	0
Public	385	6	1.5
Private	268	36	13.6

NOTES: Because of rounding, detail may not add to total. Percentages calculated on unrounded numbers.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.



TABLE A-8. Imputed amounts for externally financed higher education R&D expenditures, by type of agreement: FY 2010  
(Dollars in millions)

Type of agreement	All separately budgeted R&D expenditures	Imputed amount	Imputed amount as % of total
All agreements	49,338	59	0.1
Contracts	10,986	818	7.4
Grants, reimbursements, and all other agreements	38,351	2,823	7.4

NOTES: Imputation rate at total level is lower than imputation rates at detail levels because some institutions could not provide externally financed R&D by type of agreement. Because of rounding, detail may not add to total. Percentages calculated on unrounded numbers.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE A-9. Imputed amounts for higher education R&D expenditures in a medical school, by institutional control: FY 2010

(Dollars in millions)

Institutional control	All separately budgeted R&D expenditures	Imputed amount	Imputed amount as % of total
All institutions	21,054	339	1.6
Public	11,324	331	2.9
Private	9,730	8	0.1

NOTES: Because of rounding, detail may not add to total. Percentages calculated on unrounded numbers.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE A-10. Imputed amounts for higher education R&D expenditures in clinical trials, by source of funds: FY 2010

(Dollars in millions)

Source of funds	All separately budgeted R&D expenditures	Imputed amount	Imputed amount as % of total
All sources	1,560	209	13.4
Federally financed	546	66	12.1
Nonfederally financed	1,014	142	14.1

NOTES: Because of rounding, detail may not add to total. Percentages calculated on unrounded numbers.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE A-11. Imputed amounts for total and federally financed higher education R&D expenditures, by type of R&D: FY 2010  
(Dollars in millions)

Type of R&D	Total			Federally financed		
	All separately budgeted R&D expenditures	Imputed amount	Imputed amount as % of total	All separately budgeted R&D expenditures	Imputed amount	Imputed amount as % of total
All types of R&D	61,235	64	0.1	37,488	48	0.1
Basic research	40,741	13,257	32.5	25,627	9,095	35.5
Applied research	15,239	6,144	40.3	9,211	4,006	43.5
Development	5,255	2,067	39.3	2,649	1,131	42.7

NOTES: Imputation rate at total level is lower than imputation rates at detail levels because some institutions could not provide R&D by type. Because of rounding, detail may not add to total. Percentages calculated on unrounded numbers.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE A-12. Imputed amounts for total and federally financed higher education R&D expenditures received as a subrecipient, by type of pass-through entity:  
FY 2010

(Dollars in millions)

Type of pass-through entity	Total			Federally financed		
	All separately budgeted R&D expenditures	Imputed amount	Imputed amount as % of total	All separately budgeted R&D expenditures	Imputed amount	Imputed amount as % of total
All pass-through entities	5,501	1,098	20.0	4,956	461	9.3
From educational pass-through entities	2,572	493	19.2	2,344	216	9.2
From other pass-through entities	2,929	655	22.4	2,612	282	10.8

NOTES: Imputation rate at total level is lower than imputation rates at detail levels because some institutions could provide totals but not subrecipient detail data. Because of rounding, detail may not add to total. Percentages calculated on unrounded numbers.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE A-13. Imputed amounts for total and federally financed higher education R&D expenditures passed through, by type of subrecipient: FY 2010  
(Dollars in millions)

Type of subrecipient	Total			Federally financed		
	All separately budgeted R&D expenditures	Imputed amount	Imputed amount as % of total	All separately budgeted R&D expenditures	Imputed amount	Imputed amount as % of total
All subrecipients	4,964	83	1.7	4,211	73	1.7
To educational subrecipients	2,775	589	21.2	2,434	477	19.6
To other subrecipients	2,189	471	21.5	1,777	357	20.1

NOTES: Imputation rate at total level is lower than imputation rates at detail levels because some institutions could provide totals but not subrecipient detail data. Because of rounding, detail may not add to total. Percentages calculated on unrounded numbers.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE A-14. Imputed amounts for total and federally financed higher education R&D expenditures, by R&D field: FY 2010  
(Dollars in millions)

R&D field	Total			Federally financed		
	All separately budgeted R&D expenditures	Imputed amount	Imputed amount as % of total	All separately budgeted R&D expenditures	Imputed amount	Imputed amount as % of total
All R&D fields	61,235	64	0.1	37,488	48	0.1
All science and engineering	58,338	114	0.2	36,503	68	0.2
Computer sciences	1,658	5	0.3	1,175	4	0.4
Environmental sciences	2,990	3	0.1	2,014	2	0.1
Atmospheric sciences	428	10	2.3	338	9	2.8
Earth sciences	1,085	5	0.5	736	4	0.5
Oceanography	1,022	15	1.5	667	15	2.2
Environmental sciences, nec	455	24	5.2	273	21	7.8
Life sciences	34,903	59	0.2	21,686	34	0.2
Agricultural sciences	2,984	0	0.0	956	0	0.0
Biological sciences	10,947	19	0.2	7,564	11	0.1
Medical sciences	19,164	24	0.1	12,066	11	0.1
Life sciences, nec	1,807	16	0.9	1,100	12	1.1
Mathematical sciences	599	7	1.2	419	3	0.6
Physical sciences	4,625	10	0.2	3,380	5	0.2
Astronomy	573	1	0.1	405	0	0.1
Chemistry	1,751	6	0.3	1,201	3	0.3
Physics	2,003	3	0.1	1,556	1	0.1
Physical sciences, nec	298	0	0.1	218	0	0.1
Psychology	1,077	3	0.3	760	2	0.2
Social sciences	1,993	12	0.6	897	8	0.8
Economics	353	4	1.0	127	1	0.7
Political sciences	373	7	1.9	155	7	4.4
Sociology	416	1	0.3	223	0	0.2
Social sciences, nec	852	9	1.1	392	5	1.3
Sciences, nec	1,150	0	0.0	439	0	0.0
Engineering	9,344	15	0.2	5,732	11	0.2
Aeronautical/astronautical engineering	625	100	16.0	466	87	18.6
Bioengineering/biomedical engineering	741	24	3.3	483	20	4.2
Chemical engineering	797	17	2.2	419	16	3.9
Civil engineering	1,064	13	1.2	459	11	2.4
Electrical engineering	2,012	228	11.4	1,373	221	16.1
Mechanical engineering	1,434	159	11.1	954	157	16.5
Metallurgical/materials engineering	908	1	0.1	437	1	0.2
Engineering, nec	1,762	254	14.4	1,141	248	21.7
All non-science and engineering	2,897	9	0.3	984	3	0.3
Business and management	360	1	0.3	84	0	0.1
Communications, journalism, and library science	157	0	0.2	60	0	0.0
Education	987	5	0.5	537	2	0.3
Humanities	259	2	0.6	58	1	1.0
Law	96	0	0.0	19	0	0.0

TABLE A-14. Imputed amounts for total and federally financed higher education R&D expenditures, by R&D field: FY 2010  
(Dollars in millions)

R&D field	Total			Federally financed		
	All separately budgeted R&D expenditures	Imputed amount	Imputed amount as % of total	All separately budgeted R&D expenditures	Imputed amount	Imputed amount as % of total
Social work	175	0	0.0	94	0	0.0
Visual and performing arts	64	0	0.2	5	0	0.0
Non-science and engineering, nec	798	2	0.2	127	0	0.3

nec = not elsewhere classified.

NOTES: Imputation rate at total level is lower than imputation rates at R&D field levels because some institutions could provide totals but not R&D field details. Because of rounding, detail may not add to total. Percentages calculated on unrounded numbers.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.



TABLE A-15. Imputed amounts for higher education R&D expenditures, by type of cost: FY 2010  
(Dollars in millions)

Type of cost	All separately budgeted R&D expenditures	Imputed amount	Imputed amount as % of total
All costs	61,235	64	0.1
Direct costs	46,138	3,309	7.2
Salaries, wages, and fringe benefits	25,866	1,908	7.4
Software purchases	148	20	13.3
Noncapitalized software	87	7	7.8
Capitalized software	61	13	21.1
Capitalized equipment	2,148	7	0.3
Passed through to subrecipients	4,964	83	1.7
Other direct costs	13,012	849	6.5
Indirect costs	15,097	1,049	6.9

NOTES: Imputation rate at total level is lower than imputation rates at detail levels because some institutions could provide totals but not cost detail data. Because of rounding, detail may not add to total. Percentages calculated on unrounded numbers.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE A-16. Imputed amounts for total and federally financed higher education R&D equipment expenditures, by R&D field: FY 2010  
(Dollars in millions)

R&D field	Total			Federally financed		
	All separately budgeted R&D expenditures	Imputed amount	Imputed amount as % of total	All separately budgeted R&D expenditures	Imputed amount	Imputed amount as % of total
All R&D fields	2,148	7	0.3	1,351	5	0.4
All science and engineering	2,114	86	4.1	1,341	33	2.5
Computer sciences	65	8	12.4	46	3	6.0
Environmental sciences	151	2	1.5	116	1	1.2
Atmospheric sciences	24	1	3.4	20	0	1.3
Earth sciences	52	0	0.2	36	0	0.3
Oceanography	58	1	1.0	47	0	0.8
Environmental sciences, nec	17	1	4.7	14	1	4.7
Life sciences	905	16	1.7	569	13	2.3
Agricultural sciences	79	0	0.0	25	0	0.0
Biological sciences	394	5	1.3	279	4	1.6
Medical sciences	389	9	2.2	241	7	2.8
Life sciences, nec	43	2	4.7	24	2	7.7
Mathematical sciences	8	3	41.7	5	1	25.6
Physical sciences	363	6	1.7	275	5	1.8
Astronomy	24	1	4.7	19	1	5.8
Chemistry	162	1	0.9	113	1	1.1
Physics	154	3	2.2	125	3	2.1
Physical sciences, nec	24	0	1.2	18	0	1.0
Psychology	17	0	1.0	12	0	1.2
Social sciences	15	0	3.4	7	0	4.7
Economics	1	0	16.5	1	0	22.1
Political sciences	1	0	10.3	1	0	15.5
Sociology	2	0	1.9	1	0	0.3
Social sciences, nec	10	0	1.1	4	0	1.8
Sciences, nec	78	21	27.5	15	0	0.8
Engineering	512	29	5.6	297	9	3.1
Aeronautical/astronautical engineering	34	11	33.1	19	1	4.4
Bioengineering/biomedical engineering	39	1	1.6	25	1	2.5
Chemical engineering	51	0	0.4	26	0	0.7
Civil engineering	35	0	1.4	16	0	2.5
Electrical engineering	112	6	5.7	77	2	3.1
Mechanical engineering	98	2	2.0	56	2	3.1
Metallurgical/materials engineering	65	0	0.0	31	0	0.0
Engineering, nec	78	7	9.6	48	3	6.5
All non-science and engineering	34	1	1.7	10	0	2.7
Business and management	8	0	0.6	1	0	1.1
Communications, journalism, and library science	8	0	0.1	1	0	0.1
Education	6	0	4.2	4	0	3.7
Humanities	2	0	7.6	0	0	6.8
Law	0	0	0.4	0	0	0.0
Social work	0	0	0.3	0	0	0.0
Visual and performing arts	1	0	1.2	0	0	0.0
Non-science and engineering, nec	9	0	1.4	3	0	2.4

nec = not elsewhere classified.

NOTES: Imputation rate at total level is lower than imputation rates at R&D field levels because some institutions could provide totals but not R&D field details. Because of rounding, detail may not add to total. Percentages calculated on unrounded numbers.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE A-17. Higher education R&D expenditures in clinical trials and the inclusion status of those expenditures in FY 2009, by highest degree granted and institutional control: FY 2010

(Dollars in thousands)

Type of institution	All R&D expenditures	Clinical trial R&D expenditures				
		Total	Included in FY 2009 report		Excluded from FY 2009 report	
			Number of respondents	FY 2010 expenditures	Number of respondents	FY 2010 expenditures
All academic institutions	53,531,680	1,351,639	104	1,156,448	48	194,696
Doctorate	52,544,613	1,344,838	93	1,150,767	40	193,610
Nondoctorate	987,067	6,801	11	5,681	8	1,086
Public	35,077,070	457,552	63	348,624	24	108,708
Private	18,454,610	894,087	41	807,824	24	85,988

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE A-18. Federally financed higher education R&D expenditures from federal agencies not specified in question 9: FY 2010

(Dollars in thousands)

Federal agency	R&D expenditures
All other federal agencies	3,191,591
Agency for International Development	151,233
Appalachian Regional Commission	481
Consumer Product Safety Commission	140
Corporation for National and Community Service	5,832
Denali Commission	534
Department of Agriculture <sup>a</sup>	542
Department of Commerce	460,321
Department of Defense <sup>a</sup>	12,773
Department of Education	601,661
Department of Energy <sup>a</sup>	2
Department of Health and Human Services <sup>a</sup>	3,061
Department of Homeland Security	121,350
Department of Housing and Urban Development	16,213
Department of the Interior	198,837
Department of Justice	71,925
Department of Labor	46,562
Department of Public Affairs	50
Department of State	20,288
Department of the Treasury	948
Department of Transportation	329,894
Department of Veterans Affairs	75,762
Election Assistance Commission	564
Environmental Protection Agency	122,753
General Services Administration	14,500
Institute of Museum and Library Services	7,404
Japan–United States Friendship Commission	15
National Archives and Records Administration	1,620
National Endowment for the Arts	486
National Endowment for the Humanities	12,330
National Foundation for the Arts and Humanities	549
National Intelligence Community	49
National Science Foundation <sup>a</sup>	355
Nuclear Regulatory Commission	8,232
Office of Personnel Management	231
Small Business Administration	13,535
Social Security Administration	6,722
U.S. Postal Service	565
U.S. Securities and Exchange Commission	174
U.S. Trade and Development Agency	14
Other agencies not listed	883,084

<sup>a</sup> This table includes small amounts of expenditures that originated from major agencies/departments explicitly included in question 9. These expenditures were submitted under subagency or program name and were not matched with head agency until after close of data collection.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE A-19. Response summary for question 11, higher education R&D expenditures from the American Recovery and Reinvestment Act of 2009, and higher education R&D expenditures for question 11 respondents, by highest degree granted and institutional control: FY 2010

(Dollars in thousands)

Type of institution	Response			Federally financed R&D expenditures		
	All respondents ( <i>n</i> )	Question 11 respondents ( <i>n</i> )	Percent	All respondents	Question 11 respondents	Percent
All academic institutions	727	715	98.3	37,439,531	37,217,063	99.4
Doctorate	415	408	98.3	36,809,550	36,592,762	99.4
Nondoctorate	312	307	98.4	629,981	624,301	99.1
Public	443	433	97.7	23,333,263	23,123,112	99.1
Private	284	282	99.3	14,106,268	14,093,951	99.9

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE A-20. Response summary for question 14, capitalization thresholds, and mean threshold amounts, by highest degree granted and institutional control: FY 2010

(Dollars in thousands)

Type of institution	Response			Mean capitalization threshold		Software not capitalized ( <i>n</i> ) <sup>a</sup>
	All respondents ( <i>n</i> )	Question 14 respondents ( <i>n</i> )	Percent	Equipment	Software	
All academic institutions	727	670	92.2	7	70	84
Doctorate	415	390	94.0	5	91	51
Nondoctorate	312	280	89.7	9	40	33
Public	443	406	91.6	8	104	52
Private	284	264	93.0	5	17	32

<sup>a</sup> Several institutions reported that they do not capitalize software expenditures at any threshold. These institutions are not included in calculation of mean capitalization threshold for software but are included as question 14 respondents.

NOTES: Calculation of mean capitalization threshold for equipment included capitalized equipment threshold for all question 14 respondents. All question 14 respondents reported capitalization threshold for equipment. Calculation of mean capitalization threshold for software included only those question 14 respondents who reported capitalization threshold for software.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE A-21. Response summary for question 16, headcount of R&D personnel, and higher education R&D expenditures for question 16 respondents, by highest degree granted and institutional control: FY 2010

(Dollars in thousands)

Type of institution	Response			R&D expenditures		
	All respondents ( <i>n</i> )	Question 16 respondents ( <i>n</i> )	Percent	All respondents	Question 16 respondents	Percent
All academic institutions	727	630	86.7	61,170,773	52,437,751	85.7
Doctorate	415	351	84.6	60,174,583	51,634,698	85.8
Nondoctorate	312	279	89.4	996,190	803,053	80.6
Public	443	375	84.7	41,168,375	36,189,083	87.9
Private	284	255	89.8	20,002,398	16,248,668	81.2

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE A-22. Response summary for question 17, headcount of R&D postdocs, and higher education R&D expenditures for question 17 respondents, by highest degree granted and institutional control: FY 2010

(Dollars in thousands)

Type of institution	Response			R&D expenditures		
	All respondents ( <i>n</i> )	Question 17 respondents ( <i>n</i> )	Percent	All respondents	Question 17 respondents	Percent
All academic institutions	727	604	83.1	61,170,773	50,484,265	82.5
Doctorate	415	335	80.7	60,174,583	49,662,526	82.5
Nondoctorate	312	269	86.2	996,190	821,739	82.5
Public	443	361	81.5	41,168,375	34,666,464	84.2
Private	284	243	85.6	20,002,398	15,817,801	79.1

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.



## Appendix B. Survey Instruments

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- Standard Form
- Short Form



FORM APPROVED  
OMB No. 3145-0100  
Expiration Date: 10/31/13

**NATIONAL SCIENCE FOUNDATION**  
ARLINGTON, VA 22230  
**HIGHER EDUCATION RESEARCH AND DEVELOPMENT SURVEY**  
**FY 2010**

**Please submit your survey data by February 25, 2011.**

This survey collects data on research and development (R&D) activities at higher education institutions. Please report R&D activities and expenditures for your institution's **2010** fiscal year.

The survey was previously known as the Survey of Research and Development Expenditures at Universities and Colleges. The next two pages summarize the changes from the FY 2009 survey and present updated instructions and definitions.

Your participation in this survey provides important information on the national level of R&D activity. NSF is authorized to collect this information under the National Science Foundation Act of 1950, as amended. Your institution's response is entirely voluntary.

**Questions?**

Ronda Britt  
Division of Science Resources Statistics  
National Science Foundation  
rbritt@nsf.gov  
(703) 292-7765

Response to this survey is estimated to require 48 hours. Please report your actual completion time at the end of the questionnaire. If you wish to comment on this burden, please contact Suzanne H. Plimpton of NSF at (703) 292-7556, or e-mail [splimpto@nsf.gov](mailto:splimpto@nsf.gov).

The web address for submitting your data:

<http://www.herdsurvey.org>

Or mail this form to:

ICF International  
7315 Wisconsin Avenue, Suite 400W  
Bethesda, MD 20814-3202

**Thank you for your participation.**

## What's New

The Higher Education Research and Development Survey, formerly the Survey of Research and Development Expenditures at Universities and Colleges, has undergone a redesign in consultation with experts, data users, and university representatives. This page briefly describes the changes and additions.

### Include all fields of R&D in all survey questions

All fields of R&D should now be included in your institution's total R&D expenditures, both science and engineering (S&E) fields and non-science and engineering (non-S&E) fields such as humanities, education, law, and the arts.

All survey questions should include R&D in all fields, beginning with Question 1 and continuing throughout the questionnaire. Question 9 has a listing of examples for all R&D fields. **Please note:** There are no changes to the fields of R&D or to the listings of examples for each field.

### Other general changes

- Two alternative listings show the discipline examples for each R&D field:
  - 1) Alphabetical listing of disciplines by field (see Question 9).
  - 2) U.S. Department of Education's CIP code listing by field (see the Main Menu on the survey website).
- Clinical trials and research training grants are now explicitly included in the definition of R&D.
- Each institution campus headed by a campus-level president or chancellor is asked to complete a separate survey rather than combine their response with other campuses in their university system.

### Changes to questions

- Sources of funds: Separate categories have been created for nonprofit organizations and for institutional cost sharing. The "Industry" category has been renamed "Business" (Question 1).
- Expenditures by field and source: Information is requested by field of R&D for all sources of funds.
  - Question 9 asks for federally funded expenditures by agency and field.
  - Question 12 asks for nonfederally funded expenditures by field for each nonfederal source.

### New questions

For these new questions: If you do not have data available for one or more of the cells, please leave them blank instead of entering zero(s).

- Question 2. Foreign funding for R&D
- Question 3. Contracts and grants
- Question 4. R&D at medical schools
- Question 5. Clinical trial R&D
- Question 6. Basic research, applied research, and development
- Question 10. Other federal agency sources
- Question 11. R&D funded by the American Recovery and Reinvestment Act (ARRA)
- Question 13. Cost elements of R&D
- Question 14. Capitalization thresholds
- Question 16. Headcount of R&D personnel
- Question 17. Headcount of R&D postdocs

## Survey Definitions and Instructions

### Fiscal year (FY)

Please report data for your institution's 2010 fiscal year.

**Research and development (R&D)** is creative work conducted systematically to increase the stock of knowledge (research) and to use this stock of knowledge to devise new applications (development). R&D covers three activities defined below – basic research, applied research, and development.

**Basic research** is undertaken primarily to acquire new knowledge without any particular application or use in mind.

**Applied research** is conducted to gain the knowledge or understanding to meet a specific, recognized need.

**Development** is the systematic use of the knowledge or understanding gained from research directed toward the production of useful materials, devices, systems, or methods, including the design and development of prototypes and processes.

### R&D expenditures

R&D for purposes of this survey includes “organized research” as defined by **2 CFR 220 (OMB Circular A-21)**. It includes all R&D expenditures from your institution's current operating funds that are separately budgeted and accounted for.

R&D <i>includes</i> :	R&D does <i>not</i> include:
<ul style="list-style-type: none"> <li>• Sponsored research (including federal and nonfederal sponsors)</li> <li>• University research (institutional funds that are separately budgeted for individual R&amp;D projects)</li> <li>• Recovered and unrecovered indirect costs (see definitions in Question 1)</li> <li>• Equipment purchased from R&amp;D project accounts</li> <li>• R&amp;D funds passed through to a subrecipient organization, educational or other</li> <li>• Clinical trials, phases I, II, or III (see definition in Question 5)</li> <li>• Research training grants funding work on organized research projects</li> </ul>	<ul style="list-style-type: none"> <li>• Public service grants or outreach programs</li> <li>• Curriculum development (unless included as part of an overall research project)</li> <li>• Departmental research that is not separately budgeted</li> <li>• R&amp;D conducted by university faculty or staff at outside institutions that is not accounted for in your financial records</li> <li>• Capital projects (i.e., construction or renovation of research facilities)</li> <li>• Non-research training grants</li> </ul>

Please <i>include</i> these components of your institution:	Please do <i>not</i> include:
<ul style="list-style-type: none"> <li>• All units of your institution included in or with your financial statements, such as:               <ul style="list-style-type: none"> <li>○ Agricultural experiment stations</li> <li>○ Branch campuses</li> <li>○ Medical schools</li> <li>○ Hospitals or clinics</li> <li>○ Research centers and facilities</li> <li>○ A university 501(c)3 foundation established to handle R&amp;D awards</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Federally Funded R&amp;D Centers (FFRDCs). This information is collected separately. See the list of FFRDCs: <a href="http://www.nsf.gov/statistics/ffrdc/">http://www.nsf.gov/statistics/ffrdc/</a>.</li> <li>• Other organizations or institutions, such as teaching hospitals or research institutes, with which your institution has an affiliation or relationship, but which are <b>not</b> components of your institution.</li> <li>• Other campuses headed by their own presidents or chancellors within your university system. Each campus is asked to respond separately.</li> </ul>

**Question 1. How much of your total expenditures for separately budgeted research and development (R&D) came from the following sources in FY 2010? (See definition of R&D on the previous page.)**

- In rows a, b, c, d, and f: Include both **direct** and **recovered indirect costs** (reimbursement of Facilities and Administrative (F&A) costs from external sponsors).
- Report the **original source** of funds, when possible.
- Include **all** fields of R&D: sciences, engineering, humanities, education, law, arts, etc. See full listing in Question 9.

<b>Source of funds</b>	<b>R&amp;D expenditures (Dollars in thousands) (for example, report \$25,342 as \$25)</b>
<p><b>a. U.S. federal government</b> Any agency of the United States government. Include federal funds passed through from another institution.</p>	\$ _____
<p><b>b. State and local government</b> Any state, county, municipality, or other local government entity in the United States, including state health agencies. Include state funds that support R&amp;D at agricultural and other experiment stations. <i>Public institutions</i> should report state appropriations restricted for R&amp;D activities here rather than in Institutional funds.</p>	\$ _____
<p><b>c. Business</b> Domestic or foreign for-profit organizations. (Report funds from a company's nonprofit foundation in row d.)</p>	\$ _____
<p><b>d. Nonprofit organizations</b> Domestic or foreign nonprofit foundations and organizations.</p>	\$ _____
<p><b>e. Institutional funds</b></p>	
<p>1. Institutionally financed organized research Include expenditures of university funds from unrestricted sources that are separately budgeted for organized research.</p>	\$ _____ (Confidential <sup>1</sup> )
<p>2. Cost sharing Include committed cost sharing other than unrecovered indirect costs. Report unrecovered indirect costs in row e3.</p>	\$ _____ (Confidential <sup>1</sup> )
<p>3. Unrecovered indirect costs You may calculate this amount as follows for your externally funded R&amp;D (preferably on a project-specific basis) using the appropriate cost rate—on-campus, off-campus, etc.</p> <ul style="list-style-type: none"> <li>• First, multiply the <u>negotiated</u> rate by the corresponding base.</li> <li>• Second, subtract recovered indirect costs.</li> </ul>	\$ _____ (Confidential <sup>1</sup> )
<p>4. Total institutional funds<sup>2</sup></p>	\$ <b>TOTAL</b>
<p><b>f. All other sources</b> Other sources not reported above, such as funds from foreign governments.</p>	\$ _____
<p><b>g. Total<sup>2</sup></b></p>	\$ <b>TOTAL</b>

<sup>1</sup> Information from confidential items is not published or released for individual institutions; only aggregate totals will appear in publications. In accordance with the National Science Foundation Act of 1950, as amended, and other applicable federal laws, your responses will not be disclosed in identifiable form to anyone other than agency employees or authorized persons.

<sup>2</sup> Totals for rows e4 and g are automatically generated on the web survey.

**Question 2. How much of the total R&D expenditures reported in Question 1 came from foreign sources?**

- Include foreign governments, businesses, universities, nonprofit organizations, and any other entity sending funds to the U.S. from a location outside the U.S. and its territories.
- Projects sponsored by a U.S. location of a foreign company are **not** considered foreign.
- Include international governmental organizations located in the U.S., such as the United Nations, the World Bank, and the International Monetary Fund.

**R&D expenditures  
(Dollars in thousands)**

**Total R&D expenditures from foreign sources**

\$ \_\_\_\_\_

**Question 3. Of the total R&D expenditures that were externally funded (all sources other than the institutional funds reported in Question 1, row e4), how much was received under each of the following types of agreements?**

**R&D expenditures  
(Dollars in thousands)**

**a. Contracts** (including direct or prime contracts and subcontracts)

Contracts are legal commitments in which a good or service is provided by your institution that benefits the sponsor. The sponsor specifies the deliverables and gains the rights to results.

\$ \_\_\_\_\_

**b. Grants, reimbursements, and all other agreements**

Include all other agreements in which payments are received but no good or service other than periodic reporting is required in exchange.

\$ \_\_\_\_\_

**c. Total<sup>1</sup>**

(Total should match Question 1, row g minus Question 1, row e4)

\$ TOTAL

<sup>1</sup> The column total is automatically generated on the web survey.

**Question 4. Of the total R&D expenditures reported in Question 1, row g, how much was expended for R&D projects in your medical school?**

Include projects that are assigned to the medical school or to research centers that are organizationally part of the medical school.

If your institution does **not** have a medical school (that is, a school that awards the M.D. or D.O. degree), check here and go to Question 5.

**R&D expenditures  
(Dollars in thousands)**

**Total R&D expenditures in the university's medical school**

\$ \_\_\_\_\_

**Question 5. Of the total R&D expenditures reported in Question 1, row g, how much was expended for Phase I, Phase II, and Phase III clinical trials with human patients?**

**Clinical trials** are research studies designed to answer specific questions about the effects of drugs, vaccines, medical devices, tests, treatments, and other therapies for patients. Clinical trials are used to determine safety and effectiveness.

For reference, the National Institutes of Health (NIH) categorizes human clinical trials into the following four phases.

Please **include**:

- Phase I uses a small group of human patients (20–80) to evaluate safety and identify side effects.
- Phase II uses a larger group (100–300) to test effectiveness and further evaluate safety.
- Phase III uses a large group (1,000–3,000) to confirm effectiveness, monitor side effects, compare to commonly used treatments, and collect safety information.

Please **exclude**:

- Phase IV is a post-market study that collects more information on risks, benefits, and optimal use.

If your institution did **not** conduct any clinical trials in FY 2010, check here  and go to Question 5.1.

	R&D expenditures (Dollars in thousands)		
	(1) Federal	(2) Nonfederal	(3) Total <sup>1</sup>
<b>Human clinical trials</b>			
Trials with human patients	\$ _____	\$ _____	\$ <u>TOTAL</u>

<sup>1</sup> The row total is automatically generated on the web survey.

**Question 5.1. Did you include R&D expenditures for clinical trials in your FY 2009 (previous year's) survey response?**

(Check one for each row.)	(1) Included	(2) Not included	(3) No FY 2009 trials
<b>a. Federally funded</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>b. Nonfederally funded</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Question 6. What amounts of your FY 2010 R&D expenditures were for basic research, applied research, and development?**

If possible, these categories defining the character of work should be coded at the individual project level by the principal investigator. Estimates are acceptable if necessary.

See the box below this question for examples.

	R&D expenditures (Dollars in thousands)		
	(1) Federal	(2) Nonfederal	(3) Total <sup>1</sup>
<b>a. Basic research</b> Research undertaken primarily to acquire new knowledge without any particular application or use in mind.	\$ _____	\$ _____	\$ <u>TOTAL</u>
<b>b. Applied research</b> Research conducted to gain the knowledge or understanding to meet a specific, recognized need.	\$ _____	\$ _____	\$ <u>TOTAL</u>
<b>c. Development</b> The systematic use of the knowledge or understanding gained from research directed toward the production of useful materials, devices, systems, or methods, including the design and development of prototypes and processes.	\$ _____	\$ _____	\$ <u>TOTAL</u>
<b>d. Total<sup>1</sup></b> Column 1 total should match Question 1, row a. Column 3 total should match Question 1, row g.	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>

<sup>1</sup> Row and column totals are automatically generated on the web survey.

Examples		
Basic research	Applied research	Development
A researcher is studying the properties of human blood to determine what affects coagulation.	A researcher is conducting research on how a new chicken pox vaccine affects blood coagulation.	A researcher is conducting clinical trials to test a newly developed chicken pox vaccine for young children.
A researcher is studying the properties of molecules under various heat and cold conditions.	A researcher is investigating the properties of particular substances under various heat and cold conditions with the objective of finding longer-lasting components for highway pavement.	A researcher is working with state transportation officials to conduct tests of a newly developed highway pavement under various types of heat and cold conditions.
A researcher is studying the heart chambers of various fish species.	A researcher is examining various levels of a toxic substance to determine the maximum safe level for fish in a stream.	A researcher has a contract with the U.S. government to design a new stream monitoring system that will incorporate the latest research findings on toxicity levels for fish.



**Question 7. How much of your R&D expenditures reported in Question 1 did your institution receive as a subrecipient?**

The **subrecipient** for an award carries out the work but receives the funds from a pass-through entity rather than directly from the original funding source. See OMB Circular A-133, Section 105 for the federal definition. Subrecipients tend to be the co-authors of publications, writers of technical reports discussing findings, inventors, etc. Do **not** include vendor relationships. A vendor receives payment for goods and services provided. See OMB Circular A-133, Section 210.

Source of funds	R&D expenditures (Dollars in thousands)		
	(1) Federal	(2) Nonfederal	(3) Total <sup>1</sup>
<b>a. From higher education institutions</b>			
Colleges and universities and units owned, operated, and controlled by such institutions.	\$ _____	\$ _____	\$ <u>TOTAL</u>
<b>b. From other sources</b>	\$ _____	\$ _____	\$ <u>TOTAL</u>
<b>c. Total<sup>1</sup></b>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>

<sup>1</sup> Row and column totals are automatically generated on the web survey.

**Question 8. How much of your R&D expenditures reported in Question 1 were passed through by your institution to subrecipients?**

Do **not** include vendor relationships. A vendor receives payment for goods and services provided. See OMB Circular A-133, Section 210.

Type of subrecipient	R&D expenditures (Dollars in thousands)		
	(1) Federal	(2) Nonfederal	(3) Total <sup>1</sup>
<b>a. To higher education institutions</b>			
Colleges and universities and units owned, operated, and controlled by such institutions.	\$ _____	\$ _____	\$ <u>TOTAL</u>
<b>b. To other organizations</b>	\$ _____	\$ _____	\$ <u>TOTAL</u>
<b>c. Total<sup>1</sup></b>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>

<sup>1</sup> Row and column totals are automatically generated on the web survey.

**Question 9A. What were your FY 2010 R&D expenditures in engineering funded by the federal agency sources below? (R&D expenditures from nonfederal sources will be reported in Question 12.)**

- Question 9 total (page 14, row K, column h) should match Question 1, row a.
- Please see “Help/Other resources” on survey website for a list of the sub-agencies belonging to each agency shown below.
- If an individual project involves more than one of the 36 fields of R&D, please prorate expenditures when possible and report the amount for each field involved.
- For subrecipient funding, report the agency that sponsored the original award.

**R&D expenditures from federal sources<sup>1</sup>**  
(Dollars in thousands)

R&D Fields (Examples listed below)	(a) USDA	(b) DoD	(c) Energy	(d) HHS, includes NIH	(e) NASA	(f) NSF	(g) Other	(h) Total <sup>2</sup>
<b>A. ENGINEERING</b>								
1. Aeronautical/ Astronautical	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
2. Bioengineering/ Biomedical eng.	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
3. Chemical	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
4. Civil	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
5. Electrical	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
6. Mechanical	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
7. Metallurgical/ Materials	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
8. Other engineering	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
9. Total <sup>2</sup>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>

<sup>1</sup> **KEY:** USDA, Department of Agriculture; DoD, Department of Defense; Energy, Department of Energy; HHS, Department of Health and Human Services; NASA, National Aeronautics and Space Administration; NIH, National Institutes of Health; NSF, National Science Foundation. “Other” includes all other federal agencies.

<sup>2</sup> Row and column totals are automatically generated on the web survey.

**Examples of Disciplines: Engineering Fields of R&D**

<p><b>A. ENGINEERING</b></p> <p><b>1. Aeronautical/Astronautical</b> Aerodynamics Aerospace engineering Space technology</p> <p><b>2. Bioengineering/Biomedical engineering</b> Biomaterials Medical engineering</p> <p><b>3. Chemical</b> Petroleum Petroleum refining process Plastics Polymer Wood science</p>	<p><b>4. Civil</b> Architectural Architecture Environmental Environmental health Geotechnical Hydraulic Hydrologic Sanitary Structural Transportation</p>	<p><b>5. Electrical</b> Communications Computer Electronics Power</p> <p><b>6. Mechanical</b> Engineering mechanics</p> <p><b>7. Metallurgical/Materials</b> Ceramic Materials science Metallurgy Mining and mineral Textile Welding</p>	<p><b>8. Other engineering</b> Agricultural Engineering design Engineering physics Engineering science Marine Naval architecture Nuclear Ocean Systems Other engineering fields that cannot be classified using the fields listed above</p>
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Question 9 continues on next page.

**Question 9B. What were your FY 2010 R&D expenditures in the physical sciences funded by the federal agency sources below? (R&D expenditures from nonfederal sources will be reported in Question 12.)**

**R&D expenditures from federal sources<sup>1</sup>**  
(Dollars in thousands)

<b>R&amp;D Fields</b> (Examples listed below)	<b>(a)</b> <b>USDA</b>	<b>(b)</b> <b>DoD</b>	<b>(c)</b> <b>Energy</b>	<b>(d)</b> <b>HHS,</b> <b>includes NIH</b>	<b>(e)</b> <b>NASA</b>	<b>(f)</b> <b>NSF</b>	<b>(g)</b> <b>Other</b>	<b>(h)</b> <b>Total<sup>2</sup></b>
<b>B. PHYSICAL SCIENCES</b>								
1. Astronomy	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
2. Chemistry	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
3. Physics	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
4. Other physical sciences	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
5. <b>Total<sup>2</sup></b>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>

<sup>1</sup> **KEY:** USDA, Department of Agriculture; DoD, Department of Defense; Energy, Department of Energy; HHS, Department of Health and Human Services; NASA, National Aeronautics and Space Administration; NIH, National Institutes of Health; NSF, National Science Foundation. "Other" includes all other federal agencies.

<sup>2</sup> Row and column totals are automatically generated on the web survey.

**Examples of Disciplines: Physical Sciences Fields of R&D**

<b>B. PHYSICAL SCIENCES</b>			
<p><b>1. Astronomy</b></p> <ul style="list-style-type: none"> <li>Astrophysics</li> <li>Gamma-ray astronomy</li> <li>Neutrino astronomy</li> <li>Optical astronomy</li> <li>Radio astronomy</li> <li>X-ray astronomy</li> </ul>	<p><b>2. Chemistry</b></p> <p>(except biochemistry—report in Biological sciences)</p> <ul style="list-style-type: none"> <li>Analytical chemistry</li> <li>Inorganic chemistry</li> <li>Organic chemistry</li> <li>Organo-metallic chemistry</li> <li>Pharmaceutical chemistry</li> <li>Physical chemistry</li> <li>Polymer sciences</li> </ul>	<p><b>3. Physics</b></p> <ul style="list-style-type: none"> <li>Acoustics</li> <li>Atomic physics</li> <li>Chemical physics</li> <li>Condensed matter physics</li> <li>Elementary particle physics</li> <li>Mathematical physics</li> <li>Molecular physics</li> <li>Nuclear structure</li> <li>Optics</li> <li>Plasma physics</li> <li>Theoretical physics</li> </ul>	<p><b>4. Other physical sciences</b></p> <p>Other physical sciences that cannot be classified using the fields listed above</p>

**Question 9C–E. What were your FY 2010 R&D expenditures in the environmental, mathematical, and computer sciences funded by the federal agency sources below? (R&D expenditures from nonfederal sources will be reported in Question 12.)**

**R&D expenditures from federal sources<sup>1</sup>**  
(Dollars in thousands)

<b>R&amp;D Fields</b> (Examples listed below)	(a) <b>USDA</b>	(b) <b>DoD</b>	(c) <b>Energy</b>	(d) <b>HHS, includes NIH</b>	(e) <b>NASA</b>	(f) <b>NSF</b>	(g) <b>Other</b>	(h) <b>Total<sup>2</sup></b>
<b>C. ENVIRONMENTAL SCIENCES</b>								
1. Atmospheric sciences	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
2. Earth sciences	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
3. Oceanography	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
4. Other environmental sciences	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
5. <b>Total<sup>2</sup></b>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>
<b>D. MATHEMATICAL SCIENCES</b>	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
<b>E. COMPUTER SCIENCES</b>	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>

<sup>1</sup> **KEY:** USDA, Department of Agriculture; DoD, Department of Defense; Energy, Department of Energy; HHS, Department of Health and Human Services; NASA, National Aeronautics and Space Administration; NIH, National Institutes of Health; NSF, National Science Foundation. "Other" includes all other federal agencies.

<sup>2</sup> Row and column totals are automatically generated on the web survey.

**Examples of Disciplines: Environmental Sciences, Mathematical Sciences, and Computer Sciences Fields of R&D**

<p><b>C. ENVIRONMENTAL SCIENCES</b></p> <p><b>1. Atmospheric sciences</b></p> <ul style="list-style-type: none"> <li>Aeronomy</li> <li>Extraterrestrial atmospheres</li> <li>Meteorology</li> <li>Solar</li> <li>Weather modification</li> </ul>	<p><b>C. ENVIRONMENTAL SCIENCES (CONTINUED)</b></p> <p><b>2. Earth sciences</b></p> <ul style="list-style-type: none"> <li>Cartography</li> <li>Earth and planetary sciences</li> <li>Geochemistry</li> <li>Geodesy and gravity</li> <li>Geology</li> <li>Geomagnetism</li> <li>Geophysics</li> <li>Hydrology</li> <li>Paleomagnetism</li> <li>Paleontology</li> <li>Physical geography</li> <li>Seismology</li> <li>Surveying</li> </ul>	<p><b>C. ENVIRONMENTAL SCIENCES (CONTINUED)</b></p> <p><b>3. Oceanography</b></p> <ul style="list-style-type: none"> <li>Biological oceanography</li> <li>Chemical oceanography</li> <li>Geological oceanography</li> <li>Marine biology</li> <li>Marine oceanography</li> <li>Physical oceanography</li> </ul> <p><b>4. Other environmental sciences</b></p> <p>Other environmental sciences that cannot be classified using the fields listed above</p>	<p><b>D. MATHEMATICAL SCIENCES</b></p> <ul style="list-style-type: none"> <li>Algebra</li> <li>Analysis</li> <li>Applied mathematics</li> <li>Foundations and logic</li> <li>Geometry</li> <li>Numerical analysis</li> <li>Operations research</li> <li>Statistics</li> <li>Topology</li> </ul> <p><b>E. COMPUTER SCIENCES</b></p> <ul style="list-style-type: none"> <li>Computer systems analysis</li> <li>Data processing</li> <li>Information sciences</li> <li>Information technology</li> <li>Management information systems</li> </ul>
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**Question 9F. What were your FY 2010 R&D expenditures in the life sciences funded by the federal agency sources below? (R&D expenditures from nonfederal sources will be reported in Question 12.)**

**R&D expenditures from federal sources<sup>1</sup>**  
(Dollars in thousands)

<b>R&amp;D Fields</b> (Examples listed below)	(a) <b>USDA</b>	(b) <b>DoD</b>	(c) <b>Energy</b>	(d) <b>HHS, includes NIH</b>	(e) <b>NASA</b>	(f) <b>NSF</b>	(g) <b>Other</b>	(h) <b>Total<sup>2</sup></b>
<b>F. LIFE SCIENCES</b>								
1. Agricultural sciences	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
2. Biological sciences	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
3. Medical sciences	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
4. Other life sciences	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
5. <b>Total<sup>2</sup></b>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>

<sup>1</sup> **KEY:** USDA, Department of Agriculture; DoD, Department of Defense; Energy, Department of Energy; HHS, Department of Health and Human Services; NASA, National Aeronautics and Space Administration; NIH, National Institutes of Health; NSF, National Science Foundation. "Other" includes all other federal agencies.

<sup>2</sup> Row and column totals are automatically generated on the web survey.

**Examples of Disciplines: Life Sciences Fields of R&D**

**F. LIFE SCIENCES**

**1. Agricultural sciences**

Agricultural chemistry  
Agricultural economics—report in Social sciences, Economics  
Agricultural engineering—report in Engineering  
Agricultural production  
Agronomy  
Animal science  
Aquaculture  
Conservation  
Fish and wildlife  
Forestry  
Horticulture  
International agriculture  
Landscape architecture  
Plant sciences  
Renewable natural resources  
Soil sciences

**2. Biological sciences**

Allergies and immunology  
Anatomy  
Bacteriology  
Biochemistry  
Biogeography  
Biology, general  
Biometrics  
Biophysics  
Biostatistics  
Biotechnology

**2. Biological sciences**

(CONTINUED)

Botany  
Cellular biology  
Ecology  
Entomology  
Epidemiology  
Foods and nutrition studies  
Genetics, plant and animal  
Immunology  
Medical microbiology  
Microbiology  
Molecular biology  
Nutritional sciences  
Parasitology  
Pathology, human and animal  
Pharmacology, human and animal  
Physical anthropology  
Physiology, human and animal  
Toxicology  
Virology  
Zoology

**3. Medical sciences**

Anesthesiology  
Cardiology  
Colon and rectal surgery  
Dental surgery  
Dentistry

**3. Medical sciences**

(CONTINUED)

Dermatology  
Family medicine  
Gastroenterology  
General surgery  
Geriatric medicine  
Gynecology  
Hematology  
Internal medicine  
Mental health  
Neonatal-perinatal medicine  
Neurological surgery  
Neurology  
Neurosciences  
Nuclear medicine  
Nuclear radiology  
Obstetrics  
Oncology  
Ophthalmology  
Optometry  
Oral surgery  
Orthopedic surgery  
Orthopedics  
Osteopathic medicine  
Otorhinolaryngology  
Pediatrics  
Pharmacology  
Pharmacy  
Physical and rehabilitative medicine  
Plastic surgery  
Podiatry

**3. Medical sciences**

(CONTINUED)

Preventive medicine  
Psychiatric nursing  
Psychiatry  
Public health  
Radiation biology/  
Radiobiology  
Thoracic surgery  
Urology  
Veterinary medicine—see note below

**4. Other life sciences**

Clinical/medical laboratory technologies  
Communication disorders sciences and services  
Gerontology  
Health and medical administrative services  
Health professions and related services, other  
Nursing  
Occupational therapy  
Physical therapy  
Rehabilitation services  
Therapeutic services  
Other life sciences that cannot be classified using the fields listed above

Note: Please report veterinary R&D expenditures using agricultural sciences, biological sciences and medical sciences, as appropriate.

**Question 9G–I. What were your FY 2010 R&D expenditures in psychology, social sciences, and other sciences funded by the federal agency sources below? (R&D expenditures from nonfederal sources will be reported in Question 12.)**

**R&D expenditures from federal sources<sup>1</sup>**  
(Dollars in thousands)

R&D Fields (Examples listed below)	(a) USDA	(b) DoD	(c) Energy	(d) HHS, includes NIH	(e) NASA	(f) NSF	(g) Other	(h) Total <sup>2</sup>
<b>G. PSYCHOLOGY</b>	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
<b>H. SOCIAL SCIENCES</b>								
1. Economics	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
2. Political science	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
3. Sociology	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
4. Other social sciences	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
5. Total <sup>2</sup>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>
<b>I. OTHER SCIENCES</b>	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>

<sup>1</sup> **KEY:** USDA, Department of Agriculture; DoD, Department of Defense; Energy, Department of Energy; HHS, Department of Health and Human Services; NASA, National Aeronautics and Space Administration; NIH, National Institutes of Health; NSF, National Science Foundation. "Other" includes all other federal agencies.

<sup>2</sup> Row and column totals are automatically generated on the web survey.

**Examples of Disciplines: Psychology, Social Sciences, and Other Sciences Fields of R&D**

<b>G. PSYCHOLOGY</b>	<b>H. SOCIAL SCIENCES</b> (CONTINUED)	<b>H. SOCIAL SCIENCES</b> (CONTINUED)	<b>I. OTHER SCIENCES</b>
Animal behavior Art therapy Clinical psychology Educational psychology Experimental psychology Human development and personality School psychology Social psychology	<b>2. Political science</b> Comparative government Government International relations and affairs Legal systems Political theory Public administration Public policy analysis Regional studies	<b>4. Other social sciences</b> Archaeology Area and ethnic studies City and community planning Community services Corrections Criminal justice Geography History of science Linguistics Urban affairs Urban and regional planning Urban studies	Use this category for R&D that involves at least one S&E field (rows A–H) if it is impossible to report multidisciplinary or interdisciplinary R&D expenditures in specific fields.
<b>H. SOCIAL SCIENCES</b> <b>1. Economics</b> Agricultural economics Applied economics Business development Econometrics Industrial economics International economics Labor economics Managerial economics Public finance and fiscal policy Quantitative economics Resource economics	<b>3. Sociology</b> Anthropology, cultural and social Anthropology, physical—report in Life Sciences, Biological Sciences Comparative and historical sociology Complex organizations Cultural and social structure Demography Group interactions Population studies Social problems and welfare theory		

**Question 9J–K. What were your FY 2010 R&D expenditures in the non-science and engineering (non-S&E) fields funded by the federal agency sources below? (R&D expenditures from nonfederal sources will be reported in Question 12.)**

**R&D expenditures from federal sources<sup>1</sup>**  
(Dollars in thousands)

<b>R&amp;D Fields</b> (Examples listed below)	(a) <b>USDA</b>	(b) <b>DoD</b>	(c) <b>Energy</b>	(d) <b>HHS, includes NIH</b>	(e) <b>NASA</b>	(f) <b>NSF</b>	(g) <b>Other</b>	(h) <b>Total<sup>2</sup></b>
<b>J. NON-S&amp;E FIELDS</b>								
1. Education	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
2. Law	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
3. Humanities	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
4. Visual and performing arts	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
5. Business and management	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
6. Communication, journalism, and library science	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
7. Social work	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
8. Other non-S&E fields	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
9. <b>Total<sup>2</sup></b>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>
<b>K. TOTAL FOR ALL FIELDS OF R&amp;D<sup>2</sup></b>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>

**Total for row K, column h should equal Total for Question 1, row a.**

<sup>1</sup> **KEY:** USDA, Department of Agriculture; DoD, Department of Defense; Energy, Department of Energy; HHS, Department of Health and Human Services; NASA, National Aeronautics and Space Administration; NIH, National Institutes of Health; NSF, National Science Foundation. "Other" includes all other federal agencies.

<sup>2</sup> Row and column totals are automatically generated on the web survey.

**Examples of Disciplines: Non-S&E Fields of R&D**

<b>J. NON-S&amp;E FIELDS</b>			
<p><b>1. Education</b> (no specific examples)</p> <p><b>2. Law</b> Legal studies</p> <p><b>3. Humanities</b> English language and literature Foreign languages and literature General studies and humanities History (except history of science—report in Other social sciences) Letters</p>	<p><b>3. Humanities</b> (CONTINUED) Liberal arts and sciences Philosophy and religion Theological studies and religious vocations</p> <p><b>4. Visual and performing arts</b> (no specific examples)</p> <p><b>5. Business and management</b> Business management and administrative services Marketing distribution Marketing operations</p>	<p><b>6. Communication, journalism, and library science</b> Communication Communications technologies Library science</p> <p><b>7. Social work</b> (no specific examples)</p>	<p><b>8. Other non-S&amp;E fields</b> Military technologies Parks, recreation, leisure and fitness studies Other non-S&amp;E fields that cannot be classified using the fields listed above</p> <p>Also, use this category for R&amp;D that involves multiple non-S&amp;E fields if it is impossible to report multidisciplinary or interdisciplinary R&amp;D expenditures in specific fields.</p>

**Question 10. Of the amount reported for Other federal sources reported in Question 9 (row K, column g), which agencies funded this R&D and how much of the reported amount was from each agency?**

If your institution reported \$0 in Question 9, row K, column g, check here  and go to Question 11.

- Use rows a–j to list up to 10 agencies that funded the largest R&D expenditures.
- Use row k to report any remaining amount.
- For subrecipient funding in this question, list the sponsor of the original award.
- Please see “Help/Other resources” on the survey website for a list of federal agencies and their sub-agencies.

**Federal agencies (list up to 10)**

**R&D expenditures  
(Dollars in thousands)**

a.	<input type="text"/>	\$ <input type="text"/>
b.	<input type="text"/>	\$ <input type="text"/>
c.	<input type="text"/>	\$ <input type="text"/>
d.	<input type="text"/>	\$ <input type="text"/>
e.	<input type="text"/>	\$ <input type="text"/>
f.	<input type="text"/>	\$ <input type="text"/>
g.	<input type="text"/>	\$ <input type="text"/>
h.	<input type="text"/>	\$ <input type="text"/>
i.	<input type="text"/>	\$ <input type="text"/>
j.	<input type="text"/>	\$ <input type="text"/>
k.	Other agencies included in Question 9, column g, but not listed above	\$ <input type="text"/>
l.	<b>Total (should match Question 9, row K, column g.)<sup>1</sup></b>	\$ <u>TOTAL</u>

<sup>1</sup> The column total is automatically generated on the web survey.

**Question 11. How much of the federal R&D expenditures reported in Question 1, row a, was funded by the American Recovery and Reinvestment Act (ARRA)?**

<b>Total R&amp;D expenditures from ARRA funds</b>	<b>R&amp;D expenditures (Dollars in thousands)</b>
	\$ <input type="text"/>



**Question 12A–B. What were your FY 2010 R&D expenditures in the engineering and physical sciences fields funded by the nonfederal sources below?**

- The totals in row K, page 18, should match the corresponding sources in Question 1, rows b–f.
- If an individual project involves more than one of the 36 fields of R&D, please prorate expenditures when possible and report the amount for each field involved.

**R&D expenditures from nonfederal sources**  
(Dollars in thousands)

<b>R&amp;D Fields</b> (See Question 9, pp. 9–10)	<b>(a)</b> State and local government	<b>(b)</b> Business	<b>(c)</b> Nonprofit organizations	<b>(d)</b> Institutional funds	<b>(e)</b> Other nonfederal sources	<b>(f)</b> Total <sup>1</sup>
<b>A. ENGINEERING</b>						
1. Aeronautical/ Astronautical	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
2. Bioengineering/ Biomedical eng.	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
3. Chemical	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
4. Civil	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
5. Electrical	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
6. Mechanical	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
7. Metallurgical/Materials	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
8. Other engineering	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
9. <b>Total</b> <sup>1</sup>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>
<b>B. PHYSICAL SCIENCES</b>						
1. Astronomy	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
2. Chemistry	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
3. Physics	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
4. Other physical sciences	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
5. <b>Total</b> <sup>1</sup>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>

<sup>1</sup> Row and column totals are automatically generated on the web survey.

Examples of disciplines for engineering and physical sciences fields of R&D are listed on page 9–10.

**Question 12C–I. What were your FY 2010 R&D expenditures in the R&D fields listed below funded by the nonfederal sources below?**

**R&D expenditures from nonfederal sources**  
(Dollars in thousands)

<b>R&amp;D Fields</b> (See Question 9, pp. 11–13)	<b>(a)</b> State and local government	<b>(b)</b> Business	<b>(c)</b> Nonprofit organizations	<b>(d)</b> Institutional funds	<b>(e)</b> Other nonfederal sources	<b>(f)</b> Total <sup>1</sup>
<b>C. ENVIRONMENTAL SCIENCES</b>						
1. Atmospheric sciences	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
2. Earth sciences	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
3. Oceanography	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
4. Other environmental sciences	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
5. Total <sup>1</sup>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>
<b>D. MATHEMATICAL SCIENCES</b>						
	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
<b>E. COMPUTER SCIENCES</b>						
	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
<b>F. LIFE SCIENCES</b>						
1. Agricultural sciences	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
2. Biological sciences	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
3. Medical sciences	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
4. Other life sciences	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
5. Total <sup>1</sup>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>
<b>G. PSYCHOLOGY</b>						
	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
<b>H. SOCIAL SCIENCES</b>						
1. Economics	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
2. Political science	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
3. Sociology	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
4. Other social sciences	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
5. Total <sup>1</sup>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>
<b>I. OTHER SCIENCES</b>						
	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>

<sup>1</sup> Row and column totals are automatically generated on the web survey.

**Examples of disciplines for the above fields of R&D are listed on pages 11–13.**

**Question 12J–K. What were your FY 2010 R&D expenditures in the non-science and engineering (non-S&E) fields funded by the nonfederal sources below?**

**R&D expenditures from nonfederal sources**  
(Dollars in thousands)

<b>R&amp;D Fields</b> (See Question 9, p. 14)	<b>(a)</b> <b>State and local government</b>	<b>(b)</b> <b>Business</b>	<b>(c)</b> <b>Nonprofit organizations</b>	<b>(d)</b> <b>Institutional funds</b>	<b>(e)</b> <b>Other nonfederal sources</b>	<b>(f)</b> <b>Total<sup>1</sup></b>
<b>J. NON-S&amp;E FIELDS</b>						
1. Education	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
2. Law	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
3. Humanities	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
4. Visual and performing arts	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
5. Business and management	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
6. Communication, journalism, and library science	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
7. Social work	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
8. Other non-S&E fields	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ <u>TOTAL</u>
9. <b>Total<sup>1</sup></b>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>
<b>K. TOTAL FOR ALL FIELDS OF R&amp;D <sup>1</sup></b>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>

Totals in row K, columns a–e should match corresponding sources in Question 1, rows b–f.

<sup>1</sup> Row and column totals are automatically generated on the web survey.

Examples of disciplines for non-S&E fields of R&D are listed on page 14.

**Question 13. Of the total amount of R&D expenditures reported in Question 1, row g, what were the amounts for the following types of costs?**

Please report only **direct costs** (including cost sharing) in rows a–e.  
Recovered and unrecovered **indirect costs** should be reported in rows f–g.

<b>DIRECT COSTS FROM ALL SOURCES</b>	<b>R&amp;D expenditures (Dollars in thousands)</b>
<b>a. Salaries, wages, and fringe benefits</b> Include compensation for all R&D personnel whether full-time or part-time, temporary or permanent. Include salaries, wages, and fringe benefits paid from your institution's funds and from external support.	\$ _____
<b>b. Software purchases</b> All payments for software. Include both purchases of software packages and license fees for systems.	
<b>1. Noncapitalized software</b>	\$ _____
<b>2. Capitalized software</b> (If you are unable to distinguish capitalized software from capitalized equipment, report both in row c.)	\$ _____
<b>c. Capitalized equipment</b> Payments for movable equipment exceeding your institution's capitalization threshold. Include ancillary costs such as delivery and set-up.	\$ _____
<b>d. Pass-throughs to other universities or organizations</b> (should match the total in Question 8, row c, column 3)	\$ _____
<b>e. Other direct costs</b> Other costs that do not fit into one of the above categories, including (but not limited to) travel, tuition waivers, services such as consulting, computer usage fees, and supplies.	\$ _____
<b>INDIRECT COSTS</b>	
<b>f. Recovered indirect costs</b> Reimbursement of Facilities and Administrative (F&A) costs from external sponsors.	\$ _____ (Confidential <sup>1</sup> )
<b>g. Unrecovered indirect costs</b> (should equal Question 1, row e3)	\$ _____ (Confidential <sup>1</sup> )
<b>h. Total<sup>2</sup></b> (should match total from Question 1, row g)	\$ <b>TOTAL</b>

<sup>1</sup> Information from confidential items is not published or released for individual institutions; only aggregate totals will appear in publications. In accordance with the National Science Foundation Act of 1950, as amended, and other applicable federal laws, your responses will not be disclosed in identifiable form to anyone other than agency employees or authorized persons.

<sup>2</sup> The column total is automatically generated on the web survey.

**Question 14. At the end of FY 2010, what were your institution's dollar capitalization thresholds (in thousands) for software and equipment?**

	<b>Dollars in thousands</b>	
	<b>(1)</b>	<b>(2)</b>
	<b>Software</b>	<b>Equipment</b>
<b>Capitalization thresholds</b>	\$ _____	\$ _____

**Question 15A–C. For the R&D fields below, what portion of your FY 2010 R&D expenditures went for the purchase of capitalized R&D equipment?**

Question 15 total (row K, column c) should match Question 13, row c (capitalized equipment).

R&D Fields (See Question 9, pp. 9–11)	R&D equipment expenditures (Dollars in thousands)		
	(a) Federal	(b) Nonfederal	(c) Total <sup>1</sup>
<b>A. ENGINEERING</b>			
1. Aeronautical/Astronautical	\$ _____	\$ _____	\$ <u>TOTAL</u>
2. Bioengineering/Biomedical engineering	\$ _____	\$ _____	\$ <u>TOTAL</u>
3. Chemical	\$ _____	\$ _____	\$ <u>TOTAL</u>
4. Civil	\$ _____	\$ _____	\$ <u>TOTAL</u>
5. Electrical	\$ _____	\$ _____	\$ <u>TOTAL</u>
6. Mechanical	\$ _____	\$ _____	\$ <u>TOTAL</u>
7. Metallurgical/Materials	\$ _____	\$ _____	\$ <u>TOTAL</u>
8. Other engineering	\$ _____	\$ _____	\$ <u>TOTAL</u>
9. Total <sup>1</sup>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>
<b>B. PHYSICAL SCIENCES</b>			
1. Astronomy	\$ _____	\$ _____	\$ <u>TOTAL</u>
2. Chemistry	\$ _____	\$ _____	\$ <u>TOTAL</u>
3. Physics	\$ _____	\$ _____	\$ <u>TOTAL</u>
4. Other physical sciences	\$ _____	\$ _____	\$ <u>TOTAL</u>
5. Total <sup>1</sup>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>
<b>C. ENVIRONMENTAL SCIENCES</b>			
1. Atmospheric sciences	\$ _____	\$ _____	\$ <u>TOTAL</u>
2. Earth sciences	\$ _____	\$ _____	\$ <u>TOTAL</u>
3. Oceanography	\$ _____	\$ _____	\$ <u>TOTAL</u>
4. Other environmental sciences	\$ _____	\$ _____	\$ <u>TOTAL</u>
5. Total <sup>1</sup>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>

<sup>1</sup> Row and column totals are automatically generated on the web survey.

Examples of disciplines for the above fields of R&D are listed on pages 9–11.

**Question 15D–I.** For the R&D fields below, what portion of your FY 2010 R&D expenditures went for the purchase of capitalized R&D equipment?

R&D Fields (See Question 9, pp. 11–13)	R&D equipment expenditures (Dollars in thousands)		(c) Total <sup>1</sup>
	(a) Federal	(b) Nonfederal	
<b>D. MATHEMATICAL SCIENCES</b>	\$ _____	\$ _____	\$ <u>TOTAL</u>
<b>E. COMPUTER SCIENCES</b>	\$ _____	\$ _____	\$ <u>TOTAL</u>
<b>F. LIFE SCIENCES</b>			
1. Agricultural sciences	\$ _____	\$ _____	\$ <u>TOTAL</u>
2. Biological sciences	\$ _____	\$ _____	\$ <u>TOTAL</u>
3. Medical sciences	\$ _____	\$ _____	\$ <u>TOTAL</u>
4. Other life sciences	\$ _____	\$ _____	\$ <u>TOTAL</u>
5. Total <sup>1</sup>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>
<b>G. PSYCHOLOGY</b>	\$ _____	\$ _____	\$ <u>TOTAL</u>
<b>H. SOCIAL SCIENCES</b>			
1. Economics	\$ _____	\$ _____	\$ <u>TOTAL</u>
2. Political science	\$ _____	\$ _____	\$ <u>TOTAL</u>
3. Sociology	\$ _____	\$ _____	\$ <u>TOTAL</u>
4. Other social sciences	\$ _____	\$ _____	\$ <u>TOTAL</u>
5. Total <sup>1</sup>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>
<b>I. OTHER SCIENCES</b>	\$ _____	\$ _____	\$ <u>TOTAL</u>

<sup>1</sup> Row and column totals are automatically generated on the web survey.

Examples of disciplines for the above fields of R&D are listed on pages 11–13.

**Question 15J–K.** For the non-science and engineering (non-S&E) R&D fields below, what portion of your FY 2010 R&D expenditures went for the purchase of capitalized R&D equipment?

R&D Fields (See Question 9, p. 14)	R&D equipment expenditures (Dollars in thousands)		
	(a) Federal	(b) Nonfederal	(c) Total <sup>1</sup>
<b>J. NON-S&amp;E FIELDS</b>			
1. Education	\$ _____	\$ _____	\$ <u>TOTAL</u>
2. Law	\$ _____	\$ _____	\$ <u>TOTAL</u>
3. Humanities	\$ _____	\$ _____	\$ <u>TOTAL</u>
4. Visual and performing arts	\$ _____	\$ _____	\$ <u>TOTAL</u>
5. Business and management	\$ _____	\$ _____	\$ <u>TOTAL</u>
6. Communication, journalism, and library science	\$ _____	\$ _____	\$ <u>TOTAL</u>
7. Social work	\$ _____	\$ _____	\$ <u>TOTAL</u>
8. Other non-S&E fields	\$ _____	\$ _____	\$ <u>TOTAL</u>
9. Total <sup>1</sup>	\$ _____	\$ _____	\$ <u>TOTAL</u>
<b>K. TOTAL FOR ALL FIELDS OF R&amp;D <sup>1</sup></b>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>	\$ <u>TOTAL</u>

Total for row K, column c, should match Question 13, row c (capitalized equipment).

<sup>1</sup> Row and column totals are automatically generated on the web survey.

Examples of disciplines for non-S&E fields of R&D are listed on page 14.

**Question 16. How many principal investigators and other personnel (headcount) were paid from the R&D salaries, wages, and fringe benefits you reported in Question 13, row a?**

- A **principal investigator (PI)** is designated by your institution to direct the R&D project or program and be responsible for the scientific and technical direction of the project. Co-investigators (co-PIs) may be designated for this role and should also be included in column 1.
- Count each person only once.
- If a person serves as a PI or co-PI on one project and other personnel on another project, count that person as a PI.
- Include all personnel and students paid from R&D accounts regardless of how much they received.

	(1) Principal investigators	(2) All other personnel	(3) Total <sup>1</sup>
<b>Number of people (headcount)</b>	<input type="text"/>	<input type="text"/>	<input type="text" value="TOTAL"/>

<sup>1</sup> The row total is automatically generated on the web survey.

**Question 17. Of the headcount reported in Question 16, column 3, how many are categorized as postdocs?**

NSF defines postdocs as meeting both of the following qualifications:

1. Holds a recent doctoral degree, generally awarded within the last 5 years
  - PhD or equivalent such as an ScD or DEng **or**
  - First professional degree in a medical or related field (MD, DDS, DO, DVM) **or**
  - Foreign equivalent to a U.S. doctoral degree
2. Has a limited-term appointment, generally no more than 5–7 years
  - Primarily for training in research or scholarship **and**
  - Working under the supervision of a senior scholar in a unit affiliated with **your** institution

**Number of postdocs (headcount)**



**Question 18.**

**A. Contact information:** Please complete the contact information for the person responsible for the survey and an alternate contact.

	<b>Primary contact</b>	<b>Alternate contact</b>
Name	<input type="text"/>	<input type="text"/>
Title	<input type="text"/>	<input type="text"/>
Institution Name	<input type="text"/>	<input type="text"/>
Building/Department	<input type="text"/>	<input type="text"/>
Street address (line 1)	<input type="text"/>	<input type="text"/>
Street address (line 2)	<input type="text"/>	<input type="text"/>
City, state, and zip code	<input type="text"/>	<input type="text"/>
Phone number	<input type="text"/>	<input type="text"/>
Fax number	<input type="text"/>	<input type="text"/>
Email address	<input type="text"/>	<input type="text"/>

**B. Fiscal year:** In what month did your institution's 2010 fiscal year end?

**C. Survey completion time:** Considering all offices involved, approximately  hours how long did it take to complete this survey?

**D. Additional comments:**

<input type="text"/>
<input type="text"/>
<input type="text"/>
<input type="text"/>
<input type="text"/>



FORM APPROVED  
OMB No. 3145-0100  
Expiration Date: 10/31/13

**NATIONAL SCIENCE FOUNDATION**  
ARLINGTON, VA 22230

**HIGHER EDUCATION RESEARCH AND DEVELOPMENT SURVEY**  
**FY 2010 Short Form**

The National Science Foundation (NSF), a federal government agency, is charged with collecting and reporting information on research and development activity in the United States. As part of this mission, NSF collects information about R&D performed at colleges and universities.

This brief survey is about expenditures at your institution for sponsored research and other R&D activities set up in a specific account. NSF is requesting this information from all institutions in the United States granting bachelors' or higher degrees to:

- (1) conduct a one-time census of total R&D expenditures within the higher education sector, and
- (2) establish a threshold for selecting institutions for the annual Higher Education R&D Survey.

If your institution meets our threshold for R&D expenditures, you will be asked to participate in the annual survey. The annual survey requests breakdowns of R&D expenditures and activities for categories such as field of R&D and source of funding.

Your participation provides important information on the national level of R&D activity. NSF is authorized to collect this information under the National Science Foundation Act of 1950, as amended. Your institution's response is entirely voluntary.

**QUESTIONS?**

Ronda Britt  
National Center for Science and Engineering Statistics  
National Science Foundation  
rbritt@nsf.gov  
(703) 292-7765

Response to this survey is estimated to require 2 hours. If you wish to comment on this burden, please contact Suzanne H. Plimpton of NSF at (703) 292-7556, or e-mail splimpto@nsf.gov.

**Thank you for your participation.**

**Before answering the questions on the next two pages, please consider the following definitions:**

**Separately budgeted R&D expenditures** include all current operating funds expended for activities specifically organized to conduct research and development. R&D expenditures include both externally funded “sponsored projects” and internally funded projects.

**Research** is creative work conducted systematically to extend knowledge or devise new or improved applications.

**Development** is the systematic use of knowledge or understanding gained from research for the production of useful materials, devices, systems, or methods, including the design and development of prototypes and processes.

R&D <i>includes</i> :	R&D does <i>not</i> include:
<ul style="list-style-type: none"><li>• Expenditures from research grants or contracts awarded by federal agencies, state government, business, or nonprofit organizations and foundations</li><li>• Indirect costs associated with research expenditures</li><li>• Internally funded expenditures for specific faculty research projects</li><li>• Internally funded expenditures for faculty to develop new or improved products or applications</li></ul>	<ul style="list-style-type: none"><li>• Non-research training grants</li><li>• Curriculum development (unless included as part of an overall research project)</li><li>• Economic development programs</li><li>• Faculty development</li><li>• Public service grants or outreach programs</li><li>• Market research</li><li>• Routine testing or other support services for research conducted outside your college</li><li>• Capital projects (i.e. construction or renovation of research facilities)</li></ul>

**Question 1. During your institution’s fiscal year 2010, did your institution have any separately budgeted R&D expenditures?**

**Yes**  → Go to Question 2

**No**  → Go to Question 3

**Question 2. How much of your total expenditures for separately budgeted research and development (R&D) came from the following sources in FY 2010?**  
*(See definition of R&D on the previous page.)*

- In rows a, b, c, d, and f: Include both **direct** and **recovered indirect costs** (Recovered indirect costs are reimbursements of Facilities and Administrative (F&A) costs from external sponsors).
- Report the **original source** of funds, when possible.
- Include **all** fields of R&D: sciences, engineering, humanities, education, law, arts, etc.

**R&D expenditures**

**SOURCE OF FUNDS**

**a. U.S. federal government**

Any agency of the United States government.  
 Include federal funds passed through from another institution.

\$ \_\_\_\_\_

**b. State and local government**

Any state, county, municipality, or other local government entity in the United States, including state health agencies. Include state funds that support R&D at agricultural and other experiment stations.  
*Public institutions:* Report state appropriations restricted for R&D activities here rather than in Institutional funds.

\$ \_\_\_\_\_

**c. Business**

Domestic or foreign for-profit organizations. (Report funds from a company's nonprofit foundation in row d.)

\$ \_\_\_\_\_

**d. Nonprofit organizations**

Domestic or foreign nonprofit foundations and organizations.

\$ \_\_\_\_\_

**e. Institutional funds**

Include the following types of internally funded R&D:

\$ \_\_\_\_\_

- Expenditures of university funds from unrestricted sources that are separately budgeted for organized research
- Committed cost sharing on sponsored R&D projects
- Unrecovered indirect costs

You may calculate this amount as follows for your externally funded R&D (preferably on a project-specific basis) using the appropriate cost rate—on-campus, off-campus, etc.

First, multiply your negotiated rate by the corresponding base. Second, subtract recovered indirect costs.

**f. All other sources**

Other sources not reported above, such as funds from foreign governments.

\$ \_\_\_\_\_

**g. Total**

\$ \_\_\_\_\_

**Question 3. In what month did your institution's 2010 fiscal year end?**

**Question 4. Who should we contact regarding the above information?**

Name	<input type="text"/>
Title or office	<input type="text"/>
Institution name	<input type="text"/>
Building/Department	<input type="text"/>
Street address	<input type="text"/>
City, state, and zip code	<input type="text"/>
Phone number	<input type="text"/>
Email address	<input type="text"/>

**Thank you for completing this questionnaire. If you have any additional comments, please use the space below:**

## **Appendix C. Changes to Reporting Units for FY 2010 Higher Education R&D Survey**

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Prior to the launch of the FY 2010 Higher Education R&D (HERD) Survey, the National Science Foundation (NSF) revised the reporting procedures to require survey responses from each geographically separate institution campus headed by a president or chancellor. The goals of the change to the reporting unit were to improve the comparability of institutions appearing in the ranking tables and to facilitate peer analysis by having data available at a similar level of detail for all institutions.

### **Background**

Throughout the history of the survey, previously known as the Survey of R&D Expenditures at Universities and Colleges, some multicampus institutions have responded at the aggregate level rather than the campus level. As a result, the academic research and development ranking tables published annually contained a mix of institutional reporting levels. Some institutions were ranked based on their all-campus R&D total (e.g., Louisiana State University, University of Tennessee, University of Minnesota), and other institutions were ranked by their individual campus totals (e.g., University of California, University of Wisconsin, University of Massachusetts). This created an inconsistent basis for institutional ranking that prompted numerous inquiries from the public as well as complaints from institutions being ranked at the campus level. As part of its overall survey redesign project, culminating in the launch of the FY 2010 HERD Survey, NSF decided to establish and apply more consistent criteria for defining the survey's reporting unit.

After NSF sought data user and respondent input, the consensus formed that it was more accurate and desirable to have campus-level data for all institutions and to aggregate to a higher level, if needed, rather than to obtain reports at a more aggregate level. After failing to identify any existing sources with a satisfactory operational definition of "reporting unit," NSF sought to establish its own specific definition for the HERD Survey reporting unit. The requirements were that it could be verified externally and applied consistently across all U.S. institutions. Thus, the decision was made to instruct institutions to report separately for each campus headed by a president or chancellor. Branch locations with no campus president or chancellor were to be combined with the campus responsible for oversight of that branch.

### **Identifying Reporting Units**

Prior to the FY 2010 survey, an investigation was done to identify the campuses included within all of the surveyed institutions. While building the frame for the FY 2010 HERD Survey and the FY 2010 HERD Short Form Survey (see appendix D for additional details), a list of all academic institutions in the United States and surrounding areas (Guam, Puerto Rico, and the U.S. Virgin Islands) that granted a bachelor's degree or higher was created. This list was reviewed to identify all geographically separate institution campuses, headed by a president or chancellor, that were part of an aggregated unit included in the FY 2009 Survey of R&D Expenditures at Universities and Colleges population. In addition, all institutions labeled as "all campuses" in the FY 2009 HERD Survey were investigated to see if that label was correct and to identify any campus that should report separately. Table C-1 shows all institution name changes between the FY 2009 and FY 2010 surveys. In most cases, institutions previously labeled as "all campuses" did not have more than one campus headed by a president or chancellor. Table C-1 also shows the separate campuses that were identified for 12 institutions that previously reported in the aggregate.[1]

### **FY 2010 HERD Collection**

Prior to fielding the FY 2010 survey, a letter announcing the upcoming launch of the new survey was sent to all institution senior administrators. The letter also announced the change in reporting level. Institutions identified by data collection staff as requiring a change to their reporting units were notified via e-mail of the change and asked to provide separate survey reports for all applicable campuses.

For data users wanting to compare HERD data across university systems by aggregating member campuses, table C-2 shows all higher education R&D expenditures in the FY 2010 population, by state, institutional control, system, and institution. Additionally, table C-3 ranks institutions by total R&D expenditures using the institutional aggregations used in the previous survey's detailed statistical tables.

## Appendix Tables

### Table **Reporting unit changes: FY 2010**

C-1 Institution name changes between FY 2009 and FY 2010 surveys

### **Higher education R&D expenditures: FY 2010**

C-2 by state, institutional control, system, and institution

C-3 ranked by all R&D expenditures, by source of funds (using FY 2009 institutional aggregations)

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## Note

[1] After the close of FY 2010 HERD data collection, additional campuses were identified that met our criteria for separate reporting but had not been reported separately on FY 2010 survey. R&D expenditures of University of Tennessee Institute of Agriculture (\$59 million) and University of Tennessee Health Science Center (\$82 million) were included in the University of Tennessee Knoxville's report for FY 2010 (\$292 million total). These campuses will be reported separately for FY 2011. Washington State University's campuses of Spokane, Tri-Cities, and Vancouver are each administered by chancellors but were included with Washington State University Pullman campus for FY 2010. Washington State University's accounting system is not able to identify expenditures by campus accurately, but the institution is expected to have this capability within the next few years. The respondent estimated that the vast majority of expenditures (96%) were for R&D conducted within Pullman and Spokane campuses, which share faculty and projects.

TABLE C-1. Institution name changes between FY 2009 Academic Research and Development Survey and FY 2010 Higher Education Research and Development Survey

Institution name in FY 2009 survey	Institution name in FY 2010 survey
Alfred U. all campuses	Alfred U.
Auburn U. all campuses	Multiple campuses Auburn U. main campus Auburn U. Montgomery
Bowling Green State U. all campuses	Bowling Green State U.
Brigham Young U. all campuses	Brigham Young U.
CA State Polytechnic U. San Luis Obispo	CA Polytechnic State U., San Luis Obispo
C. of William and Mary	C. of William and Mary and VA Institute of Marine Science
Concordia C. (Moorhead, MN)	Concordia C.
Cooper Union	Cooper Union, The
Cornell U. all campuses	Cornell U.
Fairleigh Dickinson U. all campuses	Fairleigh Dickinson U.
GA Institute of Technology all campuses	GA Institute of Technology
Hamilton C. (Clinton, NY)	Hamilton C.
IN State U. all campuses	IN State U.
IN U. all campuses	Multiple campuses IN U. Bloomington IN U. South Bend IN U. Southeast IN U.-Purdue U. Indianapolis
Indiana U. PA all campuses	Indiana U. PA
John Bastyr C. of Naturopathic Medicine	Bastyr U.
Kent State U. all campuses	Kent State U.
Lincoln U. (Lincoln University, PA)	Lincoln U. of the Commonwealth of PA
Long Island U. all campuses	Long Island U.
Mercer U. all campuses	Mercer U.
Miami U. all campuses	Miami U.
Midwestern U. (Chicago, IL)	Midwestern U. (Downers Grove, IL)
ND State U. all campuses	ND State U.
NM State U. main campus	NM State U.
NY Institute of Technology all campuses	NY Institute of Technology
OH State U. all campuses	OH State U.
OH U. all campuses	OH U.
OK State U. all campuses	Multiple campuses OK State U. main campus OK State U. Ctr. for Health Sciences OK State U. Institute of Technology OK State U. Tulsa
Pace U. all campuses	Pace U.
PA State U. all campuses	Multiple campuses PA State U. Altoona PA State U. Beaver PA State U. Berks PA State U. Erie, The Behrend C. PA State U. Great Valley School of Graduate Professional Studies PA State U. Harrisburg PA State U. University Park and Hershey Medical Ctr. PA State U. Worthington-Scranton
Purdue U. all campuses	Multiple campuses IN U.-Purdue U. Fort Wayne Purdue U. Calumet Purdue U. main campus Purdue U. North Central
Roger Williams U. Bristol	Roger Williams U.
Rutgers, The State U. NJ all campuses	Multiple campuses Rutgers, the State U. NJ-Camden Rutgers, the State U. NJ-New Brunswick



TABLE C-1. Institution name changes between FY 2009 Academic Research and Development Survey and FY 2010 Higher Education Research and Development Survey

Institution name in FY 2009 survey	Institution name in FY 2010 survey
	Rutgers, the State U. NJ-Newark
St. Francis U. (Loretto, PA)	St. Francis U.
St. Joseph's C. (North Windham, ME)	St. Joseph's C. (Standish, ME)
St. Louis U. all campuses	St. Louis U.
SUNY Buffalo all campuses	SUNY Buffalo
SUNY Stony Brook all campuses	SUNY Stony Brook
Syracuse U. all campuses	Syracuse U.
U. AK Anchorage all campuses	U. AK Anchorage
U. AK Fairbanks all campuses	U. AK Fairbanks
U. AK Southeast all campuses	U. AK Southeast
U. Akron all campuses	U. Akron
U. Cincinnati all campuses	U. Cincinnati
U. CT all campuses	U. CT
U. KS all campuses	U. KS
U. KY all campuses	U. KY
U. MI all campuses	Multiple campuses
	U. MI-Ann Arbor
	U. MI-Dearborn
	U. MI-Flint
U. MN all campuses	Multiple campuses
	U. MN Duluth
	U. MN Morris
	U. MN Rochester
	U. MN Twin Cities
U. MO-Rolla	MO U. of Science and Technology
U. MS	U. MS and U. MS Medical Center
U. ND all campuses	U. ND
U. NM main campus	U. NM
U. OK all campuses	U. OK
U. Pittsburgh all campuses	U. Pittsburgh main campus
U. SC all campuses	Multiple campuses
	U. SC Aiken
	U. SC Beaufort
	U. SC Columbia
	U. SC Upstate
U. South FL	Multiple campuses
	U. South FL
	U. South FL Polytechnic
	U. South FL Sarasota-Manatee
	U. South FL St. Petersburg
U. TN system office	U. TN Knoxville
U. VA all campuses	Multiple campuses
	U. VA
	U. VA's C. Wise, The
U. WA	Multiple campuses
	U. WA Bothell
	U. WA Seattle
	U. WA Tacoma
Wright State U. all campuses	Wright State U.

NOTE: In FY 2010 National Science Foundation began collecting separate reports from all institution campuses headed by a president or chancellor. In prior years, many institutions included data from several campuses in one report. Designation of "all campuses" has also been removed for all institutions in 2010 to help clarify reporting unit. Each institution's report includes all branches and locations performing R&D and reporting to named campus's president or chancellor.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey.

TABLE C-2. Higher education R&D expenditures, by state, institutional control, system, and institution:  
FY 2010

(Dollars in thousands)

State, institutional control, system, and institution	All R&D expenditures
Alabama	850,072
Public	834,491
AL A&M U.	30,497
AL State U.	16,340
Auburn U. System	145,466
Auburn U. main campus	145,115
Auburn U. Montgomery	351
Jacksonville State U.	398
U. AL System	606,290
U. AL, The	40,762
U. AL Birmingham, The	489,845
U. AL Huntsville, The	75,683
U. South AL	35,500
Private	15,581
Tuskegee U.	15,581
Alaska	180,888
Public (U. AK System)	180,454
U. AK Anchorage	16,709
U. AK Fairbanks	161,986
U. AK Southeast	1,759
Private	434
AK Pacific U.	434
Arizona	944,795
Public (AZ Board of Regents)	944,795
AZ State U.	329,345
Northern AZ U.	28,803
U. AZ	586,647
Arkansas	267,695
Public	267,039
AR State U. main campus	11,115
AR Tech U.	477
U. AR System	252,777
U. AR for Medical Sciences	119,518
U. AR Little Rock	11,007
U. AR main campus	113,909
U. AR Pine Bluff	8,343
U. Central AR	2,670
Private	656
Hendrix C.	656
California	7,830,745
Public	5,535,103
CA State U. System	320,242
CA Polytechnic State U., San Luis Obispo	19,732
CA State Polytechnic U., Pomona	6,493
CA State U., Bakersfield	2,083
CA State U., Chico	2,881
CA State U., Dominguez Hills	2,743
CA State U., East Bay	1,312
CA State U., Fresno	8,698

TABLE C-2. Higher education R&D expenditures, by state, institutional control, system, and institution:  
FY 2010

(Dollars in thousands)

State, institutional control, system, and institution	All R&D expenditures
CA State U., Fullerton	21,776
CA State U., Long Beach	15,494
CA State U., Los Angeles	7,714
CA State U., Monterey Bay	5,305
CA State U., Northridge	29,469
CA State U., Sacramento	15,207
CA State U., San Bernardino	1,851
CA State U., San Marcos	5,788
Humboldt State U.	9,845
San Diego State U.	99,137
San Francisco State U.	25,615
San Jose State U.	38,241
Sonoma State U.	858
U. CA System	5,111,351
U. CA Office of the President	72,542
U. CA, Berkeley	694,049
U. CA, Davis	679,915
U. CA, Irvine	327,594
U. CA, Los Angeles	936,995
U. CA, Merced	21,591
U. CA, Riverside	130,288
U. CA, San Diego	943,219
U. CA, San Francisco	935,509
U. CA, Santa Barbara	225,730
U. CA, Santa Cruz	143,919
Naval Postgraduate School	103,510
Private	2,295,642
CA Institute of Technology	362,172
Chapman U.	3,830
Charles R. Drew U. of Medicine and Science	22,152
Claremont Colleges, The	19,326
Claremont Graduate U.	7,116
Claremont McKenna C.	5,725
Harvey Mudd C.	3,214
Pitzer C.	347
Pomona C.	2,924
Fuller Theological Seminary	384
Loma Linda U.	35,990
Loyola Marymount U.	4,557
Mills C.	1,679
Mt. St. Mary's C. (Los Angeles, CA)	647
Occidental C.	2,289
Pepperdine U.	2,672
Santa Clara U.	3,816
Scripps Research Institute, The	387,298
Stanford U.	839,839
Touro U.-CA	1,600
U. Redlands	1,317
U. San Diego	2,934
U. San Francisco	2,124
U. Southern CA	592,791
U. of the Pacific	6,120

TABLE C-2. Higher education R&D expenditures, by state, institutional control, system, and institution:  
FY 2010

(Dollars in thousands)

State, institutional control, system, and institution	All R&D expenditures
Vanguard U. of Southern CA	319 i
Western U. of Health Sciences	1,786
Colorado	1,179,500
Public	1,163,081
CO School of Mines	44,879
CO State U. System	303,309
CO State U.	302,896
CO State U. Pueblo	413
Ft. Lewis C.	392
Mesa State C.	1,799
U.S. Air Force Academy	62,097
U. CO System	747,998
U. CO Boulder	349,449
U. CO Colorado Springs	9,088
U. CO Denver and Health Sciences Ctr.	389,461
U. Northern CO	2,607
Private	16,419
CO C.	671
U. Denver	15,748
Connecticut	888,949
Public	243,204
CT State U. System	4,616
Central CT State U.	776
Southern CT State U.	3,840
U.S. Coast Guard Academy	680
U. CT	237,908
Private	645,745
CT C.	1,532
Fairfield U.	9,294
Trinity C. (Hartford, CT)	1,875
U. Hartford	1,137
Wesleyan U.	8,397
Yale U.	623,510
Delaware	168,511
Public	168,511
DE State U.	15,200
U. DE	153,311
District of Columbia	470,217
Public (Board of Trustees of U. DC)	5,012
U. DC	5,012
Private	465,205
American U.	39,747
Catholic U. America, The	21,454
Gallaudet U.	7,652
George Washington U.	196,917
Georgetown U.	159,355
Howard U.	40,080

TABLE C-2. Higher education R&D expenditures, by state, institutional control, system, and institution:  
FY 2010

(Dollars in thousands)

State, institutional control, system, and institution	All R&D expenditures
Florida	2,005,395
Public (State University of Florida Board of Governors)	1,688,806
FL A&M U.	53,474
FL Atlantic U.	56,472
FL Gulf Coast U.	13,906
FL International U.	110,271
FL State U.	237,864
New C. FL	660
U. Central FL	117,985
U. FL	681,548
U. North FL	8,041
U. South FL System	390,828
U. South FL	385,029
U. South FL Polytechnic	642
U. South FL Sarasota-Manatee	732
U. South FL St. Petersburg	4,425
U. West FL	17,757
Private	316,589
Barry U.	897
Eckerd C.	327
Embry-Riddle Aeronautical U.	12,189
FL Institute of Technology	12,054
Jacksonville U.	335
Nova Southeastern U.	10,116
U. Miami	280,671
Georgia	1,626,783
Public (University System of Georgia Board of Regents)	1,018,210
Albany State U.	740
Armstrong Atlantic State U.	2,681
Ft. Valley State U.	5,310
GA Institute of Technology	615,833
GA Southern U.	3,704
GA State U.	81,015
Kennesaw State U.	1,854
Medical C. GA	72,015
North GA C. & State U.	197
Savannah State U.	1,874
Southern Polytechnic State U.	435
U. GA	230,803
U. West GA	1,749
Private	608,573
Agnes Scott C.	1,884
Clark Atlanta U.	8,515
Emory U.	529,453
Mercer U.	27,298
Morehouse C.	7,857
Morehouse School of Medicine	30,385
Spelman C.	3,181
Hawaii	317,942
Public (U. HI System)	317,942
U. HI Hilo	14,857

TABLE C-2. Higher education R&D expenditures, by state, institutional control, system, and institution:  
FY 2010

(Dollars in thousands)

State, institutional control, system, and institution	All R&D expenditures
U. HI Manoa	303,085
Idaho	126,433
Public	126,433
Boise State U.	18,731
ID State U.	20,495
U. ID	87,207
Illinois	2,253,068
Public	1,032,827
Chicago State U.	1,598
Eastern IL U.	751
Governors State U.	1,220
IL State U.	18,417
Northeastern IL U.	711
Northern IL U.	27,036
Southern IL U. System	101,705
Southern IL U. Carbondale	69,924
Southern IL U. Edwardsville	31,781
U. IL System	880,168
U. IL Chicago	362,939
U. IL Springfield	2,096
U. IL Urbana-Champaign	515,133
Western IL U.	1,221
Private	1,220,241
Augustana C. (Rock Island, IL)	465
Benedictine U.	186
Bradley U.	1,151
DePaul U.	4,889
IL Institute of Technology	36,554
IL Wesleyan U.	707
Lake Forest C.	533
Loyola U. Chicago	43,903
Midwestern U. (Downers Grove, IL)	3,626
National U. of Health Sciences	950
Northwestern U.	603,732
Rosalind Franklin U. of Medicine and Science	12,426
Rush U.	73,398
U. Chicago	437,721
Indiana	1,186,421
Public	1,070,076
Ball State U.	20,477
IN State U.	1,541
IN U.	475,192
IN U. Bloomington	177,520
IN U. South Bend	1,070
IN U. Southeast	408
IN U.-Purdue U. Indianapolis	296,194
Purdue U.	572,866
IN U.-Purdue U. Ft. Wayne	8,523
Purdue U. Calumet	14,014
Purdue U. main campus	548,980
Purdue U. North Central	1,349

TABLE C-2. Higher education R&D expenditures, by state, institutional control, system, and institution:  
FY 2010

(Dollars in thousands)

State, institutional control, system, and institution	All R&D expenditures
Private	116,345
DePauw U.	503
Rose-Hulman Institute of Technology	1,482
U. of Notre Dame	110,369
Valparaiso U.	791
Wabash C.	3,200
Iowa	706,667
Public (Iowa Board of Regents)	697,218
IA State U.	250,120
U. IA	444,034
U. Northern IA	3,064
Private	9,449
Coe C.	457
Des Moines U.	855
Drake U.	1,033
Grinnell C.	2,069
Luther C.	342
Palmer C. of Chiropractic	4,693
Kansas	482,901
Public	482,901
Haskell Indian Nations U.	978
Kansas Board of Regents	481,923
KS State U.	160,679
Pittsburg State U.	1,759
U. KS	267,961
Wichita State U.	51,524
Kentucky	575,277
Public (Kentucky Council on Postsecondary Education)	575,277
Eastern KY U.	3,531
KY State U.	4,912
Morehead State U.	2,145
Murray State U.	3,396
Northern KY U.	2,316
U. KY	359,944
U. Louisville	189,090
Western KY U.	9,943
Louisiana	713,675
Public (State of Louisiana Board of Regents)	531,113
Grambling State U.	993
LA State U. System	381,824
LA State U. and A&M C.	289,872
LA State U. Health Sciences Ctr. New Orleans	59,776
LA State U. Medical Ctr. Shreveport	30,817
LA State U. Shreveport	1,359
Nicholls State U.	2,590
Southern U. System	7,267
Southern U. Baton Rouge	6,865
Southern U. New Orleans	402
U. LA System	138,439
LA Tech U.	26,020

TABLE C-2. Higher education R&D expenditures, by state, institutional control, system, and institution:  
FY 2010

(Dollars in thousands)

State, institutional control, system, and institution	All R&D expenditures
McNeese State U.	1,077
Northwestern State U.	1,464
Southeastern LA U.	2,561
U. LA Lafayette	69,412
U. LA Monroe	2,884
U. New Orleans	35,021
Private	182,562
Dillard U.	8,425
Loyola U. New Orleans	595
Tulane U.	165,513
Xavier U. LA	8,029
Maine	137,516
Public (U. ME System)	127,640
U. ME	111,282
U. Southern ME	16,358
Private	9,876
Bates C.	1,590
Bowdoin C.	2,627
Colby C.	1,782
St. Joseph's C. (Standish, ME)	317
U. New England	3,560
Maryland	3,139,254
Public	1,133,639
Morgan State U.	12,804
St. Mary's C. MD	342
Uniformed Services U. of the Health Sciences	134,126
U.S. Naval Academy	11,093
U. System of MD	975,274
Frostburg State U.	521
Salisbury U.	3,503
Towson U.	3,052
U. Baltimore	4,229
U. MD Baltimore	374,036
U. MD Baltimore County	87,156
U. MD Ctr. for Environmental Science	42,670
U. MD College Park	451,415
U. MD Eastern Shore	8,692
Private	2,005,615
Goucher C.	485
Johns Hopkins U., The <sup>a</sup>	2,004,482
Loyola C.	648
Massachusetts	2,749,928
Public (MA System of Public Higher Education)	543,429
Bridgewater State C.	587
Fitchburg State C.	174
U. MA System	542,668
U. MA Amherst	169,143
U. MA Boston	56,416
U. MA Dartmouth	25,725
U. MA Lowell	59,345



TABLE C-2. Higher education R&D expenditures, by state, institutional control, system, and institution:  
FY 2010

(Dollars in thousands)

State, institutional control, system, and institution	All R&D expenditures
U. MA Worcester	232,039
Private	2,206,499
Amherst C.	3,628
Boston C.	50,537
Boston U.	352,817
Brandeis U.	71,006
Clark U.	7,111
C. of the Holy Cross	1,275
Hampshire C.	569
Harvard U.	583,361
MA C. of Pharmacy and Health Sciences	232
MA Institute of Technology	677,138
Mt. Holyoke C.	2,788
New England C. of Optometry	1,457
Northeastern U.	79,949
Simmons C.	440
Smith C.	4,613
Tufts U.	156,106
Wellesley C.	8,422
Williams C.	4,691
Woods Hole Oceanographic Institution	181,746
Worcester Polytechnic Institute	18,613
Michigan	2,031,479
Public	2,008,943
Central MI U.	7,483
Eastern MI U.	14,133
Grand Valley State U.	5,044
MI State U.	431,373
MI Technological U.	63,471
Northern MI U.	910
Oakland U.	12,856
Saginaw Valley State U.	873
U. MI	1,191,917
U. MI-Ann Arbor	1,184,445
U. MI-Dearborn	6,779
U. MI-Flint	693
Wayne State U.	254,492
Western MI U.	26,391
Private	22,536
Andrews U.	1,195
Calvin C.	5,010
Hope C.	3,596
Kalamazoo C.	755
Kettering U.	6,880
Lawrence Technological U.	3,952
U. Detroit Mercy	1,148
Minnesota	831,754
Public	816,540
Minnesota State Colleges and Universities System	8,396
MN State U. Mankato	3,837
St. Cloud State U.	4,184

TABLE C-2. Higher education R&D expenditures, by state, institutional control, system, and institution:  
FY 2010

(Dollars in thousands)

State, institutional control, system, and institution	All R&D expenditures
Winona State U.	375
U. MN	808,144
U. MN Duluth	21,150
U. MN Morris	672
U. MN Rochester	248
U. MN Twin Cities	786,074
Private	15,214
Carleton C.	4,575
Concordia C.	617
Gustavus Adolphus C.	310
Macalester C.	4,389
Northwestern Health Sciences U.	1,779
St. John's U. (Collegeville, MN)	640
St. Olaf C.	1,574
U. of St. Thomas (St. Paul, MN)	1,330
Mississippi	443,625
Public (Mississippi State Institutions of Higher Learning)	439,925
Alcorn State U.	10,280
Jackson State U.	44,862
MS State U.	231,675
MS Valley State U.	1,029
U. MS and U. MS Medical Ctr.	110,020
U. Southern MS	42,059
Private	3,700
Millsaps C.	722
Tougaloo C.	2,978
Missouri	1,087,432
Public (Missouri Department of Higher Education)	342,681
Lincoln U. (Jefferson City, MO)	8,475
MO State U.	7,770
Truman State U.	882
U. MO System	325,554
MO U. of Science and Technology	42,263
U. MO-Columbia	238,500
U. MO-Kansas City	30,163
U. MO-St. Louis	14,628
Private	744,751
A. T. Still U. of Health Sciences	1,253
Kansas City U. of Medicine and Biosciences	685
St. Louis U.	46,839
Washington U. St. Louis	695,974
Montana	207,827
Public (Montana University System)	206,947
MT State U.	135,682
MT State U. Billings	598
MT State U. Bozeman	135,084
U. MT	71,265
MT Tech of the U. MT	7,424
U. MT-Missoula, The	63,540
U. MT Western, The	301

TABLE C-2. Higher education R&D expenditures, by state, institutional control, system, and institution:  
FY 2010

(Dollars in thousands)

State, institutional control, system, and institution	All R&D expenditures
Private	880
Salish Kootenai C.	880
Nebraska	367,793
Public	340,093
U. NE System	340,093
U. NE Kearney	1,655
U. NE-Lincoln	191,268
U. NE Medical Ctr.	138,219
U. NE Omaha	8,951
Private	27,700
Creighton U.	27,700
Nevada	174,247
Public (Nevada System of Higher Education)	174,247
Desert Research Institute	34,367
U. NV, Las Vegas	44,457
U. NV, Reno	95,423
New Hampshire	310,956
Public (University System of New Hampshire)	116,815
Plymouth State U.	1,253
U. NH	115,562
Private	194,141
Dartmouth C.	194,141
New Jersey	1,079,319
Public	793,082
C. NJ, The	850
Montclair State U.	2,255
NJ City U.	188
NJ Institute of Technology	92,318
Rowan U.	6,434
Rutgers, the State U. NJ	459,751
Rutgers, the State U. NJ-Camden	3,574
Rutgers, the State U. NJ-New Brunswick	428,432
Rutgers, the State U. NJ-Newark	27,745
U. of Medicine & Dentistry NJ	230,235
William Paterson U. NJ	1,051
Private	286,237
Fairleigh Dickinson U.	254
Monmouth U.	2,195
Princeton U.	242,570
Rider U.	1,671
Seton Hall U.	4,003
Stevens Institute of Technology	35,544
New Mexico	422,868
Public (New Mexico Higher Education Department)	422,868
NM Highlands U.	1,529
NM Institute of Mining and Technology	51,696
NM State U.	157,872
U. NM	211,771

TABLE C-2. Higher education R&D expenditures, by state, institutional control, system, and institution:  
FY 2010

(Dollars in thousands)

State, institutional control, system, and institution	All R&D expenditures
New York	4,950,993
Public	1,264,447
CUNY System	137,142
CUNY Baruch C.	2,616
CUNY Brooklyn C.	6,846
CUNY C. Staten Island	3,290
CUNY Graduate Ctr.	11,562
CUNY Herbert H. Lehman C.	3,579 i
CUNY Hunter C.	38,900
CUNY John Jay C. of Criminal Justice	5,916
CUNY Medgar Evers C.	658
CUNY New York City C. of Technology	231
CUNY Queens C.	16,845
CUNY The City C.	46,699
SUNY System	1,105,134
Farmingdale State C.	253
SUNY Albany	359,364
SUNY Binghamton	72,057
SUNY Buffalo	349,670
SUNY C. Brockport	831
SUNY C. Buffalo	1,935
SUNY C. Cortland	527
SUNY C. Geneseo	1,373
SUNY C. of A&T Cobleskill	1,414
SUNY C. of A&T Morrisville	233
SUNY C. of Environmental Science and Forestry	26,916
SUNY C. of Optometry	3,529
SUNY C. Old Westbury	1,197 i
SUNY C. Oneonta	336
SUNY C. Oswego	783
SUNY C. Plattsburgh	1,664
SUNY C. Potsdam	511
SUNY Fredonia	513
SUNY Health Science Ctr. Brooklyn	32,512
SUNY Institute of Technology at Utica-Rome	713
SUNY New Paltz	251
SUNY Stony Brook	204,728
SUNY Upstate Medical U.	43,824
U.S. Military Academy	22,171
Private	3,686,546
Adelphi U.	360
Albany C. of Pharmacy	3,074
Albany Medical C.	22,953
Alfred U.	4,524
Barnard C.	3,353
Canisius C.	221
Clarkson U.	18,584
Colgate U.	2,851
Columbia U. in the City of New York	807,235
Cooper Union, The	371

TABLE C-2. Higher education R&D expenditures, by state, institutional control, system, and institution:  
FY 2010

(Dollars in thousands)

State, institutional control, system, and institution	All R&D expenditures
Cornell U.	749,721
Daemen C.	1,613
Dowling C.	200
Fordham U.	19,289
Hamilton C.	3,192
Hobart and William Smith Colleges	1,434
Hofstra U.	2,552
Ithaca C.	1,077
Long Island U.	3,406
Manhattan C.	498
Marist C.	671
Mercy C.	464
Mt. Sinai School of Medicine	370,666
New School, The	5,178
NY Institute of Technology	1,785
NY Medical C.	28,400
NY U.	365,944
Niagara U.	1,090
Pace U.	3,085
Polytechnic U.	10,601
Rensselaer Polytechnic Institute	83,952
Rochester Institute of Technology	38,663
Rockefeller U.	265,750
Sarah Lawrence C.	158
Siena C.	1,061
Skidmore C.	2,850
St. Bonaventure U.	1,727
St. John's U. (Jamaica, NY)	1,643
Syracuse U.	107,024
Teachers C., Columbia U.	17,167
Union C. (Schenectady, NY)	1,984
U. Rochester	414,655
Vassar C.	1,280
Yeshiva U.	314,240
North Carolina	2,465,844
Public (U. NC)	1,285,428
Appalachian State U.	2,898
East Carolina U.	23,995
Elizabeth City State U.	5,576
Fayetteville State U.	11,865
NC Agricultural and Technical State U.	35,297
NC Central U.	6,870
NC State U.	360,795
U. NC Asheville	2,671
U. NC Chapel Hill	755,284
U. NC Charlotte	31,814
U. NC Greensboro	22,436
U. NC Pembroke	408
U. NC Wilmington	23,143
Western Carolina U.	2,376
Private	1,180,416
Davidson C.	1,493

TABLE C-2. Higher education R&D expenditures, by state, institutional control, system, and institution:  
FY 2010

(Dollars in thousands)

State, institutional control, system, and institution	All R&D expenditures
Duke U.	983,289
Shaw U.	3,600 i
Wake Forest U.	192,034
North Dakota	204,049
Public (ND U. System)	204,049
Mayville State U.	275
Minot State U.	795
ND State U.	126,419
U. ND	76,560
Ohio	2,051,843
Public (U. System of OH Board of Regents)	1,533,806
Air Force Institute of Technology	31,259
Bowling Green State U.	8,124
Central State U.	3,233
Cleveland State U.	34,235
Kent State U.	26,331
Miami U.	26,521
Northeastern OH Universities C. of Medicine	10,819
OH State U.	755,194
OH U.	50,440
U. Akron	52,884
U. Cincinnati	411,269
U. Toledo	70,399
Wright State U.	48,575
Youngstown State U.	4,523
Private	518,037
Case Western Reserve U.	418,164
C. Wooster	988
Denison U.	620 i
John Carroll U.	1,154
Kenyon C.	414
Oberlin C.	1,985
OH Northern U.	308
OH Wesleyan U.	335
U. Dayton	93,309
Wilberforce U.	760
Oklahoma	400,810
Public (OK State System of Higher Education)	377,423
OK Agricultural and Mechanical Colleges	156,928
Langston U.	4,492
Northeastern State U.	707
OK State U. Ctr. for Health Sciences	4,398
OK State U. Institute of Technology	79
OK State U. main campus	147,094
OK State U. Tulsa	158
Regional University System of Oklahoma	1,978
Southeastern OK State U.	192
U. Central OK	1,786
Southwestern OK State U.	428
U. OK	218,089

TABLE C-2. Higher education R&D expenditures, by state, institutional control, system, and institution:  
FY 2010

(Dollars in thousands)

State, institutional control, system, and institution	All R&D expenditures
Private	23,387
U. Tulsa	23,387
Oregon	696,272
Public (Oregon University System)	685,506
Eastern OR U.	200
OR Health & Science U.	314,990
OR State U.	216,595
Portland State U.	56,533
Southern OR U.	826
U. OR	94,107
Western OR U.	2,255
Private	10,766
Lewis & Clark C.	2,753
Pacific U.	1,849
Reed C.	1,904
U. Portland	1,205
Western States Chiropractic C.	996
Willamette U.	2,059
Pennsylvania	3,127,255
Public	1,732,669
Lincoln U. of the Commonwealth of PA	1,425
Pennsylvania State System of Higher Education	5,676
Cheyney U. PA	725
Indiana U. PA	1,376
Millersville U. PA	523
West Chester U. PA	3,052
PA State U.	778,549
PA State U. Altoona	671
PA State U. Beaver	848
PA State U. Berks	155
PA State U. Erie, The Behrend C.	3,265
PA State U. Great Valley School of Graduate Professional Studies	275
PA State U. Harrisburg	2,734
PA State U. University Park and Hershey Medical Ctr.	770,449
PA State U. Worthington-Scranton	152
Temple U.	124,528
U. Pittsburgh main campus	822,491
Private	1,394,586
Allegheny C.	505
Arcadia U.	1,649
Bryn Mawr C.	7,476
Bucknell U.	5,456
Carnegie Mellon U.	222,790
Dickinson C.	2,109
Drexel U.	118,349
Duquesne U.	15,804
Elizabethtown C.	514
Franklin & Marshall C.	3,770
Gettysburg C.	814
Haverford C.	3,620
Juniata C.	511

TABLE C-2. Higher education R&D expenditures, by state, institutional control, system, and institution:  
FY 2010

(Dollars in thousands)

State, institutional control, system, and institution	All R&D expenditures
La Salle U.	1,298
Lafayette C.	2,089
Lehigh U.	37,332
Mercyhurst C.	2,040
Muhlenberg C.	488
Philadelphia C. of Osteopathic Medicine	1,278
Philadelphia U.	1,200
Salus U.	1,359
St. Francis U.	2,923
St. Joseph's U.	2,918
Swarthmore C.	2,984
Thomas Jefferson U.	103,064
U. PA	836,322
U. Scranton	240
U. of the Sciences Philadelphia	1,964
Ursinus C.	540
Villanova U.	11,433
Washington and Jefferson C.	1,327
Wilkes U.	420
<b>Rhode Island</b>	<b>428,738</b>
Public (Rhode Island Board of Governors for Higher Education)	90,016
U. RI	90,016
Private	338,722
Brown U.	335,838
Providence C.	917
Roger Williams U.	1,967
<b>South Carolina</b>	<b>660,415</b>
Public	653,319
Clemson U.	174,693
Coastal Carolina U.	2,404
C. Charleston	14,218
Medical U. SC	224,632
SC State U.	7,167
U. SC	230,205
U. SC Aiken	337
U. SC Beaufort	462
U. SC Columbia	229,145
U. SC Upstate	261
Private	7,096
Benedict C.	1,533
Clafin U.	3,252
Furman U.	2,311
<b>South Dakota</b>	<b>131,165</b>
Public (South Dakota Board of Regents)	129,623
Black Hills State U.	2,883
SD School of Mines and Technology	28,572
SD State U.	67,552
U. SD	30,616
Private	1,542
Augustana C. (Sioux Falls, SD)	912



TABLE C-2. Higher education R&D expenditures, by state, institutional control, system, and institution:  
FY 2010

(Dollars in thousands)

State, institutional control, system, and institution	All R&D expenditures
Sinte Gleska U.	630
Tennessee	938,237
Public	397,065
Tennessee Board of Regents System	93,365
East TN State U.	9,869
Middle TN State U.	4,793
TN State U.	12,432
TN Technological U.	16,754
U. Memphis, The	49,517
U. TN System	303,700
U. TN Chattanooga	10,749
U. TN Knoxville	291,787
U. TN Martin	1,164
Private	541,172
Fisk U.	7,700
Le Moyne-Owen C.	708
Meharry Medical C.	27,001
Rhodes C.	804
Vanderbilt U.	504,959
Texas	4,417,547
Public	3,832,630
Midwestern State U.	348
Stephen F. Austin State U.	9,127
TX A&M U. System	842,888
Prairie View A&M U.	12,565
Tarleton State U.	10,763
TX A&M International U.	2,428
TX A&M U.	689,624
TX A&M U.-Commerce	2,679
TX A&M U.-Corpus Christi	17,266
TX A&M U.-Kingsville	17,378
TX A&M U. System Health Science Ctr.	82,839
West TX A&M U.	7,346
TX Southern U.	7,003
TX State U. System	46,983
Lamar U.	5,829
Sam Houston State U.	7,555
Sul Ross State U.	3,039
TX State U.-San Marcos	30,560
TX Tech U. System	185,730
Angelo State U.	1,088
TX Tech U.	133,360
TX Tech U. Health Sciences Ctr.	51,282
TX Woman's U.	2,271
U. Houston System	122,103
U. Houston	119,811
U. Houston-Clear Lake	1,279
U. Houston-Downtown	1,013
U. North TX System	70,358
U. North TX	31,496
U. North TX Health Science Ctr.	38,862

TABLE C-2. Higher education R&D expenditures, by state, institutional control, system, and institution:  
FY 2010

(Dollars in thousands)

State, institutional control, system, and institution	All R&D expenditures
U. TX System	2,545,819
U. TX Arlington	71,414
U. TX Austin	589,502
U. TX Brownsville	6,886
U. TX Dallas	82,044
U. TX El Paso	68,870
U. TX Health Science Ctr. Houston	240,772
U. TX Health Science Ctr. San Antonio	207,115
U. TX M. D. Anderson Cancer Ctr.	599,529
U. TX Medical Branch	188,399
U. TX of the Permian Basin	1,417
U. TX Pan American	8,693
U. TX San Antonio	56,279
U. TX Southwestern Medical Ctr. Dallas	419,220
U. TX Tyler	5,679
Private	584,917
Abilene Christian U.	662
Baylor C. of Medicine	447,874
Baylor U.	10,925
Jarvis Christian C.	216
LeTourneau U.	773
Rice U.	97,903
Southern Methodist U.	18,742
St. Mary's U. (San Antonio, TX)	495
TX Christian U.	5,306
Trinity U.	1,446
Wiley C.	575
Utah	562,349
Public (Utah System of Higher Education)	529,352
U. UT	379,200
UT State U.	149,169
Weber State U.	983
Private	32,997
Brigham Young U.	32,997
Vermont	132,792
Public	129,856
U. VT	129,856
Private	2,936
Middlebury C.	2,292
St. Michael's C.	644
Virginia	1,199,756
Public	1,134,511
Christopher Newport U.	1,110
C. of William and Mary and VA Institute of Marine Science	57,461
George Mason U.	84,120
James Madison U.	7,038
Norfolk State U.	5,944
Old Dominion U.	97,176
Radford U.	680
U. VA	276,308

TABLE C-2. Higher education R&D expenditures, by state, institutional control, system, and institution:  
FY 2010

(Dollars in thousands)

State, institutional control, system, and institution	All R&D expenditures
U. VA's C. Wise, The	481
VA Commonwealth U.	197,709
VA Military Institute	849
VA Polytechnic Institute and State U.	398,169
VA State U.	7,466
Private	65,245
Eastern VA Medical School	44,420
Hampton U.	14,455
Roanoke C.	1,379 i
U. Richmond	4,052
Washington and Lee U.	939
Washington	1,357,983
Public	1,348,492
Central WA U.	5,159
Eastern WA U.	3,266
Evergreen State C.	902
U. WA	1,024,242
U. WA Bothell	630
U. WA Seattle	1,022,740
U. WA Tacoma	872
WA State U.	304,352
Western WA U.	10,571
Private	9,491
Bastyr U.	1,572
Gonzaga U.	1,249
Northwest Indian C.	2,426
Pacific Lutheran U.	425
Seattle Pacific U.	684
Seattle U.	1,259 i
U. Puget Sound	461
Whitman C.	1,415
West Virginia	194,834
Public	185,436
Marshall U.	24,501
West Liberty State C.	1,645
WV School of Osteopathic Medicine	594
WV State U.	3,770
WV U.	154,926
Private	9,398
Wheeling Jesuit U.	9,398
Wisconsin	1,335,621
Public (University of Wisconsin System)	1,124,767
U. WI-Eau Claire	1,950
U. WI-Green Bay	1,219
U. WI-La Crosse	4,141
U. WI-Madison	1,029,295
U. WI-Milwaukee	71,181
U. WI-Oshkosh	1,556
U. WI-Parkside	541
U. WI-Platteville	681

TABLE C-2. Higher education R&D expenditures, by state, institutional control, system, and institution:  
FY 2010

(Dollars in thousands)

State, institutional control, system, and institution	All R&D expenditures
U. WI-River Falls	441
U. WI-Stevens Point	6,766
U. WI-Stout	388
U. WI-Superior	5,890
U. WI-Whitewater	718
Private	210,854
Lawrence U.	784
Marquette U.	14,310
Medical C. WI	191,816
Milwaukee School of Engineering	3,944
Wyoming	55,319
Public (Department of Education)	55,319
U. WY	55,319
Guam	5,555
Public (University of Guam Board of Regents)	5,555
U. GU	5,555
Puerto Rico	125,313
Public (Council of Higher Education of Puerto Rico)	99,212
U. PR Cayey	927
U. PR Humacao	2,161 i
U. PR Mayaguez	26,475
U. PR Medical Sciences Campus	39,134
U. PR Rio Piedras	30,515
Private	26,101
Ana G. Mendez U. System	9,880
Universidad del Este	1,372
Universidad del Turabo	6,620
Universidad Metropolitana	1,888
Carlos Albizu U. (San Juan, PR)	165
Ponce School of Medicine	8,934
Universidad Central del Caribe	7,122
Virgin Islands	32,350
Public	32,350
U. of the VI	32,350

i = imputed.

<sup>a</sup> The Johns Hopkins University includes Applied Physics Laboratory, with \$1,079,931 in total R&D expenditures in FY 2010.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

TABLE C-3. Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2010 (using FY 2009 institutional aggregations)

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
	All institutions	61,234,972	37,487,745	3,853,598	3,209,441	3,764,291	11,897,227	1,022,670
1	Johns Hopkins U., The <sup>a</sup>	2,004,482	1,737,261	10,346	67,600	90,648	77,460	21,167
2	U. MI all campuses	1,191,917	750,937	4,285	39,347	47,730	341,060	8,558
3	U. WI-Madison	1,029,295	545,189	96,605	11,594	131,364	208,479	36,064
4	U. WA all campuses	1,024,242	830,904	23,393	92,111	NA	43,549	34,285
5	Duke U.	983,289	514,084	27,356	234,361	90,146	113,351	3,991
6	U. CA, San Diego	943,219	580,279	34,566	67,601	102,356	111,160	47,257
7	U. CA, Los Angeles	936,995	538,521	26,341	54,216	91,173	156,331	70,413
8	U. CA, San Francisco	935,509	514,693	28,189	50,979	128,827	136,560	76,261
9	Stanford U.	839,839	593,016	23,391	61,127	80,769	79,178	2,358
10	U. PA	836,322	642,180	34,390	39,032	60,436	60,112	172
11	U. Pittsburgh main campus	822,491	594,675	12,088	10,135	22,035	183,558	0
12	U. MN all campuses	808,144	433,048	69,179	29,394	70,094	186,214	20,215
13	Columbia U. in the City of New York	807,235	572,213	12,336	35,548	66,681	95,487	24,970
14	PA State U. all campuses	778,549	467,808	65,299	64,725	38,555	140,795	1,367
15	U. NC Chapel Hill	755,284	545,993	9,727	26,052	56,847	116,665	0
16	OH State U.	755,194	399,942	106,213	120,101	29,209	83,390	16,339
17	Cornell U.	749,721	448,085	66,521	22,869	71,327	139,150	1,769
18	U. CO all campuses	747,998	583,855	27,879	39,387	46,256	47,096	3,525
19	Washington U. St. Louis	695,974	468,642	19,218	36,777	46,312	90,209	34,816
20	U. CA, Berkeley	694,049	312,789	68,340	85,538	86,953	120,560	19,869
21	TX A&M U.	689,624	288,173	139,411	46,754	18,027	191,115	6,144
22	U. FL	681,548	279,649	98,597	23,426	19,754	251,640	8,482
23	U. CA, Davis	679,915	332,325	60,102	37,159	86,953	160,255	3,121
24	MA Institute of Technology	677,138	457,575	415	102,882	68,919	12,484	34,863
25	Yale U.	623,510	475,794	7,248	19,052	38,624	69,260	13,532
26	GA Institute of Technology	615,833	372,122	10,470	45,672	11,541	170,900	5,128
27	Northwestern U.	603,732	379,648	4,331	13,121	53,190	153,442	NA
28	U. TX M. D. Anderson Cancer Ctr.	599,529	206,664	176,806	50,712	81,656	83,691	0
29	U. Southern CA	592,791	408,564	10,088	44,620	32,659	96,860	0
30	U. TX Austin	589,502	350,308	24,389	56,448	37,423	116,583	4,351
31	U. AZ	586,647	308,157	31,656	19,618	23,975	176,331	26,910
32	Harvard U.	583,361	474,899	2,902	24,135	72,974	0	8,451
33	Purdue U. all campuses	572,866	241,127	61,420	32,022	40,315	196,683	1,299
34	Emory U.	529,453	336,986	331	16,363	45,117	128,793	1,863
35	U. IL Urbana-Champaign	515,133	303,852	30,395	13,661	703	133,148	33,374
36	Vanderbilt U.	504,959	397,656	954	10,186	22,366	68,598	5,199
37	U. AL Birmingham, The	489,845	325,103	760	22,660	26,565	114,757	0
38	IN U. all campuses	475,192	220,174	5,543	22,499	65,659	161,317	0
39	Rutgers, the State U. NJ all campuses	459,751	239,526	80,970	11,437	21,160	91,900	14,758
40	U. MD College Park	451,415	297,896	16,483	9,118	3,672	117,916	6,330
41	Baylor C. of Medicine	447,874	284,072	2,491	14,213	36,132	88,150	22,816
42	U. IA	444,034	282,465	6,004	15,670	21,767	117,704	424
43	U. Chicago	437,721	352,728	297	19,273	27,523	35,371	2,529
44	MI State U.	431,373	214,134	47,797	3,717	12,817	140,931	11,977
45	U. TX Southwestern Medical Ctr. Dallas	419,220	232,027	49,817	19,616	44,843	42,634	30,283

TABLE C-3. Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2010 (using FY 2009 institutional aggregations)

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
46	Case Western Reserve U.	418,164	333,689	9,261	6,627	17,536	50,292	759
47	LA State U. all campuses	416,845	177,532	82,477	20,891	13,788	117,709	4,448
48	U. Rochester	414,655	322,048	8,993	20,266	12,038	43,308	8,002
49	U. Cincinnati	411,269	262,513	7,419	18,410	24,194	98,733	0
50	VA Polytechnic Institute and State U.	398,169	162,566	97,409	21,256	18,507	95,925	2,506
51	U. South FL all campuses	390,828	246,016	32,562	13,884	13,103	83,905	1,358
52	Scripps Research Institute, The	387,298	313,746	7,686	19,079	16,603	30,184	NA
53	U. UT	379,200	227,021	1,422	18,060	18,108	113,847	742
54	U. MD Baltimore	374,036	208,246	23,789	17,095	39,357	85,409	140
55	Mt. Sinai School of Medicine	370,666	302,770	7,597	17,230	41,562	917	590
56	NY U.	365,944	260,463	4,317	7,585	23,703	57,023	12,853
57	U. IL Chicago	362,939	232,380	9,216	5,975	23,804	91,564	0
58	CA Institute of Technology	362,172	328,522	1,347	8,138	17,513	3,706	2,946
59	NC State U.	360,795	139,096	98,382	37,097	4,431	81,667	122
60	U. KY	359,944	171,528	41,482	12,157	10,108	124,669	0
61	SUNY Albany	359,364	124,324	77,690	74,099	17,910	60,760	4,581
62	Boston U.	352,817	302,411	1,106	8,528	18,192	22,580	0
63	SUNY Buffalo	349,670	167,099	21,387	20,347	28,131	95,444	17,262
64	U. NE all campuses	340,093	183,156	12,114	15,715	28,240	99,253	1,615
65	Brown U.	335,838	127,087	1,302	1,730	20,620	184,440	659
66	AZ State U.	329,345	172,202	23,198	11,734	28,174	91,895	2,142
67	U. CA, Irvine	327,594	194,559	15,879	22,399	33,471	48,057	13,229
68	OR Health & Science U.	314,990	247,054	1,061	13,939	22,719	29,964	253
69	Yeshiva U.	314,240	163,399	54,093	2,508	14,762	69,649	9,829
70	WA State U.	304,352	113,452	54,698	9,369	11,821	111,895	3,117
71	U. TN all campuses	303,700	167,017	49,894	18,215	10,065	58,509	0
72	U. HI Manoa	303,085	196,275	22,203	23,968	7,936	44,685	8,018
73	CO State U.	302,896	211,297	16,504	10,190	15,775	42,142	6,988
74	U. Miami	280,671	197,824	6,425	23,704	18,914	21,981	11,823
75	U. VA all campuses	276,789	228,993	792	6,491	11,469	26,032	3,012
76	U. KS	267,961	147,598	7,641	6,936	10,764	93,396	1,626
77	Rockefeller U.	265,750	88,705	1,761	3,344	19,161	151,249	1,530
78	Wayne State U.	254,492	132,166	5,132	6,647	9,385	94,819	6,343
79	IA State U.	250,120	109,461	43,728	15,686	6,730	73,484	1,031
80	Princeton U.	242,570	150,261	1,227	9,067	12,194	65,744	4,077
81	U. TX Health Science Ctr. Houston	240,772	150,324	43,544	9,112	26,213	11,579	0
82	U. MO-Columbia	238,500	116,965	3,285	7,131	8,334	101,562	1,223
83	U. CT	237,908	132,169	10,472	9,139	18,014	67,987	127
84	FL State U.	237,864	134,794	19,135	940	5,577	77,418	0
85	U. MA Worcester	232,039	178,293	1,506	14,198	14,524	23,518	0
86	MS State U.	231,675	106,324	72,701	7,859	217	44,415	159
87	U. GA	230,803	118,862	32,852	13,124	16,498	49,467	0
88	U. of Medicine & Dentistry NJ	230,235	123,399	12,853	14,520	25,520	53,943	0
89	U. SC all campuses	230,205	125,976	2,186	6,609	16,646	78,788	0
90	U. CA, Santa Barbara	225,730	129,457	5,223	16,967	28,506	36,561	9,016
91	Medical U. SC	224,632	131,650	338	13,087	6,322	72,042	1,193
92	Carnegie Mellon U.	222,790	179,386	2,986	19,204	4,150	13,437	3,627
93	U. OK	218,089	105,366	19,745	14,156	8,396	61,572	8,854
94	OR State U.	216,595	135,886	36,188	5,869	1,906	23,339	13,407
95	U. NM	211,771	148,216	5,601	3,776	3,462	49,850	866

TABLE C-3. Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2010 (using FY 2009 institutional aggregations)

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
96	U. TX Health Science Ctr. San Antonio	207,115	121,723	6,949	15,499	20,181	42,763	0
97	SUNY Stony Brook	204,728	120,146	5,522	5,535	6,239	64,930	2,356
98	VA Commonwealth U.	197,709	144,138	8,712	9,134	7,164	28,561	0
99	George Washington U.	196,917	122,357	7,262	4,427	28,315	34,446	110
100	Dartmouth C.	194,141	118,271	5,137	12,113	18,864	39,228	528
101	Wake Forest U.	192,034	159,084	5,216	15,213	6,398	5,892	231
102	Medical C. WI	191,816	121,750	195	9,207	19,077	41,587	0
103	U. Louisville	189,090	93,260	10,967	6,084	5,960	58,753	14,066
104	U. TX Medical Branch	188,399	128,840	1,675	3,665	14,813	39,406	0
105	Woods Hole Oceanographic Institution	181,746	153,066	1,254	2,940	NA	10,746	13,740
106	Clemson U.	174,693	62,934	3,330	21,217	0	86,777	435
107	U. MA Amherst	169,143	89,413	4,657	9,080	7,644	52,426	5,923
108	Tulane U.	165,513	106,872	5,636	3,418	6,461	30,133	12,993
109	U. AK Fairbanks	161,986	99,657	8,780	5,731	2,537	43,956	1,325
110	KS State U.	160,679	68,560	40,094	3,522	1,343	38,539	8,621
111	Georgetown U.	159,355	120,589	1,393	4,705	18,935	13,694	39
112	NM State U.	157,872	98,399	17,937	7,745	267	25,110	8,414
113	Tufts U.	156,106	116,699	3,080	8,627	11,056	14,685	1,959
114	WV U.	154,926	79,415	10,345	5,070	1,555	58,447	94
115	U. DE	153,311	105,454	6,281	5,700	2,345	31,718	1,813
116	OK State U. all campuses	151,729	57,887	32,513	6,031	568	54,730	0
117	UT State U.	149,169	90,581	27,035	4,821	411	18,680	7,641
118	Auburn U. all campuses	145,466	54,145	33,597	4,177	1,234	49,411	2,902
119	U. CA, Santa Cruz	143,919	84,518	5,278	4,505	16,311	29,449	3,858
120	MT State U. Bozeman	135,084	93,100	3,701	NA	NA	30,574	7,709
121	Uniformed Services U. of the Health Sciences	134,126	72,125	NA	NA	5,764	56,237	NA
122	TX Tech U.	133,360	35,970	13,740	10,100	11,040	62,510	0
123	U. CA, Riverside	130,288	63,127	9,499	6,484	8,565	36,104	6,509
124	U. VT	129,856	98,635	312	1,899	6,387	22,623	0
125	ND State U.	126,419	51,883	38,668	915	839	32,029	2,085
126	Temple U.	124,528	79,939	5,143	5,564	7,441	26,339	102
127	U. Houston	119,811	52,920	33,168	6,364	6,473	20,886	0
128	U. AR for Medical Sciences	119,518	72,217	4,931	3,051	0	28,184	11,135
129	Drexel U.	118,349	77,438	4,174	2,860	8,998	24,879	0
130	U. Central FL	117,985	69,331	14,042	9,485	3,633	20,750	744
131	U. NH	115,562	84,553	2,031	6,634	3,519	16,422	2,403
132	U. AR main campus	113,909	33,674	48,242	7,634	1,725	21,981	653
133	U. ME	111,282	50,163	19,673	3,835	1,184	33,834	2,593
134	U. of Notre Dame	110,369	62,152	394	1,700	11,788	34,335	0
135	FL International U.	110,271	62,580	6,617	1,330	6,081	33,449	214
136	U. MS and U. MS Medical Ctr.	110,020	71,475	1,148	1,989	4,514	26,243	4,651
137	Syracuse U.	107,024	33,796	24,717	4,788	9,546	34,151	26
138	Naval Postgraduate School	103,510	93,605	287	1,356	59	8,090	113
139	Thomas Jefferson U.	103,064	77,817	5,450	10,031	5,895	3,871	0
140	San Diego State U.	99,137	56,504	6,364	850	5,314	30,032	73
141	Rice U.	97,903	69,395	1,075	5,913	8,427	13,093	0
142	Old Dominion U.	97,176	34,687	4,636	3,143	1,996	52,430	284

TABLE C-3. Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2010 (using FY 2009 institutional aggregations)

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
143	U. NV, Reno	95,423	58,115	4,959	1,263	1,396	29,287	403
144	U. OR	94,107	76,378	654	2,126	4,520	10,429	NA
145	U. Dayton	93,309	73,540	11,686	4,960	341	2,663	119
146	NJ Institute of Technology	92,318	50,051	4,737	4,572	1,541	31,417	0
147	U. RI	90,016	62,981	7,071	4,194	1,160	14,226	384
148	U. ID	87,207	46,303	21,615	1,124	410	16,401	1,354
149	U. MD Baltimore County	87,156	59,448	2,195	1,981	2,597	20,935	0
150	George Mason U.	84,120	63,011	1,783	605	4,335	14,019	367
151	Rensselaer Polytechnic Institute	83,952	54,847	7,350	4,683	2,641	14,431	0
152	TX A&M U. System Health Science Ctr.	82,839	33,511	11,348	1,231	4,877	27,570	4,302
153	U. TX Dallas	82,044	30,754	17,249	6,351	7,693	19,997	0
154	GA State U.	81,015	27,073	7,201	504	6,768	39,464	5
155	Northeastern U.	79,949	59,074	1,373	4,222	2,018	13,262	0
156	U. ND	76,560	52,504	5,509	11,363	1,715	5,469	0
157	U. AL Huntsville, The	75,683	73,075	503	769	NA	1,336	0
158	Rush U.	73,398	51,304	2	10,372	4,908	6,812	0
159	U. CA Office of the President	72,542	121	22,061	0	15,598	34,632	130
160	SUNY Binghamton	72,057	20,979	3,047	3,545	171	43,720	595
161	Medical C. GA	72,015	51,727	10	2,938	4,514	12,050	776
162	U. TX Arlington	71,414	31,628	10,084	4,790	3,295	21,617	0
163	U. WI-Milwaukee	71,181	29,042	24,944	1,341	4,853	9,676	1,325
164	Brandeis U.	71,006	43,669	595	3,500	10,194	12,381	667
165	U. Toledo	70,399	38,389	7,812	3,486	2,649	18,063	0
166	Southern IL U. Carbondale	69,924	22,209	6,251	8,752	1,098	31,614	NA
167	U. LA Lafayette	69,412	12,881	12,869	13,984	527	28,986	165
168	U. TX El Paso	68,870	34,617	13,726	1,017	8,459	11,051	0
169	SD State U.	67,552	38,368	16,848	1,450	3,184	6,363	1,339
170	U. MT-Missoula, The	63,540	40,760	2,269	529	NA	16,430	3,552
171	MI Technological U.	63,471	27,676	948	5,520	242	28,979	106
172	U.S. Air Force Academy	62,097	49,711	0	142	153	10,891	1,200
173	U. MA Lowell	59,345	25,550	1,910	4,460	1,779	25,583	63
174	C. of William and Mary and VA Institute of Marine Science	57,461	27,685	2,552	2,445	4,823	19,295	661
175	Portland State U.	56,533	36,996	2,831	864	8,173	7,475	194
176	FL Atlantic U.	56,472	17,268	1,252	889	1,122	33,717	2,224
177	U. MA Boston	56,416	24,527	3,652	91	5,902	21,997	247
178	U. TX San Antonio	56,279	28,717	12,431	453	4,361	10,317	0
179	U. WY	55,319	45,323	4,215	1,930	512	2,981	358
180	FL A&M U.	53,474	45,856	5,576	2,042	NA	0	NA
181	U. Akron	52,884	12,107	3,529	1,685	4,845	28,232	2,486
182	NM Institute of Mining and Technology	51,696	42,243	1,659	1,850	0	5,567	377
183	Wichita State U.	51,524	13,751	5,626	22,618	249	9,280	0
184	TX Tech U. Health Sciences Ctr.	51,282	12,950	29,208	1,035	2,920	5,169	0
185	Boston C.	50,537	33,290	145	2,619	7,481	7,002	0
186	OH U.	50,440	18,466	2,561	3,982	0	23,579	1,852
187	U. Memphis, The	49,517	20,654	4,890	1,132	1,216	21,118	507
188	Wright State U.	48,575	24,785	3,931	2,039	798	17,022	0
189	St. Louis U.	46,839	33,728	90	6,473	1,987	4,561	NA
190	CUNY The City C.	46,699	32,900	4,751	6,126	NA	2,922	NA



TABLE C-3. Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2010 (using FY 2009 institutional aggregations)

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
191	CO School of Mines	44,879	29,892	931	13,961	NA	95	0
192	Jackson State U.	44,862	39,457	0	0	1,155	4,250	0
193	U. NV, Las Vegas	44,457	32,441	2,315	741	390	8,552	18
194	Eastern VA Medical School	44,420	29,291	260	2,608	12,075	186	0
195	Loyola U. Chicago	43,903	28,995	610	2,855	2,814	7,280	1,349
196	SUNY Upstate Medical U.	43,824	27,959	3,388	2,337	2,794	5,794	1,552
197	U. MD Ctr. for Environmental Science	42,670	12,123	5,118	0	NA	21,123	4,306
198	MO U. of Science and Technology	42,263	28,239	287	3,549	473	9,499	216
199	U. Southern MS	42,059	37,054	2,056	1,459	446	786	258
200	U. AL, The	40,762	26,364	3,443	2,735	103	7,849	268
201	Howard U.	40,080	33,017	142	938	1,310	4,673	0
202	American U.	39,747	8,841	NA	52	6,005	24,849	NA
203	U. PR Medical Sciences Campus	39,134	29,813	1,045	2,346	NA	5,930	0
204	CUNY Hunter C.	38,900	18,498	2,919	104	4,771	12,608	0
205	U. North TX Health Science Ctr.	38,862	25,847	1,317	1,932	1,486	7,968	312
206	Rochester Institute of Technology	38,663	23,254	989	4,982	880	8,558	0
207	San Jose State U.	38,241	24,292	10,077	449	645	2,778	0
208	Lehigh U.	37,332	23,721	6,804	2,400	817	3,545	45
209	IL Institute of Technology	36,554	28,349	1,401	3,030	1,358	2,416	0
210	Loma Linda U.	35,990	29,284	1,290	2,050	1,462	1,767	137
211	Stevens Institute of Technology	35,544	29,370	1,228	536	551	3,419	440
212	U. South AL	35,500	14,730	561	1,896	406	17,907	0
213	NC Agricultural and Technical State U.	35,297	23,883	105	62	53	11,190	4
214	Desert Research Institute	34,367	28,307	1,411	474	2,150	2,025	0
215	Cleveland State U.	34,235	25,024	2,368	2,326	2,231	2,279	7
216	Brigham Young U.	32,997	22,115	1,716	3,638	876	4,494	158
217	SUNY Health Science Ctr. Brooklyn	32,512	25,023	408	1,749	1,193	3,720	419
218	U. of the VI	32,350	28,369	1,887	0	0	0	2,094
219	U. NC Charlotte	31,814	17,284	3,332	6,519	NA	4,679	0
220	Southern IL U. Edwardsville	31,781	4,192	2,521	901	430	23,737	0
221	U. North TX	31,496	17,511	678	742	1,233	11,326	6
222	Air Force Institute of Technology	31,259	15,474	89	269	52	15,375	0
223	U. SD	30,616	16,467	1,061	364	381	12,343	0
224	TX State U.-San Marcos	30,560	8,904	5,646	541	4,111	11,358	0
225	U. PR Rio Piedras	30,515	21,717	123	16	20	8,373	266
226	AL A&M U.	30,497	22,154	1,601	330	180	4,988	1,244
227	Morehouse School of Medicine	30,385 i	26,559 i	602 i	1,033 i	33 i	2,158 i	0 i
228	U. MO-Kansas City	30,163	16,391	1,645	560	1,705	9,553	309
229	CA State U., Northridge	29,469	17,213	6,685	119	331	5,111	10
230	Northern AZ U.	28,803	15,070	5,708	590	1,651	5,784	0
231	SD School of Mines and Technology	28,572	25,172	1,248	165	NA	1,488	499
232	NY Medical C.	28,400	21,095	749	3,720	1,992	364	480
233	Creighton U.	27,700	11,850	3,450	0	8,450	3,500	450
234	Mercer U.	27,298	18,778	384	4,652	134	3,117	233
235	Northern IL U.	27,036	17,334	7	1,109	0	8,586	0
236	Meharry Medical C.	27,001	24,302	0	0	1,545	1,154	0
237	SUNY C. of Environmental Science and Forestry	26,916	8,907	2,396	1,908	692	12,312	701

TABLE C-3. Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2010 (using FY 2009 institutional aggregations)

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
238	Miami U.	26,521	13,591	1,733	788	347	9,506	556
239	U. PR Mayaguez	26,475	12,735	726	1,555	2,615	8,811	33
240	Western MI U.	26,391	19,738	719	1,744	1,649	1,869	672
241	Kent State U.	26,331	14,586	3,667	311	258	7,081	428
242	LA Tech U.	26,020	10,806	2,527	298	4	12,385	0
243	U. MA Dartmouth	25,725	12,236	657	633	392	11,807	0
244	San Francisco State U.	25,615	15,601	3,172	258	1,938	4,646	0
245	Marshall U.	24,501	18,218	1,385	151	341	4,158	248
246	East Carolina U.	23,995	16,113	711	2,228	979	3,964	0
247	U. Tulsa	23,387	7,126	661	8,476	59	7,065	0
248	U. NC Wilmington	23,143	14,364	1,127	671	721	6,260	0
249	Albany Medical C.	22,953	15,758	333	1,485	2,051	3,326	0
250	U. NC Greensboro	22,436	19,477	462	825	463	1,209	0
251	U.S. Military Academy	22,171	22,146	0	25	0	0	0
252	Charles R. Drew U. of Medicine and Science	22,152	20,430	NA	NA	NA	1,722	NA
253	CA State U., Fullerton	21,776	13,651	2,636	333	1,091	4,065	0
254	U. CA, Merced	21,591	9,392	6,589	181	487	3,819	1,123
255	Catholic U. America, The	21,454	15,878	0	1,365	503	3,708	0
256	ID State U.	20,495	14,645	527	1,430	993	2,900	0
257	Ball State U.	20,477	3,988	685	383	4,386	11,016	19
258	CA Polytechnic State U., San Luis Obispo	19,732	11,637	3,351	559	2,062	2,091	32
259	Fordham U.	19,289	4,132	388	0	0	13,623	1,146
260	Southern Methodist U.	18,742	13,312	167	457	813	3,993	0
261	Boise State U.	18,731	14,614	455	168	448	3,046	0
262	Worcester Polytechnic Institute	18,613	13,582	212	957	366	3,496	0
263	Clarkson U.	18,584	9,573	1,963	2,703	0	4,345	0
264	IL State U.	18,417	5,442	369	262	629	11,715	0
265	U. West FL	17,757	11,038	4,245	115	606	1,675	78
266	TX A&M U.-Kingsville	17,378	7,088	4,548	487	2,504	2,751	0
267	TX A&M U.-Corpus Christi	17,266	7,869	3,885	119	2,703	2,634	56
268	Teachers C., Columbia U.	17,167	6,533	192	7,346	2,898	0	198
269	CUNY Queens C.	16,845	13,642	1,405	0	1,069	709	20
270	TN Technological U.	16,754	7,490	6,151	54	162	2,672	225
271	U. AK Anchorage	16,709	9,368	1,292	164	637	5,202	46
272	U. Southern ME	16,358	9,137	2,492	24	2,306	2,399	0
273	AL State U.	16,340	13,340	0	0	0	3,000	0
274	Duquesne U.	15,804	5,904	1,176	1,037	1,306	6,381	0
275	U. Denver	15,748	13,364	255	835	439	799	56
276	Tuskegee U.	15,581	12,309	1,620	0	0	245	1,407
277	CA State U., Long Beach	15,494	12,731	1,358	1,048	341	16	0
278	CA State U., Sacramento	15,207	5,829	4,487	520	899	3,444	28
279	DE State U.	15,200	10,154	428	41	36	4,541	0
280	U. HI Hilo	14,857	12,265	1,466	347	53	331	395
281	U. MO-St. Louis	14,628	7,151	273	36	619	6,417	132
282	Hampton U.	14,455	14,455	0	0	0	0	NA
283	Marquette U.	14,310	9,381	182	453	1,832	2,462	0
284	C. Charleston	14,218	11,610	1,282	170	1,113	0	43
285	Eastern MI U.	14,133	9,088	644	776	593	3,032	0

TABLE C-3. Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2010 (using FY 2009 institutional aggregations)

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
286	FL Gulf Coast U.	13,906	9,542	2,094	154	2,044	72	0
287	Oakland U.	12,856	7,130	5	509	663	4,531	18
288	Morgan State U.	12,804	10,039	1,328	1,253	184	0	0
289	Prairie View A&M U.	12,565	8,623	2,986	126	27	799	4
290	TN State U.	12,432	7,414	793	592	33	3,600	0
291	Rosalind Franklin U. of Medicine and Science	12,426	8,350	0	329	1,529	2,218	0
292	Embry-Riddle Aeronautical U.	12,189	8,241	1,282	1,481	0	1,185	0
293	FL Institute of Technology	12,054	9,175	1,019	1,831	NA	0	29
294	Fayetteville State U.	11,865	10,844	676	1	344	0	0
295	CUNY Graduate Ctr.	11,562	4,901	742	0	3,863	112	1,944
296	Villanova U.	11,433 i	6,390 i	3,218 i	969 i	856 i	0 i	0 i
297	AR State U. main campus	11,115	6,194	3,920	96	91	814	0
298	U.S. Naval Academy	11,093	10,750	0	165	17	156	5
299	U. AR Little Rock	11,007	7,571	1,793	163	209	1,271	0
300	Baylor U.	10,925	2,947	261	521	1,373	5,792	31
301	Northeastern OH Universities C. of Medicine	10,819	4,009	560	40	1,088	5,121	1
302	Tarleton State U.	10,763	6,379	3,519	246	107	512	0
303	Polytechnic U.	10,601	5,729	1,439	2,671	NA	762	NA
304	Western WA U.	10,571	4,594	811	96	436	4,634	0
305	Alcorn State U.	10,280	9,256	0	50	0	974	0
306	Nova Southeastern U.	10,116	5,718	666	891	365	2,476	0
307	Western KY U.	9,943	6,866	1,059	348	381	1,289	0
308	East TN State U.	9,869	6,272	1,662	612	1,143	180	0
309	Humboldt State U.	9,845	3,024	2,639	913	988	2,281	0
310	Wheeling Jesuit U.	9,398	8,768	196	51	325	0	58
311	Fairfield U.	9,294	2,681	170	76	0	5,825	542
312	Stephen F. Austin State U.	9,127	5,530	768	139	535	2,155	0
313	Ponce School of Medicine	8,934	7,569	517	848	NA	0	NA
314	CA State U., Fresno	8,698	3,424	2,743	208	381	1,942	0
315	U. TX Pan American	8,693	5,544	1,725	376	574	474	0
316	U. MD Eastern Shore	8,692	8,583	87	0	2	0	20
317	Clark Atlanta U.	8,515	7,229	18	134	68	1,066	0
318	Lincoln U. (Jefferson City, MO)	8,475	5,984	2,491	0	0	0	0
319	Dillard U.	8,425	7,096	1,329	0	0	0	0
320	Wellesley C.	8,422	3,677	442	163	4,140	0	0
321	Wesleyan U.	8,397	4,496	72	311	552	2,966	0
322	U. AR Pine Bluff	8,343	3,947	279	0	110	4,007	0
323	Bowling Green State U.	8,124	4,963	1,861	113	285	871	31
324	U. North FL	8,041	4,636	429	68	283	2,625	0
325	Xavier U. LA	8,029	5,669	1,465	0	284	611	0
326	Morehouse C.	7,857	7,857	0	0	0	0	NA
327	MO State U.	7,770	6,071	237	491	971	0	0
328	CA State U., Los Angeles	7,714	7,234	193	0	160	127	0
329	Fisk U.	7,700	7,686	0	0	0	14	0
330	Gallaudet U.	7,652	5,522	0	0	0	2,130	0
331	Sam Houston State U.	7,555	5,066	1,479	NA	NA	1,010	NA
332	Central MI U.	7,483	2,536	1,330	33	113	3,389	82
333	Bryn Mawr C.	7,476	1,301	185	7	90	5,857	36
334	VA State U.	7,466	5,552	72	5	71	1,761	5

TABLE C-3. Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2010 (using FY 2009 institutional aggregations)

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
335	MT Tech of the U. MT	7,424	5,321	1,474	629	NA	0	0
336	West TX A&M U.	7,346	2,100	205	1,001	442	3,598	NA
337	SC State U.	7,167	6,334	308	346	179	0	NA
338	Universidad Central del Caribe	7,122	6,504	31	0	0	587	0
339	Claremont Graduate U.	7,116	5,888	0	0	263	965	0
340	Clark U.	7,111	3,243	0	194	2,242	1,432	0
341	James Madison U.	7,038	5,563	112	0	NA	235	1,128
342	TX Southern U.	7,003	5,240	1,551	0	212	0	NA
343	U. TX Brownsville	6,886	5,640	737	0	40	469	0
344	Kettering U.	6,880	4,477	389	1,736	278	0	0
345	NC Central U.	6,870	6,870	NA	NA	NA	0	NA
346	Southern U. Baton Rouge	6,865	5,920	NA	0	0	0	945
347	CUNY Brooklyn C.	6,846	5,358	0	764	0	724	NA
348	U. WI-Stevens Point	6,766	4,456	214	147	29	955	965
349	Universidad del Turabo	6,620	691	0	0	0	5,929	0
350	CA State Polytechnic U., Pomona	6,493	2,563	844	487	186	2,413	0
351	Rowan U.	6,434	4,301	1,855	278	NA	0	NA
352	U. of the Pacific	6,120	3,135	293	2,046	646	0	0
353	Norfolk State U.	5,944	5,413	21	NA	NA	0	510
354	CUNY John Jay C. of Criminal Justice	5,916	3,418	52	0	1,790	656	0
355	U. WI-Superior	5,890	5,197	0	245	34	156	258
356	Lamar U.	5,829	4,377	148	203	145	956	0
357	CA State U., San Marcos	5,788	4,106	714	0	787	181	0
358	Claremont McKenna C.	5,725	1,130	18	0	298	4,279	0
359	U. TX Tyler	5,679	3,378	2,021	280	0	0	0
360	Elizabeth City State U.	5,576	5,552	14	0	10	0	0
361	U. GU	5,555	4,962	94	481	18	0	0
362	Bucknell U.	5,456	2,745	149	121	571	1,756	114
363	Ft. Valley State U.	5,310	4,586	0	0	0	724	0
364	TX Christian U.	5,306	3,373	229	1,568	NA	136	NA
365	CA State U., Monterey Bay	5,305	3,167	1,551	0	146	441	0
366	New School, The	5,178	1,670	30	58	3,420	0	0
367	Central WA U.	5,159	4,038	378	140	24	579	0
368	Grand Valley State U.	5,044	1,134	368	206	879	2,095	362
369	U. DC	5,012	1,946	3,066	0	0	0	0
370	Calvin C.	5,010	2,084	2	173	289	2,364	98
371	KY State U.	4,912	3,501	1,341	0	58	12	0
372	DePaul U.	4,889	3,896	31	29	373	560	0
373	Middle TN State U.	4,793	2,651	134	0	77	1,881	50
374	Palmer C. of Chiropractic	4,693	3,009	0	0	5	1,679	0
375	Williams C.	4,691	2,330	0	0	0	2,361	0
376	Smith C.	4,613	2,843	0	12	905	853	0
377	Carleton C.	4,575	1,803	21	0	1,179	1,572	0
378	Loyola Marymount U.	4,557	1,731	0	5	611	2,210	0
379	Alfred U.	4,524	1,687	1,464	877	0	496	0
380	Youngstown State U.	4,523	2,067	2,048	138	0	270	0
381	Langston U.	4,492	3,313	1,179	0	0	0	0
382	Macalester C.	4,389	1,075	0	0	294	3,020	0
383	U. Baltimore	4,229	1,812	1,278	8	1,112	19	0

TABLE C-3. Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2010 (using FY 2009 institutional aggregations)

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
384	St. Cloud State U.	4,184	1,260	290	523	432	1,679	0
385	U. WI-La Crosse	4,141	2,150	738	625	3	241	384
386	U. Richmond	4,052	2,138	9	0	1,065	825	15
387	Seton Hall U.	4,003	2,206	660	485	652	0	0
388	Lawrence Technological U.	3,952	3,144	313	114	305	76	0
389	Milwaukee School of Engineering	3,944	1,177	0	1,881	332	554	0
390	Southern CT State U.	3,840	1,459	1,567	41	773	0	0
391	MN State U. Mankato	3,837	2,051	46	2	139	490	1,109
392	Chapman U.	3,830	1,871	469	79	1,076	330	5
393	Santa Clara U.	3,816	3,494	164	69	89	0	0
394	Franklin & Marshall C.	3,770	1,857	271	300	483	859	0
395	WV State U.	3,770	2,759	1,011	0	0	0	0
396	GA Southern U.	3,704	2,077	91	139	347	1,050	0
397	Amherst C.	3,628	1,102	4	2	595	1,925	0
398	Midwestern U. (Downers Grove, IL)	3,626	315	0	185	81	3,045	NA
399	Haverford C.	3,620	2,715	0	0	217	688	0
400	Shaw U.	3,600 i	3,159 i	169 i	0 i	0 i	272 i	0 i
401	Hope C.	3,596	2,523	0	0	754	319	0
402	CUNY Herbert H. Lehman C.	3,579 i	2,750 i	5 i	558 i	0 i	266 i	0 i
403	U. New England	3,560	2,829	21	121	589	0	0
404	Eastern KY U.	3,531	2,638	189	0	0	704	0
405	SUNY C. of Optometry	3,529	2,829	0	203	131	366	0
406	Salisbury U.	3,503	1,823	937	NA	361	382	NA
407	Long Island U.	3,406 i	2,483 i	151 i	364 i	122 i	286 i	0 i
408	Murray State U.	3,396	2,074	92	48	74	1,108	0
409	Barnard C.	3,353	2,754	76	0	494	29	0
410	CUNY C. Staten Island	3,290	952	1,072	719	352	191	4
411	Eastern WA U.	3,266	46	2,377	76	568	199	0
412	Clafflin U.	3,252	3,226	15	11	0	0	0
413	Central State U.	3,233	2,544	227	462	0	0	0
414	Harvey Mudd C.	3,214	2,049	0	63	257	845	0
415	Wabash C.	3,200	208	0	0	2,889	83	20
416	Hamilton C.	3,192	1,077	206	26	1,417	461	5
417	Spelman C.	3,181	2,740	0	280	0	161	0
418	Pace U.	3,085	627	0	44	330	2,084	0
419	Albany C. of Pharmacy	3,074	1,380	184	1,198	0	312	0
420	U. Northern IA	3,064	1,460	890	5	9	700	0
421	Towson U.	3,052	1,806	879	93	95	172	7
422	West Chester U. PA	3,052 i	1,612 i	694 i	128 i	618 i	0 i	0 i
423	Sul Ross State U.	3,039	1,595	537	41	362	504	0
424	Swarthmore C.	2,984	913	17	0	914	1,140	0
425	Tougaloo C.	2,978	2,978	0	0	0	0	0
426	U. San Diego	2,934	1,352	117	71	259	887	248
427	Pomona C.	2,924	1,048	0	0	748	1,052	76
428	St. Francis U.	2,923	2,923	0	0	0	0	0
429	St. Joseph's U.	2,918	1,368	288	0	947	315	0
430	Appalachian State U.	2,898	1,813	253	94	253	485	0
431	U. LA Monroe	2,884	1,470	429	195	299	491	0
432	Black Hills State U.	2,883	2,434	229	6	40	174	0
433	CA State U., Chico	2,881	1,502	777	238	106	258	0

TABLE C-3. Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2010 (using FY 2009 institutional aggregations)

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
434	Colgate U.	2,851	1,519	2	20	203	1,107	0
435	Skidmore C.	2,850	1,872	0	428	0	550	0
436	Mt. Holyoke C.	2,788	1,362	0	0	931	495	0
437	Lewis & Clark C.	2,753	843	0	0	1,080	830	0
438	CA State U., Dominguez Hills	2,743	2,658	64	19	2	0	0
439	Armstrong Atlantic State U.	2,681	2,681	0	0	0	0	0
440	TX A&M U.-Commerce	2,679	1,362	937	17	363	0	NA
441	Pepperdine U.	2,672	933	808	44	247	640	0
442	U. NC Asheville	2,671	1,367	606	97	277	324	0
443	U. Central AR	2,670	1,658	389	3	0	588	32
444	Bowdoin C.	2,627	1,815	0	53	171	588	0
445	CUNY Baruch C.	2,616	1,010	76	0	1,045	485	0
446	U. Northern CO	2,607	2,082	88	10	47	380	0
447	Nicholls State U.	2,590	946	661	0	333	650	0
448	Southeastern LA U.	2,561	1,161	639	0	84	677	0
449	Hofstra U.	2,552	2,206	169	2	77	98	0
450	TX A&M International U.	2,428	1,623	164	0	368	247	26
451	Northwest Indian C.	2,426	1,943	57	0	60	366	0
452	Coastal Carolina U.	2,404	1,533	433	332	22	84	0
453	Western Carolina U.	2,376	1,296	211	18	377	474	0
454	Northern KY U.	2,316	1,476	93	84	90	573	0
455	Furman U.	2,311	1,332	0	0	540	374	65
456	Middlebury C.	2,292	2,245	0	0	47	0	0
457	Occidental C.	2,289	665	118	261	1,245	0	0
458	TX Woman's U.	2,271	822	471	5	271	702	0
459	Montclair State U.	2,255	1,876	27	19	129	204	0
460	Western OR U.	2,255	1,652	262	0	89	252	0
461	Monmouth U.	2,195	2,190	5	0	0	0	0
462	U. PR Humacao	2,161 i	2,144 i	0 i	0 i	0 i	17 i	0 i
463	Morehead State U.	2,145	1,528	129	0	113	375	0
464	U. San Francisco	2,124	428	129	0	262	1,289	16
465	Dickinson C.	2,109	602	71	0	677	759	0
466	U. IL Springfield	2,096	436	403	0	62	868	327
467	Lafayette C.	2,089	1,223	98	73	106	589	0
468	CA State U., Bakersfield	2,083	637	936	158	93	259	0
469	Grinnell C.	2,069	1,161	2	5	29	872	0
470	Willamette U.	2,059	666	33	0	0	1,360	0
471	Mercyhurst C.	2,040	854	362	91	400	284	49
472	Oberlin C.	1,985	1,359	0	62	238	326	0
473	Union C. (Schenectady, NY)	1,984	1,427	12	26	461	58	0
474	Roger Williams U.	1,967	1,574	15	29	52	297	0
475	U. of the Sciences Philadelphia	1,964	984	360	620	0	0	0
476	U. WI-Eau Claire	1,950	1,320	230	68	46	101	185
477	SUNY C. Buffalo	1,935	1,293	53	18	242	329	0
478	Reed C.	1,904	796	0	0	485	623	0
479	Universidad Metropolitana	1,888	1,282	0	0	0	606	0
480	Agnes Scott C.	1,884	1,328	0	0	13	528	15
481	Trinity C. (Hartford, CT)	1,875	1,026	9	10	618	212	0
482	Savannah State U.	1,874	1,774	86	0	14	0	0
483	Kennesaw State U.	1,854	1,246	22	7	381	198	0

TABLE C-3. Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2010 (using FY 2009 institutional aggregations)

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
484	CA State U., San Bernardino	1,851	1,412	151	154	13	89	32
485	Pacific U.	1,849	845	128	380	494	0	2
486	Mesa State C.	1,799	1,064	11	95	418	211	0
487	U. Central OK	1,786	1,059	226	16	405	80	NA
488	Western U. of Health Sciences	1,786	885	139	519	74	169	0
489	NY Institute of Technology	1,785	250	212	275	83	965	0
490	Colby C.	1,782	1,105	0	0	199	478	0
491	Northwestern Health Sciences U.	1,779	1,467	0	0	0	312	0
492	Pittsburg State U.	1,759	999	10	559	191	0	0
493	U. AK Southeast	1,759	1,222	159	0	88	290	0
494	U. West GA	1,749	761	398	522	0	68	0
495	St. Bonaventure U.	1,727	767	27	0	0	352	581
496	Mills C.	1,679	1,095	0	0	537	47	0
497	Rider U.	1,671	407	0	1	55	1,208	0
498	SUNY C. Plattsburgh	1,664	1,187	159	0	23	267	28
499	Arcadia U.	1,649	1,206	134	0	309	0	0
500	West Liberty State C.	1,645	550	600	0	385	110	0
501	St. John's U. (Jamaica, NY)	1,643	1,274	9	241	72	47	0
502	Daemen C.	1,613	426	746	132	232	77	0
503	Touro U.-CA	1,600	999	0	0	222	379	0
504	Chicago State U.	1,598	1,598	0	0	0	0	0
505	Bates C.	1,590	971	0	4	137	478	0
506	St. Olaf C.	1,574	1,247	35	40	170	82	0
507	Bastyr U.	1,572	1,211	0	135	0	226	0
508	U. WI-Oshkosh	1,556	832	174	46	59	267	178
509	IN State U.	1,541	990	70	390	17	62	12
510	Benedict C.	1,533	1,473	60	0	0	0	0
511	CT C.	1,532	954	45	0	3	530	0
512	NM Highlands U.	1,529	970	59	500	0	0	0
513	Davidson C.	1,493	1,153	48	21	265	6	0
514	Rose-Hulman Institute of Technology	1,482	1,159	0	15	198	110	0
515	Northwestern State U.	1,464	635	464	0	0	247	118
516	New England C. of Optometry	1,457	726	0	347	53	315	16
517	Trinity U.	1,446	1,023	0	29	365	14	15
518	Hobart and William Smith Colleges	1,434	1,118	201	13	98	4	0
519	Lincoln U. of the Commonwealth of PA	1,425	1,114	307	4	0	0	0
520	U. TX of the Permian Basin	1,417	677	1	0	0	96	643
521	Whitman C.	1,415	1,080	0	0	335	0	0
522	SUNY C. of A&T Cobleskill	1,414	1,382	22	6	0	4	0
523	Roanoke C.	1,379 i	107 i	0 i	0 i	0 i	1,272 i	0 i
524	Indiana U. PA	1,376	660	280	0	0	436	0
525	SUNY C. Geneseo	1,373	755	9	60	36	513	0
526	Universidad del Este	1,372	1,139	0	0	0	233	0
527	Salus U.	1,359	1,261	69	29	0	0	0
528	U. of St. Thomas (St. Paul, MN)	1,330	842	78	88	NA	204	118
529	Washington and Jefferson C.	1,327	1,188	0	0	139	0	0
530	U. Redlands	1,317	1,208	75	0	0	34	0

TABLE C-3. Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2010 (using FY 2009 institutional aggregations)

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
531	CA State U., East Bay	1,312	643	551	0	118	0	0
532	La Salle U.	1,298	246	0	86	10	956	0
533	Vassar C.	1,280	1,280	0	0	0	0	0
534	U. Houston-Clear Lake	1,279	301	766	12	93	107	0
535	Philadelphia C. of Osteopathic Medicine	1,278	812	31	0	279	156	0
536	C. of the Holy Cross	1,275	904	0	0	371	0	0
537	Seattle U.	1,259 i	263 i	10 i	18 i	398 i	570 i	0 i
538	A. T. Still U. of Health Sciences	1,253	116	0	24	142	971	0
539	Plymouth State U.	1,253 i	1,053 i	48 i	0 i	127 i	25 i	0 i
540	Gonzaga U.	1,249	609	0	2	571	67	0
541	Western IL U.	1,221	658	398	113	0	19	33
542	Governors State U.	1,220	1,124	24	0	72	0	0
543	U. WI-Green Bay	1,219	778	71	179	16	134	41
544	U. Portland	1,205	335	174	7	660	29	0
545	Philadelphia U.	1,200	968	232	0	0	0	0
546	SUNY C. Old Westbury	1,197 i	634 i	0 i	223 i	16 i	324 i	0 i
547	Andrews U.	1,195	280	78	0	199	638	NA
548	John Carroll U.	1,154	1,036	0	118	0	0	0
549	Bradley U.	1,151	512	0	304	0	335	0
550	U. Detroit Mercy	1,148	633	63	124	25	195	108
551	U. Hartford	1,137	820	0	71	1	245	0
552	Christopher Newport U.	1,110	1,049	8	46	7	0	0
553	Niagara U.	1,090	162	334	3	106	485	0
554	Angelo State U.	1,088	236	570	0	82	200	0
555	Ithaca C.	1,077	617	76	0	120	264	0
556	McNeese State U.	1,077	433	174	8	33	429	0
557	Siena C.	1,061	1,045	0	0	16	0	0
558	William Paterson U. NJ	1,051	105	44	20	1	881	0
559	Drake U.	1,033	456	79	19	243	236	NA
560	MS Valley State U.	1,029	993	NA	NA	NA	36	NA
561	U. Houston-Downtown	1,013	908	6	79	0	20	0
562	Western States Chiropractic C.	996	866	0	0	0	130	0
563	Grambling State U.	993	993	0	0	0	0	0
564	C. Wooster	988	249	18	0	261	446	14
565	Weber State U.	983	355	247	378	3	0	0
566	Haskell Indian Nations U.	978	922	0	0	56	0	0
567	National U. of Health Sciences	950	754	0	23	27	146	0
568	Washington and Lee U.	939	646	0	268	25	0	0
569	U. PR Cayey	927	710	0	0	0	217	0
570	Providence C.	917	857	0	24	32	4	0
571	Augustana C. (Sioux Falls, SD)	912	889	0	6	17	0	0
572	Northern MI U.	910	287	0	0	47	576	0
573	Evergreen State C.	902	886	7	0	9	0	0
574	Barry U.	897	897	0	0	0	0	0
575	Truman State U.	882	605	18	2	37	220	0
576	Salish Kootenai C.	880	475	0	0	405	0	0
577	Saginaw Valley State U.	873	77	0	144	0	600	52
578	Sonoma State U.	858	690	32	0	25	111	0
579	Des Moines U.	855	62	0	1	0	731	61
580	C. NJ, The	850	461	105	0	263	21	0



TABLE C-3. Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2010 (using FY 2009 institutional aggregations)

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
581	VA Military Institute	849	451	86	37	25	250	0
582	SUNY C. Brockport	831	521	52	8	96	143	11
583	Southern OR U.	826	639	105	22	0	60	0
584	Gettysburg C.	814	524	0	0	116	160	14
585	Rhodes C.	804	519	242	16	27	0	0
586	Minot State U.	795	795	0	0	0	0	0
587	Valparaiso U.	791	505	21	19	48	198	0
588	Lawrence U.	784	703	0	0	0	81	0
589	SUNY C. Oswego	783	644	12	39	1	41	46
590	Central CT State U.	776	366	8	0	8	394	0
591	LeTourneau U.	773	273	0	63	363	74	0
592	Wilberforce U.	760	737	0	0	23	0	0
593	Kalamazoo C.	755	254	0	0	245	256	0
594	Eastern IL U.	751	450	95	20	45	141	0
595	Albany State U.	740	396	344	0	0	0	0
596	Cheyney U. PA	725	255	470	0	0	0	0
597	Millsaps C.	722	433	NA	7	NA	282	NA
598	U. WI-Whitewater	718	411	152	17	1	83	54
599	SUNY Institute of Technology at Utica-Rome	713	695	0	0	0	18	0
600	Northeastern IL U.	711	448	0	0	19	244	0
601	Le Moyne-Owen C.	708	610	98	0	0	0	0
602	IL Wesleyan U.	707	360	NA	NA	NA	347	NA
603	Northeastern State U.	707	451	56	170	0	30	0
604	Kansas City U. of Medicine and Biosciences	685	556	30	0	65	34	0
605	Seattle Pacific U.	684	114	19	2	180	218	151
606	U. WI-Platteville	681	46	473	11	12	116	23
607	Radford U.	680	292	28	67	21	272	0
608	U.S. Coast Guard Academy	680	672	0	0	0	8	0
609	CO C.	671	473	4	0	0	194	0
610	Marist C.	671	8	290	110	11	231	21
611	Abilene Christian U.	662	537	0	0	37	88	0
612	New C. FL	660	514	0	11	26	109	0
613	CUNY Medgar Evers C.	658	392	0	211	0	55	0
614	Hendrix C.	656	466	12	4	50	124	0
615	Loyola C.	648	555	27	0	66	0	0
616	Mt. St. Mary's C. (Los Angeles, CA)	647	647	0	0	0	0	0
617	St. Michael's C.	644	487	0	0	0	157	0
618	St. John's U. (Collegeville, MN)	640	0	0	0	0	640	0
619	Sinte Gleska U.	630	537	0	0	0	93	0
620	Denison U.	620 i	469 i	0 i	0 i	0 i	151 i	0 i
621	Concordia C.	617	301	0	0	47	269	0
622	MT State U. Billings	598	327	127	73	0	71	0
623	Loyola U. New Orleans	595	260	142	0	11	182	0
624	WV School of Osteopathic Medicine	594	22	0	0	0	572	0
625	Bridgewater State C.	587	279	177	0	5	126	0
626	Wiley C.	575	362	198	0	15	0	0
627	Hampshire C.	569	533	0	0	0	36	0

TABLE C-3. Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2010 (using FY 2009 institutional aggregations)

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
628	U. WI-Parkside	541	127	139	87	0	157	31
629	Ursinus C.	540	413	120	1	6	0	0
630	Lake Forest C.	533	154	0	0	21	358	0
631	SUNY C. Cortland	527	153	4	9	249	109	3
632	Millersville U. PA	523	307	35	24	61	96	0
633	Frostburg State U.	521	372	121	18	10	0	0
634	Elizabethtown C.	514	394	120	0	0	0	0
635	SUNY Fredonia	513	111	103	15	0	284	0
636	Juniata C.	511	150	0	0	247	114	0
637	SUNY C. Potsdam	511	386	30	24	19	52	0
638	Allegheny C.	505	197	17	0	70	221	0
639	DePauw U.	503	192	0	1	4	306	0
640	Manhattan C.	498	166	302	12	18	0	0
641	St. Mary's U. (San Antonio, TX)	495	20	0	0	0	475	0
642	Muhlenberg C.	488	302	0	20	30	136	0
643	Goucher C.	485	322	0	0	163	0	0
644	AR Tech U.	477 i	250 i	45 i	17 i	6 i	159 i	0 i
645	Augustana C. (Rock Island, IL)	465	160	3	18	0	284	0
646	Mercy C.	464	426	0	0	6	32	0
647	U. Puget Sound	461	166	0	12	144	139	0
648	Coe C.	457	322	15	17	4	99	0
649	U. WI-River Falls	441	134	77	18	18	174	20
650	Simmons C.	440	181	0	0	207	10	42
651	Southern Polytechnic State U.	435	428	0	6	1	0	0
652	AK Pacific U.	434	283	31	120	0	0	0
653	Southwestern OK State U.	428	333	41	0	0	54	0
654	Pacific Lutheran U.	425	169	0	0	125	131	0
655	Wilkes U.	420	345	61	0	14	0	0
656	Kenyon C.	414	413	0	0	0	1	0
657	CO State U. Pueblo	413	364	5	0	44	0	0
658	U. NC Pembroke	408	210	124	0	74	0	0
659	Southern U. New Orleans	402	369	0	0	0	33	0
660	Jacksonville State U.	398	133	0	153	0	112	0
661	Ft. Lewis C.	392	340	17	0	25	10	0
662	U. WI-Stout	388	148	50	5	0	173	12
663	Fuller Theological Seminary	384	0	2	0	107	42	233
664	Winona State U.	375	141	163	37	2	32	0
665	Cooper Union, The	371	194	0	54	49	74	0
666	Adelphi U.	360	290	0	0	0	70	0
667	Midwestern State U.	348	10	4	9	243	82	0
668	Pitzer C.	347	36	0	0	122	189	0
669	Luther C.	342	102	82	2	16	140	0
670	St. Mary's C. MD	342	233	0	0	95	14	0
671	SUNY C. Oneonta	336	112	124	0	40	60	0
672	Jacksonville U.	335	9	134	22	149	21	0
673	OH Wesleyan U.	335	203	0	0	0	132	0
674	Eckerd C.	327	275	0	39	5	0	8
675	Vanguard U. Southern CA	319 i	269 i	0 i	0 i	15 i	35 i	0 i
676	St. Joseph's C. (Standish, ME)	317	316	0	0	1	0	0
677	Gustavus Adolphus C.	310	97	1	0	116	96	0

TABLE C-3. Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2010 (using FY 2009 institutional aggregations)

(Dollars in thousands)

Rank	Institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
678	OH Northern U.	308	180	1	10	32	85	0
679	U. MT Western, The	301	253	0	0	0	48	0
680	Mayville State U.	275	212	63	0	0	0	0
681	Fairleigh Dickinson U.	254	210	22	17	5	0	0
682	Farmingdale State C.	253	228	0	0	0	25	0
683	SUNY New Paltz	251	182	3	16	22	28	0
684	U. Scranton	240	19	42	12	0	167	0
685	SUNY C. of A&T Morrisville	233	11	184	0	0	38	0
686	MA C. of Pharmacy and Health Sciences	232	38	0	194	0	0	0
687	CUNY New York City C. of Technology	231	81	0	13	9	128	0
688	Canisius C.	221	154	5	1	61	0	0
689	Jarvis Christian C.	216	184	0	0	32	0	0
690	Dowling C.	200	200	0	0	0	0	0
691	Eastern OR U.	200	116	20	0	6	58	0
692	North GA C. & State U.	197	176	0	0	21	0	0
693	Southeastern OK State U.	192	171	15	0	3	3	0
694	NJ City U.	188	132	0	0	0	56	0
695	Benedictine U.	186	42	0	0	20	124	0
696	Fitchburg State C.	174	174	0	0	0	0	0
697	Carlos Albizu U. (San Juan, PR)	165	0	0	0	0	165	0
698	Sarah Lawrence C.	158	60	0	0	98	0	0

i = imputed. NA = not available; data were not provided by institution.

<sup>a</sup> The Johns Hopkins University includes Applied Physics Laboratory, with \$1,079,931 in total R&D expenditures in FY 2010.

NOTES: This table represents institution aggregations used in FY 2009 and previous survey years. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.

## **Appendix D. HERD Survey Short Form Data Collection**

During the FY 2010 collection cycle, the National Science Foundation (NSF) also conducted an abbreviated version of the Higher Education Research and Development (HERD) Survey. Known as the Higher Education Research and Development Survey Short Form, it was administered to all academic institutions in the United States and outlying areas that granted a 4-year degree or higher and were not already included in the HERD Survey population.

The goal of the HERD Short Form was to measure the amount of academic research and development not being captured by the HERD Survey and to assess possible methodologies for developing future frames for the HERD Survey.

### **Scope of the Survey**

The HERD Short Form was sent to 1,715 higher education institutions in the United States, Guam, Puerto Rico, and the U.S. Virgin Islands that granted bachelor's degrees or higher, in any field, and were not part of the FY 2010 HERD Survey population. The HERD population included all institutions that reported \$150,000 or more in R&D expenditures in science and engineering (S&E) fields on the FY 2009 HERD Survey.

The initial HERD Short Form population included both for-profit and nonprofit higher education institutions. At the conclusion of data collection, the response rate for for-profit institutions was significantly lower than that of nonprofit higher education institutions. Many of these institutions were reluctant to share their proprietary financial data with NSF and the public. Also, the amount of R&D expenditures reported by those for-profit institutions that did respond was extremely minimal (only 0.5% of the R&D expenditures reported to the FY 2010 HERD Short Form). NSF decided to remove the 139 for-profit institutions from the survey population frame and the final counts. The final population for the HERD Short Form included 1,576 institutions.

### **FY 2010 HERD Short Form Frame Design**

Together, the HERD Survey and HERD Short Form are a census of all eligible academic institutions. The survey frame was developed using data from the FY 2007 NSF Survey of Federal S&E Support to Universities, Colleges, and Nonprofit Institutions (Federal S&E Support Survey); FY 2008 data from the National Center for Education Statistics Integrated Postsecondary Education Data System (IPEDS); and the 2011 Higher Education Directory, published annually by Higher Education Publications. The Office of Postsecondary Education accreditation database, the Council for Higher Education Accreditation database, and institution websites were used as secondary sources to resolve inconsistencies and help merge the three sources into a unified frame. All institutions identified as offering a bachelor's degree or higher from any of the three main sources were considered for inclusion in the frame.

Information about geographic location and senior administration was also reviewed to determine whether institutions met NSF's new reporting criteria of being geographically separate from other institutions in their university system and being headed by a president or chancellor (see appendix C for more information about changes in reporting levels).

### **Survey Instrument**

The HERD Short Form was administered as a Web-based survey consisting of four questions. The survey was also available as an Adobe Portable Document Format file (see appendix B for both the HERD Survey and HERD Short Form instruments), but to facilitate a timely collection, respondents were encouraged to use the website. The information needed to complete this survey could generally be found in the institution's year-end accounting records.

**Question 1** was a screener asking whether the institution had any R&D in FY 2010. Institutions that indicated they did not have R&D were instructed to skip questions 2 and 3.

**Question 2** was a request for total current expenditures for separately budgeted R&D by source of funds. Institutions were asked to identify expenditures from the following sources: U.S. federal government, state and local government, business, nonprofit organizations, institutional funds, and all other sources.

**Question 3** requested the month in which the institution's FY 2010 fiscal year ended.

**Question 4** requested contact information for future communications regarding the survey response.

## **Data Collection**

The FY 2010 HERD Short Form was conducted in two stages. The first stage focused on soliciting senior administrators to commit to completing the survey and to identifying the proper point of contact. The second stage was the administration of the survey to the designated contact.

### **Identifying the Point of Contact**

In February 2011, letters were mailed to each institution's senior administrator (typically, an individual with the title of chancellor or president). The letter explained the purpose of the survey and notified administrators that they would be receiving an e-mail asking them to designate a respondent for the survey. Eight days later, e-mails were sent to administrators containing a link to a Web-based form that could be used to designate a point of contact.[1] Each link provided respondents with access to the form specific to their institution without having to enter login information. Institutions were asked to name their designated contact by 7 March 2011. Reminders were sent via e-mail before and after the announced due date. Beginning in May 2011, administrators who had not responded were contacted by phone and asked to provide a point of contact. Efforts to identify a point of contact ended in early June 2011. Institutions that responded to requests to name a contact by saying they did not have R&D were considered respondents to the survey.

### **Administering the Survey**

Designated contacts were e-mailed a link to their institution's survey as soon as they were appointed. Each institution was given 2–3 weeks to complete the survey.[2] Reminders were sent via e-mail before and after the announced due date. After two nonresponse reminder e-mails, attempts were made to reach the designated contact by phone. Final nonresponse communications were conducted via phone with the senior administrator, who was asked to appoint a new contact.

Regular data collection efforts ended in July 2011. Special collection efforts continued until early August 2011 for 10 institutions that reported \$1 million or more in research expenditures in FY 2008 to the IPEDS Finance Survey.

## **Response Rates**

A total of 1,015 out of 1,576 (64.4%) institutions responded to the FY 2010 HERD Short Form. Responses were received from 80.8% of public nonprofit academic institutions and 61.9% of private nonprofit academic institutions. Table D-1 displays a detailed breakdown of unit response rates, by highest degree granted and institutional control.

Of the 1,015 institutions responding to the Short Form, 187 (18.4%) met the \$150,000 inclusion threshold for the HERD Survey population. Of those, 38 (20.3%) were doctoral-granting institutions, 108 (57.8%) were master's-granting institutions, 36 (19.3%) were bachelor's-granting institutions, and 5 (2.7%) granted first professional degrees only. These institutions will be asked to participate in the full HERD Survey for FY 2011.

## Analysis

The combined results of the HERD Survey and HERD Short Form are the best available account of all R&D expenditures at the nation's colleges and universities in FY 2010.

Analysis of the HERD Short Form results shows that the HERD Survey captures almost all academic R&D expenditures. Of the more than \$61.49 billion in R&D reported to both the HERD Survey and HERD Short Form for FY 2010, roughly \$258 million (0.42%) was from the HERD Short Form population. Table D-2 shows R&D expenditures by survey population and source of funds. For institutions in the HERD Survey population, 61.2% of expenditures were from federal sources. For institutions in the HERD Short Form population, 51.3% of expenditures were from federal sources.

Table D-3 shows R&D expenditures, by highest degree offered, institutional control, and source of funds.

## Data Availability

Table D-4 shows expenditures—by state, institutional control, and source of funds—for all institutions in the HERD Short Form population reporting total R&D expenditures greater than zero. For more information about the HERD Short Form instrument, data collection procedures, or data, contact the NSF project manager.

## Appendix Tables

Table **Higher Education R&D Survey short form data collection: FY 2010**

D-1 response rates, by highest degree granted and institutional control

### **Higher education R&D expenditures, by source of funds**

D-2 by survey population

reported on short form

D-3 by highest degree granted and institutional control

D-4 by state, institutional control, and institution

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## Note

[1] E-mail addresses for 103 institutions were not available. Requests to designate points of contact were sent to these institutions by mail.

[2] Initial due date for the survey was 3 weeks from the time that the point of contact was appointed. This was changed to 2 weeks beginning in April 2011.

TABLE D-1. Response rates for the Higher Education Research and Development Short Form, by highest degree granted and institutional control: FY 2010

Type of institution	Number in survey universe	Met inclusion threshold <sup>a</sup>	Under inclusion threshold <sup>a</sup>	Total responses	Response rate (%)
All institutions	1,576	187	828	1,015	64.4
Doctorate	229	38	99	137	59.8
Master's	816	108	442	550	67.4
Bachelor's	442	36	262	298	67.4
First professional only	89	5	25	30	33.7
Public	208	63	105	168	80.8
Private nonprofit	1,368	124	723	847	61.9

<sup>a</sup> Public and private nonprofit academic institutions reporting over \$150,000 in total R&D expenditures will be included in FY 2011 Higher Education Research and Development (HERD) Survey population. Because of small number of for-profit academic institutions reporting R&D expenditures, these institutions will not be included in FY 2011 population.

NOTE: HERD Short Form consisted of question 1 from HERD Survey and was sent to all 4-year-and-above institutions not currently included in HERD Survey.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Short Form, FY 2010.

TABLE D-2. Higher education R&D expenditures, by survey population and source of funds: FY 2010  
(Dollars in thousands)

Survey population	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
Higher Education Research and Development Survey population	61,234,893	37,487,673	3,853,598	3,209,441	3,764,291	11,897,220	1,022,670
Higher Education Research and Development Short Form <sup>a</sup> population	258,258	132,487	18,189	7,862	37,177	60,638	1,904
Institutions over inclusion threshold <sup>b</sup>	248,569	128,569	17,440	7,554	35,882	57,340	1,783
Institutions under inclusion threshold <sup>b</sup>	9,689	3,918	749	308	1,295	3,297	122

<sup>a</sup> Higher Education Research and Development (HERD) Short Form consisted of question 1 from HERD Survey and was sent to all 4-year-and-above institutions not currently included in HERD Survey.

<sup>b</sup> Public and private nonprofit academic institutions reporting over \$150,000 in total R&D expenditures will be included in FY 2011 HERD Survey population.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, HERD Short Form, FY 2010.



TABLE D-3. Higher education R&D expenditures reported on the Higher Education Research and Development Short Form, by highest degree granted, institutional control, and source of funds: FY 2010

Type of institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
All institutions	258,257,707	132,486,633	18,189,174	7,862,244	37,177,279	60,637,902	1,904,475
Doctorate	120,303,981	69,061,437	2,771,627	4,795,185	27,953,415	15,694,771	27,546
Master's	112,622,248	47,883,831	14,425,162	2,792,180	7,414,195	38,573,947	1,532,933
Bachelor's	22,166,888	15,131,926	992,385	64,620	1,166,558	4,467,403	343,996
First professional only	3,164,590	409,439	0	210,259	643,111	1,901,781	0
Public	70,301,287	33,760,592	8,794,664	1,379,050	2,001,320	22,930,585	1,435,076
Private nonprofit	187,956,420	98,726,041	9,394,510	6,483,194	35,175,959	37,707,317	469,399

NOTE: Higher Education Research and Development (HERD) Short Form consisted of question 1 from HERD Survey and was sent to all 4-year-and-above institutions not currently included in HERD Survey.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, HERD Short Form, FY 2010.

TABLE D-4. Higher education R&D expenditures reported on the Higher Education Research and Development Short Form, by state, institutional control, and source of funds: FY 2010

State, control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
United States	258,257,707	132,486,633	18,189,174	7,862,244	37,177,279	60,637,902	1,904,475
Public	70,301,287	33,760,592	8,794,664	1,379,050	2,001,320	22,930,585	1,435,076
Private nonprofit	187,956,420	98,726,041	9,394,510	6,483,194	35,175,959	37,707,317	469,399
Alabama	1,035,631	608,160	0	45,310	32,161	350,000	0
Public	976,470	608,160	0	45,310	3,000	320,000	0
Air U.	250,000	0	0	0	0	250,000	0
U. North AL	550,000	500,000	0	0	0	50,000	0
U. West AL	176,470	108,160	0	45,310	3,000	20,000	0
Private nonprofit	59,161	0	0	0	29,161	30,000	0
Faulkner U.	30,000	0	0	0	0	30,000	0
Samford U.	29,161	0	0	0	29,161	0	0
Arizona	262,922	158,648	14,068	29,357	60,849	0	0
Private nonprofit	262,922	158,648	14,068	29,357	60,849	0	0
Prescott C.	262,922	158,648	14,068	29,357	60,849	0	0
Arkansas	1,137,708	654,002	88,255	0	0	395,451	0
Public	407,991	95,252	35,929	0	0	276,810	0
Henderson State U.	73,345	0	26,027	0	0	47,318	0
Southern AR U. main campus	234,327	17,618	4,153	0	0	212,556	0
U. AR Monticello	100,319	77,634	5,749	0	0	16,936	0
Private nonprofit	729,717	558,750	52,326	0	0	118,641	0
Harding U.	111,483	85,284	4,977	0	0	21,222	0
John Brown U.	174,756	31,670	47,349	0	0	95,737	0
Lyon C.	220,439	220,439	0	0	0	0	0
Ouachita Baptist U.	222,539	221,357	0	0	0	1,182	0
Williams Baptist C.	500	0	0	0	0	500	0
California	16,675,217	6,056,816	3,923,228	732,936	1,244,922	4,698,933	18,382
Public	5,174,346	2,742,200	1,241,216	123,564	228,831	833,603	4,932
CA Maritime Academy	1,708,129	922,065	346,791	3,540	0	435,733	0
CA State U.-Channel Islands	1,464,308	782,453	531,831	60,024	0	90,000	0
CA State U.-Stanislaus	1,489,107	1,037,682	362,594	0	88,831	0	0
U. CA Hastings C. of Law	512,802	0	0	60,000	140,000	307,870	4,932
Private nonprofit	11,500,871	3,314,616	2,682,012	609,372	1,016,091	3,865,330	13,450
Alliant International U.	125,840	52,955	14,785	0	0	58,100	0
American Jewish U.	27,500	0	0	0	0	27,500	0
Art Ctr. C. of Design	250,000	0	0	0	250,000	0	0
Azusa Pacific U.	1,130,000	60,000	30,000	50,000	0	990,000	0

TABLE D-4. Higher education R&D expenditures reported on the Higher Education Research and Development Short Form, by state, institutional control, and source of funds: FY 2010

State, control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
CA Lutheran U.	325,085	171,297	22,800	5,500	23,276	102,212	0
CA Northstate C. of Pharmacy	160,000	0	0	0	0	160,000	0
Claremont School of Theology	522,839	0	0	10,000	240,700	272,139	0
Epic Bible C.	4,000	0	0	0	2,000	2,000	0
Holy Names U.	15,000	0	10,000	0	0	5,000	0
Institute of Transpersonal Psychology	8,431	0	0	0	0	8,431	0
Keck Graduate Institute	2,629,194	1,568,134	0	339,131	190,618	531,311	0
La Sierra U.	410,819	215,400	0	0	74,000	121,419	0
Life Chiropractic C. West	248,500	0	0	8,500	54,000	186,000	0
Lincoln U.	1,200	0	0	0	0	1,200	0
National Flight Test Institute	100,000	0	0	0	0	100,000	0
National U.	3,091,365	669,243	2,232,879	0	64,221	125,022	0
Palmer C. of Chiropractic, San Jose	68,499	0	0	0	0	68,499	0
Palo Alto U.	663,787	278,789	371,548	0	0	0	13,450
Point Loma Nazarene U.	89,806	36,811	0	0	52,995	0	0
St. Mary's C. CA	130,919	96,358	0	0	34,561	0	0
Samuel Merritt U.	120,000	0	0	0	0	120,000	0
Scripps C.	563,955	89,865	0	0	29,720	444,370	0
Southern CA C. of Optometry	764,132	75,764	0	196,241	0	492,127	0
Woodbury U.	50,000	0	0	0	0	50,000	0
Colorado	50,400	50	50	100	20,100	30,050	50
Private nonprofit	50,400	50	50	100	20,100	30,050	50
American U. Armenia	400	50	50	100	100	50	50
Rocky Vista U.	50,000	0	0	0	20,000	30,000	0
Connecticut	342,318	13,475	0	52,290	15,105	240,519	20,929
Public	163,168	3,335	0	20,123	15,105	103,676	20,929
Eastern CT State U.	163,168	3,335	0	20,123	15,105	103,676	20,929
Private nonprofit	179,150	10,140	0	32,167	0	136,843	0
U. Bridgeport	179,150	10,140	0	32,167	0	136,843	0
District of Columbia	75,000	0	0	0	75,000	0	0
Private nonprofit	75,000	0	0	0	75,000	0	0
Institute of World Politics, The	75,000	0	0	0	75,000	0	0
Florida	4,138,443	2,341,969	147,727	0	480,541	1,168,206	0
Public	741,580	503,736	125,000	0	0	112,844	0
Daytona State C.	356,988	245,294	0	0	0	111,694	0
Edison State C.	252,749	252,749	0	0	0	0	0
Northwest FL State C.	131,843	5,693	125,000	0	0	1,150	0

TABLE D-4. Higher education R&D expenditures reported on the Higher Education Research and Development Short Form, by state, institutional control, and source of funds: FY 2010

State, control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
Private nonprofit	3,396,863	1,838,233	22,727	0	480,541	1,055,362	0
Bethune-Cookman U.	483,000	243,000	0	0	240,000	0	0
Palmer C. of Chiropractic, Pt. Orange	158,753	0	0	0	0	158,753	0
Rollins C.	501,963	42,836	18,457	0	222,000	218,670	0
St. Leo U.	101,515	0	0	0	0	101,515	0
Stetson U.	2,151,632	1,552,397	4,270	0	18,541	576,424	0
Georgia	1,347,528	909,566	88,060	81,305	75,847	192,750	0
Public	814,299	527,287	88,060	79,305	69,647	50,000	0
Augusta State U.	98,604	75,020	0	0	23,584	0	0
Clayton State U.	11,710	9,200	0	0	2,510	0	0
Columbus State U.	126,277	119,583	0	4,194	2,500	0	0
GA Southwestern State U.	56,681	16,165	1,025	11,238	28,253	0	0
Valdosta State U.	521,027	307,319	87,035	63,873	12,800	50,000	0
Private nonprofit	533,229	382,279	0	2,000	6,200	142,750	0
Brenau U.	31,000	0	0	0	0	31,000	0
LaGrange C.	11,750	0	0	0	0	11,750	0
Life U.	102,000	0	0	2,000	0	100,000	0
Paine C.	382,279	382,279	0	0	0	0	0
Young Harris C.	6,200	0	0	0	6,200	0	0
Hawaii	6,029,592	5,127,888	64,229	0	43,867	793,608	0
Public	1,095,079	964,765	64,229	0	0	66,085	0
U. HI Maui C.	4,117	4,117	0	0	0	0	0
U. HI-West Oahu	1,090,962	960,648	64,229	0	0	66,085	0
Private nonprofit	4,934,513	4,163,123	0	0	43,867	727,523	0
Chaminade U. Honolulu	118,209	71,489	0	0	0	46,720	0
HI Pacific U.	4,816,304	4,091,634	0	0	43,867	680,803	0
Idaho	350,000	305,000	0	10,000	35,000	0	0
Private nonprofit	350,000	305,000	0	10,000	35,000	0	0
Northwest Nazarene U.	350,000	305,000	0	10,000	35,000	0	0
Illinois	5,079,137	1,369,312	1,473,260	33,892	1,072,734	1,122,150	7,789
Public	214,148	7,261	80,010	1,705	1,651	123,521	0
U. Southern IN	214,148	7,261	80,010	1,705	1,651	123,521	0
Private nonprofit	4,864,989	1,362,051	1,393,250	32,187	1,071,083	998,629	7,789
Blackburn C.	10,000	0	0	0	0	10,000	0
Chicago School of Professional Psychology	358,000	0	0	0	71,000	287,000	0
Columbia C. Chicago	396,530	396,530	0	0	0	0	0

TABLE D-4. Higher education R&D expenditures reported on the Higher Education Research and Development Short Form, by state, institutional control, and source of funds: FY 2010

State, control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
Dominican U.	397,631	397,631	0	0	0	0	0
Elmhurst C.	196,294	40,901	0	0	5,242	144,757	5,394
Erikson Institute	2,385,704	99,091	1,393,250	0	893,363	0	0
Illinois C.	21,601	5,279	0	6,832	0	9,490	0
Knox C.	312,926	172,516	0	0	12,302	128,108	0
McKendree U.	90,316	43,384	0	0	19,114	27,818	0
Millikin U.	56,511	0	0	25,355	26,943	1,818	2,395
Monmouth C.	209,306	166,187	0	0	43,119	0	0
North Central C.	174,783	40,532	0	0	0	134,251	0
St. Xavier U.	86,482	0	0	0	0	86,482	0
School of the Art Institute Chicago	36,000	0	0	0	0	36,000	0
Trinity Christian C.	132,905	0	0	0	0	132,905	0
Indiana	1,873,562	560,769	97,034	15,644	378,016	817,099	5,000
Public	258,305	0	4,645	0	67,348	186,312	0
IN U. East	75,490	0	0	0	10,784	64,706	0
IN U. Kokomo	35,459	0	0	0	0	35,459	0
IN U. Northwest	147,356	0	4,645	0	56,564	86,147	0
Private nonprofit	1,615,257	560,769	92,389	15,644	310,668	630,787	5,000
Butler U.	704,040	120,802	6,283	4,983	247,559	324,413	0
Earlham C.	265,893	67,496	0	0	24,057	174,340	0
IN Wesleyan U.	64,642	64,642	0	0	0	0	0
Marian C.	40,000	0	0	0	15,000	20,000	5,000
St. Mary's C.	65,750	5,750	0	0	0	60,000	0
Taylor U.	295,268	201,119	12,402	10,661	19,052	52,034	0
U. Evansville	100,960	100,960	0	0	0	0	0
U. Indianapolis	78,704	0	73,704	0	5,000	0	0
Iowa	564,310	362,103	63,127	1,051	7,182	113,621	17,226
Private nonprofit	564,310	362,103	63,127	1,051	7,182	113,621	17,226
Buena Vista U.	500	0	500	0	0	0	0
Central C.	19,000	0	0	0	0	15,000	4,000
Cornell C.	68,467	31,775	20,132	1,051	7,182	8,327	0
Dordt C.	80,165	43,619	17,495	0	0	5,825	13,226
Loras C.	300,000	250,000	20,000	0	0	30,000	0
Northwestern C.	36,709	36,709	0	0	0	0	0
Simpson C.	15,000	0	5,000	0	0	10,000	0
Wartburg C.	44,469	0	0	0	0	44,469	0

TABLE D-4. Higher education R&D expenditures reported on the Higher Education Research and Development Short Form, by state, institutional control, and source of funds: FY 2010

State, control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
Kansas	1,034,655	920,622	19,168	0	34,747	60,118	0
Public	753,910	650,377	19,168	0	32,747	51,618	0
Emporia State U.	546,329	442,796	19,168	0	32,747	51,618	0
Washburn U.	207,581	207,581	0	0	0	0	0
Private nonprofit	280,745	270,245	0	0	2,000	8,500	0
Baker U.	130,739	130,739	0	0	0	0	0
Benedictine C.	55,000	55,000	0	0	0	0	0
Bethel C.	28,159	17,659	0	0	2,000	8,500	0
U. of St. Mary	66,847	66,847	0	0	0	0	0
Kentucky	1,357,399	318,444	186,360	33,152	353,005	361,633	104,805
Private nonprofit	1,357,399	318,444	186,360	33,152	353,005	361,633	104,805
Bellarmine U.	119,847	16,602	1,592	8,152	55,803	36,448	1,250
Berea C.	413,638	180,820	0	0	129,263	0	103,555
Centre C.	772,914	111,022	184,768	0	151,939	325,185	0
Thomas More C.	51,000	10,000	0	25,000	16,000	0	0
Louisiana	99,253	36,662	38,610	0	0	23,981	0
Public	46,301	7,691	38,610	0	0	0	0
LA State U. Alexandria	46,301	7,691	38,610	0	0	0	0
Private nonprofit	52,952	28,971	0	0	0	23,981	0
Centenary C. LA	50,952	28,971	0	0	0	21,981	0
Our Lady of Holy Cross C.	2,000	0	0	0	0	2,000	0
Maine	394,000	287,000	10,000	87,000	0	10,000	0
Public	384,000	287,000	10,000	87,000	0	0	0
ME Maritime Academy	384,000	287,000	10,000	87,000	0	0	0
Private nonprofit	10,000	0	0	0	0	10,000	0
Husson U.	10,000	0	0	0	0	10,000	0
Maryland	3,852,104	3,032,496	414,000	24,000	69,771	308,637	3,200
Public	1,722,161	1,722,161	0	0	0	0	0
Bowie State U.	1,722,161	1,722,161	0	0	0	0	0
Private nonprofit	2,129,943	1,310,335	414,000	24,000	69,771	308,637	3,200
Capitol C.	954,465	954,465	0	0	0	0	0
C. of Notre Dame MD	550,000	0	350,000	0	0	200,000	0
MD Institute C. of Art	174,000	0	64,000	24,000	56,000	30,000	0
McDaniel C.	27,079	0	0	0	13,771	13,308	0
Stevenson U.	79,077	40,000	0	0	0	35,877	3,200
Washington C.	345,322	315,870	0	0	0	29,452	0

TABLE D-4. Higher education R&D expenditures reported on the Higher Education Research and Development Short Form, by state, institutional control, and source of funds: FY 2010

State, control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
Massachusetts	5,751,785	3,606,005	105,635	385,365	203,052	1,451,728	0
Public	176,672	83,526	0	12,863	15,845	64,438	0
MA C. of Liberal Arts	68,291	21,609	0	12,863	0	33,819	0
Salem State C.	108,381	61,917	0	0	15,845	30,619	0
Private nonprofit	5,575,113	3,522,479	105,635	372,502	187,207	1,387,290	0
Assumption C.	69,146	0	0	0	7,346	61,800	0
Babson C.	370,000	200,000	0	50,000	0	120,000	0
Bard C. Simon's Rock	124,611	86,731	0	0	0	37,880	0
Franklin W. Olin C. of Engineering	532,962	369,702	0	9,135	0	154,125	0
Lasell C.	8,500	0	0	0	2,500	6,000	0
Lesley U.	947,575	942,713	0	0	4,862	0	0
Merrimack C.	41,160	41,160	0	0	0	0	0
MGH Institute of Health Professions	367,786	208,509	0	0	139,277	20,000	0
New England School of Acupuncture	725,493	725,493	0	0	0	0	0
Suffolk U.	1,114,851	188,068	0	0	5,298	921,485	0
Wentworth Institute of Technology	106,000	87,000	0	0	19,000	0	0
Western New England C.	774,850	351,414	105,635	313,367	4,434	0	0
Wheaton C.	321,689	321,689	0	0	0	0	0
Wheelock C.	70,490	0	0	0	4,490	66,000	0
Michigan	1,421,137	188,502	7,124	362,840	298,612	489,607	74,452
Public	863,672	152,181	7,124	356,974	170,312	172,146	4,935
Lake Superior State U.	863,672	152,181	7,124	356,974	170,312	172,146	4,935
Private nonprofit	557,465	36,321	0	5,866	128,300	317,461	69,517
Albion C.	389,407	3,416	0	0	128,300	257,691	0
Alma C.	88,112	3,785	0	5,866	0	8,944	69,517
Aquinas C.	50,826	0	0	0	0	50,826	0
Madonna U.	29,120	29,120	0	0	0	0	0
Minnesota	4,890,251	2,848,335	81,085	23,391	428,854	1,443,287	65,299
Public	1,347,927	780,753	80,148	7,000	14,451	465,575	0
Bemidji State U.	303,000	6,000	78,000	7,000	8,000	204,000	0
MN State U.-Moorhead	897,680	733,628	0	0	0	164,052	0
U. MN Crookston	147,247	41,125	2,148	0	6,451	97,523	0
Private nonprofit	3,542,324	2,067,582	937	16,391	414,403	977,712	65,299
Augsburg C.	1,177,897	1,134,209	0	11,391	6,981	0	25,316
C. of St. Benedict	1,345,174	506,336	0	0	0	838,838	0
C. of St. Catherine	532,199	296,736	0	0	162,279	47,022	26,162
Hamline U.	281,528	118,256	937	0	71,662	76,852	13,821

TABLE D-4. Higher education R&D expenditures reported on the Higher Education Research and Development Short Form, by state, institutional control, and source of funds: FY 2010

State, control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
Northwestern C. (St. Paul, MN)	20,000	0	0	5,000	0	15,000	0
St. Mary's U. MN	12,045	12,045	0	0	0	0	0
United Theological Seminary of the Twin Cities	22,290	0	0	0	22,290	0	0
William Mitchell C. of Law	151,191	0	0	0	151,191	0	0
Mississippi	135,080	111,512	0	0	22,500	1,068	0
Private nonprofit	135,080	111,512	0	0	22,500	1,068	0
MS C.	130,351	106,783	0	0	22,500	1,068	0
William Carey U.	4,729	4,729	0	0	0	0	0
Missouri	3,116,443	1,942,536	414,564	41,299	29,674	458,492	229,878
Public	2,112,958	1,263,992	414,564	34,795	17,064	152,665	229,878
MO Western State U.	74,226	0	0	0	0	74,226	0
Northwest MO State U.	1,082,808	1,048,870	0	0	0	33,938	0
Southeast MO State U.	99,612	0	20,316	34,795	0	44,501	0
U. Central MO	856,312	215,122	394,248	0	17,064	0	229,878
Private nonprofit	1,003,485	678,544	0	6,504	12,610	305,827	0
Avila U.	13,544	1,544	0	0	12,000	0	0
Barnes-Jewish C. Goldfarb School of Nursing	532,000	292,000	0	0	0	240,000	0
Park U.	385,610	385,000	0	0	610	0	0
Rockhurst U.	38,905	0	0	0	0	38,905	0
Westminster C.	33,426	0	0	6,504	0	26,922	0
Montana	574,144	395,001	131,794	0	41,666	0	5,683
Public	519,404	380,066	131,794	0	1,861	0	5,683
MT State U.-Northern	519,404	380,066	131,794	0	1,861	0	5,683
Private nonprofit	54,740	14,935	0	0	39,805	0	0
U. Great Falls	54,740	14,935	0	0	39,805	0	0
Nebraska	763,155	705,347	0	0	0	57,808	0
Public	182,961	182,961	0	0	0	0	0
Wayne State C.	182,961	182,961	0	0	0	0	0
Private nonprofit	580,194	522,386	0	0	0	57,808	0
Doane C.	311,435	283,627	0	0	0	27,808	0
Nebraska Wesleyan U.	268,759	238,759	0	0	0	30,000	0
New Hampshire	59,400	51,000	0	0	5,400	3,000	0
Public	59,400	51,000	0	0	5,400	3,000	0
Keene State C.	59,400	51,000	0	0	5,400	3,000	0



TABLE D-4. Higher education R&D expenditures reported on the Higher Education Research and Development Short Form, by state, institutional control, and source of funds: FY 2010

State, control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
New Jersey	5,032,544	3,178,181	577,186	123,100	153,020	1,001,057	0
Public	3,426,532	1,823,676	577,186	96,100	102,020	827,550	0
Kean U.	1,576,935	1,092,279	0	0	4,000	480,656	0
Ramapo C. NJ	555,045	340,625	18,650	0	65,520	130,250	0
Richard Stockton C. NJ, The	1,294,552	390,772	558,536	96,100	32,500	216,644	0
Private nonprofit	1,606,012	1,354,505	0	27,000	51,000	173,507	0
Drew U.	556,012	354,505	0	27,000	51,000	123,507	0
St. Peter's C.	1,050,000	1,000,000	0	0	0	50,000	0
New Mexico	911,558	911,558	0	0	0	0	0
Public	900,500	900,500	0	0	0	0	0
Dine C.	900,500	900,500	0	0	0	0	0
Private nonprofit	11,058	11,058	0	0	0	0	0
St. John's C. (Santa Fe, NM)	11,058	11,058	0	0	0	0	0
New York	101,015,799	56,741,655	3,275,239	3,957,000	26,586,951	10,289,154	165,800
Public	2,439,888	1,450,505	349,573	318,000	46,966	130,844	144,000
CUNY York C.	1,173,020	1,047,737	0	0	36,195	89,088	0
Farmingdale State C.	228,000	86,000	0	0	0	0	142,000
Fashion Institute of Technology	771,000	150,000	300,000	318,000	0	3,000	0
SUNY C. of Technology Canton	53,570	0	47,142	0	0	6,428	0
SUNY Empire State C.	75,853	43,525	0	0	0	32,328	0
SUNY Purchase C.	138,445	123,243	2,431	0	10,771	0	2,000
Private nonprofit	98,575,911	55,291,150	2,925,666	3,639,000	26,539,985	10,158,310	21,800
Bank Street C. of Ed.	238,082	174,861	0	0	43,221	20,000	0
Bard C.	420,818	340,592	0	0	0	80,226	0
Cold Spring Harbor Laboratory/Watson School of Biological Sciences	90,800,000	51,200,000	470,000	3,600,000	26,330,000	9,200,000	0
Excelsior C.	193,869	193,869	0	0	0	0	0
Hartwick C.	204,278	23,345	27,639	0	0	153,294	0
Houghton C.	90,000	10,000	0	0	0	60,000	20,000
Iona C.	258,544	258,544	0	0	0	0	0
Le Moyne C.	115,274	42,912	0	0	0	72,362	0
Marymount Manhattan C.	32,058	0	0	0	0	32,058	0
Nazareth C.	263,220	74,891	0	0	0	188,329	0
Paul Smith's C.	289,596	274,538	0	0	0	15,058	0
Sage Colleges, System Office, The	133,488	63,778	0	0	0	69,710	0
St. Lawrence U.	78,599	64,599	12,000	2,000	0	0	0
Touro C.	4,275,017	1,882,521	2,362,732	0	29,764	0	0
Union Graduate C.	277,838	215,465	42,373	0	0	20,000	0
Utica C.	347,785	320,512	0	0	0	27,273	0

TABLE D-4. Higher education R&D expenditures reported on the Higher Education Research and Development Short Form, by state, institutional control, and source of funds: FY 2010

State, control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
Wagner C.	548,542	141,820	10,922	37,000	137,000	220,000	1,800
Webb Institute	8,903	8,903	0	0	0	0	0
North Carolina	2,262,405	1,058,911	93,887	1,000	88,313	1,020,294	0
Public	932,674	924,313	4,914	0	3,447	0	0
Winston-Salem State U.	932,674	924,313	4,914	0	3,447	0	0
Private nonprofit	1,329,731	134,598	88,973	1,000	84,866	1,020,294	0
Bennett C. for Women	41,765	41,765	0	0	0	0	0
Elon U.	1,024,466	42,833	86,473	0	9,866	885,294	0
Guilford C.	10,000	0	0	0	0	10,000	0
Pfeiffer U.	100,000	25,000	0	0	75,000	0	0
Warren Wilson C.	153,500	25,000	2,500	1,000	0	125,000	0
North Dakota	772,544	709,913	55,376	0	0	7,255	0
Public	772,544	709,913	55,376	0	0	7,255	0
Dickinson State U.	396,438	389,183	0	0	0	7,255	0
Sitting Bull C.	200,000	200,000	0	0	0	0	0
Valley City State U.	176,106	120,730	55,376	0	0	0	0
Ohio	3,205,321	1,550,596	401,820	258,639	610,454	383,812	0
Public	369,623	340,164	26,374	0	3,085	0	0
Shawnee State U.	369,623	340,164	26,374	0	3,085	0	0
Private nonprofit	2,835,698	1,210,432	375,446	258,639	607,369	383,812	0
Ashland U.	498,121	477,768	0	0	20,353	0	0
Baldwin-Wallace C.	251,691	42,270	0	126,857	82,564	0	0
Defiance C.	492,000	0	0	25,000	145,000	322,000	0
Heidelberg U.	911,901	560,988	39,461	40,000	271,452	0	0
Hiram C.	289,023	27,604	212,825	41,782	0	6,812	0
Malone U.	233,000	0	100,000	10,000	68,000	55,000	0
Marietta C.	51,200	36,200	0	15,000	0	0	0
Otterbein C.	108,762	65,602	23,160	0	20,000	0	0
Oklahoma	1,424,790	1,301,719	62,594	0	0	60,477	0
Public	1,201,144	1,107,573	62,594	0	0	30,977	0
Cameron U.	493,072	468,072	0	0	0	25,000	0
East Central U.	647,043	625,455	21,588	0	0	0	0
Northwestern OK State U.	12,371	0	12,371	0	0	0	0
Rogers State U.	48,658	14,046	28,635	0	0	5,977	0
Private nonprofit	223,646	194,146	0	0	0	29,500	0
OK Christian U.	25,000	0	0	0	0	25,000	0
Oral Roberts U.	194,146	194,146	0	0	0	0	0

TABLE D-4. Higher education R&D expenditures reported on the Higher Education Research and Development Short Form, by state, institutional control, and source of funds: FY 2010

State, control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
St. Gregory's U.	4,500	0	0	0	0	4,500	0
Oregon	1,046,318	717,015	5,000	10,328	147,358	166,617	0
Public	195,472	195,472	0	0	0	0	0
OR Institute of Technology	195,472	195,472	0	0	0	0	0
Private nonprofit	850,846	521,543	5,000	10,328	147,358	166,617	0
George Fox U.	150,000	20,000	5,000	0	50,000	75,000	0
Linfield C.	237,885	54,008	0	0	97,358	86,519	0
National C. of Natural Medicine	462,961	447,535	0	10,328	0	5,098	0
Pennsylvania	37,508,698	9,317,346	3,683,828	425,798	1,213,899	21,730,346	1,137,481
Public	29,762,181	7,821,417	3,282,307	135,006	725,368	16,813,958	984,125
Bloomsburg U. PA	901,300	709,600	55,300	0	10,400	119,000	7,000
California U. PA	918,581	602,185	174,468	112,663	29,265	0	0
Clarion U. PA	4,864,541	3,603,691	1,230,742	0	30,108	0	0
East Stroudsburg U. PA	1,215,637	952,500	112,608	0	81,471	69,058	0
Kutztown U. PA	183,196	57,784	81,490	0	14,404	29,518	0
Lock Haven U.	7,250	0	7,250	0	0	0	0
PA State U. Abington	9,822	0	0	0	0	9,822	0
PA State U. Brandywine	129,868	127,521	0	2,290	0	57	0
PA State U. Greater Allegheny	19,859	0	0	0	0	19,859	0
PA State U. Hazleton	1,415	0	0	1,415	0	0	0
PA State U. Lehigh Valley	66,865	66,865	0	0	0	0	0
PA State U. Mont Alto	50,529	50,457	0	0	0	72	0
PA State U. New Kensington	9,721	9,721	0	0	0	0	0
PA State U, Wilkes-Barre	1,256	0	0	0	1,256	0	0
PA State U. York	22,273	0	0	18,638	3,635	0	0
Shippensburg U. PA	4,482,693	1,386,136	1,619,404	0	450,028	50,000	977,125
Slippery Rock U. PA	420,303	47,304	1,045	0	72,782	299,172	0
U.S. Army War C.	16,217,400	0	0	0	0	16,217,400	0
U. Pittsburgh-Bradford	201,874	201,874	0	0	0	0	0
U. Pittsburgh-Greensburg	37,798	5,779	0	0	32,019	0	0
Private nonprofit	7,746,517	1,495,929	401,521	290,792	488,531	4,916,388	153,356
Albright C.	147,700	0	0	0	44,500	103,200	0
Bryn Athyn C.	290,337	0	0	0	41,004	249,333	0
Carlow U.	127,885	0	127,885	0	0	0	0
Chatham U.	247,413	247,413	0	0	0	0	0
Gannon U.	506,978	0	142,560	105,102	0	259,316	0
Keystone C.	9,500	0	0	5,000	0	4,500	0
Lycoming C.	417,523	276,946	63,723	2,944	68,620	5,290	0
Marywood U.	232,961	4,848	0	39,381	148,584	40,148	0

TABLE D-4. Higher education R&D expenditures reported on the Higher Education Research and Development Short Form, by state, institutional control, and source of funds: FY 2010

State, control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
Messiah C.	480,575	218,158	7,581	0	23,728	78,027	153,081
Moravian C. and Moravian Theological Seminary	17,390	17,390	0	0	0	0	0
Mt. Aloysius C.	1,500	0	0	0	1,500	0	0
Point Park U.	18,087	0	1,957	0	16,130	0	0
Robert Morris U.	4,000,000	0	0	0	0	4,000,000	0
Rosemont C.	31,000	0	0	0	25,000	6,000	0
St. Vincent C.	106,494	60,071	0	0	12,000	34,423	0
Susquehanna U.	279,093	135,306	8,663	0	69,723	65,401	0
Waynesburg U.	168,000	168,000	0	0	0	0	0
Westminster C.	127,734	111,297	0	0	0	16,437	0
Widener U. main campus	498,347	256,500	49,152	138,365	37,742	16,313	275
Won Institute of Graduate Studies	3,000	0	0	0	0	3,000	0
York C. PA	35,000	0	0	0	0	35,000	0
Rhode Island	9,386,284	3,834,912	51,893	156,732	60,526	5,282,221	0
Public	3,822,383	3,346,008	51,893	0	33,366	391,116	0
RI C.	3,822,383	3,346,008	51,893	0	33,366	391,116	0
Private nonprofit	5,563,901	488,904	0	156,732	27,160	4,891,105	0
Bryant U.	4,855,150	58,462	0	0	0	4,796,688	0
RI School of Design	372,081	93,772	0	156,732	27,160	94,417	0
Salve Regina U.	336,670	336,670	0	0	0	0	0
South Carolina	7,102,743	6,100,064	28,287	16,740	300,713	641,269	15,670
Public	2,426,135	1,511,371	28,287	16,740	281,651	572,416	15,670
Citadel Military C. SC	360,251	87,425	27,382	16,740	213,034	0	15,670
Francis Marion U.	45,671	41,797	0	0	3,874	0	0
Winthrop U.	2,020,213	1,382,149	905	0	64,743	572,416	0
Private nonprofit	4,676,608	4,588,693	0	0	19,062	68,853	0
Allen U.	4,442,289	4,442,289	0	0	0	0	0
Coker C.	234,319	146,404	0	0	19,062	68,853	0
South Dakota	2,303,766	1,249,640	642,803	30,737	0	380,586	0
Public	1,920,472	888,797	642,803	30,737	0	358,135	0
Dakota State U.	1,506,976	500,839	617,265	30,737	0	358,135	0
Northern State U.	25,538	0	25,538	0	0	0	0
Oglala Lakota C.	387,958	387,958	0	0	0	0	0
Private nonprofit	383,294	360,843	0	0	0	22,451	0
Mt. Marty C.	136,337	136,337	0	0	0	0	0
U. Sioux Falls	246,957	224,506	0	0	0	22,451	0

TABLE D-4. Higher education R&D expenditures reported on the Higher Education Research and Development Short Form, by state, institutional control, and source of funds: FY 2010

State, control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
Tennessee	3,234,155	941,478	1,180,200	206,759	239,642	666,076	0
Public	1,538,539	240,448	1,148,770	5,000	0	144,321	0
Austin Peay State U.	1,538,539	240,448	1,148,770	5,000	0	144,321	0
Private nonprofit	1,695,616	701,030	31,430	201,759	239,642	521,755	0
Bryan C.	5,500	0	0	0	3,000	2,500	0
Christian Brothers U.	242,208	242,208	0	0	0	0	0
King C.	133,065	80,885	0	0	52,180	0	0
Lane C.	253,875	253,875	0	0	0	0	0
Sewanee: The U. of the South	587,254	118,789	31,430	0	45,280	391,755	0
Southern Adventist U.	30,000	0	0	0	0	30,000	0
Southern C. of Optometry	343,714	5,273	0	201,759	129,182	7,500	0
Tusculum C.	50,000	0	0	0	10,000	40,000	0
Union U.	50,000	0	0	0	0	50,000	0
Texas	8,626,726	6,690,404	111,701	591,066	819,961	405,687	7,907
Public	208,957	127,856	49,201	8,344	5	23,551	0
TX A&M U.-Texarkana	171,770	122,569	49,201	0	0	0	0
U. Houston-Victoria	37,187	5,287	0	8,344	5	23,551	0
Private nonprofit	8,417,769	6,562,548	62,500	582,722	819,956	382,136	7,907
Austin C.	188,964	16,158	0	0	157,256	15,550	0
Graduate Institute of Applied Linguistics	37,010	36,103	0	0	0	0	907
Lubbock Christian U.	104,022	0	0	78,722	24,800	500	0
St. Edward's U.	6,924,500	5,880,000	62,500	500,000	275,000	200,000	7,000
Schreiner U.	73,000	0	0	4,000	30,000	39,000	0
Southwestern U.	670,427	588,905	0	0	81,522	0	0
TX Lutheran U.	78,472	0	0	0	55,972	22,500	0
U. of the Incarnate Word	305,374	41,382	0	0	170,406	93,586	0
Wayland Baptist U.	36,000	0	0	0	25,000	11,000	0
Utah	312,658	275,680	2,500	0	34,478	0	0
Public	312,658	275,680	2,500	0	34,478	0	0
Southern UT U.	312,658	275,680	2,500	0	34,478	0	0
Vermont	1,856,476	929,416	116,150	49,000	404,057	357,853	0
Public	231,557	208,786	0	0	0	22,771	0
Castleton State C.	62,369	39,598	0	0	0	22,771	0
Johnson State C.	169,188	169,188	0	0	0	0	0
Private nonprofit	1,624,919	720,630	116,150	49,000	404,057	335,082	0
Champlain C.	411,457	0	36,150	21,000	354,307	0	0
Norwich U.	1,213,462	720,630	80,000	28,000	49,750	335,082	0

TABLE D-4. Higher education R&D expenditures reported on the Higher Education Research and Development Short Form, by state, institutional control, and source of funds: FY 2010

State, control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
Virginia	3,645,161	861,373	143,930	20,527	775,323	1,844,008	0
Public	433,910	35,769	110,455	484	71,917	215,285	0
Longwood U.	73,733	22,349	47,955	0	3,429	0	0
U. of Mary Washington	360,177	13,420	62,500	484	68,488	215,285	0
Private nonprofit	3,211,251	825,604	33,475	20,043	703,406	1,628,723	0
Appalachian C. of Pharmacy	80,000	0	0	0	30,000	50,000	0
Bridgewater C.	66,379	33,915	0	0	9,421	23,043	0
Edward Via C. of Osteopathic Medicine	2,011,185	404,166	0	0	258,738	1,348,281	0
Ferrum C.	210,143	35,876	3,475	20,043	144,249	6,500	0
Hampden-Sydney C.	2,292	2,292	0	0	0	0	0
Hollins U.	63,366	12,181	0	0	2,657	48,528	0
Marymount U.	104,663	39,553	0	0	45,125	19,985	0
Regent U.	426,447	232,200	0	0	190,000	4,247	0
Sweet Briar C.	241,976	60,621	30,000	0	23,216	128,139	0
VA Union U.	4,800	4,800	0	0	0	0	0
Washington	1,967,258	1,346,228	46,282	55,886	202,538	316,324	0
Public	289,684	289,684	0	0	0	0	0
Bellevue C.	289,684	289,684	0	0	0	0	0
Private nonprofit	1,677,574	1,056,544	46,282	55,886	202,538	316,324	0
Pacific Northwest U. of Health Sciences	35,000	0	0	15,000	0	20,000	0
St. Martin's U.	66,048	0	6,452	8,427	28,649	22,520	0
Whitworth U.	1,576,526	1,056,544	39,830	32,459	173,889	273,804	0
West Virginia	1,620,586	853,865	297,514	0	332,261	136,946	0
Public	587,458	359,019	61,934	0	55,755	110,750	0
Bluefield State C.	145,000	145,000	0	0	0	0	0
Concord U.	149,382	76,229	5,027	0	55,755	12,371	0
Shepherd U.	293,076	137,790	56,907	0	0	98,379	0
Private nonprofit	1,033,128	494,846	235,580	0	276,506	26,196	0
Alderson Broaddus C.	200,000	200,000	0	0	0	0	0
Future Generations Graduate School	255,083	0	0	0	255,083	0	0
Mountain State U.	71,073	71,073	0	0	0	0	0
WV Wesleyan C.	506,972	223,773	235,580	0	21,423	26,196	0
Wisconsin	2,067,413	815,522	15,900	0	179,180	1,056,811	0
Private nonprofit	2,067,413	815,522	15,900	0	179,180	1,056,811	0
Alverno C.	671,559	0	0	0	0	671,559	0
Beloit C.	104,864	97,686	0	0	0	7,178	0
Carthage C.	233,320	91,093	15,900	0	126,327	0	0

TABLE D-4. Higher education R&D expenditures reported on the Higher Education Research and Development Short Form, by state, institutional control, and source of funds: FY 2010

State, control, and institution	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	Institution funds	All other sources
C. of Menominee Nation	458,592	444,992	0	0	13,600	0	0
Columbia C. of Nursing	122,548	112,548	0	0	10,000	0	0
Lakeland C.	41,000	0	0	0	1,000	40,000	0
Marian U.-WI	43,488	40,738	0	0	0	2,750	0
St. Norbert C.	392,042	28,465	0	0	28,253	335,324	0
Puerto Rico	543,930	189,937	29,706	0	0	299,363	24,924
Public	514,224	189,937	0	0	0	299,363	24,924
U. PR-Bayamon	298,140	0	0	0	0	298,140	0
U. PR Ponce	216,084	189,937	0	0	0	1,223	24,924
Private nonprofit	29,706	0	29,706	0	0	0	0
Caribbean U.-Carolina	29,706	0	29,706	0	0	0	0

NOTES: HERD Short Form consisted of question 1 from HERD Survey and was sent to all 4-year-and-above institutions not currently included in HERD Survey. Institutions reporting zero in total R&D expenditures are not listed in this table.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, HERD Short Form, FY 2010.

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