

TABLE 29. Nonfederally financed R&amp;D expenditures at universities and colleges, ranked by FY 2005 expenditures for the first 200 institutions: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
	All institutions	10,705,381	11,429,677	12,533,615	13,575,974	14,527,309	15,325,142	15,608,941	16,583,285
1	U. WI Madison	203,182	250,476	275,732	300,134	317,098	320,813	329,452	320,517
2	U. CA, Los Angeles	213,362	225,621	256,664	380,943	420,836	428,183	311,424	315,736
3	U. CA, San Francisco	160,340	183,914	194,135	247,486	269,572	299,746	309,377	315,456
4	OH State U. all campuses	177,341	187,594	229,180	229,560	254,504	297,950	233,413	314,870
5	U. CA, Davis	174,778	183,487	223,049	277,459	280,009	273,818	289,820	306,975
6	U. FL	168,352	182,151	193,318	212,471	219,208	234,776	225,248	299,035
7	PA State U. all campuses	176,369	180,297	201,501	212,115	208,033	232,333	252,143	267,195
8	TX A&M U. all campuses	248,782	253,052	247,629	257,659	273,193	279,116	283,104	266,812
9	U. CA, Berkeley	248,679	260,514	310,176	238,193	257,449	268,980	256,768	263,591
10	U. CA, San Diego	155,687	169,625	192,522	213,257	225,625	246,408	243,061	257,089
11	U. MI all campuses	185,311	174,393	187,523	204,406	229,469	263,236	247,787	254,371
12	Duke U.	109,856	161,517	152,445	157,024	180,177	213,327	172,975	254,184
13	Cornell U. all campuses	159,324	160,760	180,521	203,362	225,545	233,892	236,447	241,110
14	U. AZ	140,329	142,119	157,929	167,644	179,055	195,867	194,724	237,422
15	U. MN all campuses	155,582	163,623	181,422	197,722	198,964	215,291	218,593	229,102
16	LA State U. all campuses	141,838	149,977	162,226	174,286	189,435	215,303	229,465	228,504
17	U. TX M. D. Anderson Cancer Ctr.	78,186	85,713	100,324	118,693	144,512	192,300	202,505	222,827
18	Purdue U. all campuses	123,635	130,703	142,526	156,766	178,301	180,277	221,689	214,635
19	U. GA	163,233	181,413	195,798	205,385	206,574	205,864	216,812	213,840
20	U. IL Urbana-Champaign	158,016	172,480	179,534	195,547	212,851	227,094	230,145	209,726
21	U. NE all campuses	112,792 i	133,141 i	132,478	154,732	165,220	179,797	183,717	203,910
22	NC State U.	174,721	190,103	187,221	203,384	198,037	189,868	189,134	193,468
23	U. PA	85,563	104,556	117,955	117,856	124,682	149,004	161,413	189,698
24	GA Institute of Technology all campuses	145,590	150,864	178,347	162,697	174,667	160,608	173,316	180,256
25	VA Polytechnic Institute and State U.	84,384	93,864	121,545	138,939	149,584	149,664	173,083	180,152
26	MI State U.	112,465	118,077	141,324	153,587	167,192	187,590	181,965	177,274
27	U. MD Baltimore	65,284	56,387	133,134	139,916	149,805	171,115	176,072	175,126
28	Rutgers, The State U. NJ all campuses	127,224	138,174	145,557	159,637	167,624	168,722	167,879	171,922
29	Johns Hopkins U., The <sup>a</sup>	100,637	103,938	107,890	119,505	117,725	137,161	145,588	166,500
30	U. KY all campuses	100,586	107,850	128,534	125,482	135,849	152,059	167,723	163,859
31	Baylor C. of Medicine	105,918	131,087	140,926	147,067	152,449	158,999	163,406	158,056
32	U. TX Austin	79,761	93,209	93,922	99,920	101,808	111,858	108,605	156,452
33	SUNY Albany	16,674	18,036	20,733	23,448	26,996	44,617	109,265	155,767
34	Northwestern U.	95,324	101,162	95,536	99,804	103,547	119,406	128,354	143,129
35	U. MD College Park	93,992	112,547	115,824	121,868	130,885	138,693	144,705	142,640

TABLE 29. Nonfederally financed R&amp;D expenditures at universities and colleges, ranked by FY 2005 expenditures for the first 200 institutions: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
36	Stanford U.	67,883	72,602	90,739	98,438	111,854	119,687	129,379	140,222
37	IN U. all campuses	75,914	92,528	120,160	143,118	166,321	184,044	217,255	135,609
38	U. TN all campuses	80,901	88,743	91,631	83,287	99,917	116,903	119,403	134,695
39	Washington U. St. Louis	82,377	97,008	108,068	121,714	113,519	116,964	118,522	131,147
40	U. MO-Columbia	90,613	95,127	93,441	106,347	99,269	121,001	127,246	124,680
41	MA Institute of Technology	102,357	111,385	119,631	131,176	116,377	129,558	115,896	123,507
42	U. NC Chapel Hill	63,791	69,832	74,278	81,961	116,235	109,864	112,523	120,739
43	U. IL Chicago	77,942	88,687	93,896	107,989	116,669	123,444	119,943	120,116
44	U. TX Southwestern Medical Ctr. Dallas	56,511	63,524	80,051	90,556	108,700	99,496	113,515	118,743
45	Clemson U.	61,951	72,277	83,599	75,325	87,666	90,434	97,520	118,298
46	U. IA	83,751	84,497	96,180	100,099	108,065	94,775	103,049	117,790
47	U. South FL	68,395	81,956	94,840	112,724	113,786	107,147	113,115	116,638
48	SUNY Buffalo all campuses	75,613	81,333	91,282	90,234	105,583	110,386	115,087	115,381
49	U. CA, Irvine	63,813	66,337	70,163	78,131	93,921	100,783	106,029	115,239
50	U. Southern CA	78,259	81,122	89,573	94,390	105,752	113,904	114,076	114,910
51	Rockefeller U.	71,649	76,509	78,927	90,209	99,044	116,840	109,687	113,167
52	IA State U.	105,570	107,122	115,582	117,172	117,245	117,269	119,761	111,540
53	Case Western Reserve U.	44,056	42,154	42,471	39,401	37,154	45,222	36,275	111,133
54	Wayne State U.	80,810	89,222	92,494	96,536	103,097	111,679	110,775	105,750
55	WA State U.	50,912	52,333	56,355	59,277	85,724	104,528	96,791	102,455
56	U. WA	95,900	114,547	139,720	154,523	140,214	119,212	88,758	101,202
57	Yale U.	57,634	60,646	64,687	70,812	79,939	90,931	91,991	98,916
58	U. CA Office of the President	NA	NA	NA	NA	NA	NA	90,030	96,726
59	U. of Medicine and Dentistry NJ	54,663	64,547	65,633	76,363	87,921	85,268	87,322	96,539
60	MS State U.	58,406	64,368	78,695	81,446	81,131	86,085	109,147	95,360
61	U. Pittsburgh all campuses	45,331	54,859	66,654	80,221	93,287	64,059	67,249	90,662
62	U. Rochester	43,844	44,274	46,742	67,316	66,303	77,620	81,110	87,840
63	SUNY Stony Brook all campuses	50,235	55,045	66,666	75,222	75,923	87,878	90,423	86,508
64	U. OK all campuses	72,410	84,496	90,360	88,431	99,985	99,148	77,530	85,887
65	U. CT all campuses	81,259	79,490	94,940	94,353	78,677	78,687	83,627	85,635
66	NY U.	55,026	56,055	65,042	60,825	72,983	75,560	77,892	84,416
67	U. Cincinnati all campuses	69,388	52,677	61,610	64,846	66,486	68,840	81,361	83,382
68	Princeton U.	46,991	51,263	60,194	70,791	66,684	75,940	76,938	82,338
69	Columbia U. in the City of NY	37,284	39,429	36,530	36,569	48,654	52,140	61,908	82,236
70	CO State U.	59,728	58,338	50,850	59,836	66,195	69,903	52,812	81,966
71	Auburn U. all campuses	60,062	53,486	61,097	66,250	66,343	71,626	76,140	80,884
72	U. KS all campuses	66,548	75,480	79,720	81,973	89,468	80,136	79,272	79,337
73	U. UT	42,234	42,127	63,317	70,344	74,082	71,627	69,027	76,039
74	AZ State U. main campus	50,660	53,279	58,182	62,147	58,609	73,850	72,287	72,378
75	OR State U.	55,824	57,636	60,353	69,071	70,052	67,132	66,010	71,279

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Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
76	U. CA, Riverside	56,776	55,827	62,495	68,742	79,631	72,059	69,646	69,302
77	Vanderbilt U.	28,889	32,788	41,940	40,274	35,447	54,095	56,851	68,739
78	Medical U. SC	21,467	24,822	23,811	56,144	56,227	57,658	59,685	68,513
79	U. CO all campuses	82,861	73,932 e	53,241 i	56,829	59,352	58,820	68,006	67,701
80	FL State U.	44,012	42,007	48,265	56,742	63,895	64,292	65,165	67,111
81	Emory U.	54,839	56,354	61,156	66,680	85,155	94,969	68,437	66,797
82	Scripps Research Institute, The	NA	NA	NA	NA	NA	NA	70,921	65,665
83	U. AR main campus	55,530	45,734	50,039	55,131	55,475	55,206	57,830	64,642
84	KS State U.	54,232	57,478	60,605	60,032	62,816	59,420	63,218	64,577
85	OK State U. all campuses	48,246	59,929	63,515	64,675	63,887	65,331	60,570	62,799
86	U. Central FL	22,028	26,418	33,845	56,945	36,422	42,131	59,241	62,689
87	U. Louisville	24,080	41,515	46,349	47,741	41,996	48,598	56,177	61,243
88	U. CA, Santa Barbara	27,354	30,535	37,400	39,544	53,425	60,708	59,077	61,059
89	U. MA Amherst	46,774	46,699	52,195	48,400	54,562	52,673	55,336	60,566
90	U. SC all campuses	50,199	57,345	52,526	57,990	69,705	58,366	49,815	57,117
91	U. TX Medical Branch	37,900	38,519	36,539	38,040	51,434	60,083	64,307	57,019
92	ND State U. all campuses	30,220	32,388	34,600	49,675	50,691	53,872	56,740	56,951
93	Dartmouth C.	19,911	22,781	22,505	39,252	39,584	49,761	50,157	56,765
94	U. WY	30,694	28,088	26,538	21,615	21,615 e	36,868	36,868 e	54,098
95	U. Miami	35,480	37,725	39,162	41,969	50,148	46,846	52,503	53,513
96	WV U.	37,377	37,128	38,117	41,871	35,591	44,162	47,183	52,909
97	Harvard U.	54,224	60,174	60,111	71,693	64,760	60,087	54,731	51,290
98	U. AK Fairbanks all campuses	44,101	54,178	55,895	54,908	50,110	56,309	56,943	49,851
99	OR Health & Science U.	27,228 i	24,774 i	22,321	25,114	28,498	32,957	48,228	49,542
100	U. NM all campuses	41,545	30,874	33,538	47,114	46,346	51,698	57,786	49,146
101	VA Commonwealth U.	32,371	31,610	36,083	41,865	44,591	45,250	43,773	48,783
102	U. Chicago	25,653	27,085	29,806	38,559	41,434	46,193	43,288	48,291
103	Brown U.	29,565	31,054	31,533	33,269	41,267	43,645	46,615	47,405
104	U. TX Health Science Ctr. San Antonio	30,403	30,900	38,573	44,001	45,855	46,621	47,377	47,250
105	U. ME	20,078	22,289	30,409	40,197	38,417	40,022	44,703	46,115
106	U. MA Worcester	29,184	27,524	33,375	31,768	38,737	39,741	42,928	45,669
107	Tulane U.	34,934	36,545	37,705	44,092	38,174	35,591	35,760	44,331
108	U. ID	40,615	38,268	38,333	40,948	43,293	42,352	44,681	43,797
109	U. Houston	20,279	22,927	27,537	29,691	28,252	30,899	26,494	43,469
110	Wake Forest U.	20,188	22,534	21,255	20,322	19,896	21,938	13,678	43,467
111	U. CA, Santa Cruz	26,652	27,818	30,253	35,052	38,066	40,235	41,101	43,316
112	NJ Institute of Technology	19,855	19,855	30,514	39,473	41,588	43,129	44,003	41,204
113	Medical C. WI	12,190	14,359	15,547	19,854	20,459	25,582	38,688	40,681
114	U. HI Manoa	61,121	63,392	65,881	59,260	50,941	35,705	49,333	40,514
115	Southern IL U. Carbondale	22,689	25,509	26,224	32,339	42,815	40,940	38,396	40,459

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116	TX A&M U. System Health Science Ctr.	na	na	11,415	22,475	27,219	28,302	33,887	40,213
117	U. TX Health Science Ctr. Houston	31,547	34,019	39,922	36,894	39,704	41,813	40,591	40,122
118	UT State U.	39,325	40,931	45,783	47,108	42,228	43,368	45,671	38,964
119	San Diego State U.	22,194	25,855	32,200	34,711	39,079	38,969	36,618	38,559
120	U. VA all campuses	39,962	23,282	24,732	26,679	29,982	32,757	40,411	38,335
121	MT State U. Bozeman	28,310	29,244	34,760	34,736	38,225	38,220	38,822	37,861
122	U. VT	26,372	27,964	23,530	26,787	30,322	34,162	35,105	35,814
123	U. DE	36,208	38,893	36,995	35,661	36,974	31,213	33,402	35,618
124	U. NV, Reno	25,093	23,352	29,981	27,843	26,763	32,797	32,765	35,250
125	U. Memphis, The	16,637	17,916	16,204	18,433	19,553	23,743	30,042	34,836
126	Yeshiva U.	19,000	22,091	37,987	40,430	42,856	48,342	31,733	34,750
127	TX Tech U.	35,645	38,246	44,783	46,951	54,583	60,739	34,411	34,552
128	Rush U.	26,833	29,838	35,616	32,918	34,638	39,362	37,548	34,543
129	NM State U. all campuses	20,783	23,002	22,622	25,839	32,764	33,245	16,933	34,180
130	Mt. Sinai School of Medicine	39,453	43,141	51,658	67,602	59,356	51,134	27,537	33,967
131	Tufts U.	30,963	38,036	41,106	34,137	36,055	33,667	33,435	32,828
132	U. AR for Medical Sciences	17,630	17,674	19,112	17,702	17,555	21,996	20,814	32,463
133	U. AL Birmingham, The	60,890	66,892	58,152	37,077	38,832	39,280	49,286	30,102
134	U. NH	26,446	27,027	33,187	42,656	42,393	36,952	36,018	29,725
135	Temple U.	34,231	24,206	14,253	18,539	19,273	20,018	25,599	29,075
136	George Washington U.	29,409	16,813	19,673	22,048	27,559	23,495	25,281	28,936
137	Uniformed Services U. of the Health Sciences	12,762	13,202	12,964	13,142	18,336	21,077	27,591	28,678
138	U. LA Lafayette	18,934	21,305	20,528	19,943	34,871	29,314	39,368	28,461
139	U. MD Ctr. for Environmental Science	16,598	18,700	20,800	24,530	25,421	25,690	25,807	27,169
140	Northeastern U.	4,931	7,433	8,424	10,935	14,245	16,036	16,624	26,990
141	Carnegie Mellon U.	42,404	51,766	46,789	47,419	50,224	28,768	32,291	26,395
142	NM Institute of Mining and Technology	13,832	15,342	14,984	15,137	17,445	21,752	24,623	25,877 i
143	Drexel U.	8,674	9,483	10,584	7,539	14,233	20,277	21,157	25,443
144	Medical C. GA	26,679	27,112	30,386	31,075	28,388	28,118	22,967	25,368
145	FL International U.	3,637	9,304	14,353	20,351	15,597	11,315	15,632	25,350
146	GA State U.	19,869	22,213	24,510	25,385	25,597	23,435	19,570	25,058
147	U. MD Biotechnology Institute	20,072	17,261	18,789	24,885	26,972	25,151	23,289	24,859
148	U. MS all campuses	11,616	13,076 i	16,820	18,959 i	21,098 i	23,238	20,080	24,310
149	Georgetown U.	31,810	27,454	34,375	5,602	30,326	29,250	30,468	23,610
150	C. of William and Mary all campuses	14,869	19,430	20,268	20,541	21,851	21,982	23,371	23,248
151	Rensselaer Polytechnic Institute	16,786	16,231	15,207	19,116	19,465	18,482	20,256	23,233
152	U. TX Dallas	7,096	8,328	8,635	8,635 e	14,574	16,218	15,541	23,178
153	Wichita State U.	10,471	11,295	10,985	10,416	12,155	11,782	18,152	23,137
154	Old Dominion U.	7,804	9,324	10,150	9,379	12,053	11,442	13,442	22,543
155	OH U. all campuses	11,146	10,893	12,072	14,248	18,924	17,121	17,873	22,493

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156	Thomas Jefferson U.	17,732	22,041	22,178	24,055	23,757	23,735	19,782	21,217
157	MI Technological U.	12,584	11,967	10,554	11,993	12,032	12,597	16,935	20,428
158	U. of Notre Dame	5,820	6,869	7,162	16,295	19,086	18,583	25,605	20,194
159	Southern IL U. Edwardsville	722	1,169	1,144	959	12,630	15,760	18,144	19,840
160	Wright State U. all campuses	8,844	10,766	16,549	16,616	14,892	16,127	17,453	19,801
161	U. MT, The	8,385	9,745	11,212	14,341	16,755	16,342	16,600	18,252
162	SD State U.	9,819	9,513	9,336	11,261	10,970	16,211	17,515	18,128
163	U. RI	4,632	8,245	9,597	7,674	7,894	9,876	12,357	18,120
164	Boston U.	25,626	17,712	20,299	21,260	21,174	20,894	21,813	17,678
165	U. WI Milwaukee	11,871	12,135	11,585	12,403	13,472	13,555	14,598	16,855
166	U. Toledo	6,146	6,137	7,382	9,577	15,829	13,195	14,479	16,830
167	Woods Hole Oceanographic Institution	10,246	12,188	14,511	15,359	21,506	19,813	13,631	16,770
168	U. Akron all campuses	12,284	9,139	12,414	13,594	18,543	18,605	17,204	16,642
169	U. MO-Rolla	13,806	17,162	16,164	16,870	16,473	17,857	21,024	16,565
170	CA Institute of Technology	7,318	16,913	25,789	21,531	20,060	21,567	16,911	15,993
171	Lehigh U.	13,096	14,741	12,780	15,097	9,168	12,996	12,648	15,648
172	SUNY Binghamton	14,549	12,237	12,342	12,600	12,384	14,109	14,991	15,275
173	U. MD Baltimore County	5,537	6,230	5,800	5,946	6,947	8,742	11,855	15,090
174	Syracuse U. all campuses	8,122	9,590	10,443	12,440	13,166	14,287	15,114	15,075
175	U. ND all campuses	3,534	3,384	3,463	3,949	8,969	13,467	13,246	14,706
176	CUNY Hunter C.	7,083	8,408	6,397	9,042	11,332	15,657	16,095	14,480
177	Brandeis U.	16,491	18,882	21,214	22,787	18,116	17,119	13,457	14,348
178	Creighton U.	10,915	11,086	10,300	10,399	12,388	14,703	11,706	14,339
179	U.S. Air Force Academy	130	62	46	314	17,426	14,599	14,259	14,273
180	U. MO-Kansas City	6,676	7,125	12,157	10,619	13,265	16,872	16,272	13,820
181	Boston C.	4,996	7,234	11,094	10,645	8,927	9,251	9,251 e	13,787
182	Eastern VA Medical School	12,223	12,742	11,185	14,861	15,495	17,370	16,268	13,752
183	U. NV, Las Vegas	7,199	9,922	10,400	11,327	8,160	9,694	17,416	12,401
184	U. AL Huntsville, The	13,174	15,037	15,335	13,106	12,693	11,037	9,652	12,243
185	TX Tech U. Health Science Ctr.	NA	NA	NA	NA	NA	NA	12,223	11,967
186	U. MA Boston	8,331	8,181	8,680	9,126	8,284	10,214	10,048	11,822
187	San Jose State U.	9,180 e	9,180 e	9,180 e	8,408	9,226	9,388	8,905	11,726
188	SUNY Upstate Medical U.	7,602	7,210	8,634	8,479	8,922	9,279	9,440	11,656
189	U. TX El Paso	3,334	3,669	4,461	5,722	7,227	9,069	8,540	11,447
190	FL Atlantic U.	4,683	6,115	7,176	11,012	8,429	8,429	9,105	11,432
191	U. TX Arlington	7,781	5,361	5,617	8,073	7,249	7,218	8,505	11,317
192	San Francisco State U.	1,390 i	1,370 e	662 e	662 e	1	6,411	5,847	11,198
193	CO School of Mines	11,987	11,011	9,800	11,340	13,285	12,848	10,537	10,998
194	LA Tech U.	5,372	5,372 e	7,593	7,744	8,623	8,942	11,400	10,496
195	Portland State U.	3,626	4,627	5,277	5,497	5,769	8,157	8,157 e	10,360

TABLE 29. Nonfederally financed R&D expenditures at universities and colleges, ranked by FY 2005 expenditures for the first 200 institutions: FY 1998–2005

(Dollars in thousands)

Rank	Institution	1998	1999	2000	2001	2002	2003	2004	2005
196	U. AL, The	9,026	11,308	12,361	10,950	10,230	7,946	9,803	10,138
197	Miami U. all campuses	4,051	7,662	8,000	9,480	9,258	9,415	10,245	10,012
198	Loyola U. Chicago	16,556	11,413	9,339	10,682	9,929	9,474	6,984	9,967
199	U. NC Wilmington	3,110	3,216	2,523	3,065	4,618	3,805	4,430	9,952
200	Air Force Institute of Technology	2,012	2,776	2,400	6,640	6,634	6,036	8,337	9,732
	All other sampled institutions	589,523	596,806	598,617	622,524	682,557	711,752	674,046	663,572

e = estimated; data were not provided by institution, prior year data used or current-year estimates were reported; i = data point imputed; NA = not available; institution was not surveyed separately; na = not applicable; institution did not exist or did not exist as a separate entity.

<sup>a</sup> The Johns Hopkins University includes the Applied Physics Laboratory, with \$29 million in nonfederally financed R&D expenditures.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.