

TABLE 13. Higher education R&D expenditures, ranked by FY 2011 R&D expenditures: FY 2004–11

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007	2008	2009	2010	2011
	All institutions	44,838,918	47,535,201	49,645,341	51,590,356	54,113,919	57,288,474	61,190,610	65,073,411
1	Johns Hopkins U. ^a	1,375,014	1,458,426	1,512,066	1,566,392	1,691,469	1,866,243	2,004,482	2,145,308
2	U. MI, Ann Arbor	NA	NA	NA	NA	NA	NA	1,184,445	1,279,123
3	U. WA, Seattle	NA	NA	NA	NA	NA	NA	1,022,740	1,148,533
4	U. WI, Madison	830,122	875,722	904,787	912,219	944,626	1,013,649	1,029,295	1,111,642
5	Duke U.	521,994	632,358	658,783	783,784	769,893	807,652	983,289	1,022,207
6	U. CA, San Diego	708,690	721,035	757,157	801,823	844,877	883,653	943,219	1,009,378
7	U. CA, San Francisco	728,321	754,444	796,149	842,840	885,182	947,697	935,509	995,226
8	U. CA, Los Angeles	772,569	785,625	841,352	854,497	904,840	923,916	936,995	982,357
9	Stanford U.	684,414	728,044	692,263	702,497	698,883	717,022	839,839	907,971
10	U. Pittsburgh, Pittsburgh	466,557	526,458	535,186	564,994	599,800	629,088	822,491	899,386
11	U. PA	618,915	677,386	696,443	668,105	740,410	758,159	836,322	886,036
12	Columbia U. in the City of New York	468,484	535,424	529,946	545,996	548,704	604,660	807,235	878,900
13	U. MN, Twin Cities	NA	NA	NA	NA	NA	NA	786,074	847,419
14	OH State U.	551,268	643,283	663,012	737,324	726,302	743,591	755,194	832,126
15	PA State U., University Park and Hershey Medical Ctr.	NA	NA	NA	NA	NA	NA	770,449	794,846
16	Cornell U.	577,093	608,811	650,592	645,791	655,641	672,692	749,721	781,651
17	U. NC, Chapel Hill	420,773	447,984	448,509	484,160	530,515	651,308	755,284	767,450
18	U. FL	458,749	564,221	599,749	635,956	632,680	644,241	681,548	739,931
19	Washington U., St. Louis	492,998	535,642	551,333	575,846	566,378	630,141	695,974	725,039
20	MA Institute of Technology	561,418	597,007	623,343	637,621	682,058	759,649	677,138	723,610
21	U. CA, Berkeley	525,598	554,551	563,837	570,252	620,374	682,568	694,049	707,945
22	U. CA, Davis	511,757	546,978	576,096	604,512	647,691	687,690	679,915	707,896
23	TX A&M U., College Station	470,324	494,262	508,787	565,631	604,526	651,923	689,624	705,720
24	U. TX, M. D. Anderson Cancer Ctr.	353,034	383,780	457,696	496,539	558,503	578,788	599,529	663,279
25	Yale U.	423,664	432,806	462,080	451,318	490,913	512,997	623,510	656,967
26	GA Institute of Technology	411,548	427,067	444,959	476,138	524,888	565,487	615,833	655,375
27	Harvard U.	489,798	498,219	506,987	493,920	505,832	525,452	583,361	649,774
28	U. TX, Austin	382,393	453,113	476,958	502,786	553,051	566,166	589,502	632,171
29	Northwestern U.	382,021	413,526	449,782	473,060	518,572	555,510	575,078	618,980
30	U. AZ	482,502	531,898	538,086	533,450	547,197	566,334	586,647	610,565
31	U. Southern CA	449,615	470,104	475,696	528,466	540,366	556,807	592,791	603,294
32	Purdue U., West Lafayette	NA	NA	NA	NA	NA	NA	548,980	578,231
33	Vanderbilt U.	322,634	357,141	389,026	415,750	444,873	455,835	504,959	566,031
34	Emory U.	314,849	337,154	349,867	412,503	463,317	459,067	529,453	547,316
35	U. IL, Urbana-Champaign	533,249	524,680	494,748	492,347	518,333	581,805	515,133	545,669
36	U. AL, Birmingham	311,746	319,840	332,841	352,777	405,731	435,460	489,845	503,698
37	U. MD, College Park	350,773	362,461	368,989	371,696	405,569	417,365	451,415	495,382
38	Baylor C. of Medicine	476,075	458,694	462,375	438,280	449,301	449,031	447,874	466,061

TABLE 13. Higher education R&D expenditures, ranked by FY 2011 R&D expenditures: FY 2004–11

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007	2008	2009	2010	2011
39	MI State U.	348,166	361,807	388,845	395,611	392,242	405,961	431,373	454,248
40	U. Chicago	274,794	296,817	308,557	325,161	360,047	381,194	437,721	453,562
41	VA Polytechnic Institute and State U.	270,794	292,519	325,318	370,805	375,773	399,433	398,169	450,058
42	U. Cincinnati	285,200	296,113	304,815	344,526	359,011	369,906	411,269	448,936
43	U. IA	320,441	343,043	356,169	374,905	300,422	334,937	444,034	443,893
44	Rutgers, State U. NJ, New Brunswick	NA	NA	NA	NA	NA	NA	428,432	432,306
45	U. TX, Southwestern Medical Ctr., Dallas	314,403	320,800	333,237	341,090	390,349	402,087	419,220	431,883
46	NY U.	259,333	310,014	304,022	319,728	337,093	338,839	365,944	430,752
47	Case Western Reserve U.	235,072	324,502	374,714	379,347	420,441	418,012	418,164	429,206
48	U. Rochester	315,079	348,278	369,487	377,016	378,368	398,187	414,655	429,034
49	U. CO, Denver and Anschutz Medical Campus	239,163	253,444	260,292	264,739	269,805	364,659	389,461	417,587
50	U. UT	231,757	246,132	249,719	248,864	254,632	334,002	379,200	414,316
51	U. MD, Baltimore	317,293	304,396	405,260	358,851	379,407	359,542	374,036	409,665
52	Scripps Research Institute	307,910	330,170	367,375	360,511	366,047	382,275	387,298	400,768
53	U. South FL, Tampa	NA	NA	NA	NA	NA	NA	385,029	394,963
54	U. CO, Boulder	239,104	265,447	254,805	267,314	272,191	299,892	349,449	390,677
55	WA State U.	175,142	185,282	203,542	213,262	283,086	301,080	304,352	388,974
56	U. IL, Chicago	317,302	322,468	337,180	344,815	339,704	347,118	362,939	380,828
57	NC State U.	292,720	302,596	330,936	333,027	367,422	383,193	360,795	378,154
58	CA Institute of Technology	261,098	265,364	270,354	287,343	274,671	345,400	362,172	377,514
59	U. KY	310,470	319,900	337,646	348,835	345,355	360,254	359,944	372,932
60	Mt. Sinai School of Medicine	212,786	225,293	273,216	269,451	296,380	318,407	370,666	363,091
61	Boston U.	244,359	251,198	261,632	253,899	259,045	284,507	352,817	355,916
62	AZ State U.	162,725	177,426	211,396	238,054	273,532	311,461	329,345	355,215
63	SUNY, U. Buffalo	268,515	275,334	304,757	323,417	339,575	349,423	349,670	353,172
64	U. CA, Irvine	257,024	276,763	306,257	316,178	334,279	336,345	327,594	344,678
65	Brown U.	150,117	162,919	195,710	175,623	182,596	187,380	335,838	344,090
66	OR Health and Science U.	254,447	266,687	272,174	287,430	301,396	309,675	314,990	334,324
67	CO State U., Ft. Collins	224,215	244,303	267,453	296,020	302,613	311,720	302,896	330,784
68	U. Miami	195,918	211,201	215,491	212,532	244,067	250,339	280,671	323,486
69	IN U.-Purdue U., Indianapolis	NA	NA	NA	NA	NA	NA	296,194	322,617
70	U. HI, Manoa	236,368	230,651	250,694	266,447	271,835	290,707	303,085	318,316
71	U. KS	194,440	208,285	214,768	219,535	227,433	236,544	267,961	302,668
72	U. VA, Charlottesville	NA	NA	NA	NA	NA	NA	276,308	292,106
73	LA State U., Baton Rouge	224,595	238,813	256,248	266,895	280,081	294,780	289,872	287,841
74	Yeshiva U.	183,253	193,104	189,416	192,199	197,311	193,010	314,240	283,673
75	Rockefeller U.	192,222	198,719	215,417	233,917	247,505	252,478	265,750	272,491
76	IA State U.	218,370	215,848	227,585	221,002	228,167	228,526	250,120	267,641
77	Princeton U.	199,068	212,723	195,148	198,945	204,489	212,510	242,570	263,335

TABLE 13. Higher education R&D expenditures, ranked by FY 2011 R&D expenditures: FY 2004–11

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007	2008	2009	2010	2011
78	U. MA, Medical School	169,090	176,349	156,452	157,469	178,614	204,033	232,039	262,714
79	U. TX, Health Science Ctr., Houston	147,328	152,631	175,154	191,724	197,252	217,623	240,772	261,172
80	Wayne State U.	233,132	231,000	225,034	238,738	253,604	257,207	254,492	259,895
81	U. CT	215,098	223,192	225,274	233,774	233,246	232,944	237,908	253,792
82	SUNY, U. Albany, C. Nanoscale Science and Engineering	NA	NA	NA	NA	NA	NA	NA	248,778
83	U. GA	334,241	337,467	342,763	351,935	369,546	369,997	230,803	245,166
84	Carnegie Mellon U.	207,772	202,244	213,338	198,139	210,988	217,687	222,790	242,882
85	U. NE, Lincoln	207,839	214,053	228,976	229,496	244,869	251,195	191,268	235,296
86	U. of Medicine and Dentistry of NJ	209,134	239,778	245,771	236,834	230,347	223,796	230,235	234,354
87	U. MO, Columbia	227,592	234,334	231,170	244,429	251,894	253,527	238,500	230,957
88	U. CA, Santa Barbara	151,325	165,014	179,857	200,504	214,441	227,221	225,730	230,435
89	FL State U.	201,883	207,968	209,857	211,310	211,557	237,794	227,329	230,411
90	OR State U.	207,201	217,998	227,693	231,895	233,358	257,564	216,595	228,814
91	MS State U.	199,560	184,612	196,119	211,271	219,017	225,426	231,675	226,070
92	U. NM	170,085	182,871	186,047	181,734	202,694	205,831	211,771	220,565
93	Medical C. WI	139,235	143,540	147,140	158,171	165,529	176,237	191,816	215,358
94	Medical U. SC	163,179	178,086	176,055	184,624	189,369	216,778	224,632	213,346
95	SUNY, Stony Brook U.	219,486	212,698	236,095	268,541	190,712	189,299	204,728	211,356
96	Dartmouth C.	173,508	179,107	200,329	192,846	188,122	190,425	194,141	210,631
97	Wake Forest U.	133,753	185,668	183,843	186,175	200,750	201,701	192,034	209,134
98	VA Commonwealth U.	145,726	161,801	167,748	151,197	171,637	162,283	197,709	207,756
99	U. SC, Columbia	NA	NA	NA	NA	NA	NA	229,145	201,592
100	Woods Hole Oceanographic Institution	114,087	117,517	121,888	137,410	150,720	157,289	181,746	198,775
101	U. TX, Health Science Ctr., San Antonio	137,039	142,375	150,040	160,282	201,323	221,535	207,115	198,655
102	George Washington U.	122,202	130,405	135,931	149,413	181,688	103,793	196,917	197,621
103	U. Louisville	119,156	139,942	148,246	163,434	164,123	167,178	189,090	197,438
104	U. TX, Medical Branch	166,798	174,254	179,915	183,492	180,026	184,845	188,399	193,555
105	U. OK	163,962	182,436	186,349	187,454	204,765	213,720	218,089	189,506
106	IN U., Bloomington	NA	NA	NA	NA	NA	NA	177,520	184,096
107	U. MA, Amherst	124,783	134,097	140,184	146,323	156,817	160,666	169,141	181,297
108	Uniformed Services U. of the Health Sciences	89,999	78,694	67,716	71,307	106,179	192,268	134,126	175,365
109	U. AK, Fairbanks	133,251	140,594	154,441	155,147	149,313	157,600	161,986	175,246
110	UT State U.	156,466	134,223	142,935	142,784	148,257	145,240	149,169	174,167
111	Tulane U.	129,776	143,899	118,828	140,321	165,678	163,572	165,513	171,703
112	Georgetown U.	131,387	127,288	122,135	140,710	144,957	151,064	159,355	169,916
113	U. DE	111,580	112,591	116,982	120,431	126,971	126,788	153,311	169,746
114	KS State U.	121,394	126,826	126,960	126,864	141,535	151,376	160,679	169,167
115	U. TN, Knoxville	NA	NA	NA	NA	NA	NA	150,671	167,456

TABLE 13. Higher education R&D expenditures, ranked by FY 2011 R&D expenditures: FY 2004–11

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007	2008	2009	2010	2011
116	WV U.	110,344	117,274	124,046	138,800	145,107	145,656	154,926	166,420
117	Clemson U.	165,139	180,262	184,940	216,959	200,789	193,924	174,693	166,350
118	Auburn U., Auburn	NA	NA	NA	NA	NA	NA	145,115	163,335
119	OK State U., Stillwater	NA	NA	NA	NA	NA	NA	147,094	162,786
120	Tufts U.	131,407	136,602	133,628	135,868	145,169	154,575	156,106	156,395
121	U. CA, Santa Cruz	94,297	105,617	134,458	147,396	162,100	170,461	143,919	155,617
122	TX Tech U.	57,942	57,998	59,929	59,439	60,165	92,058	133,360	149,399
123	SUNY, U. Albany	208,157	264,581	277,841	309,438	271,187	341,624	359,364	148,625
124	U. NH	112,185	115,976	121,952	120,463	121,092	117,546	115,562	143,002
125	NM State U.	94,278	126,450	168,502	152,104	141,523	154,363	157,872	139,062
126	U. Notre Dame	78,428	75,566	82,137	82,272	103,311	104,866	110,369	134,410
127	ND State U.	102,412	103,248	104,505	107,337	116,327	114,260	126,419	134,064
128	U. NE, Medical Ctr.	98,736	123,263	108,012	111,751	112,887	123,629	138,219	133,036
129	U. VT	114,570	116,279	122,814	114,172	116,463	122,991	129,856	132,356
130	U. CA, Riverside	110,627	122,221	135,603	139,960	139,319	139,536	130,288	132,238
131	U. MS and U. MS Medical Ctr.	88,649	101,350	105,029	117,522	99,413	100,102	110,020	132,164
132	Temple U.	78,682	86,646	84,114	90,773	99,815	111,421	124,528	126,478
133	MT State U., Bozeman	103,556	118,188	121,534	124,833	130,120	126,844	135,084	125,966
134	U. AR for Medical Sciences	74,063	91,516	107,871	108,551	117,440	106,314	119,518	122,066
135	U. AR, Fayetteville	96,663	107,974	109,609	113,773	115,397	117,448	113,909	120,007
136	Drexel U.	78,279	93,323	97,675	98,010	103,558	105,020	118,349	115,020
137	U. Houston	65,692	87,936	80,984	78,381	87,691	102,917	119,811	113,709
138	U. ME	82,325	75,815	93,867	100,072	96,755	101,344	111,282	111,600
139	Rice U.	61,629	63,769	67,045	72,112	74,720	79,431	97,903	110,235
140	FL International U.	72,724	87,720	84,697	108,015	107,025	101,322	110,271	110,006
141	U. Central FL	132,822	121,699	122,879	141,140	147,092	148,809	117,985	109,190
142	San Diego State U.	77,382	83,599	83,398	74,686	81,385	91,074	99,137	106,591
143	Thomas Jefferson U.	112,078	107,388	106,986	107,288	99,275	101,188	103,064	104,923
144	U. OR	60,104	61,058	66,602	71,362	78,934	86,371	94,107	103,019
145	U. RI	60,947	60,252	70,696	76,237	78,871	84,989	90,016	102,630
146	Old Dominion U.	38,922	56,956	65,357	73,549	87,594	96,186	97,176	102,192
147	Naval Postgraduate School	56,184	54,233	62,714	66,972	89,940	82,451	103,510	101,363
148	NJ Institute of Technology	74,998	76,920	77,583	88,699	89,792	92,891	92,318	100,491
149	U. ID	94,652	93,127	88,284	83,690	82,489	89,242	87,207	96,229
150	Cold Spring Harbor Lab.	ne	ne	ne	ne	ne	ne	ne	95,984
151	U. TX, Dallas	31,274	43,111	44,198	46,477	59,300	65,804	82,044	93,230
152	GA State U.	56,161	61,651	64,624	65,900	94,429	78,920	81,015	92,725
153	U. MD, Baltimore County	50,065	59,105	68,205	71,201	72,057	81,056	87,156	91,657
154	U. Dayton	66,158	70,178	72,070	76,166	83,293	95,043	93,309	90,557
155	U. NV, Reno	84,917	97,306	100,643	99,286	104,841	109,151	95,423	89,740

TABLE 13. Higher education R&D expenditures, ranked by FY 2011 R&D expenditures: FY 2004–11

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007	2008	2009	2010	2011
156	George Mason U.	54,763	57,373	60,168	61,068	76,838	85,306	84,120	88,089
157	Northeastern U.	47,283	70,001	72,329	78,220	66,315	67,174	79,949	86,783
158	Rensselaer Polytechnic Institute	57,555	65,921	71,382	77,679	77,967	78,188	83,952	84,834
159	Syracuse U.	52,016	48,227	53,784	58,342	62,098	79,950	107,024	83,686
160	U. TN, Health Science Ctr.	NA	NA	NA	NA	NA	NA	81,904	81,220
161	Rush U.	89,254	83,693	83,194	84,370	89,513	96,975	73,398	79,212
162	U. AL, Huntsville	50,233	57,330	61,831	73,760	75,818	74,340	75,683	75,724
163	TX A&M Health Science Ctr.	64,170	73,162	76,109	77,957	79,688	83,631	81,615	74,957
164	Brandeis U.	54,757	56,435	59,250	58,925	51,686	65,586	71,006	74,889
165	U. ND	49,864	47,024	56,301	63,298	65,185	71,858	76,560	74,882
166	U. Toledo	28,076	33,002	32,745	54,342	61,082	67,464	70,399	74,149
167	U. TX, El Paso	35,706	37,985	42,882	47,410	50,603	59,983	68,870	74,069
168	U.S. Air Force Academy	31,422	30,115	10,547	16,345	45,445	50,452	62,097	73,607
169	GA Health Sciences U.	58,808	67,278	61,174	60,001	57,085	65,473	72,015	73,486
170	SUNY, U. Binghamton	25,701	25,919	29,966	37,382	62,959	71,912	72,057	72,539
171	U. TX, Arlington	19,375	29,155	29,408	33,324	48,475	55,005	71,414	72,483
172	Southern IL U., Carbondale	54,227	57,760	75,564	65,074	67,435	66,658	69,924	71,130
173	MI Technological U.	35,670	41,337	44,200	56,640	60,356	60,395	63,471	70,089
174	U. LA, Lafayette	61,076	52,139	55,427	60,203	65,462	75,474	69,412	69,978
175	SD State U.	30,990	32,389	33,496	39,564	48,063	55,584	67,552	69,680
176	U. WI, Milwaukee	37,382	42,974	45,219	52,523	52,443	56,196	71,181	65,648
177	U. Akron	27,996	27,897	28,675	27,399	27,415	34,853	52,884	65,536
178	U. PR, Medical Sciences Campus	34,092	35,809	38,424	38,863	35,570	41,668	39,134	64,017
179	U. CA, Office of the President	90,233	97,245	128,992	119,109	100,189	83,108	72,542	63,420
180	U. TN, Institute of Agriculture	NA	NA	NA	NA	NA	NA	59,212	62,786
181	FL Atlantic U.	23,805	27,797	30,393	46,055	49,410	56,127	56,472	62,024
182	CUNY, City C.	28,232	29,826	31,071	33,712	35,096	37,538	46,699	60,648
183	U. MT	52,156	55,795	53,333	56,119	58,557	59,791	63,540	60,159
184	U. MA, Lowell	23,935	25,745	29,383	36,117	40,873	56,664	59,345	60,013
185	Portland State U.	21,548 e	29,371	32,308	30,203	35,705	44,574	56,533	58,975
186	C. of William and Mary and VA Institute of Marine Science	57,520	57,867	60,813	59,894	63,400	59,638	57,461	58,919
187	TX Tech U., Health Sciences Ctr.	19,827	18,697	22,013	21,006	24,716	37,363	51,282	58,774
188	U. TX, San Antonio	16,516	23,606	32,317	32,321	34,601	46,521	56,279	58,667
189	OH U.	39,618	44,593	39,167	39,008	38,984	43,097	50,440	57,643
190	U. WY	60,054	83,742	89,707	80,041	76,711	79,684	55,319	57,549
191	U. MA, Boston	16,553	19,418	22,347	37,441	38,018	47,028	56,416	57,040
192	LA State U., Health Sciences Ctr., New Orleans	95,777	93,595	79,927	91,498	60,007	59,111	59,776	57,007
193	Cleveland State U.	18,092	22,415	16,076	17,819	15,027	14,345	34,235	55,502
194	U. AL, Tuscaloosa	35,427	34,770	35,642	36,807	33,477	36,889	40,762	53,633
195	FL A&M U.	45,023	28,506	36,824	17,695	25,515	27,018	53,474	53,326

TABLE 13. Higher education R&D expenditures, ranked by FY 2011 R&D expenditures: FY 2004–11

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007	2008	2009	2010	2011
196	St. Louis U.	41,263 e	47,356	48,248	56,921	59,236	38,075	46,839	53,179
197	Boston C.	32,158 e	33,732	38,309	41,710	44,413	45,795	50,537	52,253
198	Wichita State U.	44,525	53,182	37,934	53,392	60,640	75,655	51,524	50,194
199	U. MD, Ctr. for Environmental Science	39,631	41,022	40,146	40,720	40,556	41,670	42,670	50,007
200	Jackson State U.	31,641	35,876	38,273	36,888	42,739	44,884	44,862	49,998
201	CO School of Mines	27,087	26,499	28,729	29,939	34,050	40,117	44,879	48,704
202	Wright State U.	38,213	40,409	47,749	49,798	47,803	48,215	48,575	48,501
203	U. Memphis	61,473	68,505	56,686	57,264	56,075	54,970	49,517	48,321
204	American U.	1,992	1,671	3,843	13,107	15,742	35,194	39,747	46,611
205	U. Southern MS	36,858	38,766	40,845	48,595	47,582	47,205	42,059	46,591
206	U. North TX, Health Science Ctr.	18,520	22,325	25,124	28,187	28,179	29,582	38,862	45,943
207	IL Institute of Technology	24,364	28,081	24,654	26,740	25,289	25,709	36,554	44,463
208	NM Institute of Mining and Technology	38,476	56,134 i	73,792	83,742	79,437	81,742	51,696	43,857
209	U. HI, Hilo	11,225	16,653	18,564	16,674	14,500	20,202	14,857	42,983
210	Loyola U., Chicago	37,525	41,876	38,611	35,420	35,307	36,519	43,903	42,708
211	U. North TX, Denton	17,124	16,799	18,285	15,981	18,066	24,120	31,496	42,475
212	Howard U.	41,539	41,913	36,817	38,583	38,010	34,714	40,080	42,341
213	U. South AL	20,096	19,431	19,729	26,181	29,895	32,882	35,500	42,233
214	SUNY, Health Science Ctr. Brooklyn	30,207 i	29,732	31,064	29,809	32,299	29,184	32,512	41,993
215	Stevens Institute of Technology	30,154	31,059	33,600	34,383	30,493	28,660	35,544	41,622
216	MO U. of Science and Technology	46,388	40,832	39,274	31,168	36,533	35,672	42,263	41,581
217	San Jose State U.	44,120	48,624	49,267	47,256	52,408	55,213	38,241	40,149
218	SUNY, Upstate Medical U.	32,090	34,931	37,181	39,699	36,359	33,194	43,824	39,988
219	CUNY, Hunter C.	38,436	37,075	36,039	31,023	34,644	37,349	38,900	39,772
220	U. NV, Las Vegas	45,429	49,564	58,618	57,768	53,320	41,652	44,457	39,526
221	Loma Linda U.	29,651	29,898	32,451	28,020	35,890	37,557	35,990	39,409
222	Touro C.	ne	ne	ne	ne	ne	ne	ne	39,406
223	Brigham Young U., Provo	26,820	26,990	30,013	29,635	28,988	29,901	32,997	37,142
224	Eastern VA Medical School	33,798	33,721	33,013	31,453	30,777	36,678	44,420	36,569
225	Rutgers, State U. NJ, Newark	NA	NA	NA	NA	NA	NA	27,745	35,774
226	U. New Orleans	25,122	35,061	26,520	28,972	27,917	30,801	35,021	35,359
227	Desert Research Institute	34,783	34,570	38,511	40,238	38,045	36,490	34,367	35,331
228	NC Agricultural and Technical State U.	19,543	22,993	23,948	24,138	29,036	28,615	35,297	34,930
229	Rochester Institute of Technology	20,711	24,309	24,703	24,106	27,025	33,393	38,663	34,889
230	U. PR, Mayaguez	18,386	21,792	22,337	21,738	20,094 i	20,991	26,475	34,424
231	Morehouse School of Medicine	33,317	30,652	28,378	27,886	27,077	27,392	30,669 i	33,946
232	Southern IL U., Edwardsville	39,183	39,914	42,457	44,650	47,268	49,139	31,781	33,736
233	TX State U., San Marcos	10,450	8,896	9,496	10,320	19,309	24,497	30,560	33,487
234	U. MO, Kansas City	35,208	34,282	27,572	30,944	28,892	28,657	30,163	32,769
235	U. PR, Rio Piedras	13,071	21,432	22,623	22,345	35,665	31,592	30,515	32,582

TABLE 13. Higher education R&D expenditures, ranked by FY 2011 R&D expenditures: FY 2004–11

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007	2008	2009	2010	2011
236	Lehigh U.	32,048	38,886	35,046	38,307	38,190	34,352	37,332	32,086
237	SD School of Mines and Technology	10,626	13,347	12,589	14,480	16,503	14,373	28,572	32,070
238	AL A&M U.	17,430	16,075	14,431	13,672	8,959	14,752	30,497	32,063 i
239	Air Force Institute of Technology	13,306	15,091	19,394	17,173	20,527	27,458	31,259	31,879
240	Creighton U.	25,451	27,022	25,615	28,374	26,872	27,104	27,700	31,443
241	LA State U., Medical Ctr., Shreveport	ne	ne	ne	ne	33,458	31,293	30,817	31,021
242	Northern AZ U.	20,809	23,047	27,892	27,030	26,160	26,723	28,803	30,785
243	Meharry Medical C.	27,507	29,105	32,878	33,218	34,152	26,587	27,001	29,055
244	Mercer U.	18,437	20,042	19,622	18,163	19,739	21,974	27,298	29,039
245	U. SD	15,524	18,919	22,892	21,473	22,742	34,690	30,616	28,959
246	SUNY, C. of Environmental Science and Forestry	19,419 i	12,054	17,954 i	23,854	26,359	20,513	26,916	28,289 i
247	CA State U., Fullerton	7,431	7,515	7,893	7,115	9,038	14,898	21,776	28,186
248	East Carolina U.	13,811	14,563	14,539	16,372	16,880	24,922	23,995	28,114
249	LA Tech U.	19,634	18,612	18,095	17,190	22,768	21,458	26,020	27,583
250	U. NC, Charlotte	19,225	20,307	22,656	26,974	25,196	29,272	31,814	27,533
251	Kent State U.	16,283	15,157	16,506	22,201	26,168	27,275	26,331	27,455
252	NY Medical C.	33,521	32,460	34,397	34,365	31,644	30,584	28,400	27,316
253	Marshall U.	21,757	23,606	19,957	22,755	23,022	23,645	24,501	26,723
254	San Francisco State U.	42,903	24,008	28,307	27,244	21,382	25,323	25,615	26,198
255	U. NC, Greensboro	16,880	16,016	13,724	13,574	16,451	19,811	22,436	26,121
256	Miami U.	15,377	18,026	19,229	23,729	25,052	29,808	26,521	26,093
257	CA State U., Northridge	28,043	21,266	17,140	21,866	20,574	20,822	29,469	25,654
258	U. MA, Dartmouth	18,757	21,133	20,389	20,120	20,925	20,669	25,725	25,644
259	Catholic U. America	24,854	22,754	18,412	20,484	20,767	20,400	21,454	25,397
260	Western MI U.	22,414	24,801	25,470	25,779	26,649	22,579	26,391	25,051
261	Southern Methodist U.	12,129	14,439	15,823	16,985	22,902	16,741	18,742	24,453
262	Boise State U.	9,126	9,168	8,997	11,520	11,592	12,305	18,731	24,204
263	U. MN, Duluth	NA	NA	NA	NA	NA	NA	21,150	23,400
264	U. Tulsa	16,000	13,640	13,209	16,218	15,576	13,769	23,387	23,320
265	CUNY, Queens C.	6,983	7,628	7,462	9,840	11,989	13,115	16,845	23,219
266	U. NC, Wilmington	14,862	21,431	14,212	17,603	20,326	18,287	23,143	22,593
267	Charles R. Drew U. of Medicine and Science	51,994	43,231	47,188	52,118	49,224	57,604	22,152	22,150
268	Worcester Polytechnic Institute	14,097	14,736	15,345	14,308	15,887	15,645	18,613	22,137
269	U. of the VI	17,874	16,735	17,495	17,842	18,099	22,019	32,350	21,994
270	Northern IL U.	12,918	14,787	21,048	21,483	21,179	27,938	27,036	21,748
271	U. West FL	10,193	19,029	13,376	14,903	14,137	13,288	17,757	21,710
272	ID State U.	14,743	20,137	17,119	20,569	21,627	21,405	20,495	21,450
273	U. CA, Merced	na	4,468	7,931	11,600	17,403	22,013	21,591	21,328
274	Albany Medical C.	15,562	15,465	16,227	15,029	15,108	17,776	22,953	20,876
275	Marquette U.	9,982	10,616	11,051	9,917	10,602	10,470	14,310	19,876

TABLE 13. Higher education R&D expenditures, ranked by FY 2011 R&D expenditures: FY 2004–11

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007	2008	2009	2010	2011
276	DE State U.	4,678 i	5,909	7,642	7,729	8,384	9,924	15,200	19,019
277	Ball State U.	10,733	11,370	13,178	12,743	15,461	16,644	20,477	18,765
278	U. AK, Anchorage	13,285	13,594	16,520	14,751	13,353	13,400	16,709	18,620
279	U. MO, St. Louis	14,684	14,022	13,587	13,214	14,374	15,665	14,628	18,461
280	Teachers C., Columbia U.	12,930	13,296	13,113	14,561	17,104	18,399	17,167	18,406
281	Fordham U.	3,768	5,198	12,525	13,268	16,492	15,676	19,289	18,350
282	Clarkson U.	14,869	13,826	16,176	17,257	17,724	15,047	18,584	17,951
283	IL State U.	5,776	7,079	6,298	7,528	7,110	8,727	18,417	17,833
284	TX A&M U., Corpus Christi	13,238	10,925	12,827	13,178	12,289	13,858	17,266	17,509
285	TX A&M U., Kingsville	11,424	13,888	13,785	14,381	14,495	16,217	17,378	17,114
286	FL Gulf Coast U.	9,479	11,660	12,333	11,805	11,664	10,905	13,906	17,051
287	U. Denver	17,439	16,526	14,585	14,178	14,657	16,727	15,748	17,004
288	U. Southern ME	13,818 i	16,931 i	20,971	35,725	48,891	48,255	16,358	16,938
289	Duquesne U.	9,745	10,172	10,515	11,175	11,982	11,856	15,804	16,814
290	CA Polytechnic State U., San Luis Obispo	9,883	11,515	12,956	14,970	15,196	19,857	19,732	16,532
291	CA State U., Sacramento	262 i	237 i	212 i	183	4,718	14,461	15,207	16,344
292	CA State U., Long Beach	11,186	10,572	10,880	14,697	16,400	13,453	15,494	16,319 i
293	Embry-Riddle Aeronautical U.	9,385	14,629	10,628 i	7,930	7,004	10,899	12,189	16,289
294	Oakland U.	6,821	6,654	9,554	9,038	9,812	11,275	12,856	15,868
295	Tuskegee U.	12,781	12,168	12,982	15,905	16,606	18,543	15,581	15,685
296	Prairie View A&M U.	11,194	12,089	11,521	12,036	10,800	11,556	12,565	15,243
297	Fayetteville State U.	9,586	8,509	632	8,124	8,647	10,541	11,865	14,618
298	FL Institute of Technology	7,838	7,920	8,990	7,732	9,232	11,523	12,054	14,523
299	Rosalind Franklin U. of Medicine and Science	10,614	11,920	10,981	12,199	12,128	13,375	12,426	14,261
300	U.S. Military Academy	6,864 i	7,293 i	7,722 i	8,526	10,549	9,563	22,171	13,799
301	Northeast OH Medical U.	5,601	5,703	5,294	4,984	9,165	10,077	10,819	13,581
302	TN State U.	15,696	15,263	14,693	12,982	12,571	12,581	12,432	13,468
303	AR State U., Jonesboro	4,581	4,070	6,034	7,552	6,899	8,715	11,115	13,435
304	TN Technological U.	9,000	9,752	9,986	12,499	12,351	14,823	16,754	13,247
305	Polytechnic Institute of NY U.	20,579	24,845	24,329	23,766	13,673	9,547	10,601	13,222
306	Morgan State U.	8,580	9,544	13,523	11,257	12,336	12,433	12,804	12,803
307	Hampton U.	31,645	43,124	28,819	24,017	21,089	12,847	14,455	12,414
308	Baylor U.	7,172	8,415	8,105	10,794	12,655	14,035	10,925	12,343
309	AL State U.	1,688	1,900	1,900	1,900	2,461	17,164	13,340	12,340
310	Nova Southeastern U.	5,139	5,789	6,445	6,697	7,603	9,018	10,116	12,322
311	U. AR, Little Rock	13,785	4,345	9,331	9,598 i	9,866	10,650	11,007	12,039
312	CUNY, Graduate Ctr.	9,784	9,918	9,220	9,779	10,395	10,118	11,562	11,974
313	Purdue U., Calumet	NA	NA	NA	NA	NA	NA	14,014	11,946
314	Eastern MI U.	6,856	7,020	6,908	5,547	6,100	8,118	14,133	11,643
315	CA State U., San Bernardino	14,967	19,212	13,514	10,734	12,487	9,871	4,188	11,591

TABLE 13. Higher education R&D expenditures, ranked by FY 2011 R&D expenditures: FY 2004–11

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007	2008	2009	2010	2011
316	Alcorn State U.	7,622	6,256	6,593	9,056	11,665	13,064	10,280	11,397
317	U.S. Naval Academy	6,317	6,847	7,102	8,204	9,314	10,781	11,093	10,543
318	Ponce School of Medicine	10,140	7,840	7,654	9,103	7,686	7,085	8,934	10,502
319	Elizabeth City State U.	1,070	947	717	1,904	2,982	3,421	5,576	10,455
320	Tarleton State U.	9,026	10,235	10,128	9,232	9,476	11,835	10,763	10,426
321	Wesleyan U.	8,158	8,536	8,619	8,657	8,177	7,518	8,397	10,367
322	East TN State U.	8,029	8,350	8,188	8,269	8,485	9,445	9,869	10,249
323	Villanova U.	7,477 i	8,475 i	9,473 i	10,962	9,484	9,919 i	10,066 i	10,044
324	Fairfield U.	6,907	7,611	6,979	7,721	8,591	9,454	9,294	9,892
325	Xavier U. LA	5,585	4,784 i	4,139	4,532	5,253	5,693	8,029	9,849
326	Wheeling Jesuit U.	4,904 i	5,604 i	6,304 i	7,328	9,390	11,551	9,398	9,825
327	Humboldt State U.	6,185 i	6,342 i	6,500	7,087	8,808	15,261	9,845	9,570
328	U. NE, Omaha	7,806	9,119	8,737	7,769	6,541	8,015	8,951	9,509
329	Western WA U.	6,124	7,039	8,526	8,058	7,816	8,579	10,571	9,498
330	NC Central U.	4,945 i	5,769 i	6,597	4,337	6,323	5,379	6,870	9,496
331	U. AR, Pine Bluff	6,982	7,330	6,774	5,831	7,238	7,422	8,343	9,415
332	U. North FL	4,890	5,636	6,413	8,412	9,847	6,141	8,041	9,379
333	CUNY, Brooklyn C.	5,374	4,166	5,215	5,868	5,030	5,486	6,846	9,306
334	Dillard U.	1,069	1,401 i	2,123 i	4,684	1,991	6,513	8,425	9,256 i
335	U. TN, Chattanooga	6,642	10,294	7,838	5,991	8,602	8,303	10,749	9,251
336	Bowling Green State U.	8,318	10,542	11,990	9,667	11,390	8,562	8,124	8,999
337	IN U.-Purdue U., Ft. Wayne	NA	NA	NA	NA	NA	NA	8,523	8,864
338	CA State U., Los Angeles	8,894	10,783	9,660	12,103	10,142	9,313	7,714	8,823
339	U. TX, Pan American	4,309	5,816	6,791	7,209	8,479	8,971	8,693	8,672
340	Central MI U.	5,976	5,263	4,664	5,082	4,928	5,758	7,483	8,671
341	U. MD, Eastern Shore	5,439	5,568	4,609	3,522	6,015	7,504	8,692	8,664
342	CA State U., Fresno	16,011	13,520	10,249	5,717	8,206	10,171	8,698	8,597
343	VA State U.	5,953	5,225	10,220	10,495	8,991	9,637	7,466	8,562
344	Lincoln U., Jefferson City	2,181	2,656	5,395	5,573	6,263	8,011	8,475	8,518
345	Bryn Mawr C.	7,417	5,717	4,889	4,640	7,658	7,296	7,476	8,388
346	Western KY U.	5,919	6,833	9,090	10,404	8,855	9,138	9,943	8,344
347	C. Charleston	5,470	5,891	7,454	7,707	6,695	6,022	14,218	8,320
348	Clark Atlanta U.	13,590	12,823	11,155	8,543	7,486	7,861	8,515	8,245
349	West Chester U. PA	4,786	3,701	1,468	2,649	3,893	3,064	5,584 i	8,103
350	Morehouse C.	3,417 i	4,112	6,301	5,709	5,274	6,993	7,857	8,063 i
351	RI C.	ne	ne	ne	ne	ne	ne	ne	8,027
352	Seton Hall U.	3,543	10,131	6,546	8,035	6,812	15,427	4,003	7,701
353	U. MI, Dearborn	NA	NA	NA	NA	NA	NA	6,779	7,554
354	SC State U.	3,548	3,796	3,796	3,796	8,123	8,535	7,167	7,533 i
355	U. Central del Caribe	9,797	9,181	8,790	9,446	8,243	7,484	7,122	7,515

TABLE 13. Higher education R&D expenditures, ranked by FY 2011 R&D expenditures: FY 2004–11

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007	2008	2009	2010	2011
356	U. TX, Brownsville	ne	ne	ne	ne	5,923	6,004	6,886	7,491
357	U. CO, Colorado Springs	3,527	4,350	4,509	8,090	9,861	9,545	9,088	7,425
358	James Madison U.	5,495	5,031	4,802	5,818	5,922	5,988	7,038	7,303
359	Wellesley C.	11,239	9,425	8,408	8,803	8,735	8,385	8,422	7,242
360	Southern U. and A&M C., Baton Rouge	4,317	4,333 i	4,350	5,590	6,701	6,865	6,865	7,215 i
361	CA State Polytechnic U., Pomona	4,059	2,765	2,502	2,466	1,750	1,682	6,493	7,198
362	Gallaudet U.	6,311	6,779	6,710	8,387	4,005 i	4,490 i	7,652	7,161
363	St. Edward's U.	ne	ne	ne	ne	ne	ne	ne	7,160
364	Norfolk State U.	6,313	6,786	5,305	6,542	7,893	6,885	5,944	7,140
365	U. WI, Stevens Point	2,166	1,994	2,375	3,182	3,325	4,002	6,766	7,115 i
366	U. del Turabo	ne	150 i	864	417	532	423	6,620	7,098
367	CA State U., Monterey Bay	3,392	4,045	4,107	7,032	6,275	6,204	5,305	6,959
368	Clark U.	7,956 e	6,410	7,349	6,640	7,049	8,223	7,111	6,861
369	MT Tech of U. MT	6,790	7,000	7,843	7,142	7,883	8,395	7,424	6,705
370	Claremont Graduate U.	5,755	6,068	6,713	6,661	6,102	4,275 i	7,116	6,589
371	Loyola Marymount U.	1,052	911	2,112	2,726	3,561	4,897	4,557	6,455
372	TX Southern U.	4,648	5,089	5,294	4,564	4,858	4,992	7,003	6,318
373	CUNY, John Jay C. of Criminal Justice	1,598	1,317	1,484	2,884	4,085	6,487	5,916	6,205
374	U. WI, Superior	1,156	1,154	1,847	2,502	2,180	3,855	5,890	6,187 i
375	Cheyney U. PA	228 i	247 i	278	274	487	529	725	6,157
376	Southern U. Agriculture Research and Extension Ctr.	ne	ne	ne	ne	ne	ne	ne	6,143
377	CA State U., San Marcos	ne	ne	ne	ne	670	6,782	5,788	6,140 i
378	Alfred U.	6,947	8,551	6,383	5,510	5,595	3,991	4,524	6,084
379	Stephen F. Austin State U.	4,108	4,830	8,225	7,316	7,867	8,345	9,127	6,046
380	U. Baltimore	ne	12,443	8,506	2,397	5,442	6,063	4,229	5,944
381	New School	5,642	5,889	6,950	7,795	2,703	3,843	5,178	5,868
382	West TX A&M U.	5,503	4,573	5,816	5,502	6,332	6,526	7,346	5,847
383	Sam Houston State U.	1,832 i	1,365	3,141	2,812	4,553	8,617	7,555	5,816
384	DePaul U.	3,854	4,817	4,581	3,545	3,324	3,830	4,889	5,798
385	U. GU	9,458	8,531 i	7,604	7,059	6,106	5,834	5,555	5,626
386	TX Christian U.	5,535	5,849	5,564	5,536	5,007	6,213	5,306	5,595
387	MO State U.	4,677	6,538	5,385	9,424	9,313	11,396	7,770	5,584
388	Clafflin U.	255	222	930	1,261 i	1,592	3,328	3,252	5,439
389	Carleton C.	2,111	2,504	2,538	2,718	2,917	3,865	4,575	5,382
390	Claremont McKenna C.	ne	ne	ne	678 i	669 i	741 i	5,725	5,316
391	Grand Valley State U.	5,019	3,776	3,792	4,938	6,301	3,925	5,044	5,305 i
392	Langston U.	3,578	4,371	4,416	4,405	4,025	4,114	4,492	5,206
393	Winthrop U.	ne	ne	ne	ne	ne	ne	ne	5,089
394	Kettering U.	661	1,758	3,473	2,209	3,689	4,454	6,880	5,087
395	Rutgers, State U. NJ, Camden	NA	NA	NA	NA	NA	NA	3,574	5,079

TABLE 13. Higher education R&D expenditures, ranked by FY 2011 R&D expenditures: FY 2004–11

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007	2008	2009	2010	2011
396	Drew U.	ne	ne	ne	ne	ne	ne	ne	5,077
397	Bucknell U.	1,872	1,869	3,255	2,404	2,934	4,538	5,456	5,043
398	Middle TN State U.	2,706	2,633	2,407	2,486	3,340	3,468	4,793	4,969
399	Palmer C. of Chiropractic, Davenport	ne	ne	ne	ne	3,340	3,415	4,693	4,861
400	Fisk U.	5,000	6,600	6,600	6,600	2,851	5,265	7,700	4,849
401	Lamar U.	3,388	3,375	3,277	4,243	4,928	5,376	5,829	4,762
402	Youngstown State U.	1,851	1,386	1,314	734	1,478	2,082	4,523	4,732
403	U. of the Pacific	3,190	4,896	6,209	6,068	8,551	6,879	6,120	4,704
404	Allen U.	ne	ne	ne	ne	ne	ne	ne	4,673 i
405	Macalester C.	3,132	2,857	3,145	3,178	3,250	3,403	4,389	4,653
406	Amherst C.	3,383	3,610	4,709	4,384	5,906	4,984	3,628	4,623
407	KY State U.	26,765	3,100	3,883	3,770	4,671	5,189	4,912	4,562
408	Smith C.	3,687	4,140	5,146	4,401	4,865	5,152	4,613	4,529
409	Williams C.	3,130	3,459	4,074	3,983	4,084	4,907	4,691	4,513
410	Milwaukee School of Engineering	3,146	2,628	2,933	3,740	4,156	4,245	3,944	4,472
411	U. DC	4,693	4,426	5,065	5,165	5,629	3,958	5,012	4,422
412	U. WI, La Crosse	3,428	3,509	3,062	3,650	3,370	3,349	4,141	4,373 i
413	U. Northern IA	2,939	2,862	1,549	4,150	3,237	2,453	3,064	4,248
414	CUNY, C. Staten Island	2,845	2,682	2,391	3,618	3,275	3,409	3,290	4,188
415	Hope C.	2,213	2,060	2,926	2,603	2,605	2,321	3,596	4,185
416	WV State U.	1,433	2,537	2,467	2,765	4,362	4,017	3,770	4,176
417	Southern CT State U.	3,751	4,528	2,295 i	3,118	3,448	4,096	3,840	4,083
418	U. Richmond	1,743	2,716	2,469	2,560	3,458	3,969	4,052	4,064
419	Barnard C.	1,520 e	3,159	2,742	2,772	2,824	2,972	3,353	4,046
420	Midwestern U., Downers Grove	2,816	3,204	2,786	2,358	2,697	3,457	3,626	4,022
421	U. New England	ne	ne	1,528	2,162	1,743	2,162	3,560	4,016
422	U. South FL, St. Petersburg	NA	NA	NA	NA	NA	NA	4,425	3,978
423	GA Southern U.	4,510	5,301	6,332	6,600	4,204	4,739	3,704	3,912
424	Eastern WA U.	1,847	2,208	2,778	2,570	2,622	2,236	3,266	3,910
425	Harvey Mudd C.	2,180	1,852	2,301	2,767	3,005	2,701	3,214	3,861
426	Ft. Valley State U.	2,596	2,497	2,570	2,610	3,311	3,262	5,310	3,850
427	Appalachian State U.	884	1,462	2,422	3,359	3,851	3,135	2,898	3,835
428	Central State U.	1,372 i	1,579	2,320	2,320	2,553	3,308	3,233	3,821
429	Eastern KY U.	482	1,314	4,307	6,580	5,370	2,324	3,531	3,782
430	CUNY, Lehman C.	3,409	4,109	4,810	5,256	3,739	3,423	3,593 i	3,762
431	SUNY, C. of Optometry	2,435	2,481	1,913	2,231	2,238	2,670	3,529	3,738
432	Pace U.	2,995	2,722	2,452	2,295	2,541	1,721	3,085	3,732
433	Plymouth State U.	ne	ne	ne	ne	1,507	1,173	1,262 i	3,729
434	Murray State U.	4,078	3,529	3,379	2,565	2,370	1,734	3,396	3,718
435	Pomona C.	2,571	2,430	3,181	3,806	4,244	3,234	2,924	3,640

TABLE 13. Higher education R&D expenditures, ranked by FY 2011 R&D expenditures: FY 2004–11

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007	2008	2009	2010	2011
436	Montclair State U.	1,128	1,511	1,693	1,341	1,405	1,733	2,255	3,621
437	Azusa Pacific U.	ne	ne	ne	ne	ne	ne	ne	3,620
438	Long Island U.	1,377	1,684	2,914	2,853 i	2,875	2,955 i	3,401 i	3,595 i
439	Towson U.	626	2,046	1,054	1,098	2,357	4,101	3,052	3,574
440	Chapman U.	965	839	2,068	2,064	1,519	2,225	3,830	3,547
441	U. of the Sciences Philadelphia	544	704	1,260	1,449	1,777	1,800	1,964	3,504
442	Albany C. of Pharmacy and Health Sciences	855	2,565	2,307	3,248	3,486	2,808	3,074	3,496
443	U. San Diego	895	1,922	1,033	1,348	1,484	2,383	2,934	3,483
444	PA State U., Harrisburg	NA	NA	NA	NA	NA	NA	2,734	3,460
445	Franklin and Marshall C.	1,444	2,423	1,843	2,168	2,333	2,895	3,770	3,439
446	St. Cloud State U.	3,372	6,267	5,872	6,461	7,262	8,218	4,184	3,404
447	Lawrence Technological U.	988	1,033	2,393	2,337	1,905	2,146	3,952	3,348
448	Nicholls State U.	1,225	2,118	1,758	1,233	1,172	1,864	2,590	3,321
449	Mt. Holyoke C.	3,274	3,563	2,784	3,570	3,522	2,972	2,788	3,317
450	Rowan U.	8,780	7,881	7,360	7,569	6,338	6,950	2,987	3,247
451	PA State U., Erie	NA	NA	NA	NA	NA	NA	3,265	3,183
452	Sul Ross State U.	1,058	2,375	2,676	3,056	2,549	2,698	3,039	3,183
453	CA State U., Bakersfield	5,626 i	15,190	15,743	1,908	1,898	2,225	2,083	3,162
454	U. NC, Asheville	2,007	3,612	3,333	5,456	4,177	2,994	2,671	3,157
455	National U.	ne	ne	ne	ne	ne	ne	ne	3,134
456	TX A&M International U.	ne	250	ne	ne	482	1,870	2,428	3,121
457	Calvin C.	2,753	2,887	2,752	2,917	4,267	4,160	5,010	3,113
458	Hamilton C.	2,581	2,677	2,849	2,860	1,943	2,453	3,192	3,109
459	St. Joseph's U.	3,730	6,394	7,379	6,801	5,217	2,782	2,918	3,073
460	Benedict C.	1,035	1,494	1,498	1,778	1,549	1,337	1,533	3,009
461	CA Maritime Academy	ne	ne	ne	ne	ne	ne	ne	3,005
462	Swarthmore C.	2,801	2,676	3,051	2,137	2,526	3,067	2,984	2,994
463	TX Woman's U.	2,233	1,927	2,079	2,132	2,322	2,351	2,271	2,919
464	Bowdoin C.	2,123	2,326	2,446	2,304	2,028	1,990	2,627	2,877
465	Central WA U.	11,926	10,383	7,013	9,803	9,574	6,967	5,159	2,858
466	U. WA, Bothell	NA	NA	NA	NA	NA	NA	630	2,857
467	St. Francis U.	ne	4,981	4,114	3,677	3,147	2,915	2,923	2,823
468	U. Central AR	3,559	3,950	7,002	7,036	1,638	1,515	2,670	2,821
469	OK State U. Ctr. for Health Sciences	NA	NA	NA	NA	NA	NA	4,398	2,815
470	U. LA, Monroe	6,965	5,524	5,636	5,795	18,061	6,130	2,884	2,812
471	CA State U., Dominguez Hills	17,246	9,321	3,256	13,831	13,122	2,836	2,743	2,780
472	Lewis and Clark C.	782	989	1,738	2,315	2,206	1,270 i	2,753	2,778
473	U. TX, Tyler	ne	502	914	1,444	3,426	3,297	5,679	2,766
474	Haverford C.	1,679	1,259	967	1,182	1,397	1,870	3,620	2,765
475	Tougaloo C.	680 i	571 i	461	2,616	3,460	2,983	2,978	2,753

TABLE 13. Higher education R&D expenditures, ranked by FY 2011 R&D expenditures: FY 2004–11

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007	2008	2009	2010	2011
476	U. West GA	1,477	1,817	1,492	1,622	1,912	1,522	1,749	2,711
477	Savannah State U.	2,094	2,421	2,342	2,301	1,902	1,651	1,874	2,700
478	CA State U., Chico	4,500	2,933	2,208 i	1,796 i	1,384	1,931	2,881	2,684
479	SUNY, C. Geneseo	999	1,193	1,181	1,833	2,394	2,293	1,373	2,677
480	U. San Francisco	1,535	1,245	1,317	1,714	1,736	1,804	2,124	2,668
481	MN State U., Mankato	929	567	1,174	1,309	1,832	3,180	3,837	2,654
482	CUNY, Baruch C.	1,623	2,691	2,853	2,484	3,449	2,546	2,616	2,645
483	Roger Williams U.	959	1,479	1,922	1,466	1,159	1,204	1,967	2,627
484	SUNY, Buffalo State C.	2,840	1,977	1,699	1,318	1,625	2,390	1,935	2,539
485	Northwest Indian C.	ne	ne	ne	ne	ne	2,538	2,426	2,483 i
486	Hofstra U.	695 i	712 i	3,011	2,950	3,065	3,888	2,552	2,472
487	Edward Via C. of Osteopathic Medicine	ne	ne	ne	ne	ne	ne	ne	2,453
488	Lafayette C.	2,190	1,718	1,799	1,551	2,002	1,898	2,089	2,426
489	U. Hartford	1,136	1,360	1,633	3,457	7,183	7,120	1,137	2,419
490	Middlebury C.	1,647 i	1,707 i	1,767 i	3,501	1,789	1,852	2,292	2,408
491	Santa Clara U.	ne	3,613 i	3,700 i	3,814 i	3,986	4,066	3,816	2,407
492	Philadelphia C. of Osteopathic Medicine	961	973	1,034	1,754	1,390	1,223	1,278	2,401
493	Northern KY U.	985	1,519	2,027	1,843	1,791	1,878	2,316	2,397
494	U. Metropolitana	ne	2,677 i	298	248	505	597	1,888	2,387
495	U. WI, Oshkosh	1,876	1,594	1,413	1,396	1,724	1,373	1,556	2,384
496	Louis V. Gerstner Jr. Graduate School of Biomedical Sciences at Memorial Sloan-Kettering Cancer Ctr.	ne	ne	ne	ne	ne	ne	ne	2,342
497	Keck Graduate Institute	ne	ne	ne	ne	ne	ne	ne	2,313
498	Colgate U.	1,927	1,308	2,060	2,406	2,953	2,819	2,851	2,291
499	Keene State C.	ne	ne	ne	ne	ne	ne	ne	2,290
500	Spelman C.	2,558	2,862	3,191	3,847	2,219	3,164	3,181	2,273
501	TX A&M U., Commerce	621	1,056	1,118	1,879	1,796	2,613	2,679	2,242
502	Mills C.	ne	ne	550 i	575 i	560 i	2,926	1,679	2,237
503	U. NE, Kearney	953	982	1,198	1,824	1,277	1,515	1,655	2,199
504	Shaw U.	3,293	3,759	3,735	3,632	4,049	3,837	3,016 i	2,193
505	Furman U.	1,556	1,477	1,433	1,042	1,367	1,885	2,311	2,184
506	Austin Peay State U.	ne	ne	ne	ne	ne	ne	ne	2,180
507	CUNY, York C.	1,747	1,552	1,625	2,640	2,302	ne	ne	2,180
508	Coastal Carolina U.	1,331	818	1,417	1,231	2,160	1,575	2,404	2,162
509	Grambling State U.	1,934	2,249	711	428	822	818 i	993	2,135
510	Bastyr U.	ne	ne	ne	ne	ne	1,485	1,572	2,121
511	Skidmore C.	785	1,138	772	726	782	1,411	2,850	2,113
512	Wabash C.	3,294	3,727	3,688	3,963	4,484	4,279	3,200	2,098
513	Wiley C.	322	211	ne	ne	286	375	575	2,098

TABLE 13. Higher education R&D expenditures, ranked by FY 2011 R&D expenditures: FY 2004–11

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007	2008	2009	2010	2011
553	New England C. of Optometry	2,297	1,870	1,711	1,356	1,604	1,596	1,457	1,751
554	Northwestern Health Sciences U.	ne	ne	820	1,289	1,361	1,762	1,779	1,747
555	U. Houston, Clear Lake	1,226	1,383	1,234	1,249	1,023	1,244	1,279	1,746
556	Indiana U. PA	2,368	1,201	485	626	1,306	1,726	1,376	1,736
557	Siena C.	ne	ne	630 i	585 i	589	1,140	1,061	1,714
558	Oberlin C.	381	1,059	810	773	726	869	1,985	1,710
559	Pittsburg State U.	2,116	2,547	2,823	2,577	2,083	2,163	1,759	1,687
560	Rider U.	1,276	1,096	1,287	1,330	1,410	1,550	1,671	1,672
561	Christopher Newport U.	2,091	1,941	789	709	845	1,045	1,110	1,669
562	Niagara U.	ne	ne	ne	ne	ne	731	1,090	1,656
563	CA State U., East Bay	2,160	3,292	2,908	3,661	2,982	2,987	1,312	1,644
564	Black Hills State U.	1,767	4,156	3,075	3,132	2,922	2,549	2,883	1,643
565	Seattle Pacific U.	ne	ne	ne	150 i	ne	949	684	1,633
566	Suffolk U.	ne	ne	ne	ne	ne	ne	ne	1,624
567	Daemen C.	ne	ne	ne	2,317	1,915	1,876	1,613	1,615 i
568	Union C., Schenectady	4,068	2,571	1,992	2,086	2,557	1,865	1,984	1,615
569	Norwich U.	ne	ne	ne	ne	ne	ne	ne	1,583
570	Augustana C., Sioux Falls	288	644	892	807	843	811	912	1,578
571	Hobart and William Smith Colleges	ne	ne	ne	792	1,475	1,593	1,434	1,566
572	McNeese State U.	834	681	441	462	1,158	1,215	1,077	1,561
573	Philadelphia U.	ne	227 i	858	848	645	700	1,200	1,561
574	U. Central OK	157	216	841	406	865	935	1,786	1,548
575	Hampshire C.	3,188	2,723	1,145	1,119	1,015	994	569	1,530
576	Western IL U.	10,054	8,690	7,554	7,085	4,597	3,642	1,221	1,528
577	Elon U.	ne	ne	ne	ne	ne	ne	ne	1,523
578	NM Highlands U.	6,187	5,313	5,144	2,992	3,945	4,696	1,529	1,498
579	Kean U.	ne	ne	ne	ne	ne	ne	ne	1,497
580	Salus U.	1,509	1,149	1,642	1,587	1,851	1,380	1,359	1,493
581	CA State U., Stanislaus	ne	ne	ne	ne	ne	ne	ne	1,487
582	U. PR, Cayey	ne	ne	ne	861	1,224	1,735	927	1,474
583	U. Detroit Mercy	568 e	507 i	588	480 i	ne	1,498	1,148	1,462
584	La Salle U.	488	ne	843	3,208	3,824	2,851	1,298	1,460
585	Richard Stockton C. NJ	ne	ne	ne	ne	ne	ne	ne	1,455
586	William Paterson U.	ne	ne	ne	385 i	789	1,017	1,051	1,452
587	Central CT State U.	419	921	687	663	479	305	776	1,451
588	Stetson U.	ne	ne	ne	ne	ne	ne	ne	1,451
589	Western Carolina U.	9,145	1,543	3,253	3,173	3,996	3,094	2,376	1,451
590	Columbia C., Chicago	ne	ne	ne	ne	ne	ne	ne	1,441
591	HI Pacific U.	ne	ne	ne	ne	ne	ne	ne	1,436
592	Purdue U., North Central	NA	NA	NA	NA	NA	NA	1,349	1,436

TABLE 13. Higher education R&D expenditures, ranked by FY 2011 R&D expenditures: FY 2004–11

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007	2008	2009	2010	2011
593	U. Redlands	2,086	2,591	1,178	1,341	1,519	1,726	1,317	1,432
594	Albany State U.	2,619	2,091	1,455	1,331	2,441	1,206	740	1,416
595	U. WI, Eau Claire	1,139	1,245	1,304	1,409	1,167	1,705	1,950	1,406
596	Valparaiso U.	551	488	699	763	866	780	791	1,390
597	U. of Mary Washington	ne	ne	ne	ne	ne	ne	ne	1,374
598	U. WA, Tacoma	NA	NA	NA	NA	NA	NA	872	1,359
599	U. del Este	ne	ne	432	407	416	709	1,372	1,358
600	Trinity U.	1,428	1,418	1,232	1,273	1,546	1,308	1,446	1,355
601	U. Houston, Downtown	669	453	509	175	298	528	1,013	1,351
602	Barry U.	ne	ne	ne	ne	697	875	897	1,350
603	Grinnell C.	1,638	1,131	912	1,181	1,185	746	2,069	1,340
604	Lincoln U. of the Commonwealth of PA	526	526	606	450	948	683	1,425	1,336
605	Southern OR U.	836	3,301	3,083	3,792	906	584	826	1,330
606	U. St. Thomas (MN)	531	516	452	789	1,207	1,100	1,330	1,316
607	Weber State U.	ne	ne	ne	ne	ne	777	983	1,314
608	U. WI, Green Bay	1,787	1,615	1,604	1,227	1,111	1,047	1,219	1,288 i
609	Seattle U.	1,189	764	930 i	1,096 i	1,935	1,400	1,337 i	1,274
610	U. AK, Southeast	968	639	808	1,406	2,444	1,861	1,759	1,274
611	Rose-Hulman Institute of Technology	8,531	6,656	6,826	4,891	3,824	3,405	1,482	1,268
612	SUNY, C. Old Westbury	1,326	1,612	1,838	1,700	1,768	1,108	1,206 i	1,267 i
613	U. Portland	894	860	1,299	1,396	1,307	1,507	1,205	1,257
614	Saginaw Valley State U.	505	577	706	904	623	823	873	1,249
615	SUNY, C. Brockport	755	659	839	1,025	706	651	831	1,248
616	U. TN, Martin	2,021	2,077	1,098	1,164	1,085	1,092	1,164	1,232
617	U. TX, Permian Basin	ne	ne	ne	1,646	3,043	1,442	1,417	1,232
618	C. Wooster	281	570	966	1,047	707	938	988	1,225
619	Erikson Institute	ne	ne	ne	ne	ne	ne	ne	1,212
620	Mercyhurst C.	ne	ne	1,699	1,559	1,840	1,975	2,040	1,206
621	Angelo State U.	ne	ne	677	744	906	1,223	1,088	1,201
622	CO C.	917 i	516 i	ne	ne	2,144	587	671	1,198
623	Northwestern State U. LA	438 i	449 i	460	371	1,547	1,390	1,464	1,189
624	Wheaton C., Wheaton	ne	ne	ne	ne	ne	ne	ne	1,187
625	Augsburg C.	888	853	1,103	1,208	792	ne	ne	1,179
626	Winston-Salem State U.	6,889 e	1,659 i	1,245 i	831 i	417 i	ne	ne	1,179
627	Salish Kootenai C.	ne	ne	ne	ne	446	626	880	1,153
628	U. HI, West O'ahu	ne	ne	ne	ne	ne	ne	ne	1,152 i
629	SUNY, Farmingdale State C.	ne	ne	ne	ne	ne	ne	253	1,144
630	Whitman C.	839	595	421	311	1,170	494	1,415	1,142

TABLE 13. Higher education R&D expenditures, ranked by FY 2011 R&D expenditures: FY 2004–11

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007	2008	2009	2010	2011
631	Haskell Indian Nations U.	ne	ne	ne	ne	687	2,083	978	1,135
632	St. Olaf C.	516	643	859	1,060	1,321	1,067	1,574	1,130
633	Pacific U.	622 i	1,663	763	793	818	1,267	1,849	1,129
634	Alliant International U.	ne	ne	ne	ne	ne	ne	ne	1,111
635	Western New England C.	ne	ne	ne	ne	ne	ne	ne	1,111
636	Governors State U.	214 i	475	992	1,377	1,373	1,402	1,220	1,099
637	IN U., South Bend	NA	NA	NA	NA	NA	NA	1,070	1,099
638	SUNY, C. Plattsburgh	4,950	5,754	5,666	2,877	495	1,470	1,664	1,098
639	Shippensburg U. PA	ne	ne	ne	ne	ne	ne	ne	1,049
640	New C. FL	380	314	ne	ne	ne	ne	660	1,046
641	Evergreen State C.	354	647	548	739	636	672	902	1,025
642	Ithaca C.	2,196	1,847	1,689	1,503	1,504	1,120	1,077	1,025
643	Doane C.	ne	ne	ne	ne	ne	ne	ne	1,022
644	Scripps C.	ne	ne	ne	ne	ne	ne	ne	1,018
645	Sewanee: U. of the South	ne	349	252	229	ne	ne	ne	1,017
646	Franklin W. Olin C. of Engineering	ne	ne	ne	ne	ne	ne	ne	1,016
647	Dakota State U.	ne	ne	ne	ne	ne	ne	ne	1,015
648	IL Wesleyan U.	ne	376	522	1,043	1,713	890	707	1,014
649	U. NC, Pembroke	ne	ne	258	329	239	187	408	998
650	MN State U., Moorhead	ne	ne	ne	ne	ne	ne	ne	982
651	SUNY, C. Oswego	2,055	1,010	1,034	1,093	1,026	1,020	783	977
652	Hendrix C.	642	624	685	375	679	648	656	970
653	SUNY, C. Cortland	709	991	937	480	355	342	527	968
654	Drake U.	2,055	2,145	2,112	1,969	1,652	1,021	1,033	966
655	Dine C.	ne	ne	ne	ne	ne	ne	ne	959 i
656	C. of the Holy Cross	692	511	1,281	1,046	988	1,513	1,275	957
657	Dominican U. CA	ne	ne	ne	ne	ne	ne	ne	948
658	Agnes Scott C.	ne	ne	ne	ne	ne	840	1,884	938
659	SUNY, C. of Agriculture and Technology, Cobleskill	ne	ne	ne	ne	ne	ne	1,414	938
660	Washington and Jefferson C.	ne	ne	ne	ne	1,517	1,741	1,327	932
661	Des Moines U.	676	787 i	899	796	1,002	867	855	924
662	Southern Polytechnic State U.	ne	ne	ne	321	572	599	435	924
663	U. South FL, Sarasota-Manatee	NA	NA	NA	NA	NA	NA	732	914
664	Heidelberg U.	ne	ne	ne	ne	ne	ne	ne	913 i
665	U. MN, Morris	NA	NA	NA	NA	NA	NA	672	899
666	St. John's U., Collegeville	ne	ne	ne	ne	1,057	616	640	891
667	U. SC, Beaufort	NA	NA	NA	NA	NA	NA	462	882
668	PA State U., Beaver	NA	NA	NA	NA	NA	NA	848	875
669	C. of St. Benedict	ne	ne	ne	ne	ne	ne	ne	867
670	U. Western States	ne	ne	ne	ne	907	810	996	858

TABLE 13. Higher education R&D expenditures, ranked by FY 2011 R&D expenditures: FY 2004–11

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007	2008	2009	2010	2011
671	Andrews U.	864	1,007	1,279	1,448	1,283	855	1,195	854
672	Fuller Theological Seminary	952 i	1,174	729	885	442	598	384	842
673	Northern MI U.	424 i	448 i	472 i	500	984	871	910	841
674	Roseman U. of Health Sciences	ne	ne	ne	ne	ne	ne	ne	840
675	MS Valley State U.	493	606	794	844	951	1,063	1,029	830
676	Sinte Gleska U.	ne	1,042	1,552	1,314	1,418	2,758	630	826
677	Sonoma State U.	260	666	719	423	652	587	858	825
678	U. South FL, Polytechnic	NA	NA	NA	NA	NA	NA	642	824
679	SUNY, Institute of Technology, Utica/Rome	ne	ne	ne	ne	ne	ne	713	811
680	Mesa State C.	ne	ne	ne	ne	1,012	1,145	1,799	802
681	Albion C.	ne	ne	ne	ne	ne	ne	ne	799
682	LeTourneau U.	ne	ne	ne	410	449	491	773	796
683	National C. of Natural Medicine	ne	ne	ne	ne	ne	ne	ne	791
684	Southern CA C. of Optometry	ne	ne	ne	ne	ne	ne	ne	789
685	Rhodes C.	282 i	345	478	517	537	694	804	788
686	Loyola U., MD	1,303	2,047	1,551 i	3,069	1,122	520	648	787
687	Radford U.	210	ne	663	ne	362	521	680	784
688	U. WI, Whitewater	538	636	631	552	654	753	718	782 i
689	Loyola U., New Orleans	540 i	631	477	568	947	746	595	779
690	PA State U., Altoona	NA	NA	NA	NA	NA	NA	671	773
691	U. MI, Flint	NA	NA	NA	NA	NA	NA	693	767
692	Wilberforce U.	411 i	742 i	1,073 i	1,405	879	600	760	763 i
693	Providence C.	286	782	733	795	797	852	917	758
694	Lake Superior State U.	ne	ne	ne	ne	ne	ne	ne	752
695	U. SC, Aiken	NA	NA	NA	NA	NA	NA	337	750
696	Auburn U., Montgomery	NA	NA	NA	NA	NA	NA	351	749
697	Toyota Technological Institute Chicago	ne	ne	ne	ne	ne	ne	ne	746
698	John Carroll U.	2,297	3,980	4,042	4,067	2,231	1,724	1,154	743
699	CA Lutheran U.	ne	ne	ne	ne	ne	ne	ne	741
700	Alverno C.	ne	ne	ne	ne	ne	ne	ne	740
701	St. Michael's C.	ne	ne	ne	ne	ne	673	644	734
702	La Sierra U.	ne	ne	ne	ne	ne	ne	ne	732
703	OH Wesleyan U.	371 i	459	396	376	239	290	335	719
704	Eastern IL U.	504 i	630 i	756 i	8,706	8,816	9,405	751	716
705	U. WI, Platteville	391 i	447	605	540	511	685	681	715 i
706	Truman State U.	588	524	1,031	593	760	701	882	710
707	Sojourner-Douglass C.	ne	ne	ne	ne	ne	ne	ne	709
708	Armstrong Atlantic State U.	ne	ne	ne	ne	ne	671	2,681	708
709	Allegheny C.	1,044	777	655	822	759	633	505	707
710	Southern U. and A&M C., New Orleans	556	592	592	154	197	505	402	706

TABLE 13. Higher education R&D expenditures, ranked by FY 2011 R&D expenditures: FY 2004–11

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007	2008	2009	2010	2011
711	Babson C.	ne	ne	ne	ne	ne	ne	ne	696
712	Frostburg State U.	ne	ne	ne	ne	ne	215	521	686
713	Gettysburg C.	ne	776	524	516	595	675	814	669
714	Capitol C.	ne	ne	ne	ne	ne	ne	ne	667
715	U. of the Incarnate Word	ne	ne	ne	ne	ne	ne	ne	667
716	Millersville U. PA	636 i	671 i	706 i	884	ne	552	523	665
717	Muhlenberg C.	ne	230	437	526	512	550	488	661
718	Augustana C., Rock Island	627	391	371	212 i	ne	455	465	659
719	MT State U., Billings	ne	694 i	1,214	1,136	1,402	695	598	656
720	Northeastern State U.	1,035 i	1,929	1,861	729	627	791	707	644
721	Manhattan C.	381 i	1,177	1,121	441 i	378	361	498	638
722	Mt. St. Mary's C.	492	570	581	515	307	548	647	626
723	Jacksonville State U.	ne	1,110	1,476	705	ne	225	398	624
724	Simmons C.	1,486	1,230	1,270	958	686	696	440	621
725	Susquehanna U.	ne	ne	ne	ne	ne	ne	ne	613
726	Butler U.	ne	ne	ne	ne	ne	ne	ne	610
727	MGH Institute of Health Professions	ne	ne	ne	ne	ne	ne	ne	607
728	Ft. Lewis C.	227	519	770	243	258 i	273	392	606
729	Ursinus C.	ne	ne	757	626	796	565	540	594
730	Sitting Bull C.	ne	ne	ne	ne	ne	ne	ne	593
731	U. MN, Rochester	NA	NA	NA	NA	NA	NA	248	591
732	Minot State U.	ne	ne	ne	ne	ne	614	795	590
733	U. North AL	ne	ne	ne	ne	ne	ne	ne	578 i
734	Claremont School of Theology	ne	ne	ne	ne	ne	ne	ne	574
735	Lake Forest C.	800	395	451	549	453	478	533	573
736	Palo Alto U.	ne	ne	ne	ne	ne	ne	ne	573
737	SUNY, Purchase C.	330	ne	ne	ne	ne	ne	ne	569
738	St. Mary's U., San Antonio	512	405	183	623	785	319	495	564
739	Wilkes U.	300	ne	231	300	254	202	420	563
740	RI School of Design	ne	ne	ne	ne	ne	ne	ne	551
741	U. CA, Hastings C. of Law	ne	ne	ne	ne	ne	ne	ne	539 i
742	Southwestern OK State U.	ne	ne	ne	266	ne	254	428	538
743	Northeastern IL U.	2,959	5,263	5,509	5,777	6,006	4,607	711	533
744	Benedictine U.	ne	ne	ne	ne	228	209	186	530
745	U. Puget Sound	584	441	513	590	434	325	461	530
746	WV School of Osteopathic Medicine	245	270	266	349	520	510	594	528
747	Ashland U.	ne	ne	ne	ne	ne	ne	ne	526 i
748	Emporia State U.	ne	ne	ne	ne	ne	ne	ne	525
749	CA State U., Channel Islands	ne	ne	ne	ne	ne	ne	ne	524
750	Bridgewater State C.	269	329	561	657	851	614	587	521

TABLE 13. Higher education R&D expenditures, ranked by FY 2011 R&D expenditures: FY 2004–11

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007	2008	2009	2010	2011
751	Philander Smith C.	ne	ne	ne	ne	ne	ne	ne	519
752	AK Pacific U.	ne	ne	ne	ne	309	414	434	518
753	Valdosta State U.	ne	ne	ne	ne	ne	ne	ne	512
754	Kalamazoo C.	519	484	604	341	327	476	755	492
755	U.S. Coast Guard Academy	866	660	553	1,027	803	497	680	490
756	Edinboro U. PA	ne	ne	ne	ne	ne	ne	ne	489
757	Abilene Christian U.	238	273	281	347	337	417	662	487
758	C. NJ	1,940 i	1,567 i	2,509	832	786	1,785	850	486
759	Elizabethtown C.	ne	ne	ne	ne	ne	302	514	485
760	National U. of Health Sciences	401	165	597	797	795	693	950	485
761	St. Catherine U.	ne	ne	ne	ne	ne	ne	ne	484
762	Northwest Nazarene U.	ne	ne	ne	ne	ne	ne	ne	481
763	Centre C.	ne	ne	ne	ne	ne	ne	ne	478
764	C. of Menominee Nation	ne	ne	ne	ne	ne	ne	ne	477 i
765	Southwestern U.	ne	ne	ne	ne	ne	ne	ne	477
766	Pacific Lutheran U.	413 i	456 i	499 i	567	474	1,060	425	471
767	Earlham C.	ne	ne	ne	ne	ne	ne	ne	468
768	Marine Corps U.	ne	ne	ne	ne	ne	ne	ne	468
769	Juniata C.	898	721	289	346	384	516	511	467
770	MD Institute C. of Art	ne	ne	ne	ne	ne	ne	ne	465
771	U. WI, River Falls	349	353	438	297	345	496	441	463 i
772	Southeastern OK State U.	435	485	487	360	316	159	192	462
773	OH Northern U.	ne	ne	ne	ne	ne	169	308	458
774	U. WI, Parkside	826	749	601	451	500	501	541	457
775	Art Ctr. C. of Design	ne	ne	ne	ne	ne	ne	ne	456
776	IN U., New Albany	NA	NA	NA	NA	NA	NA	408	456
777	Washington and Lee U.	482 i	565	447	330	305	857	939	455
778	Mayville State U.	ne	185	243	224	224	224	275	454
779	Roanoke C.	1,159	1,169	1,454	1,189	1,201	1,282	867 i	451
780	Paine C.	ne	ne	ne	ne	ne	ne	ne	448
781	SUNY, C. Potsdam	ne	ne	ne	ne	ne	325	511	447
782	Ramapo C. NJ	ne	ne	ne	ne	ne	ne	ne	445
783	Gannon U.	ne	ne	ne	ne	ne	ne	ne	444
784	U. SC, Spartanburg	NA	NA	NA	NA	NA	NA	261	439
785	Adelphi U.	ne	ne	151 i	1,185	1,992	1,509	360	438
786	DePauw U.	383 i	404 i	426 i	426 i	445	595	503	438
787	Kenyon C.	ne	ne	ne	ne	558	338	428	433
788	Olivet U.	ne	ne	ne	ne	ne	ne	ne	427
789	St. Mary's C. MD	491	459	417	419	275	338	342	427
790	Winona State U.	ne	ne	ne	1,773	1,520	772	375	426

TABLE 13. Higher education R&D expenditures, ranked by FY 2011 R&D expenditures: FY 2004–11

(Dollars in thousands)

Rank	Institution	2004	2005	2006	2007	2008	2009	2010	2011
911	U. MN, Crookston	NA	NA	NA	NA	NA	NA	ne	153
912	PA State U., Berks	NA	NA	NA	NA	NA	NA	155	151
	All other surveyed institutions ^b	4,959,130	5,010,767	5,293,897	5,436,786	5,752,272	6,191,647	2,646	0

e = estimated; data were not provided by institution; 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 a separate entity. 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 \$1,160,966 thousand in total R&D expenditures in FY 2011.

^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.

NOTES: From FY 2004 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. 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.