

TABLE 20. Higher education R&amp;D expenditures, ranked by FY 2012 R&amp;D expenditures: FYs 2005–12

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
	All institutions	47,535,201	49,645,341	51,590,017	54,113,750	57,288,415	61,257,398	65,274,235	65,774,524
1	Johns Hopkins U. <sup>a</sup>	1,458,426	1,512,066	1,566,392	1,691,469	1,866,243	2,004,482	2,145,308	2,106,185
2	U. MI, Ann Arbor	NA	NA	NA	NA	NA	1,184,445	1,279,123	1,322,711
3	U. WI, Madison	875,722	904,787	912,219	944,626	1,013,649	1,029,295	1,111,642	1,169,779
4	U. WA, Seattle	NA	NA	NA	NA	NA	1,022,740	1,148,533	1,109,008
5	U. CA, San Diego	721,035	757,157	801,823	844,877	883,653	943,219	1,009,378	1,073,864
6	U. CA, San Francisco	754,444	796,149	842,840	885,182	947,697	935,509	995,226	1,032,673
7	Duke U.	632,358	658,783	783,784	769,893	807,652	983,289	1,022,207	1,009,911
8	U. CA, Los Angeles	785,625	841,352	854,497	904,840	923,916	936,995	982,357	1,003,375
9	Stanford U.	728,044	692,263	702,497	698,883	717,022	839,839	907,971	903,238
10	Columbia U. in the City of New York	535,424	529,946	545,996	548,704	604,660	807,235	878,900	889,487
11	U. NC, Chapel Hill	447,984	448,509	484,160	530,515	651,308	755,284	869,174	884,791
12	U. Pittsburgh, Pittsburgh	526,458	535,186	564,994	599,800	629,088	822,491	899,386	866,638
13	U. PA	677,386	696,443	668,105	740,410	758,159	836,322	886,036	847,077
14	U. MN, Twin Cities	NA	NA	NA	NA	NA	786,074	847,419	826,173
15	MA Institute of Technology	597,007	623,343	637,621	682,058	759,649	677,138	723,610	824,130
16	Cornell U.	608,811	650,592	645,791	655,641	672,692	749,721	781,651	802,387
17	Harvard U.	498,219	506,987	493,920	505,832	525,452	583,361	649,774	799,432
18	PA State U., University Park and Hershey Medical Ctr.	NA	NA	NA	NA	NA	770,449	794,846	797,679
19	OH State U.	643,283	663,012	737,324	726,302	743,591	755,194	832,126	766,513
20	U. CA, Berkeley	554,551	563,837	570,252	620,374	682,568	694,049	707,945	730,348
21	U. CA, Davis	546,978	576,096	604,512	647,691	687,690	679,915	707,896	713,292
22	Washington U., St. Louis	535,642	551,333	575,846	566,378	630,141	695,974	725,039	706,410
23	U. FL	564,221	599,749	635,956	632,680	644,241	681,548	739,931	696,985
24	TX A&M U., College Station	494,262	508,787	565,631	604,526	651,923	689,624	705,720	693,421
25	GA Institute of Technology	427,067	444,959	476,138	524,888	565,487	615,833	655,375	688,905
26	U. TX, M. D. Anderson Cancer Ctr.	383,780	457,696	496,539	558,503	578,788	599,529	663,279	685,814
27	Yale U.	432,806	462,080	451,318	490,913	512,997	623,510	656,967	656,555
28	Northwestern U.	413,526	449,782	473,060	518,572	555,510	575,078	618,980	631,078
29	U. AZ	531,898	538,086	533,450	547,197	566,334	586,647	610,565	625,365
30	U. Southern CA	470,104	475,696	528,466	540,366	556,807	592,791	603,294	623,544
31	U. TX, Austin	453,113	476,958	502,786	553,051	566,166	589,502	632,171	621,538
32	Purdue U., West Lafayette	NA	NA	NA	NA	NA	548,980	578,231	602,501
33	U. IL, Urbana-Champaign	524,680	494,748	492,347	518,333	581,805	515,133	545,669	583,754
34	Vanderbilt U.	357,141	389,026	415,750	444,873	455,835	504,959	566,031	560,466
35	Emory U.	337,154	349,867	412,503	463,317	459,067	529,453	547,316	552,707
36	MI State U.	361,807	388,845	395,611	392,242	405,961	431,373	454,248	507,061
37	U. MD, College Park	362,461	368,989	371,696	405,569	417,365	451,415	495,382	502,406
38	Baylor C. of Medicine	458,694	462,375	438,280	449,301	449,031	447,874	466,061	474,700

TABLE 20. Higher education R&amp;D expenditures, ranked by FY 2012 R&amp;D expenditures: FYs 2005–12

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
39	NY U.	310,014	304,022	319,728	337,093	338,839	365,944	430,752	458,645
40	VA Polytechnic Institute and State U.	292,519	325,318	370,805	375,773	399,433	398,169	450,058	454,417
41	U. AL, Birmingham	319,840	332,841	352,777	405,731	435,460	489,845	503,698	453,779
42	U. IA	343,043	356,169	374,905	300,422	334,937	444,034	443,893	446,429
43	U. South FL, Tampa	NA	NA	NA	NA	NA	385,029	394,963	443,206
44	U. TX, Southwestern Medical Ctr., Dallas	320,800	333,237	341,090	390,349	402,087	419,220	431,883	435,085
45	Rutgers, State U. NJ, New Brunswick	NA	NA	NA	NA	NA	428,432	432,306	434,901
46	U. Cincinnati	296,113	304,815	344,526	359,011	369,906	411,269	448,936	433,668
47	U. MD, Baltimore	304,396	405,260	358,851	379,407	359,542	374,036	409,665	433,228
48	U. CO, Denver and Anschutz Medical Campus	253,444	260,292	264,739	269,805	364,659	389,461	417,587	431,977
49	Case Western Reserve U.	324,502	374,714	379,347	420,441	418,012	418,164	429,206	431,090
50	U. UT	246,132	249,719	248,864	254,632	334,002	379,200	414,316	430,056
51	U. Chicago	296,817	308,557	325,161	360,047	381,194	437,721	453,562	419,631
52	NC State U.	302,596	330,936	333,027	367,422	383,193	360,795	378,154	404,225
53	Icahn School of Medicine at Mt. Sinai	225,293	273,216	269,451	296,380	318,407	370,666	405,527	400,680
54	Scripps Research Institute	330,170	367,375	360,511	366,047	382,275	387,298	400,768	398,673
55	U. CO, Boulder	265,447	254,805	267,314	272,191	299,892	349,449	390,677	392,004
56	U. Rochester	348,278	369,487	377,016	378,368	398,187	414,655	429,034	389,612
57	U. IL, Chicago	322,468	337,180	344,815	339,704	347,118	362,939	380,828	388,625
58	AZ State U.	177,426	211,396	238,054	273,532	311,461	329,345	355,215	385,959
59	U. VA, Charlottesville	NA	NA	NA	NA	NA	276,308	398,096	383,359
60	CO State U., Ft. Collins	244,303	267,453	296,020	302,613	311,720	302,896	330,784	375,919
61	U. Miami	211,201	215,491	212,532	244,067	250,339	280,671	323,486	365,301
62	CA Institute of Technology	265,364	270,354	287,343	274,671	345,400	362,172	377,514	365,243
63	Brown U.	162,919	195,710	175,623	182,596	187,380	335,838	344,090	365,120
64	U. KY	319,900	337,646	348,835	345,355	360,254	359,944	372,932	360,776
65	SUNY, U. Buffalo	275,334	304,757	323,417	339,575	349,423	349,670	353,172	360,226
66	U. GA	337,467	342,763	351,935	369,546	369,997	295,339	335,901	351,395
67	U. CA, Irvine	276,763	306,257	316,178	334,279	336,345	327,594	344,678	350,030
68	WA State U.	185,282	203,542	213,262	283,086	301,080	304,352	320,510	335,930
69	Boston U.	251,198	261,632	253,899	259,045	284,507	352,817	355,916	332,951
70	IN U.-Purdue U., Indianapolis	NA	NA	NA	NA	NA	296,194	322,617	316,914
71	U. HI, Manoa	230,651	250,694	266,447	271,835	290,707	303,085	318,316	312,311
72	OR Health and Science U.	266,687	272,174	287,430	301,396	309,675	314,990	334,324	305,530
73	Rockefeller U.	198,719	215,417	233,917	247,505	252,478	265,750	272,491	292,896
74	Yeshiva U.	193,104	189,416	192,199	197,311	193,010	314,240	281,334	289,027
75	U. KS	208,285	214,768	219,535	227,433	236,544	267,961	274,727	286,262
76	LA State U., Baton Rouge	238,813	256,248	266,895	280,081	294,780	289,872	287,841	285,395
77	Princeton U.	212,723	195,148	198,945	204,489	212,510	242,570	263,335	275,666

TABLE 20. Higher education R&amp;D expenditures, ranked by FY 2012 R&amp;D expenditures: FYs 2005–12

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
78	SUNY, U. Albany, C. Nanoscale S&E	NA	NA	NA	NA	NA	NA	248,778	265,473
79	IA State U.	215,848	227,585	221,002	228,167	228,526	250,120	267,641	260,995
80	U. CT	223,192	225,274	233,774	233,246	232,944	237,908	253,792	256,854
81	U. MA, Medical School	176,349	156,452	157,469	178,614	204,033	232,039	262,714	256,090
82	Carnegie Mellon U.	202,244	213,338	198,139	210,988	217,687	222,790	242,882	255,933
83	U. NE, Lincoln	214,053	228,976	229,496	244,869	251,195	191,268	235,296	253,320
84	Wayne State U.	231,000	225,034	238,738	253,604	257,207	254,492	259,895	245,888
85	Dartmouth C.	179,107	200,329	192,846	188,122	190,425	194,141	210,631	245,386
86	U. OK	182,436	186,349	187,454	204,765	213,720	218,089	249,297	240,974
87	OR State U.	217,998	227,693	231,895	233,358	257,564	216,595	228,814	240,507
88	U. MO, Columbia	234,334	231,170	244,429	251,894	253,527	238,500	230,957	239,810
89	Medical U. SC	178,086	176,055	184,624	189,369	216,778	224,632	213,346	236,586
90	U. TX, Health Science Ctr., Houston	152,631	175,154	191,724	197,252	217,623	240,772	261,172	236,250
91	U. CA, Santa Barbara	165,014	179,857	200,504	214,441	227,221	225,730	230,435	233,883
92	MS State U.	184,612	196,119	211,271	219,017	225,426	231,675	226,070	233,197
93	FL State U.	207,968	209,857	211,310	211,557	237,794	227,329	230,411	225,378
94	U. NM	182,871	186,047	181,734	202,694	205,831	211,771	220,565	220,360
95	SUNY, Stony Brook U.	212,698	236,095	268,541	190,712	189,299	204,728	211,356	219,744
96	U. SC, Columbia	NA	NA	NA	NA	NA	229,145	201,592	214,901
97	Medical C. WI	143,540	147,140	158,171	165,529	176,237	191,816	215,358	209,040
98	U. of Medicine and Dentistry of NJ	239,778	245,771	236,834	230,347	223,796	230,235	234,354	206,504
99	Woods Hole Oceanographic Institution	117,517	121,888	137,410	150,720	157,289	181,746	198,775	204,352
100	Wake Forest U.	185,668	183,843	186,175	200,750	201,701	192,034	209,134	204,328
101	VA Commonwealth U.	161,801	167,748	151,197	171,637	162,283	197,709	207,756	201,366
102	U. Louisville	139,942	148,246	163,434	164,123	167,178	189,090	197,438	196,842
103	George Washington U.	130,405	135,931	149,413	181,688	103,793	196,917	197,621	196,448
104	U. MA, Amherst	134,097	140,184	146,323	156,817	160,666	169,141	181,297	194,775
105	IN U., Bloomington	NA	NA	NA	NA	NA	177,520	184,096	184,486
106	U. TX, Health Science Ctr., San Antonio	142,375	150,040	160,282	201,323	221,535	207,115	198,655	184,298
107	U. TX, Medical Branch	174,254	179,915	183,492	180,026	184,845	188,399	193,555	180,888
108	Georgetown U.	127,288	122,135	140,710	144,957	151,064	159,355	169,916	180,308
109	U. TN, Knoxville	NA	NA	NA	NA	NA	150,671	167,456	179,252
110	KS State U.	126,826	126,960	126,864	141,535	151,376	160,679	169,167	176,141
111	U. DE	112,591	116,982	120,431	126,971	126,788	153,311	169,746	170,174
112	OK State U., Stillwater	NA	NA	NA	NA	NA	147,094	162,786	166,523
113	U. NH	115,976	121,952	120,463	121,092	117,546	115,562	143,002	165,156
114	Tulane U.	143,899	118,828	140,321	165,678	163,572	165,513	171,703	164,373
115	WV U.	117,274	124,046	138,800	145,107	145,656	154,926	166,420	163,503
116	Tufts U.	136,602	133,628	135,868	145,169	154,575	156,106	156,395	160,922

TABLE 20. Higher education R&amp;D expenditures, ranked by FY 2012 R&amp;D expenditures: FYs 2005–12

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
117	U. AK, Fairbanks	140,594	154,441	155,147	149,313	157,600	161,986	165,530	160,407
118	U. Notre Dame	75,566	82,137	82,272	103,311	104,866	110,369	134,410	157,691
119	UT State U.	134,223	142,935	142,784	148,257	145,240	149,169	174,167	157,355
120	U. CA, Santa Cruz	105,617	134,458	147,396	162,100	170,461	143,919	155,617	155,516
121	Uniformed Services U. of the Health Sciences	78,694	67,716	71,307	106,179	192,268	134,126	175,365	151,392
122	Clemson U.	180,262	184,940	216,959	200,789	193,924	174,693	166,350	142,096
123	U. NE, Medical Ctr.	123,263	108,012	111,751	112,887	123,629	138,219	133,036	141,619
124	NM State U.	126,450	168,502	152,104	141,523	154,363	157,872	139,062	141,151
125	TX Tech U.	57,998	59,929	59,439	60,165	92,058	133,360	149,399	138,026
126	SUNY, U. Albany	264,581	277,841	309,438	271,187	341,624	359,364	148,625	137,758
127	U. CA, Riverside	122,221	135,603	139,960	139,319	139,536	130,288	132,238	135,494
128	ND State U.	103,248	104,505	107,337	116,327	114,260	126,419	134,064	135,493
129	Auburn U., Auburn	NA	NA	NA	NA	NA	145,115	163,335	133,013
130	Naval Postgraduate School	54,233	62,714	66,972	89,940	82,451	103,510	101,363	132,450
131	U. AR for Medical Sciences	91,516	107,871	108,551	117,440	106,314	119,518	122,066	129,056
132	Temple U.	86,646	84,114	90,773	99,815	111,421	124,528	126,478	128,580
133	MT State U., Bozeman	118,188	121,534	124,833	130,120	126,844	135,084	125,966	124,228
134	U. AR, Fayetteville	107,974	109,609	113,773	115,397	117,448	113,909	120,007	123,199
135	U. MS and U. MS Medical Ctr.	101,350	105,029	117,522	99,413	100,102	110,020	122,765	121,731
136	U. Central FL	121,699	122,879	141,140	147,092	148,809	117,985	109,190	121,653
137	FL International U.	87,720	84,697	108,015	107,025	101,322	110,271	110,006	118,058
138	Rice U.	63,769	67,045	72,112	74,720	79,431	97,903	110,235	117,223
139	Drexel U.	93,323	97,675	98,010	103,558	105,020	118,349	115,020	116,768
140	U. Houston	87,936	80,984	78,381	87,691	102,917	119,811	113,709	116,288
141	U. VT	116,279	122,814	114,172	116,463	122,991	129,856	132,356	115,697
142	U. RI	60,252	70,696	76,237	78,871	84,989	90,016	102,630	114,323
143	Northeastern U.	70,001	72,329	78,220	66,315	67,174	79,949	86,783	107,862
144	U. OR	61,058	66,602	71,362	78,934	86,371	94,107	103,019	105,030
145	Old Dominion U.	56,956	65,357	73,549	87,594	96,186	97,176	102,192	104,579
146	NJ Institute of Technology	76,920	77,583	88,699	89,792	92,891	92,318	100,491	102,851
147	Thomas Jefferson U.	107,388	106,986	107,288	99,275	101,188	103,064	104,923	100,506
148	U. ID	93,127	88,284	83,690	82,489	89,242	87,207	96,229	97,227
149	San Diego State U.	83,599	83,398	74,686	81,385	91,074	99,137	106,591	92,867
150	Rensselaer Polytechnic Institute	65,921	71,382	77,679	77,967	78,188	83,952	84,834	92,720
151	U. ME	75,815	93,867	100,072	96,755	101,344	111,282	111,600	92,135
152	GA State U.	61,651	64,624	65,900	94,429	78,920	81,015	92,725	91,148
153	U. TX, Dallas	43,111	44,198	46,477	59,300	65,804	82,044	93,230	90,700
154	George Mason U.	57,373	60,168	61,068	76,838	85,306	84,120	88,089	90,198
155	U. AL, Huntsville	57,330	61,831	73,760	75,818	74,340	75,683	75,724	87,388

TABLE 20. Higher education R&amp;D expenditures, ranked by FY 2012 R&amp;D expenditures: FYs 2005–12

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
156	U. NV, Reno	97,306	100,643	99,286	104,841	109,151	95,423	89,740	85,726
157	Syracuse U.	48,227	53,784	58,342	62,098	79,950	107,024	83,686	85,649
158	Cold Spring Harbor Lab.	ne	ne	ne	ne	ne	ne	89,913	84,072
159	TX A&M Health Science Ctr.	73,162	76,109	77,957	79,688	83,631	81,615	74,957	82,833
160	U. Dayton	70,178	72,070	76,166	83,293	95,043	93,309	90,557	81,030
161	SUNY, Binghamton U.	25,919	29,966	37,382	62,959	71,912	72,057	72,539	81,000
162	Rush U.	83,693	83,194	84,370	89,513	96,975	73,398	79,212	80,300
163	U. ND	47,024	56,301	63,298	65,185	71,858	76,560	74,882	80,149
164	U. TX, El Paso	37,985	42,882	47,410	50,603	59,983	68,870	74,069	79,649
165	U. TX, Arlington	29,155	29,408	33,324	48,475	55,005	71,414	72,483	78,556
166	U. TN, Health Science Ctr.	NA	NA	NA	NA	NA	81,904	81,220	77,754
167	U. MD, Baltimore County	59,105	68,205	71,201	72,057	81,056	87,156	91,657	74,993
168	Brandeis U.	56,435	59,250	58,925	51,686	65,586	71,006	74,889	74,660
169	MI Technological U.	41,337	44,200	56,640	60,356	60,395	63,471	70,089	71,989
170	Southern IL U., Carbondale	57,760	75,564	65,074	67,435	66,658	69,924	71,130	71,097
171	GA Health Sciences U.	67,278	61,174	60,001	57,085	65,473	72,015	73,486	70,526
172	SD State U.	32,389	33,496	39,564	48,063	55,584	67,552	69,680	68,743
173	U. TN, Institute of Agriculture	NA	NA	NA	NA	NA	59,212	62,786	68,480
174	U. Toledo	33,002	32,745	54,342	61,082	67,464	70,399	74,149	68,228
175	U. Akron	27,897	28,675	27,399	27,415	34,853	52,884	60,352	66,413
176	U. CA, Office of the President	97,245	128,992	119,109	100,189	83,108	72,542	63,420	65,627
177	U. WY	83,742	89,707	80,041	76,711	79,684	55,319	57,549	65,611
178	FL Atlantic U.	27,797	30,393	46,055	49,410	56,127	56,472	62,024	65,377
179	U. LA, Lafayette	52,139	55,427	60,203	65,462	75,474	69,412	69,978	65,275
180	U. WI, Milwaukee	42,974	45,219	52,523	52,443	56,196	71,181	65,648	61,771
181	Wichita State U.	53,182	37,934	53,392	60,640	75,655	51,524	63,538	61,279
182	TX Tech U., Health Sciences Ctr.	18,697	22,013	21,006	24,716	37,363	51,282	58,774	61,219
183	Cleveland State U.	22,415	16,076	17,819	15,027	14,345	34,235	55,502	61,111
184	U. MA, Lowell	25,745	29,383	36,117	40,873	56,664	59,345	60,013	60,624
185	U. MA, Boston	19,418	22,347	37,441	38,018	47,028	56,416	57,040	60,086
186	U. Southern MS	38,766	40,845	48,595	47,582	47,205	42,059	46,591	60,079
187	U. MT, Missoula	55,795	53,333	56,119	58,557	59,791	63,540	60,159	59,313
188	CO School of Mines	26,499	28,729	29,939	34,050	40,117	44,879	48,704	58,836
189	Portland State U.	29,371	32,308	30,203	35,705	44,574	56,533	58,975	58,489
190	CUNY, City C.	29,826	31,071	33,712	35,096	37,538	46,699	60,648	57,982
191	U. TX, San Antonio	23,606	32,317	32,321	34,601	46,521	56,279	58,667	57,233
192	OH U.	44,593	39,167	39,008	38,984	43,097	50,440	57,643	57,203
193	U.S. Air Force Academy	30,115	10,547	16,345	45,445	50,452	62,097	73,607	56,044
194	U. AL, Tuscaloosa	34,770	35,642	36,807	33,477	36,889	40,762	53,633	55,885

TABLE 20. Higher education R&amp;D expenditures, ranked by FY 2012 R&amp;D expenditures: FYs 2005–12

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
195	C. of William and Mary and VA Institute of Marine Science	57,867	60,813	59,894	63,400	59,638	57,461	58,919	55,805
196	LA State U., Health Sciences Ctr., New Orleans	93,595	79,927	91,498	60,007	59,111	59,776	57,007	53,712
197	FL A&M U.	28,506	36,824	17,695	25,515	27,018	53,474	53,326	52,263
198	Boston C.	33,732	38,309	41,710	44,413	45,795	50,537	52,253	51,442
199	U. Memphis	68,505	56,686	57,264	56,075	54,970	49,517	48,321	51,194
200	St. Louis U.	47,356	48,248	56,921	59,236	38,075	46,839	53,179	49,086
201	U. MD, Ctr. for Environmental Science	41,022	40,146	40,720	40,556	41,670	42,670	50,007	48,224
202	Jackson State U.	35,876	38,273	36,888	42,739	44,884	44,862	49,998	46,943
203	U. North TX, Denton	16,799	18,285	15,981	18,066	24,120	31,496	42,475	46,943
204	U. North TX, Health Science Ctr.	22,325	25,124	28,187	28,179	29,582	38,862	45,943	46,865
205	Wright State U.	40,409	47,749	49,798	47,803	48,215	48,575	48,501	46,213
206	Loyola U., Chicago	41,876	38,611	35,420	35,307	36,519	43,903	42,708	45,903
207	U. PR, Medical Sciences Campus	35,809	38,424	38,863	35,570	41,668	39,134	64,017	45,649
208	Howard U.	41,913	36,817	38,583	38,010	34,714	40,080	42,341	45,486
209	American U.	1,671	3,843	13,107	15,742	35,194	39,747	46,611	43,526
210	SUNY, Health Science Ctr. Brooklyn	29,732	31,064	29,809	32,299	29,184	32,512	41,993	43,257
211	CUNY, Hunter C.	37,075	36,039	31,023	34,644	37,349	38,900	39,772	41,022
212	U. South AL	19,431	19,729	26,181	29,895	32,882	35,500	42,233	40,172
213	MO U. of Science and Technology	40,832	39,274	31,168	36,533	35,672	42,263	41,581	38,588
214	NM Institute of Mining and Technology	56,134 i	73,792	83,742	79,437	81,742	51,696	43,857	37,875
215	Eastern VA Medical School	33,721	33,013	31,453	30,777	36,678	44,420	36,569	37,745
216	Morehouse School of Medicine	30,652	28,378	27,886	27,077	27,392	30,669 i	33,946	37,586
217	Rochester Institute of Technology	24,309	24,703	24,106	27,025	33,393	38,663	34,889	36,935
218	TX State U., San Marcos	8,896	9,496	10,320	19,309	24,497	30,560	33,487	36,664
219	SUNY, Upstate Medical U.	34,931	37,181	39,699	36,359	33,194	43,824	39,988	35,897
220	NC Agricultural and Technical State U.	22,993	23,948	24,138	29,036	28,615	35,297	34,930	35,103
221	Rutgers, State U. NJ, Newark	NA	NA	NA	NA	NA	27,745	35,774	34,797
222	San Jose State U.	48,624	49,267	47,256	52,408	55,213	38,241	40,149	34,727
223	U. NV, Las Vegas	49,564	58,618	57,768	53,320	41,652	44,457	39,526	34,543
224	Brigham Young U., Provo	26,990	30,013	29,635	28,988	29,901	32,997	37,142	33,843
225	U. PR, Rio Piedras	21,432	22,623	22,345	35,665	31,592	30,515	32,582	33,099
226	Desert Research Institute	34,570	38,511	40,238	38,045	36,490	34,367	35,331	33,056
227	Air Force Institute of Technology	15,091	19,394	17,173	20,527	27,458	31,259	31,879	32,746
228	Creighton U.	27,022	25,615	28,374	26,872	27,104	27,700	31,443	32,594
229	IL Institute of Technology	28,081	24,654	26,740	25,289	25,709	36,554	44,463	32,576
230	AL A&M U.	16,075	14,431	13,672	8,959	14,752	30,497	32,063 i	32,312 i
231	U. PR, Mayaguez	21,792	22,337	21,738	20,094 i	20,991	26,475	34,424	32,115
232	Lehigh U.	38,886	35,046	38,307	38,190	34,352	37,332	32,086	31,992
233	East Carolina U.	14,563	14,539	16,372	16,880	24,922	23,995	28,114	31,990

TABLE 20. Higher education R&amp;D expenditures, ranked by FY 2012 R&amp;D expenditures: FYs 2005–12

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
234	U. SD	18,919	22,892	21,473	22,742	34,690	30,616	28,959	31,982
235	Stevens Institute of Technology	31,059	33,600	34,383	30,493	28,660	35,544	41,622	31,929
236	Loma Linda U.	29,898	32,451	28,020	35,890	37,557	35,990	39,409	31,772
237	Mercer U.	20,042	19,622	18,163	19,739	21,974	27,298	29,039	31,376
238	San Francisco State U.	24,008	28,307	27,244	21,382	25,323	25,615	26,198	30,291
239	CA State U., Northridge	21,266	17,140	21,866	20,574	20,822	29,469	25,654	29,491
240	LA State U., Medical Ctr., Shreveport	NA	NA	NA	33,458	31,293	30,817	31,021	29,365
241	U. MO, Kansas City	34,282	27,572	30,944	28,892	28,657	30,163	32,769	29,227
242	SUNY, C. of Environmental Science and Forestry	12,054	17,954	23,854	26,359	20,513	26,916	28,289	28,509
243	U. New Orleans	35,061	26,520	28,972	27,917	30,801	35,021	35,359	28,450
244	Northern AZ U.	23,047	27,892	27,030	26,160	26,723	28,803	30,785	28,100
245	Boise State U.	9,168	8,997	11,520	11,592	12,305	18,731	24,204	27,920
246	Southern IL U., Edwardsville	39,914	42,457	44,650	47,268	49,139	31,781	33,736	26,992
247	LA Tech U.	18,612	18,095	17,190	22,768	21,458	26,020	27,583	26,546
248	Kent State U.	15,157	16,506	22,201	26,168	27,275	26,331	27,455	26,507
249	Miami U.	18,026	19,229	23,729	25,052	29,808	26,521	26,093	26,311
250	U. of the VI	16,735	17,495	17,842	18,099	22,019	32,350	21,994	25,719
251	Meharry Medical C.	29,105	32,878	33,218	34,152	26,587	27,001	29,055	25,559
252	U. NC, Charlotte	20,307	22,656	26,974	25,196	29,272	31,814	27,533	25,141
253	Catholic U. America	22,754	18,412	20,484	20,767	20,400	21,454	25,397	24,971
254	Southern Methodist U.	14,439	15,823	16,985	22,902	16,741	18,742	24,453	24,397
255	NY Medical C.	32,460	34,397	34,365	31,644	30,584	28,400	27,316	23,277
256	U. MA, Dartmouth	21,133	20,389	20,120	20,925	20,669	25,725	25,644	22,732
257	U. CA, Merced	na	7,931	11,600	17,403	22,013	21,591	21,328	22,656
258	CUNY, Queens C.	7,628	7,462	9,840	11,989	13,115	16,845	23,219	22,399
259	CA State U., Fullerton	7,515	7,893	7,115	9,038	14,898	21,776	28,186	22,222
260	U. HI, Hilo	16,653	18,564	16,674	14,500	20,202	14,857	9,934	22,003
261	Northern IL U.	14,787	21,048	21,483	21,179	27,938	27,036	21,748	21,823
262	U. MN, Duluth	NA	NA	NA	NA	NA	21,150	23,400	21,530
263	Polytechnic Institute of NY U.	24,845	24,329	23,766	13,673	9,547	10,601	13,222	21,413
264	ID State U.	20,137	17,119	20,569	21,627	21,405	20,495	21,450	21,179
265	Western MI U.	24,801	25,470	25,779	26,649	22,579	26,391	25,051	21,073
266	Teachers C., Columbia U.	13,296	13,113	14,561	17,104	18,399	17,167	18,406	20,805
267	Charles R. Drew U. of Medicine and Science	43,231	47,188	52,118	49,224	57,604	22,152	22,150	20,580
268	U. Tulsa	13,640	13,209	16,218	15,576	13,769	23,387	19,489	20,270
269	Worcester Polytechnic Institute	14,736	15,345	14,308	15,887	15,645	18,613	22,137	20,232
270	U. AK, Anchorage	13,594	16,520	14,751	13,353	13,400	16,709	18,620	20,194
271	U. NC, Wilmington	21,431	14,212	17,603	20,326	18,287	23,143	22,593	19,722
272	Embry-Riddle Aeronautical U.	14,629	10,628	7,930	7,004	10,899	12,189	16,289	19,376

TABLE 20. Higher education R&amp;D expenditures, ranked by FY 2012 R&amp;D expenditures: FYs 2005–12

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
273	U. MO, St. Louis	14,022	13,587	13,214	14,374	15,665	14,628	18,461	19,356
274	Fordham U.	5,198	12,525	13,268	16,492	15,676	19,289	18,350	19,311
275	SD School of Mines and Technology	13,347	12,589	14,480	16,503	14,373	28,572	32,070	19,140
276	U. NC, Greensboro	16,016	13,724	13,574	16,451	19,811	22,436	26,121	19,080
277	Marshall U.	23,606	19,957	22,755	23,022	23,645	24,501	26,723	18,998
278	Marquette U.	10,616	11,051	9,917	10,602	10,470	14,310	19,876	18,606
279	Oakland U.	6,654	9,554	9,038	9,812	11,275	12,856	15,868	18,194
280	IL State U.	7,079	6,298	7,528	7,110	8,727	18,417	17,833	17,760
281	Morgan State U.	9,544	13,523	11,257	12,336	12,433	12,804	12,803	17,751
282	Albany Medical C.	15,465	16,227	15,029	15,108	17,776	22,953	20,876	17,735
283	TX A&M U., Kingsville	13,888	13,785	14,381	14,495	16,217	17,378	17,114	17,419
284	CA Polytechnic State U., San Luis Obispo	11,515	12,956	14,970	15,196	19,857	19,732	16,532	17,412
285	FL Institute of Technology	7,920	8,990	7,732	9,232	11,523	12,054	14,523	17,100
286	CA State U., Long Beach	10,572	10,880	14,697	16,400	13,453	15,494	16,319 i	16,446 i
287	U. West FL	19,029	13,376	14,903	14,137	13,288	17,757	21,710	16,221
288	Tuskegee U.	12,168	12,982	15,905	16,606	18,543	15,581	15,685	15,991
289	TX A&M U., Corpus Christi	10,925	12,827	13,178	12,289	13,858	17,266	17,509	15,776
290	Fayetteville State U.	8,509	632	8,124	8,647	10,541	11,865	14,618	15,719
291	DE State U.	5,909	7,642	7,729	8,384	9,924	15,200	19,019	15,668
292	Rosalind Franklin U. of Medicine and Science	11,920	10,981	12,199	12,128	13,375	12,426	14,261	15,587
293	Duquesne U.	10,172	10,515	11,175	11,982	11,856	15,804	16,814	15,547
294	TN State U.	15,263	14,693	12,982	12,571	12,581	12,432	13,468	15,439
295	Hampton U.	43,124	28,819	24,017	21,089	12,847	14,455	12,414	15,356
296	U. Denver	16,526	14,585	14,178	14,657	16,727	15,748	17,004	15,237
297	Purdue U., Calumet	NA	NA	NA	NA	NA	14,014	11,946	14,897
298	Clarkson U.	13,826	16,176	17,257	17,724	15,047	18,584	17,951	14,809
299	Prairie View A&M U.	12,089	11,521	12,036	10,800	11,556	12,565	15,243	14,552
300	FL Gulf Coast U.	11,660	12,333	11,805	11,664	10,905	13,906	17,051	14,393
301	AR State U., Jonesboro	4,070	6,034	7,552	6,899	8,715	11,115	13,435	14,250
302	CA State U., Sacramento	237 i	212 i	183	4,718	14,461	15,207	16,344	14,053
303	U. Southern ME	16,931 i	20,971	35,725	48,891	48,255	16,358	16,938	13,915
304	AL State U.	1,900	1,900	1,900	2,461	17,164	13,340	12,340	13,607
305	Northeastern OH Universities, C. of Medicine	5,703	5,294	4,984	9,165	10,077	10,819	13,581	13,358
306	SC State U.	3,796	3,796	3,796	8,123	8,535	7,167	10,037 i	12,909
307	Nova Southeastern U.	5,789	6,445	6,697	7,603	9,018	10,116	12,322	12,908
308	Eastern MI U.	7,020	6,908	5,547	6,100	8,118	14,133	11,643	12,437
309	U.S. Military Academy	7,293 i	7,722 i	8,526	10,549	9,563	22,171	13,799	12,227
310	MT Tech of U. MT	7,000	7,843	7,142	7,883	8,395	7,424	6,705	11,765
311	Ball State U.	11,370	13,178	12,743	15,461	16,644	20,477	18,765	11,740



TABLE 20. Higher education R&amp;D expenditures, ranked by FY 2012 R&amp;D expenditures: FYs 2005–12

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
312	Ponce School of Medicine and Health Sciences	7,840	7,654	9,103	7,686	7,085	8,934	10,502	11,586
313	Alcorn State U.	6,256	6,593	9,056	11,665	13,064	10,280	11,397	11,515
314	East TN State U.	8,350	8,188	8,269	8,485	9,445	9,869	10,249	11,213
315	NC Central U.	5,769 i	6,597	4,337	6,323	5,379	6,870	9,496	11,076
316	Central MI U.	5,263	4,664	5,082	4,928	5,758	7,483	8,671	10,907
317	U. TN, Chattanooga	10,294	7,838	5,991	8,602	8,303	10,749	9,251	10,896
318	Western KY U.	6,833	9,090	10,404	8,855	9,138	9,943	8,344	10,639
319	Xavier U. LA	4,784 i	4,139	4,532	5,253	5,693	8,029	9,849	10,606
320	U. AR, Little Rock	4,345	9,331	9,598 i	9,866	10,650	11,007	12,039	10,500
321	Clark Atlanta U.	12,823	11,155	8,543	7,486	7,861	8,515	8,245	10,406
322	RI C.	ne	ne	ne	ne	ne	ne	8,027	10,389
323	Claremont Graduate U.	6,068	6,713	6,661	6,102	4,275 i	7,116	6,589	10,350
324	VA State U.	5,225	10,220	10,495	8,991	9,637	7,466	8,562	10,296
325	TN Technological U.	9,752	9,986	12,499	12,351	14,823	16,754	13,247	10,233
326	Villanova U.	8,475 i	9,473 i	10,962	9,484	9,919 i	10,066 i	10,044	10,192 i
327	Baylor U.	8,415	8,105	10,794	12,655	14,035	10,925	12,343	10,161
328	Fairfield U.	7,611	6,979	7,721	8,591	9,454	9,294	9,892	9,868 i
329	Bryn Mawr C.	5,717	4,889	4,640	7,658	7,296	7,476	8,388	9,837
330	U.S. Naval Academy	6,847	7,102	8,204	9,314	10,781	11,093	10,543	9,610
331	C. Charleston	5,891	7,454	7,707	6,695	6,022	14,218	8,320	9,579
332	Humboldt State U.	6,342 i	6,500	7,087	8,808	15,261	9,845	9,570	9,510
333	U. Metropolitana	2,677 i	298	248	505	597	1,888	2,387	9,472
334	Tarleton State U.	10,235	10,128	9,232	9,476	11,835	10,763	10,426	9,393
335	CUNY, John Jay C. of Criminal Justice	1,317	1,484	2,884	4,085	6,487	5,916	6,205	9,319
336	CA State U., San Bernardino	19,212	13,514	10,734	12,487	9,871	4,188	11,591	9,303
337	CUNY, Brooklyn C.	4,166	5,215	5,868	5,030	5,486	6,846	9,306	9,216
338	CUNY, Graduate Ctr.	9,918	9,220	9,779	10,395	10,118	11,562	11,974	9,173
339	Morehouse C.	4,112	6,301	5,709	5,274	6,993	7,857	8,485 i	9,113
340	U. AR, Pine Bluff	7,330	6,774	5,831	7,238	7,422	8,343	9,415	9,082
341	U. TX, Pan American	5,816	6,791	7,209	8,479	8,971	8,693	8,672	9,062
342	Wesleyan U.	8,536	8,619	8,657	8,177	7,518	8,397	10,367	8,945
343	James Madison U.	5,031	4,802	5,818	5,922	5,988	7,038	7,303	8,891
344	IN U.-Purdue U., Ft. Wayne	NA	NA	NA	NA	NA	8,523	8,864	8,570
345	Bowling Green State U.	10,542	11,990	9,667	11,390	8,562	8,124	8,999	8,566
346	U. TX, Tyler	502	914	1,444	3,426	3,297	5,679	2,766	8,520
347	Wellesley C.	9,425	8,408	8,803	8,735	8,385	8,422	7,242	8,439
348	U. NE, Omaha	9,119	8,737	7,769	6,541	8,015	8,951	9,509	8,376
349	CA State U., Fresno	13,520	10,249	5,717	8,206	10,171	8,698	8,597	8,359
350	Norfolk State U.	6,786	5,305	6,542	7,893	6,885	5,944	7,140	8,336

TABLE 20. Higher education R&amp;D expenditures, ranked by FY 2012 R&amp;D expenditures: FYs 2005–12

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
351	U. TX, Brownsville	ne	ne	ne	5,923	6,004	6,886	7,491	8,318
352	Southern U. Agriculture Research and Extension Ctr.	ne	ne	ne	ne	ne	ne	6,143	8,122
353	Winthrop U.	ne	ne	ne	ne	ne	ne	5,089	7,993
354	Lincoln U., Jefferson City	2,656	5,395	5,573	6,263	8,011	8,475	8,518	7,899
355	TX Christian U.	5,849	5,564	5,536	5,007	6,213	5,306	5,595	7,775
356	Western WA U.	7,039	8,526	8,058	7,816	8,579	10,571	9,498	7,597
357	New School	5,889	6,950	7,795	2,703	3,843	5,178	6,420	7,568
358	Dillard U.	1,401 i	2,123 i	4,684	1,991	6,513	8,425	7,936 i	7,448
359	U. Central del Caribe	9,181	8,790	9,446	8,243	7,484	7,122	7,515	7,313
360	U. MD, Eastern Shore	5,568	4,609	3,522	6,015	7,504	8,692	8,664	7,309
361	Clark U.	6,410	7,349	6,640	7,049	8,223	7,111	6,861	7,260
362	Wheeling Jesuit U.	5,604 i	6,304 i	7,328	9,390	11,551	9,398	9,825	7,225
363	CA State U., Los Angeles	10,783	9,660	12,103	10,142	9,313	7,714	8,823	7,192
364	Middle TN State U.	2,633	2,407	2,486	3,340	3,468	4,793	4,969	7,108
365	U. North FL	5,636	6,413	8,412	9,847	6,141	8,041	9,379	7,031
366	U. del Turabo	150 i	864	417	532	423	6,620	7,098	6,953
367	West TX A&M U.	4,573	5,816	5,502	6,332	6,526	7,346	5,847	6,937
368	Salisbury U.	ne	ne	ne	ne	ne	3,503	1,852	6,891
369	KY State U.	3,100	3,883	3,770	4,671	5,189	4,912	4,562	6,859
370	Southern U. and A&M C., Baton Rouge	4,333 i	4,350	5,590	6,701	6,865	6,865	6,819 i	6,773
371	Gallaudet U.	6,779	6,710	8,387	4,005 i	4,490 i	7,652	7,161	6,765
372	CA State Polytechnic U., Pomona	2,765	2,502	2,466	1,750	1,682	6,493	7,198	6,597
373	CA State U., Monterey Bay	4,045	4,107	7,032	6,275	6,204	5,305	6,959	6,567
374	Seton Hall U.	10,131	6,546	8,035	6,812	15,427	4,003	7,701	6,398
375	TX Southern U.	5,089	5,294	4,564	4,858	4,992	7,003	6,318	6,380
376	U. GU	8,531 i	7,604	7,059	6,106	5,834	5,555	5,626	6,131
377	U. WI, Superior	1,154	1,847	2,502	2,180	3,855	5,890	6,187 i	6,041 i
378	U. MI, Dearborn	NA	NA	NA	NA	NA	6,779	7,554	6,015
379	CA State U., San Marcos	ne	ne	ne	670	6,782	5,788	6,140 i	5,995 i
380	St. Edward's U.	ne	ne	ne	ne	ne	ne	7,160	5,906
381	TX A&M U., Galveston	ne	ne	ne	ne	ne	ne	ne	5,834
382	Loyola Marymount U.	911	2,112	2,726	3,561	4,897	4,557	6,455	5,746
383	GA Southern U.	5,301	6,332	6,600	4,204	4,739	3,704	3,912	5,719
384	Dakota State U.	ne	ne	ne	ne	ne	ne	1,015	5,709
385	DePaul U.	4,817	4,581	3,545	3,324	3,830	4,889	5,798	5,706
386	U. WI, Stevens Point	1,994	2,375	3,182	3,325	4,002	6,766	6,171 i	5,576
387	U. Baltimore	12,443	8,506	2,397	5,442	6,063	4,229	5,944	5,556
388	Stephen F. Austin State U.	4,830	8,225	7,316	7,867	8,345	9,127	6,046	5,495
389	U. South FL, St. Petersburg	NA	NA	NA	NA	NA	4,425	3,978	5,488

TABLE 20. Higher education R&amp;D expenditures, ranked by FY 2012 R&amp;D expenditures: FYs 2005–12

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
390	Alfred U.	8,551	6,383	5,510	5,595	3,991	4,524	6,084	5,451
391	Langston U.	4,371	4,416	4,405	4,025	4,114	4,492	5,206	5,326
392	Claremont McKenna C.	ne	ne	678 i	669 i	741 i	5,725	5,316	5,303 i
393	U. of the Pacific	4,896	6,209	6,068	8,551	6,879	6,120	4,704	5,291
394	Clafin U.	222	930	1,261 i	1,592	3,328	3,252	5,439	5,255
395	U. New England	ne	1,528	2,162	1,743	2,162	3,560	4,016	5,224
396	Midwestern U.	3,204	2,786	2,358	2,697	3,457	3,626	4,022	5,200
397	Grand Valley State U.	3,776	3,792	4,938	6,301	3,925	5,044	5,305 i	5,180 i
398	Montclair State U.	1,511	1,693	1,341	1,405	1,733	2,255	3,621	5,123
399	WV State U.	2,537	2,467	2,765	4,362	4,017	3,770	4,176	5,087
400	Carleton C.	2,504	2,538	2,718	2,917	3,865	4,575	5,382	4,957
401	CUNY, C. Staten Island	2,682	2,391	3,618	3,275	3,409	3,290	4,188	4,955
402	Bowdoin C.	2,326	2,446	2,304	2,028	1,990	2,627	2,877	4,732
403	U. CO, Colorado Springs	4,350	4,509	8,090	9,861	9,545	9,088	7,425	4,727
404	Milwaukee School of Engineering	2,628	2,933	3,740	4,156	4,245	3,944	4,472	4,635
405	Amherst C.	3,610	4,709	4,384	5,906	4,984	3,628	4,623	4,612 i
406	West Chester U. PA	3,701	1,468	2,649	3,893	3,064	5,584 i	8,103	4,591
407	Williams C.	3,459	4,074	3,983	4,084	4,907	4,691	4,513	4,518
408	Western IL U.	8,690	7,554	7,085	4,597	3,642	1,221	1,528	4,514
409	Palmer C. of Chiropractic	ne	ne	ne	3,340	3,415	4,693	4,861	4,507
410	National U.	ne	ne	ne	ne	ne	ne	3,134	4,482
411	Elizabeth City State U.	947	717	1,904	2,982	3,421	5,576	10,455	4,455
412	Appalachian State U.	1,462	2,422	3,359	3,851	3,135	2,898	3,835	4,438
413	Sam Houston State U.	1,365	3,141	2,812	4,553	8,617	7,555	5,816	4,349
414	MO State U.	6,538	5,385	9,424	9,313	11,396	7,770	5,584	4,340
415	U. San Francisco	1,245	1,317	1,714	1,736	1,804	2,124	2,668	4,301
416	U. WA, Bothell	NA	NA	NA	NA	NA	630	2,857	4,285
417	U. Richmond	2,716	2,469	2,560	3,458	3,969	4,052	4,064	4,282
418	U. San Diego	1,922	1,033	1,348	1,484	2,383	2,934	3,483	4,275
419	Smith C.	4,140	5,146	4,401	4,865	5,152	4,613	4,529	4,246
420	Pace U.	2,722	2,452	2,295	2,541	1,721	3,085	3,732	4,214
421	TX Woman's U.	1,927	2,079	2,132	2,322	2,351	2,271	2,919	4,129
422	Kettering U.	1,758	3,473	2,209	3,689	4,454	6,880	5,087	4,059
423	Fisk U.	6,600	6,600	6,600	2,851	5,265	7,700	4,849	4,058
424	U. of the DC	4,426	5,065	5,165	5,629	3,958	5,012	4,422	4,030
425	Bucknell U.	1,869	3,255	2,404	2,934	4,538	5,456	5,043	4,009
426	Rutgers, State U. NJ, Camden	NA	NA	NA	NA	NA	3,574	5,079	3,810
427	Rowan U.	7,881	7,360	7,569	6,338	6,950	2,987	3,247	3,783
428	Barnard C.	3,159	2,742	2,772	2,824	2,972	3,353	4,046	3,684

TABLE 20. Higher education R&amp;D expenditures, ranked by FY 2012 R&amp;D expenditures: FYs 2005–12

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
429	Azusa Pacific U.	ne	ne	ne	ne	ne	ne	3,620	3,673 i
430	Ft. Valley State U.	2,497	2,570	2,610	3,311	3,262	5,310	3,850	3,665
431	Long Island U.	1,684	2,914	2,853 i	2,875	2,955 i	3,401 i	3,595 i	3,648 i
432	U. Northern IA	2,862	1,549	4,150	3,237	2,453	3,064	4,248	3,615
433	U. of the Sciences in Philadelphia	704	1,260	1,449	1,777	1,800	1,964	3,504	3,610
434	CUNY, Baruch C.	2,691	2,853	2,484	3,449	2,546	2,616	2,645	3,605
435	Youngstown State U.	1,386	1,314	734	1,478	2,082	4,523	4,732	3,598
436	Central State U.	1,579	2,320	2,320	2,553	3,308	3,233	3,821	3,591
437	Lamar U.	3,375	3,277	4,243	4,928	5,376	5,829	4,762	3,589
438	U. WI, La Crosse	3,509	3,062	3,650	3,370	3,349	4,141	3,862 i	3,583
439	Southern CT State U.	4,528	2,295 i	3,118	3,448	4,096	3,840	4,083	3,526
440	Harvey Mudd C.	1,852	2,301	2,767	3,005	2,701	3,214	3,861	3,512
441	SUNY, C. of Optometry	2,481	1,913	2,231	2,238	2,670	3,529	3,738	3,466
442	Eastern KY U.	1,314	4,307	6,580	5,370	2,324	3,531	3,782	3,404
443	Hope C.	2,060	2,926	2,603	2,605	2,321	3,596	4,185	3,376
444	PA State U., Erie	NA	NA	NA	NA	NA	3,265	3,183	3,374
445	Murray State U.	3,529	3,379	2,565	2,370	1,734	3,396	3,718	3,345
446	TX A&M International U.	250	ne	ne	482	1,870	2,428	3,121	3,344
447	Santa Clara U.	3,613 i	3,700 i	3,814 i	3,986	4,066	3,816	2,407	3,329
448	Mt. Holyoke C.	3,563	2,784	3,570	3,522	2,972	2,788	3,317	3,323
449	Chapman U.	839	2,068	2,064	1,519	2,225	3,830	3,547	3,314
450	Swarthmore C.	2,676	3,051	2,137	2,526	3,067	2,984	2,994	3,281
451	U. Central AR	3,950	7,002	7,036	1,638	1,515	2,670	2,821	3,277
452	Colgate U.	1,308	2,060	2,406	2,953	2,819	2,851	2,291	3,268
453	Pomona C.	2,430	3,181	3,806	4,244	3,234	2,924	3,640	3,259
454	Calvin C.	2,887	2,752	2,917	4,267	4,160	5,010	3,113	3,252
455	Hofstra U.	712 i	3,011	2,950	3,065	3,888	2,552	2,472	3,237
456	CUNY, Lehman C.	4,109	4,810	5,256	3,739	3,423	3,593 i	3,762	3,228
457	U. MA central office	ne	ne	ne	ne	ne	ne	ne	3,173
458	Hamilton C.	2,677	2,849	2,860	1,943	2,453	3,192	3,109	3,069
459	U. NC, Asheville	3,612	3,333	5,456	4,177	2,994	2,671	3,157	3,068
460	Middlebury C.	1,707 i	1,767 i	3,501	1,789	1,852	2,292	2,408	3,031
461	NY Institute of Technology	3,505	3,613	2,708	2,084	2,197	1,785	2,059	3,013
462	Western U. of Health Sciences	946	1,575	1,696	1,891	2,156	1,786	1,768	3,005
463	Franklin and Marshall C.	2,423	1,843	2,168	2,333	2,895	3,770	3,439	2,997
464	SUNY, Buffalo State C.	1,977	1,699	1,318	1,625	2,390	1,935	2,539	2,970
465	St. Joseph's U.	6,394	7,379	6,801	5,217	2,782	2,918	3,073	2,955
466	St. Cloud State U.	6,267	5,872	6,461	7,262	8,218	4,184	3,404	2,932
467	Plymouth State U.	ne	ne	ne	1,507	1,173	1,752 i	3,729	2,913

TABLE 20. Higher education R&amp;D expenditures, ranked by FY 2012 R&amp;D expenditures: FYs 2005–12

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
468	PA State U., Harrisburg	NA	NA	NA	NA	NA	2,734	3,460	2,903
469	U. Northern CO	3,299	3,232	2,181	2,294	2,924	2,607	2,078	2,896
470	CA State U., Dominguez Hills	9,321	3,256	13,831	13,122	2,836	2,743	2,780	2,894
471	Northwest Indian C.	ne	ne	ne	ne	2,538	2,426	2,744 i	2,847
472	Bastyr U.	ne	ne	ne	ne	1,485	1,572	2,121	2,844
473	Wiley C.	211	ne	ne	286	375	575	2,098	2,831
474	Nicholls State U.	2,118	1,758	1,233	1,172	1,864	2,590	3,321	2,794
475	CA Maritime Academy	ne	ne	ne	ne	ne	ne	3,005	2,793
476	Commonwealth Medical C.	ne	ne	ne	ne	ne	ne	ne	2,777
477	Benedict C.	1,494	1,498	1,778	1,549	1,337	1,533	3,009	2,754
478	Central WA U.	10,383	7,013	9,803	9,574	6,967	5,159	2,858	2,753
479	Mills C.	ne	550 i	575 i	560 i	2,926	1,679	2,237	2,747
480	Grinnell C.	1,131	912	1,181	1,185	746	2,069	1,340	2,735
481	U. New Haven	319	ne	394	ne	ne	ne	2,009	2,723
482	Eastern WA U.	2,208	2,778	2,570	2,622	2,236	3,266	3,910	2,700
483	Willamette U.	573	647	697	869	1,465	2,059	1,940	2,652
484	Albany C. of Pharmacy and Health Sciences	2,565	2,307	3,248	3,486	2,808	3,074	3,496	2,639
485	Tougaloo C.	571 i	461	2,616	3,460	2,983	2,978	2,753	2,613
486	Towson U.	2,046	1,054	1,098	2,357	4,101	3,052	3,574	2,599
487	Roger Williams U.	1,479	1,922	1,466	1,159	1,204	1,967	2,627	2,596
488	Haverford C.	1,259	967	1,182	1,397	1,870	3,620	2,765	2,588
489	Edward Via C. of Osteopathic Medicine	ne	ne	ne	ne	ne	ne	2,453	2,576
490	Pepperdine U.	ne	ne	ne	557	877	2,672	1,924	2,571
491	Memorial Sloan-Kettering Cancer Ctr., Louis V. Gerstner Jr. Graduate School of Biomedical Sciences	ne	ne	ne	ne	ne	ne	2,342	2,562
492	Erikson Institute	ne	ne	ne	ne	ne	ne	1,212	2,511
493	CA State U., Chico	2,933	2,208 i	1,796 i	1,384	1,931	2,881	2,684	2,492
494	Niagara U.	ne	ne	ne	ne	731	1,090	1,656	2,475
495	U. LA, Monroe	5,524	5,636	5,795	18,061	6,130	2,884	2,812	2,469
496	Black Hills State U.	4,156	3,075	3,132	2,922	2,549	2,883	1,643	2,466
497	Coastal Carolina U.	818	1,417	1,231	2,160	1,575	2,404	2,162	2,412
498	Bradley U.	1,613	1,913	1,880	1,792	1,652	1,151	1,910	2,392
499	Sul Ross State U.	2,375	2,676	3,056	2,549	2,698	3,039	3,183	2,375
500	U. IL, Springfield	2,128	1,923	2,328	2,450	2,030	2,096	2,002	2,370
501	U. WI, Oshkosh	1,594	1,413	1,396	1,724	1,373	1,556	2,384	2,331
502	U. West GA	1,817	1,492	1,622	1,912	1,522	1,749	2,711	2,280
503	TX A&M U., Commerce	1,056	1,118	1,879	1,796	2,613	2,679	2,242	2,279
504	U. Houston, Downtown	453	509	175	298	528	1,013	1,351	2,267
505	Lewis and Clark C.	989	1,738	2,315	2,206	1,270 i	2,753	2,778	2,246

TABLE 20. Higher education R&amp;D expenditures, ranked by FY 2012 R&amp;D expenditures: FYs 2005–12

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
506	New England C. of Optometry	1,870	1,711	1,356	1,604	1,596	1,457	1,751	2,237
507	Touro U., Vallejo	ne	ne	ne	ne	1,305	1,221	1,779	2,237
508	Keene State C.	ne	ne	ne	ne	ne	ne	2,290	2,236 i
509	Albany State U.	2,091	1,455	1,331	2,441	1,206	740	1,416	2,225
510	Northern KY U.	1,519	2,027	1,843	1,791	1,878	2,316	2,397	2,201
511	Western OR U.	ne	ne	ne	ne	541	2,255	1,986	2,195
512	Shaw U.	3,759	3,735	3,632	4,049	3,837	3,016 i	2,193	2,188 i
513	Grambling State U.	2,249	711	428	822	818 i	993	2,135	2,179
514	Morehead State U.	2,266	1,369	1,768	2,822	1,789	2,145	2,018	2,174
515	Dickinson C.	2,615	1,688	2,920	2,204	2,364	2,109	2,050	2,167
516	St. John's U., Manhattan	8,373	8,539	1,922	1,759	1,701	1,643	1,786	2,161
517	Spelman C.	2,862	3,191	3,847	2,219	3,164	3,181	2,273	2,148
518	SUNY, C. Geneseo	1,193	1,181	1,833	2,394	2,293	1,373	2,677	2,132
519	Austin Peay State U.	ne	ne	ne	ne	ne	ne	2,180	2,124
520	OK State U. Ctr. for Health Sciences	NA	NA	NA	NA	NA	4,398	2,815	2,122
521	Southeastern LA U.	1,743	2,242	1,732	2,358	1,712	2,561	1,952	2,121
522	Valparaiso U.	488	699	763	866	780	791	1,390	2,111
523	Pacific U.	1,663	763	793	818	1,267	1,849	1,129	2,110
524	Trinity C., Hartford	1,244	613	972	709	958	1,875	1,934	2,102
525	MN State U., Mankato	567	1,174	1,309	1,832	3,180	3,837	2,654	2,082
526	Bates C.	1,282	1,697	1,232	976	1,129	1,590	1,897	2,070
527	Furman U.	1,477	1,433	1,042	1,367	1,885	2,311	2,184	2,049
528	Kean U.	ne	ne	ne	ne	ne	ne	1,497	2,029
529	U. Hartford	1,360	1,633	3,457	7,183	7,120	1,137	2,419	2,007
530	Colby C.	1,456	1,635	1,294	1,369	1,695	1,782	1,772	1,996
531	Savannah State U.	2,421	2,342	2,301	1,902	1,651	1,874	2,700	1,996
532	Winston-Salem State U.	1,659 i	1,245 i	831 i	417 i	ne	ne	1,179	1,977
533	Kennesaw State U.	713	690	954	1,084	790	1,854	1,961	1,976 i
534	Haskell Indian Nations U.	ne	ne	ne	687	2,083	978	1,135	1,961
535	A. T. Still U.	1,206	1,439	826	1,179	623	1,253	1,925	1,953 i
536	U. PR, Humacao	3,551	4,449	5,225	2,135	1,967	1,971 i	1,976	1,949
537	Keck Graduate Institute	ne	ne	ne	ne	ne	ne	2,313	1,920
538	U. PR, Cayey	ne	ne	861	1,224	1,735	927	1,474	1,916
539	Philadelphia C. of Osteopathic Medicine	973	1,034	1,754	1,390	1,223	1,278	2,401	1,898
540	Rider U.	1,096	1,287	1,330	1,410	1,550	1,671	1,672	1,890
541	Skidmore C.	1,138	772	726	782	1,411	2,850	2,113	1,885
542	CA State U., Stanislaus	ne	ne	ne	ne	ne	ne	1,487	1,881
543	Wabash C.	3,727	3,688	3,963	4,484	4,279	3,200	2,098	1,877
544	Lafayette C.	1,718	1,799	1,551	2,002	1,898	2,089	2,426	1,864

TABLE 20. Higher education R&amp;D expenditures, ranked by FY 2012 R&amp;D expenditures: FYs 2005–12

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
545	IN State U.	1,594	2,402	1,837	1,898	1,513	1,541	1,980	1,857
546	Oberlin C.	1,059	810	773	726	869	1,985	1,710	1,856
547	Northwestern Health Sciences U.	ne	820	1,289	1,361	1,762	1,779	1,747	1,851
548	U. WA, Tacoma	NA	NA	NA	NA	NA	872	1,359	1,845
549	Reed C.	1,237	1,118	1,220	1,291	1,096	1,904	1,839	1,837
550	CUNY, system office	ne	ne	ne	ne	ne	ne	ne	1,817
551	Western Carolina U.	1,543	3,253	3,173	3,996	3,094	2,376	1,451	1,811
552	Indiana U. PA	1,201	485	626	1,306	1,726	1,376	1,736	1,809
553	Franklin W. Olin C. of Engineering	ne	ne	ne	ne	ne	ne	1,016	1,777
554	U. Houston, Clear Lake	1,383	1,234	1,249	1,023	1,244	1,279	1,746	1,769
555	Gonzaga U.	ne	ne	ne	844	705	1,249	1,819	1,765
556	CT C.	1,461	1,146	1,097	867	1,844	1,532	1,801	1,740
557	Bowie State U.	2,174	1,951	1,960	ne	ne	ne	1,910	1,739
558	Macalester C.	2,857	3,145	3,178	3,250	3,403	4,389	4,653	1,721
559	U. NE, Kearney	982	1,198	1,824	1,277	1,515	1,655	2,199	1,715
560	U. TX, Permian Basin	ne	ne	1,646	3,043	1,442	1,417	1,232	1,707
561	Siena C.	ne	630 i	585 i	589	1,140	1,061	1,714	1,662
562	Elon U.	ne	ne	ne	ne	ne	ne	1,523	1,658
563	Suffolk U.	ne	ne	ne	ne	ne	ne	1,624	1,637
564	CUNY, Medgar Evers C.	842	725	555	326	365	658	2,065	1,635
565	SUNY, Farmingdale State C.	ne	ne	ne	ne	ne	253	1,144	1,629
566	Lincoln U. of the Commonwealth of PA	526	606	450	948	683	1,425	1,336	1,622
567	Trinity U.	1,418	1,232	1,273	1,546	1,308	1,446	1,355	1,611
568	Drew U.	ne	ne	ne	ne	ne	ne	5,077	1,597
569	Occidental C.	2,109	1,449	1,652	2,110	2,625	2,289	1,809	1,592
570	St. Francis U.	4,981	4,114	3,677	3,147	2,915	2,923	2,823	1,586
571	NM Highlands U.	5,313	5,144	2,992	3,945	4,696	1,529	1,498	1,566
572	CUNY, York C.	1,552	1,625	2,640	2,302	ne	ne	2,180	1,544
573	Mercyhurst U.	ne	1,699	1,559	1,840	1,975	2,040	1,206	1,539
574	Purdue U., North Central	NA	NA	NA	NA	NA	1,349	1,436	1,518
575	St. Olaf C.	643	859	1,060	1,321	1,067	1,574	1,130	1,518
576	Hobart and William Smith Colleges	ne	ne	792	1,475	1,593	1,434	1,566	1,516
577	Union C., Schenectady	2,571	1,992	2,086	2,557	1,865	1,984	1,615	1,516
578	Central CT State U.	921	687	663	479	305	776	1,451	1,506
579	West Liberty U.	ne	508	579	516	535	1,645	1,869	1,505
580	Norwich U.	ne	ne	ne	ne	ne	ne	1,583	1,498
581	SUNY, C. Brockport	659	839	1,025	706	651	831	1,248	1,487
582	Lawrence Technological U.	1,033	2,393	2,337	1,905	2,146	3,952	3,348	1,483
583	Seattle Pacific U.	ne	ne	150 i	ne	949	684	1,633	1,481





TABLE 20. Higher education R&amp;D expenditures, ranked by FY 2012 R&amp;D expenditures: FYs 2005–12

(Dollars in thousands)

Rank	Institution	2005	2006	2007	2008	2009	2010	2011	2012
623	Skidaway Institute of Oceanography	ne	ne	ne	ne	ne	ne	ne	1,000 i
624	Weber State U.	ne	ne	ne	ne	777	983	1,314	990
625	St. Bonaventure U.	ne	ne	ne	ne	1,501	1,727	1,936	986
626	Stetson U.	ne	ne	ne	ne	ne	ne	1,451	982
627	U. Detroit Mercy	507 i	588	480 i	ne	1,498	1,148	1,462	970
628	C. Wooster	570	966	1,047	707	938	988	1,225	966
629	Arcadia U.	324 i	334 i	2,450	2,426	1,849	1,649	1,888	956
630	Angelo State U.	ne	677	744	906	1,223	1,088	1,201	954
631	New C. FL	314	ne	ne	ne	ne	660	1,046	945
632	East Central U.	ne	ne	ne	ne	ne	ne	1,937	937
633	Governors State U.	475	992	1,377	1,373	1,402	1,220	1,099	928
634	Richard Stockton C. NJ	ne	ne	ne	ne	ne	ne	1,455	927
635	Sewanee: U. of the South	349	252	229	ne	ne	ne	1,017	927
636	SUNY, C. Plattsburgh	5,754	5,666	2,877	495	1,470	1,664	1,098	913
637	U. of Mary Washington	ne	ne	ne	ne	ne	ne	1,374	907
638	Monmouth U.	779	1,716	1,766	1,545	1,576	2,195	1,956	904
639	Touro C.	ne	ne	ne	ne	ne	ne	1,247	889
640	Whitman C.	595	421	311	1,170	494	1,415	1,142	849
641	Wheaton C., Wheaton	ne	ne	ne	ne	ne	ne	1,187	844
642	Evergreen State C.	647	548	739	636	672	902	1,025	819
643	U. Portland	860	1,299	1,396	1,307	1,507	1,205	1,257	755
644	Alliant International U.	ne	ne	ne	ne	ne	ne	1,111	732
645	Oakwood U.	528 i	557 i	ne	3,203	493	ne	ne	724
646	Doane C.	ne	ne	ne	ne	ne	ne	1,022	678
647	Seattle U.	764	930 i	1,096 i	1,935	1,400	1,337 i	1,274	642
648	U. TN, Martin	2,077	1,098	1,164	1,085	1,092	1,164	1,232	580
649	Philadelphia U.	227 i	858	848	645	700	1,200	1,561	572
650	Chicago State U.	1,832	2,119	2,124	1,960	5,645	1,598	2,014	565
651	Shippensburg U. PA	ne	ne	ne	ne	ne	ne	1,049	548
652	Hampshire C.	2,723	1,145	1,119	1,015	994	569	1,530	507
653	Western New England U.	ne	ne	ne	ne	ne	ne	1,111	483
654	Barnes-Jewish C. Goldfarb School of Nursing	ne	ne	ne	ne	ne	ne	1,767	324
655	Cheyney U. PA	247 i	278	274	487	529	725	713	259
	All other surveyed institutions <sup>b</sup>	5,072,313	5,365,159	5,518,800	5,832,848	6,273,830	84,711	129,172	0

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.

<sup>a</sup> Johns Hopkins University includes Applied Physics Laboratory, with \$1,121,483 thousand in total R&D expenditures in FY 2012.

TABLE 20. 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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<sup>b</sup> 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 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.