

TABLE 22. Federally financed higher education R&D expenditures, ranked by FY 2012 R&D expenditures: FYs 2005–12

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
	All institutions	29,956,714	30,908,742	31,240,581	32,100,859	33,442,570	37,477,100	40,771,096	40,130,460
1	Johns Hopkins U. ^a	1,291,759	1,319,214	1,374,029	1,463,709	1,597,205	1,737,261	1,884,025	1,857,580
2	U. WA, Seattle	NA	NA	NA	NA	NA	829,885	948,976	909,652
3	U. MI, Ann Arbor	NA	NA	NA	NA	NA	747,778	820,125	791,729
4	U. PA	475,845	488,902	460,258	493,435	509,689	642,180	707,051	669,970
5	U. CA, San Diego	463,946	463,913	475,821	491,160	511,790	580,279	636,879	656,891
6	Columbia U. in the City of New York	453,188	451,187	459,748	461,029	491,837	572,213	645,233	645,573
7	U. Pittsburgh, Pittsburgh	423,473	426,257	446,151	459,230	467,465	594,675	662,471	637,857
8	Stanford U.	577,600	542,316	537,232	511,649	481,439	593,016	656,114	636,348
9	U. NC, Chapel Hill	321,483	330,201	347,958	374,295	433,896	545,993	600,843	606,348
10	Harvard U.	431,841	443,065	419,113	418,765	426,813	474,899	543,097	589,860
11	Duke U.	377,152	414,859	459,605	452,200	439,187	514,084	585,262	587,268
12	U. WI, Madison	503,517	513,120	489,986	481,259	514,875	545,189	593,633	580,661
13	U. CA, San Francisco	438,988	464,660	467,402	472,642	483,667	514,693	570,116	559,329
14	U. CA, Los Angeles	469,889	492,626	498,742	480,779	477,817	538,521	563,560	539,054
15	PA State U., University Park and Hershey Medical Ctr.	NA	NA	NA	NA	NA	464,750	468,705	531,421
16	Yale U.	333,218	349,969	350,933	376,314	380,576	475,794	519,844	518,184
17	MA Institute of Technology	462,745	481,471	482,014	501,531	539,160	457,575	489,080	496,132
18	U. MN, Twin Cities	NA	NA	NA	NA	NA	426,359	489,480	485,462
19	GA Institute of Technology	245,622	259,139	261,127	281,829	323,738	372,122	427,867	484,212
20	Cornell U.	367,028	391,130	368,468	359,407	363,695	448,085	476,583	472,673
21	Vanderbilt U.	286,652	308,597	323,504	347,415	353,587	397,656	458,173	448,948
22	OH State U.	310,255	319,606	316,763	341,257	349,863	399,942	493,130	445,635
23	U. Southern CA	338,497	341,966	359,306	351,761	378,391	408,564	453,283	443,842
24	Washington U., St. Louis	403,364	411,660	426,659	395,643	415,234	468,642	469,490	441,406
25	Northwestern U.	248,279	254,472	253,338	269,026	305,306	360,980	399,719	393,074
26	Emory U.	266,998	268,095	271,938	291,742	295,951	336,986	369,982	361,165
27	U. IL, Urbana-Champaign	296,942	268,877	258,149	270,908	292,522	303,852	323,454	359,989
28	Case Western Reserve U.	213,097	311,169	309,522	306,760	313,774	333,689	353,470	359,000
29	U. CA, Davis	240,003	248,573	257,597	269,952	297,140	332,325	362,976	358,577
30	U. TX, Austin	269,613	294,832	314,131	351,541	335,519	350,308	355,437	354,873
31	U. MD, College Park	214,465	217,797	224,385	241,224	250,895	297,896	338,780	340,180
32	U. CA, Berkeley	290,960	266,130	256,147	255,005	266,554	312,789	336,191	338,759
33	U. Chicago	248,442	256,442	264,461	287,164	304,575	352,728	372,288	336,125
34	U. AZ	292,907	302,707	270,682	278,229	288,148	308,157	327,565	331,578
35	U. CO, Boulder	237,188	227,013	228,297	228,129	248,259	292,030	323,078	330,089
36	CA Institute of Technology	249,371	248,646	255,088	244,944	308,230	328,522	342,945	326,701
37	NY U.	224,265	197,621	205,547	211,756	214,206	260,463	302,221	316,208
38	U. CO, Denver and Anschutz Medical Campus	214,504	222,889	216,799	215,519	266,137	285,126	307,395	315,685

TABLE 22. Federally financed higher education R&D expenditures, ranked by FY 2012 R&D expenditures: FYs 2005–12

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
39	Scripps Research Institute	272,969	268,533	267,073	265,657	288,388	313,746	317,201	309,471
40	U. Rochester	259,359	280,422	282,821	277,747	296,618	322,048	337,907	308,115
41	U. AL, Birmingham	289,738	294,259	269,943	304,107	302,697	325,103	344,164	306,210
42	U. FL	238,251	254,350	247,721	240,366	242,964	279,649	306,349	305,067
43	Rutgers, State U. NJ, New Brunswick	NA	NA	NA	NA	NA	224,894	239,908	279,161
44	Boston U.	231,478	241,726	234,104	236,597	256,666	302,411	305,476	277,436
45	U. UT	168,761	175,089	175,034	171,913	192,489	227,021	264,234	273,150
46	Icahn School of Medicine at Mt. Sinai	191,326	224,911	221,397	253,319	264,914	302,770	296,835	271,722
47	Purdue U., West Lafayette	NA	NA	NA	NA	NA	232,564	259,948	270,655
48	U. IA	221,119	221,966	228,526	234,559	255,101	282,465	283,627	269,734
49	TX A&M U., College Station	219,667	214,197	237,842	257,559	272,087	288,173	291,812	269,460
50	MI State U.	169,187	181,592	187,671	169,656	177,355	214,134	240,837	268,952
51	Baylor C. of Medicine	300,638	287,679	263,146	262,498	267,130	284,072	295,529	268,753
52	U. Cincinnati	203,142	202,306	219,625	221,738	229,504	262,513	287,182	267,691
53	CO State U., Ft. Collins	159,662	193,630	217,145	214,958	217,590	211,297	236,566	252,286
54	U. IL, Chicago	200,054	205,639	210,799	197,369	197,537	232,380	248,936	246,128
55	OR Health and Science U.	217,145	223,204	227,441	232,208	233,774	247,054	268,777	242,337
56	U. VA, Charlottesville	NA	NA	NA	NA	NA	228,917	252,928	240,254
57	U. South FL, Tampa	NA	NA	NA	NA	NA	243,017	243,030	236,148
58	U. MD, Baltimore	129,270	186,160	164,211	169,026	169,081	208,246	229,706	231,886
59	U. Miami	157,414	151,892	149,309	168,036	174,074	197,824	225,352	224,172
60	Carnegie Mellon U.	174,911	185,390	168,486	171,347	170,260	179,386	200,967	209,522
61	U. TX, Southwestern Medical Ctr., Dallas	202,057	196,621	191,687	201,480	207,216	232,027	231,639	207,513
62	U. CA, Irvine	161,524	170,336	170,611	179,527	178,138	194,559	209,117	206,985
63	U. MA, Medical School	130,680	136,141	131,226	145,113	145,834	178,293	208,244	202,149
64	Yeshiva U.	160,894	153,785	147,941	143,866	137,108	163,399	197,032	201,397
65	U. TX, M. D. Anderson Cancer Ctr.	160,953	182,028	190,508	194,889	194,633	206,664	236,400	196,753
66	AZ State U.	97,063	113,324	118,276	130,343	142,037	172,202	185,766	194,376
67	U. HI, Manoa	190,137	203,221	208,196	194,508	203,453	196,275	201,700	193,722
68	SUNY, U. Buffalo	154,972	155,668	151,572	158,152	154,876	167,099	182,585	193,613
69	VA Polytechnic Institute and State U.	110,621	121,129	129,208	135,977	148,716	162,566	189,198	184,175
70	NC State U.	109,128	131,262	131,848	131,987	136,905	139,096	155,293	174,758
71	Wake Forest U.	141,715	139,709	141,655	146,761	144,906	159,084	173,130	172,779
72	U. KS	122,271	127,180	125,300	128,306	134,257	147,598	162,721	171,043
73	IN U.-Purdue U., Indianapolis	NA	NA	NA	NA	NA	148,672	156,607	166,825
74	Princeton U.	120,699	118,757	121,095	125,917	130,006	150,261	163,438	161,591
75	Woods Hole Oceanographic Institution	100,747	101,631	112,754	117,587	127,378	153,066	165,819	161,115
76	U. NM	131,408	130,388	124,121	136,138	134,740	148,216	162,854	160,895
77	U. KY	151,056	155,366	158,559	159,302	147,583	171,528	179,161	159,678

TABLE 22. Federally financed higher education R&D expenditures, ranked by FY 2012 R&D expenditures: FYs 2005–12

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
78	OR State U.	127,323	133,328	129,287	134,280	139,587	135,886	146,882	156,446
79	U. CT	135,948	126,914	126,829	122,651	124,385	132,169	144,280	153,264
80	U. TX, Health Science Ctr., Houston	112,509	122,870	131,879	129,277	135,087	150,324	156,790	146,424
81	VA Commonwealth U.	109,732	112,159	96,690	106,335	104,206	144,138	153,228	142,053
82	FL State U.	119,601	121,944	124,050	121,901	127,104	134,794	140,850	140,419
83	U. GA	108,078	96,444	107,060	105,541	109,382	119,486	137,255	137,710
84	Medical U. SC	108,196	104,057	101,402	102,187	113,789	131,650	143,464	136,907
85	U. CA, Santa Barbara	103,955	107,686	113,335	113,298	115,453	129,457	136,244	136,352
86	U. OK	90,561	93,145	91,405	96,435	100,924	105,366	118,970	133,841
87	Brown U.	91,749	96,922	96,288	96,233	94,485	127,087	128,628	131,994
88	WA State U.	81,175	84,779	79,439	97,925	100,631	113,452	123,502	129,255
89	Naval Postgraduate School	45,249	59,636	65,946	88,846	81,330	93,605	94,278	127,049
90	Wayne State U.	121,714	118,623	114,720	116,266	117,395	132,166	134,735	126,915
91	Dartmouth C.	122,330	140,482	128,164	122,318	134,694	118,271	131,583	126,676
92	Medical C. WI	102,859	100,128	107,200	111,602	117,842	121,750	133,929	125,325
93	SUNY, Stony Brook U.	125,973	112,973	111,316	106,419	107,430	120,146	125,102	123,383
94	Tufts U.	100,628	98,634	94,284	98,175	105,122	116,699	122,208	121,512
95	U. NH	84,767	91,165	86,287	87,431	84,993	84,553	106,806	119,451
96	IA State U.	101,431	107,422	98,917	104,550	97,975	109,461	117,522	118,242
97	U. DE	76,363	81,066	84,189	86,005	88,357	105,454	118,673	117,072
98	U. MA, Amherst	68,768	71,244	73,485	80,432	80,950	97,937	107,683	115,280
99	Georgetown U.	102,504	94,901	107,904	113,707	121,514	120,589	123,540	115,197
100	U. MO, Columbia	104,795	109,996	119,545	112,814	124,796	116,965	116,403	114,345
101	SUNY, U. Albany	108,211	106,588	105,776	108,994	97,007	124,324	125,189	112,989
102	U. TN, Knoxville	NA	NA	NA	NA	NA	96,972	111,942	112,471
103	George Washington U.	93,780	91,837	104,533	128,022	91,665	122,357	116,611	112,110
104	U. of Medicine and Dentistry of NJ	143,239	140,923	126,101	122,061	115,770	123,399	124,585	110,595
105	Uniformed Services U. of the Health Sciences	50,016	39,461	37,275	67,345	124,314	72,125	117,781	110,276
106	U. TX, Medical Branch	117,235	120,408	118,173	122,009	126,703	128,840	128,098	109,867
107	UT State U.	93,567	97,577	91,953	89,940	84,970	90,581	113,871	108,501
108	U. TX, Health Science Ctr., San Antonio	95,125	95,110	95,610	121,758	129,399	121,723	121,200	106,177
109	U. NE, Lincoln	76,492	81,347	81,044	82,732	84,455	96,069	105,724	104,579
110	Tulane U.	94,775	84,196	98,612	109,561	109,659	106,872	111,007	101,360
111	U. AK, Fairbanks	90,743	99,277	101,219	97,356	92,244	99,657	105,469	99,674
112	U. SC, Columbia	NA	NA	NA	NA	NA	125,501	103,296	98,836
113	MS State U.	84,601	94,318	106,804	106,159	104,121	106,324	98,998	96,689
114	U. CA, Santa Cruz	62,301	67,010	69,122	70,919	77,253	84,518	97,817	94,222
115	LA State U., Baton Rouge	60,347	79,834	81,072	80,583	89,593	97,407	97,517	92,551
116	NM State U.	91,912	102,257	102,367	86,715	89,450	98,399	90,598	90,722

TABLE 22. Federally financed higher education R&D expenditures, ranked by FY 2012 R&D expenditures: FYs 2005–12

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
117	U. Louisville	68,213	71,920	78,070	74,581	78,614	93,260	96,010	89,976
118	Temple U.	55,844	54,567	57,778	60,848	71,131	79,939	89,074	89,963
119	Drexel U.	65,449	68,915	67,467	65,868	68,514	77,438	83,702	87,860
120	U. VT	79,958	82,676	90,419	90,220	92,760	98,635	101,471	87,843
121	MT State U., Bozeman	78,824	83,355	82,917	78,728	81,208	93,100	87,528	86,511
122	U. OR	50,620	54,935	57,708	65,135	70,628	76,378	84,997	86,316
123	OK State U., Stillwater	NA	NA	NA	NA	NA	56,998	81,855	85,876
124	Rockefeller U.	85,552	93,742	86,728	81,557	73,906	88,705	97,710	84,616
125	U. NE, Medical Ctr.	49,282	53,808	53,506	51,300	61,224	80,784	86,295	84,196
126	U. RI	42,132	46,898	52,561	51,791	58,762	62,981	78,303	83,754
127	U. Notre Dame	51,524	56,248	54,491	67,497	57,953	62,152	79,716	83,295
128	WV U.	62,914	64,262	67,159	71,075	68,741	79,415	88,419	82,149
129	IN U., Bloomington	NA	NA	NA	NA	NA	71,208	74,143	79,727
130	U. AL, Huntsville	43,751	46,365	50,504	49,030	55,152	73,075	72,665	78,528
131	U. Central FL	41,595	41,284	60,735	68,806	73,742	69,331	69,098	78,411
132	KS State U.	60,048	53,558	48,383	54,491	59,444	68,560	76,953	77,689
133	Northeastern U.	38,747	38,484	38,843	38,861	40,031	59,074	67,938	77,667
134	Rice U.	54,963	54,038	54,662	55,177	56,524	69,395	78,730	76,964
135	U. MS and U. MS Medical Ctr.	71,995	72,028	80,317	69,076	65,028	71,475	74,918	74,955
136	U. AR for Medical Sciences	59,053	66,127	60,836	62,035	61,249	72,217	75,924	69,883
137	FL International U.	58,718	58,158	62,366	60,045	57,371	62,580	65,446	69,402
138	Thomas Jefferson U.	86,171	82,551	81,545	76,034	73,152	77,817	80,027	68,976
139	U. Dayton	60,284	58,582	61,352	65,621	71,361	73,540	70,996	65,169
140	U. CA, Riverside	52,919	62,209	61,059	58,670	58,586	63,127	62,312	63,821
141	George Mason U.	47,904	45,126	48,452	52,908	60,694	63,011	65,301	63,786
142	Rensselaer Polytechnic Institute	42,555	45,414	49,153	47,491	48,509	54,847	59,284	62,341
143	NJ Institute of Technology	35,716	35,489	41,330	40,087	42,656	50,051	54,250	59,398
144	Rush U.	49,150	45,044	39,601	40,942	43,608	51,304	57,978	57,512
145	U. WY	29,567	26,060	25,579	29,018	30,144	45,323	48,932	57,441
146	San Diego State U.	36,076	37,770	34,792	38,038	44,250	56,504	64,056	56,797
147	U. Houston	41,413	42,613	42,644	43,845	42,450	52,920	59,580	55,812
148	Auburn U., Auburn	NA	NA	NA	NA	NA	53,971	59,559	55,557
149	U. NV, Reno	60,893	64,959	63,924	66,777	64,720	58,115	57,220	55,437
150	U. ID	49,003	48,335	46,273	46,235	43,207	46,303	54,243	55,115
151	GA Health Sciences U.	41,910	41,555	40,609	39,486	45,272	51,727	54,254	55,106
152	U. ND	32,092	38,849	44,625	46,620	49,240	52,504	54,058	54,476
153	Clemson U.	57,891	57,181	54,394	56,944	57,232	62,934	52,919	51,764
154	U. TN, Health Science Ctr.	NA	NA	NA	NA	NA	52,652	51,842	48,473
155	Cleveland State U.	12,244	6,087	6,282	5,496	4,356	25,024	42,575	46,645

TABLE 22. Federally financed higher education R&D expenditures, ranked by FY 2012 R&D expenditures: FYs 2005–12

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
156	ND State U.	46,201	46,086	46,345	50,682	44,343	51,883	53,451	46,490
157	U. MD, Baltimore County	43,392	44,885	49,696	50,698	54,455	59,448	61,172	45,014
158	Brandeis U.	39,895	41,201	41,366	38,204	40,817	43,669	48,235	44,532
159	Cold Spring Harbor Lab.	ne	ne	ne	ne	ne	ne	51,529	43,874
160	U.S. Air Force Academy	15,842	9,678	16,142	44,935	38,795	49,711	62,118	43,431
161	FL A&M U.	22,452	25,674	14,502	23,657	23,535	45,856	44,905	42,937
162	Portland State U.	18,877	22,236	20,813	23,727	31,917	36,996	41,580	42,662
163	SD State U.	13,917	12,793	17,064	20,929	24,356	38,368	41,904	41,975
164	U. Toledo	15,680	17,649	32,801	29,676	29,707	38,389	44,881	41,072
165	LA State U., Health Sciences Ctr., New Orleans	54,108	52,437	54,690	43,865	43,398	46,142	45,581	40,637
166	U. TX, El Paso	24,041	26,844	27,218	26,996	29,507	34,617	35,399	40,024
167	U. ME	29,564	41,751	44,919	41,740	47,785	50,163	59,800	39,661
168	CUNY, City C.	22,862	21,902	21,866	22,027	23,238	32,900	40,595	39,572
169	Jackson State U.	30,472	30,783	30,980	35,221	37,321	39,457	43,001	39,511
170	Old Dominion U.	24,662	32,869	32,976	35,421	36,433	34,687	39,534	38,555
171	Howard U.	40,252	35,125	34,251	35,873	31,938	33,017	36,060	37,690
172	U. Southern MS	35,800	36,175	43,972	42,820	41,978	37,054	40,984	37,524
173	U. MT, Missoula	37,191	33,096	33,953	34,497	36,888	40,760	38,565	35,984
174	St. Louis U.	44,757	45,183	49,588	49,434	33,736	33,728	38,323	35,873
175	U. TX, Dallas	19,933	19,954	17,783	21,383	26,244	30,754	33,216	35,297
176	U. PR, Medical Sciences Campus	29,863	31,199	31,955	28,481	33,841	29,813	54,381	35,173
177	SUNY, Health Science Ctr. Brooklyn	23,466	25,184	23,232	25,299	22,849	25,023	33,964	34,884
178	U. AR, Fayetteville	35,636	34,357	38,831	33,066	33,184	33,674	37,587	34,189
179	GA State U.	28,870	28,542	28,205	30,248	28,364	27,073	28,210	34,075
180	CO School of Mines	15,501	20,543	18,248	20,072	25,109	29,892	33,789	33,481
181	U. MA, Boston	6,786	9,131	16,104	17,149	18,378	24,527	26,958	33,275
182	MI Technological U.	19,780	18,789	28,226	29,944	27,263	27,676	32,724	33,189
183	Syracuse U.	30,644	32,444	32,230	33,566	31,000	33,796	33,850	33,156
184	U. TX, Arlington	17,790	19,095	20,259	20,927	25,144	31,628	30,659	33,150
185	U. AL, Tuscaloosa	24,546	22,997	27,953	23,788	24,283	26,364	32,999	33,023
186	U. TX, San Antonio	16,175	21,463	21,669	22,574	26,966	28,717	31,972	32,672
187	C. of William and Mary and VA Institute of Marine Science	31,812	35,174	33,045	31,357	30,665	27,685	30,361	32,526
188	Morehouse School of Medicine	24,213	25,156	23,230	24,985	23,583	25,855	28,128	31,786
189	Boston C.	18,536	18,837	21,227	22,585	24,324	33,290	31,953	30,855
190	TX A&M Health Science Ctr.	32,949	35,214	35,004	33,045	26,984	33,511	33,405	30,739
191	TX Tech U.	22,955	23,171	23,961	21,392	25,651	35,970	35,191	29,969
192	NM Institute of Mining and Technology	30,877	47,901	69,050	64,322	61,178	42,243	37,316	29,894
193	U. WI, Milwaukee	20,247	20,650	23,982	21,710	24,868	29,042	30,479	28,862
194	Loyola U., Chicago	31,528	25,903	25,148	23,481	23,855	28,995	28,633	28,530

TABLE 22. Federally financed higher education R&D expenditures, ranked by FY 2012 R&D expenditures: FYs 2005–12

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
195	IL Institute of Technology	18,217	19,883	20,930	20,230	17,705	28,349	34,858	27,767
196	Stevens Institute of Technology	22,074	25,223	26,800	20,461	20,620	29,370	32,570	27,420
197	Desert Research Institute	28,655	30,407	30,752	30,703	29,544	28,307	28,489	27,294
198	SUNY, Upstate Medical U.	23,275	27,247	27,933	23,117	21,828	27,959	28,663	27,013
199	U. MA, Lowell	18,906	19,598	20,759	23,284	23,933	25,550	27,960	26,786
200	U. North TX, Health Science Ctr.	17,037	19,183	19,203	19,818	20,215	25,847	26,132	26,627
201	Wright State U.	20,527	22,430	22,229	21,315	22,789	24,785	27,422	25,552
202	U. PR, Rio Piedras	14,440	16,881	16,114	25,382	19,376	21,717	24,887	25,407
203	U. NV, Las Vegas	36,572	43,200	49,347	42,314	32,033	32,441	30,457	25,068
204	Loma Linda U.	26,855	28,788	24,666	32,350	29,114	29,284	32,187	24,884
205	CA State U., Northridge	12,035	8,966	11,874	11,372	11,686	17,213	19,769	24,837
206	Eastern VA Medical School	19,969	19,399	20,620	17,499	24,083	29,291	25,319	24,694
207	CUNY, Hunter C.	19,127	19,179	16,473	15,833	19,487	18,498	22,901	24,265
208	San Jose State U.	29,536	31,283	28,188	29,151	33,299	24,292	26,389	24,153
209	AL A&M U.	12,005	7,537	8,467	5,566	10,265	22,154	23,988 i	23,778 i
210	MO U. of Science and Technology	21,850	23,722	18,798	22,353	23,548	28,239	27,961	23,731
211	Meharry Medical C.	27,408	30,914	31,263	31,035	23,829	24,302	26,779	23,467
212	Lehigh U.	22,932	19,648	23,559	22,739	19,724	23,721	22,390	23,312
213	U. of the VI	12,213	12,518	12,561	12,770	16,628	28,369	16,338	22,605
214	NC Agricultural and Technical State U.	16,403	16,093	15,453	18,506	18,550	23,883	22,652	22,477
215	U. Memphis	17,114	18,807	22,872	20,293	19,024	20,654	20,348	22,142
216	Brigham Young U., Provo	19,486	20,607	19,436	19,819	20,800	22,115	24,273	22,069
217	Southern IL U., Carbondale	16,989	20,108	17,724	17,499	19,223	22,209	23,696	22,055
218	SUNY, Binghamton U.	10,494	12,322	15,207	15,497	18,119	20,979	21,244	21,162
219	OH U.	20,846	19,630	18,641	18,274	16,783	18,466	23,051	20,780
220	U. HI, Hilo	14,393	16,962	14,962	11,481	14,907	12,265	7,150	20,726
221	Rutgers, State U. NJ, Newark	NA	NA	NA	NA	NA	12,631	18,226	20,588
222	Boise State U.	8,453	8,346	10,345	9,370	9,938	14,614	18,811	20,070
223	Mercer U.	11,235	11,741	11,075	12,012	13,377	18,778	17,904	19,963
224	U. PR, Mayaguez	12,026	11,645	12,366	11,913 i	12,673	12,735	18,568	19,949
225	Charles R. Drew U. of Medicine and Science	41,207	44,394	48,580	43,291	53,110	20,430	20,679	19,733
226	Air Force Institute of Technology	5,238	5,579	6,774	8,274	12,197	15,474	20,196	19,579
227	Rochester Institute of Technology	12,783	15,361	14,572	15,597	19,707	23,254	20,396	19,394
228	U. NC, Charlotte	12,740	13,159	13,858	12,038	14,202	17,284	15,930	19,230
229	Wichita State U.	20,037	20,496	22,251	23,846	18,598	13,751	20,569	19,078
230	U. North TX, Denton	7,881	9,009	7,815	9,045	10,870	14,444	14,754	18,043
231	East Carolina U.	11,070	10,771	10,472	11,351	17,633	16,113	19,675	17,838
232	U. TN, Institute of Agriculture	NA	NA	NA	NA	NA	12,527	15,512	17,786
233	Catholic U. America	16,937	13,561	15,533	15,223	16,029	15,878	19,890	17,608

TABLE 22. Federally financed higher education R&D expenditures, ranked by FY 2012 R&D expenditures: FYs 2005–12

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
234	U. MO, Kansas City	17,457	16,401	19,144	17,263	15,976	16,391	18,988	17,522
235	SUNY, U. Albany, C. Nanoscale S&E	NA	NA	NA	NA	NA	NA	9,887	17,290
236	FL Atlantic U.	16,084	20,590	18,157	17,780	15,335	17,268	15,579	17,226
237	San Francisco State U.	12,777	17,800	12,430	10,149	13,249	15,601	17,337	17,075
238	U. Akron	10,809	11,517	11,277	9,362	11,030	12,107	12,962	16,768
239	Southern Methodist U.	9,983	11,705	13,117	13,123	11,254	13,312	18,502	16,640
240	U. NC, Greensboro	14,525	12,217	12,137	14,259	17,578	19,477	20,868	16,530
241	NY Medical C.	25,242	26,579	26,101	23,107	22,253	21,095	21,013	16,471
242	ID State U.	12,288	11,862	11,989	13,363	12,701	14,645	17,149	16,095
243	U. MD, Ctr. for Environmental Science	13,853	12,860	13,365	12,019	11,656	12,123	18,007	16,081
244	Northern AZ U.	14,621	14,445	12,409	13,310	13,345	15,070	17,765	16,015
245	Morgan State U.	8,126	12,199	9,992	10,978	10,702	10,039	9,884	15,408
246	Hampton U.	42,792	28,584	23,836	20,910	12,662	14,455	12,292	15,356
247	CUNY, Queens C.	5,732	6,422	7,676	9,245	9,519	13,642	15,573	14,897
248	Kent State U.	10,795	11,053	11,813	13,784	14,748	14,586	15,085	14,882
249	U. New Orleans	19,471	13,478	15,628	14,346	15,078	19,244	19,000	14,521
250	SD School of Mines and Technology	10,752	9,834	11,232	13,866	11,859	25,172	28,105	14,480
251	Western MI U.	18,551	17,414	17,550	19,169	15,663	19,738	18,736	14,378
252	Creighton U.	12,683	10,505	11,716	10,722	12,196	11,850	14,140	14,270
253	U. SD	15,617	17,502	16,683	17,569	18,795	16,467	14,490	14,088
254	Embry-Riddle Aeronautical U.	7,850	6,531 i	6,419	4,631	7,424	8,241	11,444	14,048
255	TX Tech U., Health Sciences Ctr.	6,730	9,713	8,765	8,995	11,274	12,950	14,790	13,944
256	U. LA, Lafayette	16,471	11,819	11,099	13,079	13,641	12,881	14,659	13,848
257	U. South AL	16,538	15,567	16,676	15,907	15,883	14,730	16,758	13,816
258	CA State U., Long Beach	9,449	8,926	12,655	13,914	10,723	12,731	13,811 i	13,690 i
259	AL State U.	1,685	1,685	1,685	2,461	11,117	13,340	12,340	13,607
260	LA State U., Medical Ctr., Shreveport	NA	NA	NA	14,009	14,106	13,890	15,316	13,504
261	Miami U.	8,014	7,874	8,964	10,872	13,500	13,591	13,210	13,418
262	Marshall U.	19,710	15,983	18,449	18,846	17,510	18,218	21,852	13,154
263	Worcester Polytechnic Institute	9,481	11,047	10,146	10,650	10,938	13,582	15,714	12,968
264	Northern IL U.	10,373	11,794	13,123	11,639	17,225	17,334	11,807	12,861
265	U. West FL	15,714	10,259	12,349	10,167	10,265	11,038	13,156	12,858
266	Polytechnic Institute of NY U.	12,929	11,486	10,329	6,050	5,384	5,729	7,831	12,687
267	Tuskegee U.	9,606	10,256	12,562	13,165	14,700	12,309	12,397	12,633
268	CA State U., Fullerton	6,228	6,787	5,947	7,353	9,169	13,651	16,159	12,440
269	U.S. Military Academy	6,290 i	6,660 i	7,248	9,420	8,641	22,146	13,799	12,227
270	TX State U., San Marcos	3,045	1,930	3,091	3,237	8,312	8,904	10,319	11,950
271	Albany Medical C.	11,525	11,152	9,521	10,239	12,653	15,758	13,884	11,845
272	U. Denver	13,095	11,772	11,671	12,306	14,126	13,364	14,042	11,779

TABLE 22. Federally financed higher education R&D expenditures, ranked by FY 2012 R&D expenditures: FYs 2005–12

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
273	U. NC, Wilmington	11,449	10,267	11,510	14,153	11,675	14,364	14,218	11,571
274	DE State U.	5,436	6,870	6,797	7,354	8,875	10,154	12,822	11,305
275	Fayetteville State U.	8,379	554	7,673	7,500	9,110	10,844	10,029	11,187
276	NC Central U.	5,763 i	6,597	4,337	6,323	5,055	6,870	9,496	11,076
277	U. CA, Merced	2,816	3,135	3,119	4,852	8,025	9,392	10,140	11,052
278	U. MA, Dartmouth	10,190	9,893	11,843	13,543	10,804	12,236	13,657	10,979
279	SC State U.	2,587	2,587	2,587	6,766	7,037	6,334	8,630 i	10,926
280	U. AK, Anchorage	7,470	8,225	6,214	6,541	6,673	9,368	9,858	10,760
281	Prairie View A&M U.	8,671	9,138	9,230	7,659	7,676	8,623	11,058	10,569
282	Ponce School of Medicine and Health Sciences	6,715	5,022	6,594	5,707	4,679	7,569	9,318	10,486
283	TN State U.	10,470	10,216	8,475	7,576	7,257	7,414	8,369	10,240
284	Teachers C., Columbia U.	6,648	6,985	7,662	7,622	7,357	6,533	8,526	10,173
285	CA Polytechnic State U., San Luis Obispo	5,849	6,761	5,678	7,770	12,284	11,637	8,658	10,125
286	Rosalind Franklin U. of Medicine and Science	9,974	9,507	7,689	6,936	7,246	8,350	9,317	10,084
287	Marquette U.	7,082	7,611	6,896	7,134	6,876	9,381	11,291	9,968
288	Purdue U., Calumet	NA	NA	NA	NA	NA	6,127	5,835	9,917
289	LA Tech U.	5,467	5,826	4,309	6,646	8,431	10,806	11,952	9,835
290	U. MO, St. Louis	5,522	5,521	5,664	6,329	7,635	7,151	10,157	9,650
291	AR State U., Jonesboro	1,080	3,965	4,727	4,568	7,000	6,194	8,644	9,645
292	SUNY, C. of Environmental Science and Forestry	7,821	7,831 i	7,842	9,239	7,853	8,907	9,645 i	9,560 i
293	U.S. Naval Academy	5,987	6,739	7,806	8,928	10,450	10,750	10,243	9,322
294	Oakland U.	5,747	6,478	5,476	5,428	5,564	7,130	9,178	9,185
295	Morehouse C.	3,602	5,517	4,935	4,822	6,993	7,857	8,460 i	9,063
296	RI C.	ne	ne	ne	ne	ne	ne	2,404	9,060
297	Claremont Graduate U.	1,859	1,695	1,359	1,194	2,873 i	5,888	5,215	8,875
298	Alcorn State U.	5,396	5,706	7,874	9,525	10,711	9,256	8,655	8,598
299	Clark Atlanta U.	11,379	10,008	7,905	6,784	7,329	7,229	7,040	8,447
300	U. AR, Little Rock	2,681	1,126	2,617 i	4,108	5,961	7,571	8,615	8,104
301	East TN State U.	5,015	4,713	4,864	4,911	5,525	6,272	7,705	8,052
302	U. Metropolitana	2,677 i	298	248	505	597	1,282	2,013	7,988
303	Norfolk State U.	6,055	4,623	5,998	7,287	6,313	5,413	6,462	7,739
304	U. MN, Duluth	NA	NA	NA	NA	NA	6,441	8,564	7,597
305	American U.	1,403	2,066	8,383	10,424	10,023	8,841	9,208	7,515
306	FL Institute of Technology	5,413	7,338	6,073	7,199	8,085	9,175	7,637	7,500
307	Eastern MI U.	4,678	5,437	3,554	2,849	4,718	9,088	7,916	7,374
308	Dillard U.	887 i	1,423 i	3,724	1,473	5,621	7,096	7,211 i	7,325
309	CA State U., San Bernardino	8,247	5,473	4,538	5,002	6,872	3,394	9,953	7,251
310	Xavier U. LA	4,505 i	3,939	4,272	4,280	4,098	5,669	6,673	7,177
311	U. TX, Brownsville	ne	ne	ne	4,371	4,641	5,640	6,122	7,098

TABLE 22. Federally financed higher education R&D expenditures, ranked by FY 2012 R&D expenditures: FYs 2005–12

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
312	Clarkson U.	6,890	8,297	7,605	8,275	7,105	9,573	9,531	7,061
313	Bowling Green State U.	6,434	6,185	6,530	5,984	4,285	4,963	6,164	7,005
314	VA State U.	2,668	7,610	9,652	6,496	7,421	5,552	6,035	6,999
315	U. MD, Eastern Shore	5,432	4,522	3,402	5,746	7,215	8,583	8,587	6,965
316	CA State U., Los Angeles	10,023	8,948	10,292	9,180	8,332	7,234	8,426	6,847
317	U. Tulsa	9,455	8,778	8,644	7,094	6,350	7,126	7,970	6,782
318	Villanova U.	7,266 i	8,171 i	9,333	5,388	5,582 i	6,367 i	6,817	6,671 i
319	Nova Southeastern U.	1,719	3,204	3,470	4,352	4,605	5,718	6,904	6,653
320	CUNY, Brooklyn C.	2,694	3,478	4,263	3,910	3,986	5,358	7,098	6,578
321	U. TX, Tyler	144	438	937	1,792	2,109	3,378	1,277	6,535
322	TX A&M U., Kingsville	5,029	4,625	5,067	3,364	6,072	7,088	6,280	6,480
323	James Madison U.	3,568	3,576	3,864	3,807	3,832	5,563	5,218	6,476
324	Lincoln U., Jefferson City	2,093	4,367	4,169	4,574	6,358	5,984	7,084	6,306
325	U. Central del Caribe	8,543	8,206	8,672	7,304	6,752	6,504	6,613	6,304
326	Wheeling Jesuit U.	4,780 i	5,377 i	6,250	9,208	11,374	8,768	7,869	6,304
327	C. Charleston	3,324	4,205	4,404	4,268	3,776	11,610	5,056	6,277
328	Southern U. and A&M C., Baton Rouge	3,539 i	3,496	4,375	5,593	5,920	5,920	6,057 i	6,194
329	U. NE, Omaha	5,292	4,545	3,789	3,366	4,476	6,014	6,333	5,980
330	Southern U. Agriculture Research and Extension Ctr.	ne	ne	ne	ne	ne	ne	4,049	5,926
331	Duquesne U.	4,509	3,665	4,699	5,460	5,120	5,904	5,991	5,723
332	Western KY U.	4,983	7,257	8,225	6,750	6,521	6,866	6,210	5,712
333	CA State U., Sacramento	144 i	150 i	163	3,299	4,159	5,829	6,965	5,663
334	U. TX, Pan American	3,770	4,238	4,182	4,731	5,507	5,544	5,339	5,622
335	St. Edward's U.	ne	ne	ne	ne	ne	ne	6,899	5,500
336	U. Southern ME	9,738 i	12,588	20,198	32,817	31,062	9,137	7,752	5,490
337	U. GU	8,265 i	7,324	6,867	5,550	4,808	4,962	5,391	5,448
338	TX A&M U., Corpus Christi	5,971	7,850	6,651	6,233	7,166	7,869	7,506	5,446
339	U. WI, Superior	830	1,360	2,068	1,599	3,296	5,197	5,638 i	5,302 i
340	Winthrop U.	ne	ne	ne	ne	ne	ne	3,440	5,243
341	FL Gulf Coast U.	7,214	8,488	7,261	6,834	6,386	9,542	10,328	5,146
342	Clafin U.	222	930	1,261 i	1,592	3,328	3,226	5,103	5,090
343	Tarleton State U.	6,386	5,534	4,852	4,701	7,599	6,379	6,036	5,086
344	Central MI U.	3,086	1,368	1,415	1,482	1,437	2,536	4,841	5,055
345	TX Christian U.	4,072	4,342	4,109	3,734	3,948	3,373	3,924	4,998
346	KY State U.	3,100	3,797	3,673	3,849	3,736	3,501	3,146	4,924
347	TX Southern U.	4,651	4,797	3,943	4,276	4,988	5,240	4,899	4,924
348	DePaul U.	4,110	3,615	2,699	2,292	2,897	3,896	4,629	4,827
349	Wesleyan U.	5,248	4,766	5,179	4,160	3,412	4,496	5,525	4,726
350	TN Technological U.	3,833	3,841	6,218	5,467	6,404	7,490	6,397	4,674

TABLE 22. Federally financed higher education R&D expenditures, ranked by FY 2012 R&D expenditures: FYs 2005–12

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
351	Middle TN State U.	1,084	636	1,020	473	1,395	2,651	2,669	4,553
352	U. AR, Pine Bluff	4,278	3,777	3,091	3,788	3,894	3,947	4,696	4,540
353	CA State U., Monterey Bay	3,821	3,779	3,832	3,642	4,352	3,167	4,713	4,341
354	Gallaudet U.	2,157	1,959	3,460	3,834 i	4,208 i	5,522	4,633	4,335
355	Elizabeth City State U.	888	590	1,792	2,982	3,404	5,552	10,402	4,284
356	CA State U., San Marcos	ne	ne	ne	670	5,311	4,106	4,497 i	4,229 i
357	Fordham U.	1,397	2,441	2,268	2,774	3,293	4,132	3,925	4,187
358	Fisk U.	6,600	6,000	6,600	2,851	5,265	7,686	4,631	4,058
359	Langston U.	3,848	3,661	3,582	3,489	2,990	3,313	3,778	3,957
360	WV State U.	2,128	1,867	1,795	2,949	2,689	2,759	3,193	3,945
361	CUNY, John Jay C. of Criminal Justice	516	562	1,695	2,309	3,360	3,418	4,086	3,921
362	Western WA U.	2,383	3,059	3,047	3,239	2,828	4,594	4,661	3,891
363	Western IL U.	5,346	5,535	5,098	2,917	1,958	658	746	3,855
364	IL State U.	3,576	3,430	3,447	4,359	5,398	5,442	4,586	3,833
365	Northeastern OH Universities, C. of Medicine	3,267	2,754	2,777	2,417	2,819	4,009	4,081	3,816
366	U. North FL	2,984	3,517	5,758	5,759	3,933	4,636	5,082	3,760
367	MO State U.	5,208	4,706	8,844	7,956	9,786	6,071	4,764	3,697
368	Montclair State U.	1,018	1,484	1,087	1,183	1,488	1,876	2,629	3,593
369	Humboldt State U.	2,564 i	2,548	2,510	4,723	6,846	3,024	3,292	3,588
370	Dakota State U.	ne	ne	ne	ne	ne	ne	402	3,555
371	U. CO, Colorado Springs	3,441	3,470	4,496	4,733	5,166	6,699	5,805	3,540
372	CA State U., Fresno	4,892	1,677	2,777	3,908	4,516	3,424	3,795	3,532
373	Baylor U.	1,927	1,718	2,863	3,277	4,678	2,947	3,704	3,513
374	Central State U.	1,579	2,263	2,263	2,376	2,926	2,544	3,528	3,390
375	U. Baltimore	2,832	1,757	288	689	1,418	1,812	3,288	3,386
376	U. New England	ne	1,178	978	1,319	1,387	2,829	3,242	3,359
377	Ft. Valley State U.	2,492	2,570	2,610	3,297	3,262	4,586	3,452	3,334
378	Ball State U.	7,057	6,765	7,503	6,748	6,602	3,988	3,064	3,320
379	Bowdoin C.	1,444	1,484	1,402	1,271	1,254	1,815	1,942	3,317
380	MT Tech of U. MT	5,195	6,033	5,567	6,048	5,900	5,321	4,999	3,293
381	U. TN, Chattanooga	2,723	2,585	1,865	3,601	3,148	4,866	2,932	3,202
382	Barnard C.	2,384	2,098	2,519	2,412	2,439	2,754	3,325	3,194
383	CUNY, Graduate Ctr.	5,408	3,641	3,914	6,266	2,796	4,901	3,462	3,191
384	Southern IL U., Edwardsville	15,774	15,835	17,403	15,757	16,375	4,192	4,056	3,172
385	SUNY, C. of Optometry	1,979	1,753	2,164	1,982	2,043	2,829	3,336	3,162
386	Clark U.	2,725	3,328	3,027	3,095	2,975	3,243	3,801	3,141
387	Lamar U.	1,259	1,785	2,309	2,692	3,086	4,377	4,036	3,072
388	U. WI, Stevens Point	867	951	1,152	1,410	1,819	4,456	3,754 i	3,052
389	U. MI, Dearborn	NA	NA	NA	NA	NA	2,932	4,305	2,992

TABLE 22. Federally financed higher education R&D expenditures, ranked by FY 2012 R&D expenditures: FYs 2005–12

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
390	Palmer C. of Chiropractic	ne	ne	ne	1,640	1,404	3,009	3,344	2,906
391	Wellesley C.	2,760	2,896	3,331	3,108	2,707	3,677	2,496	2,902
392	TX A&M U., Galveston	ne	ne	ne	ne	ne	ne	ne	2,854
393	U. South FL, St. Petersburg	NA	NA	NA	NA	NA	2,570	2,058	2,799
394	Bastyr U.	ne	ne	ne	ne	1,197	1,211	1,988	2,764
395	Fairfield U.	2,695	1,934	1,477	1,941	2,269	2,681	2,780	2,760 i
396	Sam Houston State U.	115	1,118	2,004	2,503	6,610	5,066	3,855	2,717
397	Benedict C.	1,399	1,385	1,747	1,417	1,287	1,473	2,925	2,713
398	Smith C.	1,996	3,147	3,196	3,740	3,540	2,843	3,159	2,690
399	CA State U., Dominguez Hills	5,174	2,530	5,167	8,202	2,441	2,658	2,671	2,689
400	Hofstra U.	495 i	2,764	2,737	2,850	3,462	2,206	2,182	2,660
401	CA State Polytechnic U., Pomona	2,765	2,502	2,466	1,750	1,682	2,563	2,978	2,635
402	Long Island U.	1,227	2,088	2,091 i	2,144	2,169 i	2,480 i	2,686 i	2,628 i
403	Tougaloo C.	427 i	434	1,782	2,707	2,334	2,978	2,753	2,613
404	Middlebury C.	1,372 i	1,483 i	1,790	1,710	1,790	2,245	2,289	2,513
405	Wiley C.	45	ne	ne	264	298	362	1,574	2,511
406	Plymouth State U.	ne	ne	ne	1,184	862	1,408 i	2,668	2,503
407	U. New Haven	235	ne	366	ne	ne	ne	1,592	2,471
408	U. of the DC	2,958	3,813	4,002	4,211	1,938	1,946	2,313	2,430
409	New School	2,960	4,854	5,922	980	890	1,670	2,042	2,385
410	U. Richmond	1,837	1,454	1,402	1,912	1,913	2,138	1,831	2,376
411	Rowan U.	4,483	4,555	4,267	3,783	4,066	2,062	2,108	2,349
412	SUNY, Buffalo State C.	1,335	1,150	810	1,259	1,699	1,293	1,965	2,348
413	Eastern KY U.	1,015	3,515	6,069	5,001	1,766	2,638	2,852	2,329
414	Appalachian State U.	632	1,591	2,270	1,585	1,240	1,813	2,586	2,287
415	CUNY, Lehman C.	3,711	3,773	4,054	2,834	2,421	2,560 i	2,700	2,215
416	Carleton C.	1,718	1,474	1,417	1,485	1,765	1,803	2,332	2,212
417	U. Northern IA	1,086	654	1,219	995	900	1,460	2,294	2,182
418	Shaw U.	3,202	3,720	3,632	3,956	3,481	2,837 i	2,193	2,177 i
419	Roger Williams U.	1,402	1,832	1,175	997	1,015	1,574	2,132	2,166
420	Kettering U.	701	2,882	1,583	2,035	2,741	4,477	3,452	2,165
421	Youngstown State U.	1,138	1,067	464	1,247	1,187	2,067	3,304	2,159
422	U. of the Pacific	1,562	2,352	2,099	3,124	2,695	3,135	2,678	2,090
423	Santa Clara U.	3,609 i	3,695 i	3,721 i	3,796	3,915	3,494	2,019	2,074
424	Northwest Indian C.	ne	ne	ne	ne	2,455	1,943	1,993 i	2,044
425	Harvey Mudd C.	767	1,003	1,231	1,637	1,622	2,049	2,594	2,038
426	Williams C.	1,737	2,141	1,705	1,837	1,959	2,330	2,117	2,029
427	Albany State U.	2,010	1,119	952	896	958	396	893	2,000
428	U. Central AR	2,268	2,490	2,034	1,036	1,018	1,658	1,732	1,989

TABLE 22. Federally financed higher education R&D expenditures, ranked by FY 2012 R&D expenditures: FYs 2005–12

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
429	Amherst C.	1,270	1,872	1,110	1,194	1,366	1,102	1,992	1,978 i
430	Winston-Salem State U.	1,659 i	1,245 i	831 i	417 i	ne	ne	1,179	1,977
431	Haskell Indian Nations U.	ne	ne	ne	687	1,006	922	1,032	1,961
432	U. PR, Humacao	3,325	4,080	4,930	2,104	1,925	1,950 i	1,976	1,949
433	IN U.-Purdue U., Ft. Wayne	NA	NA	NA	NA	NA	1,797	2,443	1,946
434	Hope C.	1,181	1,710	1,432	1,361	1,207	2,523	2,414	1,912
435	TX Woman's U.	940	637	755	1,146	982	822	1,173	1,908
436	Murray State U.	1,311	1,007	642	591	424	2,074	2,471	1,904
437	U. San Diego	1,187	455	600	494	976	1,352	1,184	1,903
438	U. WI, La Crosse	2,171	1,619	2,147	1,329	1,439	2,150	2,013 i	1,876
439	Savannah State U.	2,421	2,342	2,257	1,864	1,615	1,774	2,518	1,874
440	Spelman C.	2,576	2,901	3,361	2,219	3,164	2,740	1,833	1,874
441	U. San Francisco	549	386	513	344	326	428	371	1,867
442	Bryn Mawr C.	992	1,237	1,375	3,788	2,441	1,301	1,901	1,848
443	Central WA U.	4,794	5,485	6,507	7,022	5,464	4,038	2,242	1,840
444	U. Houston, Downtown	354	256	123	179	326	908	1,186	1,828
445	Mt. Holyoke C.	1,869	1,780	1,989	1,947	1,762	1,362	2,010	1,827
446	West TX A&M U.	1,968	2,694	2,558	2,242	1,953	2,100	1,347	1,802
447	Stephen F. Austin State U.	1,076	3,730	3,436	4,136	4,367	5,530	1,690	1,800
448	U. NC, Asheville	1,677	1,754	3,488	1,642	1,427	1,367	1,770	1,789
449	Keene State C.	ne	ne	ne	ne	ne	ne	1,884	1,772 i
450	Towson U.	1,571	894	820	936	1,544	1,806	2,630	1,771
451	Pacific U.	1,289	624	142	268	815	845	242	1,767
452	U. LA, Monroe	1,051	2,751	2,105	7,498	3,343	1,470	1,971	1,752
453	CA Maritime Academy	ne	ne	ne	ne	ne	ne	1,200	1,748
454	Bowie State U.	2,174	1,951	1,960	ne	ne	ne	1,910	1,739
455	Chapman U.	303	1,299	1,425	919	1,565	1,871	1,576	1,733
456	New England C. of Optometry	1,474	1,125	729	1,101	553	726	1,236	1,685
457	Black Hills State U.	3,277	2,372	2,563	2,304	1,724	2,434	1,172	1,675
458	Keck Graduate Institute	ne	ne	ne	ne	ne	ne	1,744	1,671
459	Seton Hall U.	1,912	3,062	2,743	2,340	5,099	2,206	2,681	1,667
460	Western OR U.	ne	ne	ne	ne	131	1,652	1,532	1,666
461	U. MA central office	ne	ne	ne	ne	ne	ne	ne	1,655
462	Alfred U.	2,766	2,364	2,002	1,110	1,289	1,687	2,004	1,648
463	Erikson Institute	ne	ne	ne	ne	ne	ne	355	1,648
464	Siena C.	ne	630 i	585 i	589	1,112	1,045	1,687	1,618
465	TX A&M U., Commerce	423	302	305	421	1,297	1,362	1,557	1,600
466	Pomona C.	888	1,087	1,231	1,016	815	1,048	1,779	1,599
467	Coastal Carolina U.	453	936	818	1,445	899	1,533	1,487	1,598

TABLE 22. Federally financed higher education R&D expenditures, ranked by FY 2012 R&D expenditures: FYs 2005–12

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
468	Morehead State U.	1,693	1,019	1,257	1,788	1,227	1,528	1,656	1,597
469	Southern CT State U.	2,270	1,458 i	1,249	1,039	1,063	1,459	1,199	1,595
470	St. Francis U.	4,981	4,114	3,677	3,147	2,915	2,923	2,823	1,559
471	Bates C.	794	1,226	887	892	758	971	1,485	1,555
472	Northwestern Health Sciences U.	ne	800	1,289	1,361	1,503	1,467	1,378	1,547
473	Rutgers, State U. NJ, Camden	NA	NA	NA	NA	NA	2,001	1,555	1,545
474	Bucknell U.	726	2,131	1,233	1,835	2,393	2,745	2,747	1,540
475	SUNY, C. Geneseo	1,009	870	1,335	1,119	1,119	755	1,306	1,532
476	U. PR, Cayey	ne	ne	861	766	1,531	710	1,278	1,515
477	U. Hartford	767	891	1,865	1,765	1,250	820	1,576	1,505
478	Colgate U.	696	1,218	1,361	1,348	1,382	1,519	1,058	1,497
479	Northern KY U.	777	1,280	908	1,062	1,160	1,476	1,595	1,483
480	Haverford C.	857	514	622	1,073	1,338	2,715	1,851	1,478
481	Pace U.	958	408	443	602	377	627	952	1,476
482	CUNY, C. Staten Island	1,646	1,302	1,256	1,242	918	952	1,583	1,470
483	West Chester U. PA	1,612	235	1,015	2,015	1,384	3,614 i	5,845	1,457
484	Trinity C., Hartford	611	373	575	346	593	1,026	1,217	1,432
485	Grambling State U.	1,926	648	428	807	810 i	993	1,515	1,428
486	Salish Kootenai C.	ne	ne	ne	419	599	475	748	1,415
487	Columbus State U.	ne	ne	ne	ne	ne	ne	1,792	1,411
488	Hamilton C.	1,454	1,480	1,216	1,134	1,109	1,077	1,406	1,400
489	CUNY, system office	ne	ne	ne	ne	ne	ne	ne	1,398
490	Touro U., Vallejo	ne	ne	ne	ne	642	999	1,558	1,390
491	Barry U.	ne	ne	ne	697	875	897	1,331	1,381
492	U. Northern CO	2,251	2,039	1,235	1,289	2,066	2,082	1,681	1,373
493	GA Southern U.	4,546	5,368	5,754	3,167	3,426	2,077	1,530	1,359
494	CA State U., Chico	1,340	1,072 i	1,117 i	1,163	1,038	1,502	1,317	1,345
495	NY Institute of Technology	230	267	865	433	915	250	494	1,339
496	Skidmore C.	741	430	369	270	890	1,872	1,562	1,334
497	Oberlin C.	841	548	639	585	683	1,359	1,183	1,330
498	Willamette U.	262	182	243	420	839	666	650	1,327
499	Columbia C., Chicago	ne	ne	ne	ne	ne	ne	1,441	1,318
500	Lincoln U. of the Commonwealth of PA	526	606	450	774	560	1,114	1,336	1,313
501	Western U. of Health Sciences	639	905	917	1,007	848	885	914	1,300
502	Valparaiso U.	372	487	582	642	532	505	892	1,299
503	PA State U., Harrisburg	NA	NA	NA	NA	NA	963	1,302	1,290
504	U. of the Sciences in Philadelphia	249	499	478	1,054	822	984	1,338	1,287
505	Nicholls State U.	674	374	167	43	240	946	1,571	1,284
506	IN State U.	660	1,269	1,109	1,279	848	990	1,352	1,268

TABLE 22. Federally financed higher education R&D expenditures, ranked by FY 2012 R&D expenditures: FYs 2005–12

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
507	Vassar C.	616	958	625	1,126	1,160	1,280	1,838	1,258
508	Salisbury U.	ne	ne	ne	ne	ne	1,823	586	1,256
509	U. WI, Oshkosh	901	768	727	1,002	599	832	1,154	1,238
510	PA State U., Erie	NA	NA	NA	NA	NA	887	1,029	1,232
511	Christopher Newport U.	1,673	587	596	670	768	1,049	1,587	1,230
512	Loyola Marymount U.	473	1,044	1,588	1,664	2,569	1,731	2,815	1,222
513	Trinity U.	759	717	715	979	838	1,023	1,046	1,222
514	St. Olaf C.	390	415	725	919	1,067	1,247	843	1,220
515	CUNY, Baruch C.	402	130	40	484	773	1,010	1,150	1,209
516	Milwaukee School of Engineering	648	786	1,133	1,465	1,291	1,177	1,181	1,207
517	Lafayette C.	1,104	990	833	1,193	1,255	1,223	1,564	1,205
518	Colby C.	884	1,058	723	731	985	1,105	1,028	1,197
519	National U.	ne	ne	ne	ne	ne	ne	650	1,194
520	Kean U.	ne	ne	ne	ne	ne	ne	550	1,191
521	St. John's U., Manhattan	3,829	3,696	1,578	1,433	1,372	1,274	1,263	1,185
522	Albany C. of Pharmacy and Health Sciences	351	524	250	582	825	1,380	1,634	1,182
523	U. TX, Permian Basin	ne	ne	147	313	320	677	761	1,179
524	Furman U.	999	1,029	775	1,042	1,184	1,332	1,111	1,164
525	U. del Este	ne	363	407	416	709	1,139	1,179	1,163
526	Grand Valley State U.	675	428	543	716	1,045	1,134	1,235 i	1,161 i
527	HI Pacific U.	ne	ne	ne	ne	ne	ne	1,261	1,145
528	Swarthmore C.	1,194	1,682	771	812	871	913	1,029	1,135
529	CT C.	834	804	877	651	989	954	1,005	1,130
530	Franklin and Marshall C.	1,277	945	909	1,095	1,079	1,857	1,397	1,116
531	Gonzaga U.	ne	ne	ne	550	277	609	1,152	1,115
532	Lawrence Technological U.	354	1,939	1,546	1,345	1,334	3,144	2,615	1,108
533	Macalester C.	739	983	483	528	626	1,075	1,517	1,106
534	Hobart and William Smith Colleges	ne	ne	613	1,176	1,227	1,118	1,379	1,103
535	U. WA, Tacoma	NA	NA	NA	NA	NA	573	406	1,098
536	Franklin W. Olin C. of Engineering	ne	ne	ne	ne	ne	ne	666	1,090
537	Salus U.	1,060	1,543	1,500	1,776	1,288	1,261	1,152	1,086
538	Occidental C.	880	690	745	802	608	665	904	1,079
539	Claremont McKenna C.	ne	ne	678 i	657 i	728 i	1,130	1,083	1,075 i
540	Sul Ross State U.	1,506	1,586	1,632	1,094	1,271	1,595	1,672	1,073
541	Seattle Pacific U.	ne	ne	10 i	ne	160	114	1,155	1,071
542	CA State U., Stanislaus	ne	ne	ne	ne	ne	ne	1,037	1,070
543	U. West GA	1,253	953	1,033	1,323	721	761	1,259	1,062
544	Mills C.	ne	550 i	575 i	521 i	1,644	1,095	753	1,058
545	U. CA, Office of the President	519	796	256	101	199	121	483	1,048

TABLE 22. Federally financed higher education R&D expenditures, ranked by FY 2012 R&D expenditures: FYs 2005–12

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
546	Kennesaw State U.	305	315	439	523	576	1,246	1,054	1,045 i
547	U. del Turabo	0 i	759	417	532	423	691	1,054	1,034
548	Dickinson C.	1,014	632	1,355	1,006	801	602	821	1,029
549	U. Redlands	2,397	1,126	1,308	1,483	1,607	1,208	1,036	1,008
550	Augustana C., Sioux Falls	591	842	798	763	783	889	1,169	1,007
551	U. AK, Southeast	249	409	891	1,695	1,269	1,222	941	1,003
552	Pittsburg State U.	716	1,255	1,258	830	936	999	1,280	989
553	SUNY, C. Brockport	436	606	819	307	228	521	677	989
554	TX A&M International U.	190	ne	ne	196	1,169	1,623	1,195	989
555	Southeastern LA U.	1,293	1,428	1,067	1,045	956	1,161	911	985
556	CUNY, Medgar Evers C.	701	630	495	157	173	392	1,315	981
557	Western Carolina U.	1,233	1,786	1,494	2,450	1,824	1,296	721	974
558	Azusa Pacific U.	ne	ne	ne	ne	ne	ne	970	949 i
559	Bradley U.	346	405	357	359	383	512	554	889
560	Stetson U.	ne	ne	ne	ne	ne	ne	1,135	884
561	Commonwealth Medical C.	ne	ne	ne	ne	ne	ne	ne	869
562	Union C., Schenectady	657	534	647	930	741	1,427	959	867
563	CUNY, York C.	1,448	1,455	2,468	2,160	ne	ne	1,507	861
564	St. Joseph's U.	2,596	2,761	2,540	1,755	1,654	1,368	1,087	835
565	U. WI, Eau Claire	791	844	804	685	1,158	1,320	829	817
566	Pepperdine U.	ne	ne	ne	135	420	933	299	808
567	Southern OR U.	1,602	2,032	1,500	506	424	639	885	799
568	U. WI, Green Bay	1,130	1,199	838	653	654	778	848 i	797 i
569	Ithaca C.	1,558	1,358	1,252	1,197	851	617	627	774
570	Evergreen State C.	647	448	548	579	651	886	1,004	772
571	U. of St. Thomas (MN)	182	232	302	472	580	842	933	767
572	Augsburg C.	853	1,103	857	744	ne	ne	905	766
573	U. Central OK	198	841	308	843	850	1,059	1,146	750
574	NM Highlands U.	930	1,084	782	1,115	1,622	970	989	735
575	Norwich U.	ne	ne	ne	ne	ne	ne	1,064	733
576	East Central U.	ne	ne	ne	ne	ne	ne	1,518	730
577	U. Houston, Clear Lake	504	315	159	111	119	301	818	730
578	Mercyhurst U.	ne	897	510	903	684	854	389	729
579	Eastern WA U.	492	639	675	596	602	46	559	725
580	Oakwood U.	405 i	449 i	ne	2,737	493	ne	ne	724
581	Lewis and Clark C.	102	437	586	575	684 i	843	684	718
582	U. NE, Kearney	20	136	871	467	559	289	1,018	716
583	Monmouth U.	779	1,690	1,762	1,538	1,571	2,190	1,873	714
584	Rose-Hulman Institute of Technology	1,163	1,983	886	784	843	1,159	839	712

TABLE 22. Federally financed higher education R&D expenditures, ranked by FY 2012 R&D expenditures: FYs 2005–12

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
585	Drew U.	ne	ne	ne	ne	ne	ne	3,695	703
586	MN State U., Mankato	48	93	495	745	363	2,051	852	701
587	U. WA, Bothell	NA	NA	NA	NA	NA	446	911	701
588	Philadelphia C. of Osteopathic Medicine	973	681	560	563	542	812	850	694
589	SUNY, Farmingdale State C.	ne	ne	ne	ne	ne	228	584	693
590	Reed C.	774	598	658	663	639	796	772	678
591	Central CT State U.	879	568	612	448	199	366	684	677
592	Purdue U., North Central	NA	NA	NA	NA	NA	639	646	676
593	Roosevelt U.	ne	ne	ne	ne	ne	ne	ne	674 i
594	Indiana U. PA	578	355	286	407	589	660	833	672
595	Calvin C.	770	672	600	2,156	1,528	2,084	560	664
596	SUNY, C. Old Westbury	1,469	1,632	1,468	878	519	642 i	696 i	654 i
597	Davidson C.	217 i	230	696	799	1,611	1,153	1,053	651
598	Grinnell C.	603	180	145	343	43	1,161	287	648
599	CA State U., Bakersfield	6,645	4,728	584	139	678	637	727	641
600	Naval War C.	ne	ne	ne	ne	ne	ne	ne	632 i
601	Skidaway Institute of Oceanography	ne	ne	ne	ne	ne	ne	ne	632 i
602	Arcadia U.	324 i	332 i	426	462	331	1,206	1,621	620
603	LA State U., Shreveport	86	359	757	545	556	849	801	620
604	Governors State U.	372	795	1,137	1,243	1,319	1,124	797	609
605	Northwestern State U. LA	0 i	0	0	535	573	635	683	609
606	U. IL, Springfield	850	747	1,300	1,335	1,258	436	455	602
607	Louisville Presbyterian Theological Seminary	ne	ne	ne	ne	ne	ne	ne	601 i
608	Quinnipiac U.	ne	ne	ne	ne	ne	ne	ne	601 i
609	Chicago State U.	1,724	1,994	1,993	1,926	5,588	1,598	2,014	565
610	Doane C.	ne	ne	ne	ne	ne	ne	1,008	546
611	CA State U., East Bay	2,122	2,037	1,652	1,287	1,457	643	921	536
612	Seattle U.	421	469 i	517 i	820	314	468 i	622	530
613	U. Detroit Mercy	191 i	286	227 i	ne	972	633	856	508
614	Edward Via C. of Osteopathic Medicine	ne	ne	ne	ne	ne	ne	707	502
615	Hampshire C.	1,110	373	476	349	439	533	1,028	499
616	Scripps C.	ne	ne	ne	ne	ne	ne	503	499 i
617	Philadelphia U.	227 i	759	776	440	586	968	1,342	497
618	Rider U.	308	372	321	365	560	407	350	490
619	Austin Peay State U.	ne	ne	ne	ne	ne	ne	729	484
620	SUNY, C. Plattsburgh	3,573	3,732	2,270	471	1,051	1,187	726	454
621	New C. FL	202	ne	ne	ne	ne	514	626	451
622	U. of Mary Washington	ne	ne	ne	ne	ne	ne	660	445
623	Midwestern U.	1,298	1,168	801	543	417	315	438	427

TABLE 22. Federally financed higher education R&D expenditures, ranked by FY 2012 R&D expenditures: FYs 2005–12

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
624	Sewanee: U. of the South	68	57	13	ne	ne	ne	491	427
625	Whitman C.	499	302	289	1,067	429	1,080	957	398
626	CO C.	82 i	ne	ne	1,027	261	473	458	389
627	IN U., South Bend	NA	NA	NA	NA	NA	282	494	375
628	Wabash C.	222	147	241	235	256	208	271	347
629	West Liberty U.	ne	442	310	268	374	550	413	340
630	Saginaw Valley State U.	13	57	396	91	89	77	525	334
631	Western New England U.	ne	ne	ne	ne	ne	ne	931	325
632	U. Portland	357	687	740	753	629	335	307	312
633	Niagara U.	ne	ne	ne	ne	154	162	166	275
634	Suffolk U.	ne	ne	ne	ne	ne	ne	299	249
635	A. T. Still U.	344	273	120	7	6	116	244	239 i
636	McNeese State U.	382	279	140	195	191	433	495	228
637	Shippensburg U. PA	ne	ne	ne	ne	ne	ne	34	226
638	St. Bonaventure U.	ne	ne	ne	ne	475	767	974	220
639	St. Cloud State U.	2,471	2,082	2,012	2,008	2,244	1,260	622	215
640	Weber State U.	ne	ne	ne	ne	307	355	550	192
641	C. Wooster	467	507	219	150	284	249	512	183
642	Memorial Sloan-Kettering Cancer Ctr., Louis V. Gerstner Jr. Graduate School of Biomedical Sciences	ne	ne	ne	ne	ne	ne	106	179
643	Barnes-Jewish C. Goldfarb School of Nursing	ne	ne	ne	ne	ne	ne	950	166
644	Richard Stockton C. NJ	ne	ne	ne	ne	ne	ne	405	160
645	IL Wesleyan U.	150	113	644	993	353	360	156	155 i
646	Angelo State U.	ne	69	66	30	312	236	318	149
647	William Paterson U.	ne	ne	133 i	139	106	105	140	132 i
648	La Salle U.	ne	209	2,598	2,714	1,826	246	277	114
649	Wheaton C., Wheaton	ne	ne	ne	ne	ne	ne	585	114
650	Elon U.	ne	ne	ne	ne	ne	ne	40	112
651	OK State U. Ctr. for Health Sciences	NA	NA	NA	NA	NA	817	377	83
652	Cheyney U. PA	247 i	278	166	111	169	255	333	81
653	U. TN, Martin	31	59	60	38	52	0	10	64
654	Touro C.	ne	ne	ne	ne	ne	ne	0	53
655	Alliant International U.	ne	ne	ne	ne	ne	ne	47	17
	All other surveyed institutions ^b	3,045,376	3,191,847	3,206,925	3,347,045	3,536,769	49,740	71,720	0

i = imputed. NA = not available; institution was not surveyed separately. ne = not eligible; institution did not meet the criteria for inclusion.

^a Johns Hopkins University includes Applied Physics Laboratory, with \$1,085,637 thousand in federally financed R&D expenditures in FY 2012.

^b The majority of expenditures included under All other surveyed institutions for FY 2009 and earlier years is accounted for by multi-campus institutions that reported a single amount prior to FY 2010.

TABLE 22. Federally financed higher education R&D expenditures, ranked by FY 2012 R&D expenditures: FYs 2005–12

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
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NOTES: From FY 2005 through FY 2009, some institution totals for all R&D expenditures may be lower-bound estimates because the National Science Foundation did not attempt to estimate for nonresponse on non-science and engineering R&D expenditures item prior to FY 2010. 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 multi-campus universities; some are part of state university systems. For a complete listing of campuses that belong to a larger university or system and their aggregate R&D expenditures, see table A-3.

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