

Table 44. Total and federally financed higher education R&D expenditures in the biological and biomedical sciences, ranked by FY 2017 total: FYs 2014–17 (Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2014	2015	2016	2017	2014	2015	2016	2017
	All institutions	11,704,653	11,704,519	13,044,385	13,708,543	7,237,072	7,103,518	7,706,715	8,186,264
1	U. Pennsylvania	204,651	205,927	628,134	692,343	173,327	166,783	353,058	366,337
2	Harvard U.	361,784	374,276	421,924	479,595	216,485	224,751	252,430	286,092
3	Scripps Research Institute	386,231	384,161	364,670	354,582	292,268	274,097	242,489	250,090
4	Baylor C. of Medicine	259,527	265,837	289,513	319,076	168,217	162,697	168,295	191,895
5	U. Texas M. D. Anderson Cancer Center	309,169	309,488	300,708	309,987	63,669	67,107	66,392	71,042
6	Cornell U.	120,858	129,065	318,787	299,232	56,318	61,652	127,086	127,657
7	Washington U., Saint Louis	183,001	202,990	284,931	297,046	130,116	141,514	167,146	188,943
8	Johns Hopkins U. ^a	234,290 i	237,881 i	295,388 i	289,980 i	159,617	164,041	207,407	201,514
9	Rockefeller U.	286,882	290,734	301,692	285,108	70,990	70,078	68,848	75,193
10	Icahn School of Medicine at Mt. Sinai	235,642	257,362	263,875	275,705	128,934	143,248	144,627	159,892
11	U. Washington, Seattle	184,612	185,416	239,133	255,654	161,250	162,464	162,630	164,641
12	U. Pittsburgh, Pittsburgh	160,023	158,883	237,446	255,233	113,276	106,184	160,810	176,416
13	U. Michigan, Ann Arbor	192,013	195,419	194,016	216,493	121,351	123,966	131,607	149,399
14	Duke U.	223,392	206,433	203,682	207,819	150,962	142,625	145,848	161,533
15	U. California, Davis	150,801	163,319	187,520	200,810	79,613	90,731	109,479	121,310
16	U. Wisconsin-Madison	181,024	175,884	188,386	194,360	102,268	99,629	107,148	111,331
17	Stanford U.	221,633	218,071	177,611	185,054	163,080	162,803	138,698	142,966
18	Emory U.	187,546 i	166,315	170,421	184,693	125,815	134,836	135,191	145,302
19	Yale U.	171,674	167,143	178,645	177,565	118,250	109,176	108,838	113,117
20	Columbia U. in the City of New York	139,229	156,798	169,631	172,179	107,635	111,829	130,895	135,559
21	New York U.	140,418	141,763	152,076	166,380	99,308	101,942	102,690	110,917
22	Vanderbilt U. and Vanderbilt U. Medical Center	145,806	169,129	142,523	164,993	115,545	109,572	89,126	91,331
23	U. North Carolina, Chapel Hill	238,994	216,193	157,817	164,272	167,544	161,515	115,898	113,690
24	U. Georgia	113,734	121,426	127,916	158,302	58,072	60,349	65,356	71,127
25	U. Texas Southwestern Medical Center	185,672	168,489	171,996	156,544	70,424	68,609	70,584	72,552
26	U. Arizona	86,357	85,807	146,159	147,594	47,964	48,379	65,612	66,908
27	Oregon Health and Science U.	134,916	138,247	133,146	142,992	110,857	102,187	93,264	101,240
28	U. Kentucky	60,047	56,694	133,389	142,104	31,005	29,032	61,977	67,091
29	U. Texas Medical Branch	112,140	103,117	118,770	133,389	61,585	65,598	70,133	73,357
30	Northwestern U.	95,577	100,231	122,935	130,422	57,763	61,530	83,065	87,277
31	U. Florida	124,550	148,337	125,653	128,705	57,684	60,285	53,155	64,771
32	U. South Florida, Tampa	50,824	61,365	81,706	127,159	30,627	29,574	42,054	83,465
33	U. Southern California	39,078	45,111	119,227	126,927	25,773	27,332	78,016	84,469
34	U. Alabama, Birmingham	103,498	126,233	120,456	121,086	78,624	91,445	86,642	86,350
35	U. Iowa	92,446	91,361	110,542	118,976	57,526	55,338	62,807	69,717
36	Michigan State U.	101,260	100,011	99,995	113,371	54,250	50,059	52,238	53,661
37	North Carolina State U.	80,310	97,777	99,660	110,122	28,851	35,079	37,472	38,257
38	U. Maryland, Baltimore	124,909	113,646	107,515	107,248	83,295	73,350	68,600	66,594
39	U. Virginia, Charlottesville	60,672	59,596	94,071	105,312	37,522	40,192	65,188	67,457
40	U. Minnesota, Twin Cities	108,277	107,393	98,607	101,566	64,099	60,165	50,657	51,912
41	Tufts U.	77,389	76,067	74,507	100,615	53,999	54,367	52,539	66,217
42	Boston U.	61,289	65,116	64,422	99,214	40,792	45,295	45,155	70,724
43	Cold Spring Harbor Laboratory	76,733	84,653	88,943	97,288	41,845	49,063	50,478	54,260
44	U. Nebraska, Medical Center	65,380	75,112	83,955	93,538	36,340	38,034	42,245	50,964
45	Indiana U., Bloomington	32,574	86,230	92,372	92,024	20,226	54,579	60,462	62,204
46	Rutgers, State U. New Jersey, New Brunswick	61,931	56,845	53,168	90,391	29,245	22,594	13,400	53,185
47	Dartmouth C.	73,881	69,485	68,811	88,109	56,207	51,432	49,941	48,003
48	U. Massachusetts, Medical School	80,169	74,963	79,471	85,880	60,890	57,583	60,053	60,409
49	U. California, Berkeley	73,332	72,212	82,402	85,771	47,316	45,550	52,683	50,189
50	U. Chicago	86,487	90,646	81,325	83,892	73,620	76,000	67,444	65,117
51	Arizona State U.	65,571	62,464	70,498	82,329	43,791	38,658	43,349	49,705

Rank	University	2019	2020	2021	2022	2023	2024	2025	2026	2027
52	Pennsylvania State U., University Park and Hershey Medical Center	58,382	52,860	80,497	80,560	29,974	27,099	44,021	48,044	
53	California Institute of Technology	64,967	63,637	65,501	74,998	51,488	47,928	44,444	52,373	
54	SUNY, U. Buffalo	63,526	77,658	66,792	71,749	40,105	41,590	42,136	41,733	
55	U. Illinois, Chicago	60,009	57,638	56,968	70,453	40,817	38,536	35,388	42,491	
56	Case Western Reserve U.	69,752	75,932	65,390	70,184	55,095	56,888	49,537	55,415	
57	Iowa State U.	62,223	76,544	80,859	69,333	28,638	33,947	34,210	30,468	
58	Medical C. Wisconsin	51,783	48,977	62,706	68,694	39,281	37,574	41,347	44,317	
59	U. California, Irvine	81,482	78,549	74,111	68,604	54,400	48,420	47,371	43,321	
60	Massachusetts Institute of Technology	74,537	80,160	73,941	68,109	48,782	48,002	45,636	42,111	
61	Ohio State U.	66,147	61,757	62,719	66,212	46,638	41,249	43,228	44,585	
62	Princeton U.	46,685	41,457	63,535	65,824	29,092	27,170	37,244	42,586	
63	Medical U. South Carolina	75,014	69,204	67,826	65,344	42,875	39,152	40,893	47,000	
64	U. Connecticut	78,795	68,185	66,416	62,173	49,793	40,945	40,151	40,486	
65	U. Kansas	72,547	72,257	61,766	61,354	40,602	39,821	34,550	35,819	
66	U. Texas Health Science Center, San Antonio	47,551	49,859	61,934	60,530	32,256	34,310	37,297	37,617	
67	Louisiana State U., Baton Rouge	82,220	76,574	61,824	58,712	40,250	35,513	30,584	31,986	
68	U. Illinois, Urbana-Champaign	65,387	69,710	57,616	58,090	36,740	36,040	32,154	35,060	
69	U. Missouri, Columbia	17,499	19,416	54,692	57,615	10,786	12,296	38,706	39,761	
70	Thomas Jefferson U.	54,449	50,163	50,874	57,255	30,006	28,474	32,359	34,498	
71	Texas A&M U., College Station and Health Science Center	38,013	45,752	51,972	56,657	17,194	23,501	27,727	31,594	
72	U. Cincinnati	56,953	51,855	54,698	55,554	32,801	29,285	31,838	31,051	
73	U. California, Riverside	49,432	52,477	52,774	55,461	17,959	19,881	18,263	19,523	
74	U. Texas, Austin	47,925	45,654	46,835	53,273	29,404	28,621	30,736	31,905	
75	U. Louisville	41,033	48,316	52,938	52,018	22,093	30,181	32,949	33,426	
76	Virginia Polytechnic Institute and State U.	68,047	62,429	66,005	50,905	26,510	24,170	24,533	18,832	
77	U. Utah	56,591	52,034	65,171	50,471	44,909	38,409	52,512	33,572	
78	U. Texas Health Science Center, Houston	43,761	44,282	47,253	50,298	30,860	31,738	31,558	34,697	
79	U. Miami	38,632	38,271	50,655	49,565	27,951	27,661	38,068	36,999	
80	Temple U.	20,226	33,048	46,541	48,976	12,574	24,931	33,158	35,004	
81	U. Rochester	45,596	52,216	50,169	48,761	36,976	41,970	40,888	38,063	
82	Washington State U.	66,402	47,352	51,099	47,331	29,000	25,345	26,235	24,797	
83	George Washington U.	21,420	29,822	35,272	46,810	10,620	15,879	19,351	28,187	
84	Virginia Commonwealth U.	47,807	48,445	49,583	46,806	41,181	41,400	40,680	38,710	
85	Cleveland State U.	30,770	32,667	39,420	44,403	29,805	28,089	33,876	38,383	
86	U. California, San Diego	36,257	34,578	37,667	43,526	22,990	21,399	24,245	26,794	
87	Drexel U.	37,499	42,714	37,938	42,521	18,732	21,718	21,970	24,616	
88	U. Maryland, College Park	35,839	36,048	43,282	41,999	25,943	22,486	28,523	27,704	
89	SUNY, Stony Brook U.	53,623	37,878	39,876	39,739	29,049	26,725	27,480	28,481	
90	U. Arkansas for Medical Sciences	34,007	32,357	36,071	38,959	20,627	19,004	19,862	23,811	
91	U. Hawaii, Manoa	11,802	26,926	31,781	38,129	4,305	8,828	10,595	14,030	
92	Georgia State U.	19,898	12,425	27,757	37,858	8,747	4,348	12,440	21,888	
93	Augusta U.	43,567	15,223	19,371	37,664	34,021	10,120	11,327	24,157	
94	Oregon State U.	42,197	43,780	38,419	36,697	23,602	24,198	21,861	22,601	
95	U. Vermont	35,039	40,647	37,961	36,633	27,741	31,130	30,832	27,555	
96	Brown U.	43,137	45,293	30,653	35,578	19,835	21,092	24,791	27,833	
97	U. Oklahoma, Norman and Health Science Center	44,849	40,209	38,754	34,748	26,601	25,586	22,779	20,497	
98	U. California, Los Angeles	26,926	27,332	30,768	33,896	17,868	19,651	21,999	23,161	
99	U. Nevada, Reno	22,424	16,173	31,485	33,058	14,279	11,920	21,025	21,855	
100	Colorado State U., Fort Collins	35,960	34,971	31,336	32,767	26,918	26,718	22,102	23,005	
101	Oklahoma State U., Stillwater	30,991	41,366	23,925	32,697	8,455	16,213	8,863	13,128	
102	U. New Mexico	31,355	31,246	30,787	30,906	25,066	24,952	25,016	24,975	
103	U. Oregon	12,665	13,477	13,906	30,835	10,050	11,378	11,086	26,838	
104	Wayne State U.	25,866	28,973	29,191	30,522	13,630	16,007	16,596	19,562	
105	SUNY, Downstate Medical Center	17,574	8,064	33,160	30,512	12,354	6,173	25,412	21,135	
106	Brandeis U.	29,662	30,606	25,824	30,140	20,662	21,915	22,475	23,702	
107	Tulane U.	28,066	26,213	27,277	29,322	18,809	17,668	17,158	17,957	
108	U. Nebraska, Lincoln	52,484	54,770	31,744	29,240	21,237	22,889	12,133	11,764	
109	Florida International U.	16,108	20,155	24,241	28,504	12,542	13,955	13,949	14,755	
110	SUNY, U. Albany	94,774	72,869	68,290	27,561	83,748	60,060	48,456	17,894	
111	U. Notre Dame	24,455	26,557	27,440	26,895	42,220	44,872	44,548	44,727	

111	U. Notre Dame	24,400	20,391	27,149	20,605	12,330	11,912	11,010	11,737
112	U. Colorado Boulder	19,503	19,044	20,691	25,393	13,879	13,606	16,728	22,374
113	U. California, Santa Barbara	28,090	24,093	22,727	24,818	13,402	9,047	9,478	12,183
114	Van Andel Research Institute	ne	13,654 i	21,155 i	23,406 i	ne	3,064 i	11,970	13,108
115	Kansas State U.	45,657	43,571	24,269	23,382	18,750	17,326	11,234	10,468
116	Saint Louis U.	12,876	11,765	10,423	23,356	9,942	8,339	7,434	13,022
117	U. California, Santa Cruz	19,937	20,559	20,791	22,706	15,386	16,119	15,593	16,353
118	U. Mississippi	19,022	19,191	19,809	22,258	14,697	14,424	14,657	15,689
119	Clemson U.	17,754	19,017	19,953	22,194	4,255	3,800	4,123	7,445
120	Florida State U.	22,793	20,380	20,812	21,527	17,212	14,254	11,281	11,630
121	U. Louisiana, Lafayette	32,519	25,272	29,698	20,954	4,014	2,820	2,951	7,461
122	U. Massachusetts, Amherst	22,885	20,002	22,306	20,051	13,059	11,562	12,441	11,801
123	U. North Texas, Health Science Center	32,760	26,402	23,922	19,505	16,205	12,576	11,578	9,036
124	U. North Dakota	12,464	14,853	10,706	18,794	9,498	10,827	7,292	9,381
125	Georgia Institute of Technology	14,118	14,652	16,862	18,607	7,187	7,480	8,531	11,173
126	U. Idaho	18,268	17,357	18,461	18,303	12,105	10,824	12,926	11,767
127	Louisiana State U., Health Sciences Center – New Orleans	19,524	17,620	17,667	18,285	15,553	14,288	13,862	14,104
128	Northern Arizona U.	9,166	10,880	13,086	18,223	7,598	8,152	8,461	10,799
129	U. Texas, El Paso	15,162	18,480	18,679	17,871	7,236	8,802	10,463	10,941
130	U. Montana, Missoula	17,750	17,938	15,401	17,620	10,741	10,745	10,892	12,275
131	West Virginia U.	17,808	17,226	13,837	17,397	10,251	8,793	9,242	9,973
132	Meharry Medical C.	18,997	13,998	14,768	16,782	17,754	13,068	13,528	15,613
133	U. California, San Francisco	42,509	15,170	18,481	16,654	33,083	9,244	9,899	9,497
134	U. Central Florida	7,736	11,967	15,675	16,560	4,388	7,280	6,957	7,933
135	Texas Tech U., Health Sciences Center	16,203	17,986	17,356	16,459	4,988	5,252	5,512	4,847
136	U. Texas, San Antonio	16,820	18,686	13,098	16,323	11,799	11,510	8,403	8,124
137	U. Tennessee, Health Science Center	18,539	17,790	16,851	16,311	16,573	15,007	13,891	12,981
138	Northeastern U.	17,662	17,708	17,856	15,712	11,551	11,996	11,552	10,692
139	Purdue U., West Lafayette	39,263	32,675	15,644	15,602	19,054	12,594	9,510	9,416
140	Rosalind Franklin U. of Medicine and Science	12,811	10,734	15,235	15,386	6,365	5,572	7,866	8,379
141	Montana State U., Bozeman	5,588	12,185	13,414	15,363	3,605	8,417	9,670	11,165
142	San Diego State U.	20,025	18,044	16,882	14,921	12,835	10,847	9,098	6,961
143	SUNY, Upstate Medical U.	8,793	8,873	13,658	14,802	5,838	6,109	7,581	8,696
144	U. South Dakota	14,888	11,257	11,515	14,733	8,307	5,834	6,174	8,956
145	U. Texas Health Science Center, Tyler	ne	12,191	11,154	14,555	ne	3,713	3,112	4,055
146	Albany Medical C.	12,333	13,004	13,860	14,380	9,257	9,299	10,459	10,800
147	Loyola U., Chicago	14,310	13,142	14,687	14,148	10,272	8,494	9,462	9,567
148	Rush U.	18,793	15,593	14,507	13,966	14,897	12,433	13,082	12,924
149	Georgetown U.	10,014	10,807	11,495	13,729	7,868	8,175	8,294	10,634
150	Rice U.	11,516	11,821	13,400	13,593	7,022	7,483	7,727	7,686
151	Boston C.	7,751	6,659	9,969	12,967	5,705	4,773	7,630	10,875
152	George Mason U.	1,631	5,024	11,866	12,803	903	2,711	7,979	9,380
153	U. Tennessee, Knoxville	14,419	12,315	13,244	12,741	8,662	8,273	8,919	8,029
154	Texas Tech U.	5,995	7,387	10,796	12,609	1,086	1,283	1,602	1,919
155	U. South Carolina, Columbia	35,346	34,882	35,866	12,560	8,096	7,212	8,225	6,951
156	Alabama A&M U.	11,702 i	11,617 i	12,011 i	12,539 i	9,404 i	9,388 i	9,600 i	9,947 i
157	Rutgers, State U. New Jersey, Newark	4,561	3,193	947	12,005	2,752	2,214	924	8,700
158	U. Alaska, Fairbanks	10,983	11,188	7,522	11,550	7,252	8,790	5,628	8,263
159	U. Houston	8,898	10,502	12,399	11,012	3,027	3,813	3,751	4,524
160	San Francisco State U.	8,316	9,720	10,271	10,859	4,930	5,875	6,399	7,552
161	SUNY, C. of Environmental Science and Forestry	6,628 i	6,728	11,279	10,706	2,419 i	2,268	3,249	3,009
162	Auburn U., Auburn	6,732	6,975	12,248	10,317	3,882	3,518	3,802	4,538
163	Florida Atlantic U.	4,443	6,756	7,504	9,984	1,617	2,141	2,240	2,111
164	Carnegie Mellon U.	9,040	8,790	8,949	9,979	6,981	6,358	5,962	5,412
165	U. Maine	10,455	8,633	7,547	9,747	5,606	4,344	3,612	3,405
166	CUNY, Hunter C.	14,359	13,574	13,342	9,019	7,191	7,011	6,814	5,269
167	U. Wyoming	8,101	7,477	6,858	8,749	6,906	6,671	6,019	6,420
168	Ohio U.	4,101 i	3,745 i	10,954 i	8,720 i	1,499	1,273	2,224	2,102
169	U. North Texas, Denton	8,893	8,527	9,847	8,539	2,962	3,028	3,033	2,254
170	Loma Linda U.	3,185	2,545	9,815	8,480	2,300	1,899	7,418	7,923
171	Wright State U.	2,865	2,571	2,862	8,205	1,468	1,127	1,319	5,356

172	New Mexico State U.	6,874	7,500	8,532	8,115	6,086	6,549	7,333	6,828
173	Louisiana State U., Health Sciences Center - Shreveport	9,676	7,229	7,424	7,891	7,091	4,525	4,638	5,483
174	Illinois Institute of Technology	6,695	7,152	7,013	7,736	5,658	6,041	6,218	7,078
175	U. Southern Mississippi	5,496	5,965	7,101	7,222	3,936	5,014	4,600	4,664
176	Boise State U.	3,288	5,661	5,916	7,170	2,205	4,119	4,484	4,940
177	East Carolina U.	9,389	9,003	11,050	7,088	5,942	6,091	7,277	4,744
178	Creighton U.	7,041 i	6,453 i	6,947 i	7,070 i	3,436 i	2,782 i	3,359 i	2,514 i
179	Syracuse U.	5,674	5,687	5,244	6,850	3,400	3,850	3,550	3,815
180	Northeast Ohio Medical U.	3,426	3,412	5,340	6,719	2,065	2,119	3,358	4,842
181	U. Rhode Island	6,027	4,392	8,640	6,667	5,229	3,431	7,427	5,914
182	Mississippi State U.	6,110	5,947	6,856	6,643	3,688	3,716	4,073	3,982
183	Eastern Virginia Medical School	5,721	5,198	5,881	6,490	2,673	3,157	4,254	4,586
184	Southern Illinois U., Carbondale	5,238	5,419	5,971	6,467	2,216	1,765	2,345	2,649
185	U. New Hampshire	9,266	8,202	5,267	6,263	5,084	3,500	2,803	3,208
186	SUNY, Binghamton U.	5,014	4,875	6,097	6,245	1,239	634	714	862
187	CUNY, City C.	6,851	5,907	8,368	6,150	5,812	4,954	5,899	5,403
188	Old Dominion U.	6,031	5,040	5,387	6,057	1,299	1,160	916	1,498
189	New York Medical C.	8,250	6,978	6,711	5,983 i	5,297	4,853	4,616	3,857 i
190	Brigham Young U., Provo	4,443	4,051	4,701	5,910	2,981	3,239	3,855	3,156
191	U. Arkansas, Fayetteville	2,217	2,596	4,724	5,819	1,311	1,444	1,368	1,776
192	U. Texas, Arlington	2,986	2,195	2,478	5,789	1,185	554	474	1,071
193	Marquette U.	1,657	1,515	5,379	5,781	1,133	1,121	3,519	4,051
194	North Carolina Central U.	6,364	5,539	5,032	5,721	5,784	5,159	4,418	4,774
195	U. Missouri, Kansas City	3,361	2,008	7,610	5,678	1,339	788	6,372	4,527
196	Midwestern U.	5,703	5,991	4,568	5,565	488	494	842	908
197	Clark Atlanta U.	5,529	6,718	6,206	5,536	4,143	4,812	4,149	3,881
198	Rensselaer Polytechnic Institute	5,584	5,598	4,093	5,448	2,346	2,101	2,256	2,812
199	Indiana U.-Purdue U., Indianapolis	57,625	5,676	8,058	5,364	39,044	3,140	5,545	2,690
200	U. Toledo	11,304	8,460	7,549	5,344	9,506	7,203	5,639	4,118
201	Texas State U.	3,965	5,252	5,624	5,261	1,283	1,237	1,353	973
202	Uniformed Services U. of the Health Sciences	90,440	55,232	12,205	4,968	73,359	43,147	8,106	3,028
203	U. Alaska, Anchorage	3,114	3,033	3,114	4,960	2,017	1,708	2,384	3,465
204	Utah State U.	9,141	10,453	6,003	4,886	2,796	3,763	2,570	1,799
205	U. California, Merced	5,309	5,407	4,598	4,809	2,595	2,500	1,939	1,307
206	U. Tennessee, Knoxville, Institute of Agriculture	5,550	4,927	4,572	4,658	1,727	1,480	1,160	2,316
207	Western Michigan U. and Homer Stryker M.D. School of Medicine	1,455	1,780	1,103	4,592	1,010	1,084	641	1,299
208	U. Texas, Dallas	3,244	2,310	3,967	4,517	1,104	1,358	1,690	2,016
209	Miami U.	4,289	2,961	5,118	4,484	3,031	2,220	4,171	3,386
210	U. North Carolina, Wilmington	4,503	4,333	3,985	4,148	1,557	1,482	1,367	1,712
211	Western U. of Health Sciences	1,883	1,487	2,899	4,125	1,226	713	2,033	2,501
212	U. Memphis	2,715	2,379	2,216	4,104	769	787	713	1,858
213	East Tennessee State U.	3,020	3,056	3,649	4,032	2,225	2,546	3,390	3,902
214	Marshall U.	3,172	4,548	6,201	3,978	1,572	2,465	3,955	2,449
215	Texas Tech U., Health Sciences Center, El Paso	6,843	4,342	5,624	3,977	2,105	1,385	1,366	954
216	U. Delaware	4,269	4,399	4,156	3,952	2,290	2,654	2,603	2,505
217	Howard U.	2,070	3,656	1,439	3,701	1,709	3,087	806	1,735
218	Arkansas State U., Jonesboro	4,553	4,639	3,880	3,676	1,590	1,858	1,832	1,546
219	U. New England	2,417	2,389	2,412	3,636	2,166	2,294	2,075	2,823
220	Kennesaw State U.	834	479	546	3,555	674	448	499	528
221	U. Puerto Rico, Rio Piedras	6,347	3,856	3,393	3,499	5,030	3,144	2,625	1,872
222	Central Michigan U.	4,320	3,066	3,715	3,498	3,481	2,478	2,815	2,661
222	U. Maryland, Baltimore County	11,252	11,710	3,748	3,498	3,453	2,448	1,924	2,419
224	Kent State U.	4,220	4,128	2,903	3,448	1,553	1,756	919	1,173
225	Delaware State U.	2,416	3,171	3,133	3,438	1,547	2,949	2,309	2,215
226	U. Massachusetts, Lowell	1,837	1,896	1,633	3,420	1,134	856	671	2,378
227	U. Alabama, Tuscaloosa	2,895	3,343	3,249	3,406	2,046	1,912	1,633	1,481
228	U. Massachusetts, Boston	2,913	3,305	3,226	3,242	1,851	2,188	2,017	2,328
229	SUNY, Polytechnic Institute	3,702	3,658	3,986	3,218	2,199	2,185	3,165	2,675
230	North Dakota State U.	3,386	3,086	3,064	3,207	998	841	1,114	1,148
231	Claremont Graduate U.	0 i	0 i	3,096 i	3,197 i	0 i	0 i	2,471 i	2,522 i

232	U. Texas Rio Grande Valley	na	na	3,428	3,071	na	na	2,702	2,606
233	South Dakota State U.	2,950	2,864	3,274	3,063	1,197	1,141	1,041	1,107
234	Baylor U.	1,957	2,241	2,294	3,037	459	486	392	530
235	Memorial Sloan Kettering Cancer Center, Louis V. Gerstner Jr. Graduate S. of Biomedical Sciences	2,901	2,534	2,764	2,973	488	167	539	162
236	Colorado School of Mines	0	0	0	2,966	0	0	0	2,331
237	Duquesne U.	1,965	2,756	3,193	2,959	360	592	890	828
238	Michigan Technological U.	1,463	1,693	2,425	2,912	373	735	979	1,471
239	Morgan State U.	641	704	3,654	2,900	590	652	3,654	2,900
240	U. North Carolina, Greensboro	3,913	3,771	3,062	2,745	2,771	2,677	2,024	1,874
241	U. Denver	1,394	936	2,179	2,711	1,006	617	524	1,227
242	New Jersey Institute of Technology	1,053	2,616	1,797	2,671	517	959	222	834
243	U. Nevada, Las Vegas	3,350	3,352	2,508	2,597	2,683	2,203	1,823	1,758
244	U. Missouri, Saint Louis	2,526	2,058	3,249	2,402	1,626	1,102	1,253	1,227
245	Texas A&M U. -Corpus Christi	1,341	2,923	2,086	2,400	440	1,209	1,140	1,558
246	Albany C. of Pharmacy and Health Sciences	2,201	1,643	1,648	2,393	840	895	352	508
247	California State U., Northridge	2,280	2,002	2,502	2,390	1,468	1,312	1,283	1,582
248	Fordham U.	2,393	2,021	2,400	2,353	1,044	729	1,166	1,285
249	Lehigh U.	2,095	2,091	1,258	2,335	1,304	1,043	666	1,269
250	California State U., San Marcos	3,070	2,101	1,895	2,334	2,228	1,492	1,686	2,241
251	Portland State U.	1,822	2,226	2,333	2,280	1,662	1,827	2,100	1,986
252	Touro U., Vallejo	2,097	1,888	2,363	2,255	404	114	96	329
253	Alabama State U.	2,236	2,303	2,372	2,253	2,236	2,303	2,372	2,253
254	U. Detroit Mercy	10	701	2,471	2,229	6	596	2,459	2,185
255	Wesleyan U.	2,522	2,552	2,223	2,142	1,535	1,475	786	966
256	California State U., Monterey Bay	2,120	2,295	2,385	2,121	2,119	2,294	2,375	2,082
257	Texas Southern U.	706	1,453	2,221	2,104	669	1,440	2,081	2,015
258	U. Colorado Denver and Anschutz Medical Campus	44,434	42,751	43,595	2,100	39,376	42,656	36,873	1,892
259	Western Kentucky U.	1,208	1,089	1,530	2,084	559	659	1,005	1,261
260	Gallaudet U.	484	337	116	2,079	406	262	17	118
261	U. Massachusetts, Dartmouth	2,219	1,886	2,217	2,074	639	603	821	844
262	Idaho State U.	2,243	2,436	2,695	2,070	1,304	1,688	1,695	1,238
263	U. West Florida	1,077	937	1,551	2,066	252	273	223	241
263	Villanova U.	1,596	1,428	1,923	2,066	892	795	922	816
265	Wake Forest U.	1,222	1,117	902	2,057	1,060	1,025	829	1,830
266	Smith C.	1,389	2,058	1,987	2,016	901	1,101	964	1,298
267	Rowan U.	1,487	1,672	2,136	1,960	1,363	941	1,518	1,879
268	Murray State U.	1,448	1,670	1,650	1,943	395	501	440	961
269	C. of William and Mary and Virginia Institute of Marine Science	2,239	2,467	1,672	1,941	1,149	1,430	1,202	1,373
270	Geisinger Commonwealth School of Medicine	2,209	1,872	1,883	1,919	360	116	71	70
271	U. North Carolina, Charlotte	1,623	1,497	1,473	1,902	1,474	1,258	1,334	1,758
272	Worcester Polytechnic Institute	562	827	1,214	1,873	245	468	479	932
273	Illinois State U.	1,379	1,509	1,392	1,853	1,192	1,406	1,254	1,547
274	U. Arkansas, Little Rock	1,224	822	1,180	1,761	955	682	869	1,558
275	Georgia Southern U.	2,207	1,793	1,714	1,749	803	416	238	147
276	Catholic U. of America	1,566	2,229	2,060	1,692	1,551	2,205	2,025	1,655
277	American U.	1,723	1,416	1,895	1,617	476	687	908	615
278	U. Wisconsin-Milwaukee	1,795	1,542	1,550	1,609	1,281	880	961	1,090
279	U. Hawaii, Hilo	1,717	2,222	1,951	1,597	1,694	1,998	1,791	1,237
280	Humboldt State U.	1,210	1,331	1,555	1,592	271	155	592	246
281	Middle Tennessee State U.	545	539	1,088	1,579	330	484	849	875
282	Salus U.	1,190	1,257	1,641	1,566	1,044	1,198	1,571	1,375
283	Florida Institute of Technology	1,979	2,352	2,724	1,564	1,628	2,066	1,997	1,238
284	Keck Graduate Institute	2,097	1,429	1,491	1,537	1,267	937	949	969
285	California State U., Long Beach	1,650	1,092	1,211	1,535	1,370	766	825	946
286	Oakland U.	2,087	1,819	2,596	1,511	1,168	969	1,112	1,109
287	U. Puerto Rico, Mayaguez	1,707	1,578	1,633	1,502	586	739	770	817
288	California State Polytechnic U., Pomona	1,962	1,052	1,641	1,501	756	141	669	792
289	C. Charleston	1,910	2,619	1,929	1,403	1,411	2,128	1,722	1,232
290	Jackson State U.	1,213	773	1,321	1,332	1,035	623	1,011	946

291	U. Maryland Center for Environmental Science	0	478	1,711	1,328	0	478	1,662	1,116
292	Wichita State U.	1,455	629	829	1,322	1,115	423	382	622
293	CUNY, Brooklyn C.	1,642	1,751	1,518	1,320	1,156	1,375	1,257	1,063
294	Texas A&M U.-Commerce	126	197	396	1,307	116	156	96	138
295	California State U., Fullerton	1,389	999	1,047	1,281	1,281	869	849	1,042
296	Appalachian State U.	1,459	1,410	842	1,244	299	418	404	508
297	U. Akron	2,086	2,042	1,541	1,175	789	797	504	286
298	U. Nebraska, Omaha	696	731	1,260	1,170	401	381	913	696
299	Saint Michael's C.	1,073	1,259	1,440	1,168	906	989	1,242	1,036
300	West Virginia State U.	1,362	1,633	889	1,167	1,230	1,297	809	1,087
301	Ball State U.	733	864	884	1,164	334	501	496	519
302	Texas A&M U.-Kingsville	671	1,127	1,175	1,144	443	834	944	872
303	St. John's U., New York	936	959	982	1,117	385	556	635	806
304	U. del Este	1,091	899	903	1,116	587	517	564	782
305	Bowdoin C.	1,380	1,349	1,292	1,110	1,017	1,047	977	948
306	U. Alabama, Huntsville	1,200	1,037	1,285	1,107	660	443	275	282
307	St. Cloud State U.	442	462	711	1,106	235	254	368	529
308	Bryn Mawr C.	907	1,042	820	1,105	130	326	222	382
309	U. Minnesota, Duluth	1,556	1,346	1,327	1,104	962	851	651	197
310	Des Moines U.	123	ne	787	1,098	114	ne	135	682
311	Southern Methodist U.	1,273	1,716	1,883	1,094	805	1,061	981	857
312	California State U., San Bernardino	940	983	938	1,089	379	360	297	369
312	Occidental C.	1,237	623	1,408	1,089	691	279	874	406
314	California State U., Fresno	1,308	1,212	1,255	1,086	1,092	1,066	985	1,055
315	U. Nebraska, Kearney	858	490	688	1,080	558	327	401	491
316	San Jose State U.	1,552	1,487	1,045	1,036	737	763	597	595
317	California State U., Stanislaus	535	924	964	1,027	274	150	153	289
318	North Carolina Agricultural and Technical State U.	756	521	557	969	539	379	393	788
319	Franklin and Marshall C.	637	976	625	962	190	375	254	688
319	U. Wisconsin-La Crosse	860	777	1,008	962	574	590	861	821
321	Connecticut C.	1,015	869	841	951	238	318	267	333
322	Chapman U.	384	448	811	938	131	373	801	600
323	CUNY, Medgar Evers C.	380	673	ne	928	242	471	ne	647
324	Tennessee State U.	1,230	858	1,057	909	1,176	813	1,023	787
325	U. of the Sciences Philadelphia	438	710	1,267	868	348	398	618	255
326	Wellesley C.	1,576	1,206	1,274	862	1,569	1,198	1,274	852
327	Seton Hall U.	688	736	825	850	688	736	825	850
328	U. Northern Colorado	633	617	805	831	403	368	465	359
329	Mount Holyoke C.	643	1,088	856	822	545	682	822	800
330	Western Illinois U.	277	330	ne	818	191	231	ne	602
331	Haverford C.	1,109 i	776 i	773 i	812 i	591	363	314	273
332	Fisk U.	900	2,595 i	2,737	810	900	2,595 i	2,737	810
333	Reed C.	1,134	1,449	1,770	803	366	860	1,162	354
333	Xavier U. Louisiana	1,104	1,300	1,304	803	695	1,126	991	678
335	U. South Carolina, Aiken	83 i	103	125	780	0 i	0	125	780
336	Clarkson U.	577	730	534	776	261	341	311	561
337	Bowling Green State U.	1,162	572	1,373	774	904	347	108	97
338	MGH Institute of Health Professions	ne	1,300	925	763	ne	1,300	925	763
339	Florida Gulf Coast U.	738	1,010	849	760	593	843	814	686
340	Grinnell C.	664	552	438	758	313	419	154	339
340	U. New Orleans	1,627	1,184	946	758	642	378	390	336
342	Texas Woman's U.	664	696	782	757	361	263	154	257
343	St. Edward's U.	290	3,100	2,500	750	273	3,100	2,500	620
344	California State U., Channel Islands	657	304	838	746	65	31	0	0
345	Bates C.	358	1,424	902	733	310	1,300	801	521
346	Western Washington U.	428	497	664	732	351	355	383	500
347	California State U., Los Angeles	1,233	806	793	721	1,233	805	739	709
348	Colgate U.	497	597	637	709	291	256	202	363
349	Clark U.	735	866	837	706	492	493	304	397
350	California Polytechnic State U., San Luis Obispo	1,036	892	1,280	703	184	130	269	380
351	Swarthmore C.	745	474	597	691	210	300	354	342

351	U. Richmond	702	458	616	691	397	194	451	482
353	James Madison U.	560	623	739	690	498	548	640	562
354	California State U., Sacramento	1,014	806	456	684	232	166	72	2
355	Bucknell U.	753	635	671 i	682 i	272	193	211 i	207 i
355	Louisiana Tech U.	454	457	770	682	60	93	320	330
357	CUNY, Lehman C.	489	208	458	680	374	152	334	554
357	Indiana U.-Purdue U., Fort Wayne	355	483	731	680	76	114	120	96
359	Hampton U.	141	394	381	674	141	394	381	674
360	Fairfield U.	459	498	533	673	64	150	208	190
361	Montana Tech of U. Montana	311	427	539	670	177	318	296	316
362	Loyola Marymount U.	293	414	1,053	664	117	166	322	254
363	Philadelphia C. of Osteopathic Medicine	200	288	336	660	62	150	150	260
364	CUNY, Advanced Science Research Center	na	270	ne	659	na	187	ne	488
365	Sam Houston State U.	675	449	624	651	196	251	337	225
366	U. Tulsa	324	405	553	648	142	217	255	357
366	Winston-Salem State U.	ne	ne	516	648	ne	ne	516	648
368	Eastern Michigan U.	264	236	460	639	193	187	198	135
369	U. North Florida	503	330	480	637	273	157	228	309
370	Lewis and Clark C.	1,237	793	491	635	753	316	228	286
371	Eastern Kentucky U.	1,028	1,063	1,038	628	779	766	858	482
372	Willamette U.	251	582	464	627	80	346	443	460
373	Central Washington U.	184	306	469	623	59	37	218	287
374	Albany State U.	176	239	554	622	176	239	554	622
375	California State U., Bakersfield	282	401	358	606	166	255	151	447
376	Black Hills State U.	570	701	924	602	405	449	625	368
377	Middlebury C.	479	644	780	600	472	641	772	598
378	Missouri U. of Science and Technology	165	69	321	596	26	38	24	178
379	U. del Turabo	161	170	456	595	42	9	233	419
380	Spelman C.	162	200	541	588	162	200	541	588
381	Northern Kentucky U.	701	627	618	587	531	386	366	364
381	Southeastern Louisiana U.	518	575	529	587	307	338	289	326
383	Amherst C.	819	543	591	580	377	330	251	239
384	Eastern Washington U.	20	417	623	573	15	417	584	526
385	Providence C.	ne	836	733	572	ne	782	637	503
386	Colby C.	393	534	615	571	219	420	520	476
387	Towson U.	732	466	430	562	650	262	308	326
388	Rochester Institute of Technology	344	348	631	561	106	128	427	418
389	Pomona C.	427	887	837	548	80	187	304	168
390	U. Wisconsin-Stevens Point	699 i	604 i	505 i	528 i	329 i	255 i	176 i	182 i
391	Indiana State U.	796	825	692	522	437	492	389	231
392	Williams C.	398	410	578	500	110	261	380	365
393	Davidson C.	640	942	642	496	520	773	483	385
394	New C. Florida	476	ne	ne	488	41	ne	ne	3
394	Rhode Island C.	455	753	715	488	399	334	615	462
396	SUNY, Buffalo State	363	364	387	486	114	31	53	137
397	Massachusetts C. of Pharmacy and Health Sciences	ne	ne	ne	480	ne	ne	ne	0
398	Trinity C., Hartford	326	200	492	477	285	185	450	412
399	Trinity U.	446	328	477	469	269	116	274	100
400	U. Colorado Colorado Springs	150	257	359	466	146	203	311	454
401	U. Tennessee, Chattanooga	243	736	424	465	166	570	318	279
402	U. Puget Sound	ne	ne	ne	464	ne	ne	ne	303
403	West Chester U. Pennsylvania	245	305	318	462	150	240	222	378
404	U.S. Military Academy	0	0	328	461	0	0	328	461
405	Bentley U.	ne	ne	ne	452	ne	ne	ne	0
406	Hawaii Pacific U.	693	471	789	449	521	398	735	357
407	Plymouth State U.	463	442	360	443	431	425	335	421
408	U. Louisiana, Monroe	273	209	547	438	247	174	521	406
409	Austin Peay State U.	807	748	255	433	140	219	0	0
410	Missouri State U.	317	206	417	431	0	55	220	165
410	Pacific U.	34 i	87	226	431	0	14	6	153

412	Hope C.		635	403	265	428	623	344	193	294					
413	Montclair State U.	1,552		1,341	693	427	558	739	641	364					
414	Northern Illinois U.	784	i	668	452	423	452	484	282	273					
415	CUNY, Queens C.	596		697	491	420	510	554	481	316					
416	Eastern Illinois U.	ne		ne	ne	419	ne	ne	ne	284					
417	U. South Florida, Saint Petersburg	45		19	280	418	0	0	0	10					
418	Clafin U.	976		487	565	410	878	452	564	410					
419	U. Central Arkansas	742		665	586	403	482	480	306	244					
420	U. North Carolina, general administration	ne		508	621	400	ne	67	0	0					
421	New Jersey City U.	ne		ne	ne	394	ne	ne	ne	394					
422	Claremont McKenna C.	203	i	ne	433	389	203	i	ne	433					
423	Northeastern Illinois U.	9		ne	ne	380	0	ne	ne	380					
424	Barnard C.	457		496	330	378	381	282	232	258					
424	Macalester C.	218		242	328	378	107	96	122	210					
426	DePaul U.	314		273	239	370	206	91	11	137					
427	Winthrop U.	533		368	397	368	276	91	245	281					
428	Saint Joseph's U.	174		222	271	365	8	0	0	51					
428	Tougaloo C.	728		732	534	365	728	732	534	365					
430	Calvin C.	1,324		743	i	564	354	678	586	i	450	301			
430	Morehead State U.	510		362	201	354	303	244	161	222					
432	C. New Jersey	ne		ne	ne	353	ne	ne	ne	339					
433	U. of the Pacific	354		373	782	351	234	263	780	251					
434	Seattle U.	24		336	342	347	0	143	154	92					
435	C. Wooster	257		70	i	ne	345	93	22	i	ne	150			
436	U.S. Air Force Academy	1,026	i	526	485	338	254	325	155	0					
437	Naval Postgraduate School	182		95	124	330	182	95	124	330					
438	Tennessee Technological U.	244		296	350	326	153	145	195	135					
439	Grand Valley State U.	495		658	400	324	352	446	302	252					
440	South Carolina State U.	2,841	i	3,799	i	2,585	i	317	0	i	993	i	317		
441	Desert Research Institute	855		455	107	312	805	159	103	208					
442	Savannah State U.	338		256	659	306	265	256	659	306					
442	St. Olaf C.	265		249	425	306	159	177	285	154					
444	Furman U.	131		153	244	302	98	117	189	238					
445	Vassar C.	136		615	i	0	300	136	261	0	300				
446	Pepperdine U.	219		209	286	296	92	101	130	193					
447	Fort Valley State U.	0		0	462	295	0	0	384	246					
448	SUNY, C. Brockport	173		254	165	294	132	136	109	245					
449	Pace U.	441		416	319	290	262	256	157	148					
450	U. Wisconsin-Oshkosh	273	i	260	i	ne	285	i	155	i	179	i	ne	224	i
451	Dillard U.	0		133	447	283	0	72	227	246					
451	SUNY, Oswego	ne		ne	ne	283	ne	ne	ne	194					
453	U. San Francisco	138		219	96	281	138	219	87	152					
454	Harvey Mudd C.	99		167	177	279	25	66	112	162					
455	Western Carolina U.	613		618	488	278	347	296	267	88					
456	Biola U.	ne		ne	266	i	276	i	ne	ne	151	i	155	i	
457	Salisbury U.	400		281	275	274	110	69	73	39					
458	Hofstra U.	607		336	288	273	569	294	235	235					
459	CUNY, C. Staten Island	1,066		219	44	271	254	135	0	130					
459	New York Institute of Technology	0		0	45	271	0	0	45	56					
461	Christopher Newport U.	531		513	575	256	471	475	384	13					
462	Lincoln U., Jefferson City	424		415	293	252	424	415	293	252					
463	Indiana U. Pennsylvania	195		ne	253	251	59	ne	82	113					
464	U. Alaska, Southeast	97		7	41	241	91	3	41	209					
465	U. of St. Thomas (MN)	64		ne	270	239	45	ne	20	47					
466	Stephen F. Austin State U.	99		225	55	238	0	17	9	22					
467	U. Houston-Clear Lake	270		152	129	233	245	100	94	180					
468	Skidmore C.	362		65	96	230	321	17	56	170					
468	U. South Alabama	355		332	334	230	135	192	78	93					
470	Tarleton State U.	11		197	281	226	0	0	0	0					
471	Colorado C.	183		231	217	225	98	133	64	74					
472	U. Dayton	953		808	525	220	892	656	408	205					

473	Dickinson C.	84	144	56	219	45	111	56	145
474	U. Wisconsin-Green Bay	250 i	256 i	263 i	218 i	105 i	97 i	209 i	151 i
475	CUNY, John Jay C. of Criminal Justice	40	200	241	216	10	157	127	203
476	U. North Carolina, Asheville	44	4	70	213	10	1	37	79
477	Prairie View A&M U.	58	189	236	212	46	164	207	145
478	Coastal Carolina U.	92	70	0	206	90	70	0	198
478	U. Central Oklahoma	205	424	220	206	194	424	217	175
478	U. Southern Maine	600 i	435 i	244	206	135 i	108 i	73	95
481	Azusa Pacific U.	ne	371	395	205	ne	0	0	0
481	Oberlin C.	408	633	196	205	316	611	160	197
481	Texas A&M International U.	344	219	331	205	167	156	59	5
484	California State U., Chico	140	140	272	204	107	100	193	204
484	Rider U.	301 i	276	241	204	194	167	130	98
484	Santa Clara U.	840	293	306	204	772	288	306	204
487	CUNY, Baruch C.	68	36	116	202	60	0	1	148
488	Texas Christian U.	105	208	256	199	4	80	178	43
489	Oklahoma State U., Center for Health Sciences	26	347	404	198	10	213	29	11
490	U. Metropolitana	0	0	48	193	0	0	47	180
491	U. Texas, Tyler	117	1,583	361	192	15	71	112	67
492	Tuskegee U.	4,280 i	226 i	186 i	186 i	1,857 i	178 i	151	151
493	Quinnipiac U.	ne	191 i	ne	184 i	ne	103 i	ne	102 i
494	U. Arkansas, Pine Bluff	38	71	113	170	21	50	85	128
495	Bowie State U.	604	149	318	164	604	149	318	164
495	Keene State C.	164	178	ne	164	164	178	ne	162
497	Roger Williams U.	149	134	80	162	149	96	80	78
498	Hamilton C.	20	65	172	154	6	5	16	0
498	Southern U. and A&M C., Baton Rouge	112	125	145	154	112	125	137	66
500	Long Island U.	ne	ne	107	150	ne	ne	38	76
501	U. Guam	479	741	684	144	371	604	580	78
502	Carleton C.	567	444	102	140	426	166	102	11
503	Southern Connecticut State U.	12 i	0 i	0	139	12	0 i	0	54
503	U. Wisconsin-Platteville	47 i	119 i	ne	139 i	26 i	31 i	ne	38 i
505	Benedict C.	128	124	170	136	128	124	138	136
505	Hobart and William Smith Colleges	89	50	ne	136	89	49	ne	100
507	SUNY, Geneseo	269	128	179	135	104	68	69	37
507	U. Houston-Downtown	12	20	60	135	9	0	0	0
509	Minnesota State U., Mankato	66	32	51	134	48	25	0	52
510	A. T. Still U.	0 i	0	130	132	0 i	0	0	0
511	Albion C.	ne	ne	ne	131	ne	ne	ne	0
512	Alcorn State U.	1,294	1,047	325	124	1,086	718	318	124
512	William Paterson U.	ne	ne	91	124	ne	ne	61	15
514	Florida A&M U.	65	67	115	123	60	61	45	56
514	U. San Diego	106	145	165	123	75	122	73	25
516	U. Northern Iowa	124	130	143	117	25	40	92	83
517	Norfolk State U.	389	120	139	114	296	94	109	114
517	Siena C.	319	193	279	114	262	141	193	58
519	Elon U.	104	106	136	113	0	25	61	46
519	Morehouse C.	84	103	82	113	84	103	82	113
521	Niagara U.	64	52	36	110	0	0	0	0
521	West Texas A&M U.	302	10	45	110	107	2	42	36
523	California State U., Dominguez Hills	274 i	205	209	108	274 i	205	137	85
524	Northern Michigan U.	ne	ne	144	107	ne	ne	13	58
525	U. Maryland, Eastern Shore	0	455	469	106	0	455	469	106
526	Wheaton C., Wheaton	40	46	ne	102	0	43	ne	60
527	Pittsburg State U.	219	153	120	98	201	124	104	84
527	U. South Florida, Sarasota-Manatee	9	50	95	98	0	0	0	0
529	C. of Saint Benedict	169	84	80	96	0	0	0	0
529	La Sierra U.	108	124	277	96	0	45	12	23
531	Bradley U.	154	121	81	93	59	57	43	55
532	Southern Illinois U., Edwardsville	136	146	297	92	23	27	57	22

533	Johnson C. Smith U.	ne	ne	0	88	ne	ne	0	88
533	McNeese State U.	75	88	85	88	4	0	0	0
535	Saint John's U., Collegeville	167	78	71	86	0	0	0	0
536	Langston U.	17	0	84	84 i	17	0	84	84 i
537	U. Michigan, Dearborn	205	76	58	83	33	6	9	37
538	CUNY, Graduate Center	96	60	83 i	79	44	60	56 i	46
539	Drake U.	ne	ne	128	75	ne	ne	118	42
540	Angelo State U.	193	ne	ne	74	148	ne	ne	15
541	U. Minnesota, Morris	238	204	179	72	114	125	129	56
542	U. New Haven	0 i	0	84	68	0 i	0	0	0
543	Purdue U., Northwest	na	na	na	65	na	na	na	2
543	U. Wisconsin-River Falls	ne	ne	ne	65	ne	ne	ne	50
545	Central Connecticut State U.	214	115	79	64	142	52	7	0
546	Union C., Schenectady	164	119	439	62	118	54	394	23
547	New Mexico Institute of Mining and Technology	264	323	735	56	14	323	724	56
547	Pennsylvania State U., Behrend	82	75	64	56	35	38	26	27
549	Franklin W. Olin C. of Engineering	0	0	0	55	0	0	0	25
549	Lamar U.	17	101	80	55	17	31	28	0
551	Youngstown State U.	48	126	54	54	41	8	2	0
552	Suffolk U.	40	47	50 i	52 i	0	0	0 i	0 i
553	U. of the District of Columbia	224	551	237	51	224	551	237	51
554	Mercyhurst U.	98	153	46	50 i	0	0	0	0 i
555	Alaska Pacific U.	ne	90	80	47	ne	90	0	47
555	Gettysburg C.	ne	ne	ne	47 i	ne	ne	ne	0
555	Saginaw Valley State U.	ne	50	81	47	ne	0	0	0
558	U. Wisconsin-Eau Claire	207	ne	61	46	167	ne	44	39
559	Eastern Connecticut State U.	23	36	76	45	0	7	9	8
560	Stevens Institute of Technology	46	125	125	42	46	125	125	42
561	Valparaiso U.	42	87	35	36 i	34	70	15	15 i
562	Norwich U.	507	991	577	35	420	928	444	30
563	Seattle Pacific U.	65	71	36	34	0	0	0	0
564	Kettering U.	38	44	36	32	0	6	0	0
564	U. Michigan, Flint	ne	ne	ne	32	ne	ne	ne	3
566	Augsburg C.	ne	80	33	30	ne	74	33	30
566	Lake Superior State U.	ne	402	36	30	ne	43	0	0
568	Allegheny C.	ne	ne	17	24	ne	ne	16	20
569	Mills C.	132	86	9	22	50	0	0	0
570	Alfred U.	0	9	8	20	0	9	8	20
570	Indiana U., South Bend	202	91	112	20	106	47	22	0
570	Western New England U.	ne	ne	108	20	ne	ne	97	15
573	Sul Ross State U.	1,431	1,253	11	17	273	260	0	0
574	Northwestern State U. Louisiana	49	ne	15	16	0	ne	0	0
575	Pennsylvania State U., Harrisburg	4	3	11	15	0	0	0	2
576	Framingham State U.	ne	ne	ne	10	ne	ne	ne	4
577	U. Puerto Rico, Cayey	0	0	0	9	0	0	0	0
578	Lafayette C.	110	121	72	8	110	114	65	0
579	Elizabeth City State U.	18	12	8	7	2	0	0	0
580	U. Illinois, Springfield	49	88	42	6	39	48	29	0
581	Heidelberg U.	16	4	36	1	16	0	13	0
	All other surveyed institutions	16,483	10,907	4,465	0	12,711	8,186	3,499	0

i = imputed, na = not applicable, institution did not exist or did not exist as a separate entity, ne = not eligible, institution did not meet the criteria for inclusion.

^a Johns Hopkins University includes the Applied Physics Laboratory (APL), with \$15,731 thousand imputed for total and \$15,129 thousand reported for federally financed R&D expenditures in biological and biomedical sciences in FY 2017. Total expenditures by field for Johns Hopkins University are flagged as imputed because APL was unable to distribute a portion of institutionally funded R&D by field.

NOTES: FY 2016 R&D expenditure amounts in various fields may show increases or decreases from amounts reported in FY 2015 because of the reclassification of disciplines. See the FY 2016 Technical Notes, Appendix A (<https://ncesdata.nsf.gov/herd/2016/>) for specific details about discipline changes. Institutions reporting zero expenditures in ranked total for FY 2017 are not listed in this table. Tied institutions are ranked alphabetically. Ranked institutions 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 list of campuses that belong to a larger university or system and their aggregate R&D expenditures, see table 6.

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