

TABLE 5

Higher education R&D expenditures at higher education institutions in both survey populations, ranked by all R&D expenditures, by source of funds: FY 2019

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
All institutions	-	83,653,206	44,533,642	4,505,190	21,153,749	5,058,117	5,698,359	2,704,149
Johns Hopkins U. ^a	1	2,917,436	2,482,130	7,526	152,043	105,805	166,571	3,361
U. Michigan, Ann Arbor	2	1,675,805	886,851	2,706	608,028	98,997	68,758	10,465
U. California, San Francisco	3	1,595,098	671,047	30,392	394,740	103,463	232,094	163,362
U. Pennsylvania	4	1,506,285	717,359	16,182	491,734	158,554	119,464	2,992
U. Washington, Seattle	5	1,425,601	992,643	27,125	117,341	58,211	194,296	35,985
U. California, San Diego	6	1,353,763	698,925	44,786	301,297	86,865	99,338	122,552
U. California, Los Angeles	7	1,306,376	600,714	70,016	285,010	76,217	197,337	77,082
U. Wisconsin-Madison	8	1,297,331	608,925	94,861	415,634	26,518	115,774	35,619
Harvard U.	9	1,239,736	618,405	980	381,597	48,168	166,590	23,996
Duke U.	10	1,226,517	709,705	498	154,081	236,292	105,775	20,166
Stanford U.	11	1,204,116	738,957	38,011	124,706	136,065	159,040	7,337
U. North Carolina, Chapel Hill	12	1,153,773	720,613	9,455	293,561	44,962	67,773	17,409
Cornell U.	13	1,144,534	525,182	92,698	227,319	56,461	118,002	124,872
U. Maryland ^b	14	1,096,600	696,880	34,241	279,371	30,775	50,561	4,772
U. Pittsburgh, Pittsburgh	15	1,080,951	677,559	9,702	187,204	25,312	67,014	114,160
Yale U.	16	1,072,309	576,776	8,038	318,201	74,583	86,495	8,216
U. Minnesota, Twin Cities	17	1,013,112	494,549	79,587	321,652	50,423	40,928	25,973
Massachusetts Institute of Technology	18	1,009,466	489,345	2,713	116,760	196,810	107,962	95,876
Columbia U. in the City of New York	19	1,003,615	736,536	7,977	74,951	78,227	103,544	2,380
U. Texas M. D. Anderson Cancer Center	20	969,496	176,156	258,019	214,509	156,237	28,010	136,565
Georgia Institute of Technology	21	960,167	716,207	92,591	70,898	66,782	13,392	297
Texas A&M U., College Station and Health Science Center	22	952,156	359,609	190,465	274,537	41,351	59,798	26,396
Pennsylvania State U., University Park and Hershey Medical Center	23	949,679	600,489	51,658	207,208	32,949	56,184	1,191
New York U.	24	934,720	436,850	22,939	229,172	50,280	80,137	115,342
Ohio State U.	25	929,250	497,651	62,752	136,923	157,885	49,679	24,360
U. Florida	26	928,639	387,906	162,626	257,870	36,623	47,629	35,985
U. Southern California	27	909,683	543,607	13,301	189,168	47,241	50,917	65,449
Washington U., Saint Louis	28	887,088	543,508	963	157,727	96,311	87,106	1,473
Northwestern U.	29	857,069	502,300	14	243,099	53,528	50,647	7,481
U. California, Davis	30	804,282	374,707	66,894	206,406	51,284	47,250	57,741
U. California, Berkeley	31	802,931	347,601	35,002	166,865	75,009	128,481	49,973
Emory U.	32	794,928	424,461	5,392	239,403	50,408	72,787	2,477
Vanderbilt U. and Vanderbilt U. Medical Center	33	776,937	492,808	1,268	184,711	60,971	34,258	2,921
U. Arizona	34	734,270	327,025	26,071	220,594	22,854	33,423	104,303
Michigan State U.	35	725,708	331,148	48,535	296,991	14,207	19,282	15,545
Icahn School of Medicine at Mount Sinai	36	722,241	443,745	9,191	134,825	69,816	56,296	8,368
U. Texas, Austin	37	696,111	407,981	21,573	144,157	75,638	40,388	6,374
U. Illinois, Urbana-Champaign	38	677,523	382,206	25,352	185,282	40,128	24,596	19,959
Indiana U., Bloomington	39	668,157	308,586	4,772	263,300	26,165	64,916	418
Purdue U., West Lafayette	40	663,927	249,831	38,744	242,643	60,411	36,497	35,801

TABLE 5

Higher education R&D expenditures at higher education institutions in both survey populations, ranked by all R&D expenditures, by source of funds: FY 2019

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Rutgers, State U. New Jersey, New Brunswick	41	657,249	297,609	77,809	131,158	42,618	50,510	57,545
Baylor C. of Medicine	42	651,920	309,354	32,232	193,449	31,149	85,736	0
Arizona State U.	43	639,637	267,087	36,266	233,959	17,112	61,749	23,464
U. Virginia, Charlottesville	44	613,938	276,335	7,277	211,202	25,830	36,059	57,235
U. Alabama, Birmingham	45	607,863	398,403	11,434	106,085	60,048	31,893	0
U. Utah	46	601,133	302,585	6,199	217,878	39,084	31,700	3,687
U. Colorado Denver and Anschutz Medical Campus	47	542,732	353,021	24,979	53,541	50,510	51,586	9,095
Virginia Polytechnic Institute and State U.	48	541,969	209,607	54,131	221,817	43,433	7,097	5,884
North Carolina State U.	49	541,100	228,945	123,196	127,691	55,085	5,749	434
Boston U.	50	534,205	318,511	395	149,767	21,793	41,622	2,117
U. Cincinnati	51	529,796	252,892	6,716	137,969	40,435	65,864	25,920
U. Colorado Boulder	52	513,822	412,691	5,171	30,502	9,389	16,767	39,302
U. Iowa	53	508,353	252,563	6,290	207,385	22,153	19,962	0
U. Texas Southwestern Medical Center	54	496,697	203,544	79,363	68,457	31,317	59,096	54,920
U. Georgia	55	477,536	159,948	53,931	225,620	11,610	14,581	11,846
U. Chicago	56	459,171	332,776	87	44,762	40,457	40,694	395
U. California, Irvine	57	448,967	217,094	16,787	119,130	26,292	28,066	41,598
Case Western Reserve U.	58	438,994	357,549	1,771	44,093	8,363	23,865	3,353
Scripps Research Institute	59	427,734	267,122	4,347	76,306	39,161	40,798	0
Uniformed Services U. of the Health Sciences	60	417,300	297,808	0	95,062	0	24,430	0
Oregon Health and Science U.	61	415,629	298,227	80	38,139	36,000	42,653	530
SUNY, U. Buffalo	62	413,817	182,983	22,439	134,258	31,802	23,478	18,857
U. Kentucky	63	410,581	192,945	37,544	125,639	11,297	14,018	29,138
California Institute of Technology	64	399,931	287,198	1,367	42,683	15,052	29,267	24,364
Colorado State U., Fort Collins	65	398,477	284,482	18,401	57,160	13,089	17,821	7,524
U. Rochester	66	393,960	306,551	2,598	40,515	24,370	15,256	4,670
U. South Florida, Tampa	67	391,325	181,882	12,787	161,641	15,408	15,108	4,499
Princeton U.	68	385,739	193,453	704	80,414	17,701	55,994	37,473
U. Illinois, Chicago	69	382,949	208,603	7,828	122,535	13,892	22,626	7,465
Washington State U.	70	369,333	158,982	51,397	132,121	13,984	8,309	4,540
U. Miami	71	360,716	212,023	12,804	67,707	30,997	35,782	1,403
Carnegie Mellon U.	72	359,720	197,978	2,593	107,841	36,414	7,887	7,007
Iowa State U.	73	358,474	147,866	43,041	129,709	23,851	10,679	3,328
SUNY, Polytechnic Institute	74	352,889	38,245	189,201	12,963	110,306	1,301	873
U. Kansas	75	352,643	169,694	29,122	107,078	22,073	24,168	508
Rockefeller U.	76	351,089	84,566	484	224,310	7,518	34,018	193
Dartmouth C. and Dartmouth Hitchcock Medical Center	77	342,142	154,597	1,253	154,896	6,182	19,236	5,978
Florida State U.	78	329,205	149,784	4,635	156,893	2,331	7,687	7,875
U. Nebraska, Lincoln	79	316,820	109,954	55,969	118,095	18,157	4,893	9,752
U. Oklahoma, Norman and Health Science Center	80	302,679	164,855	35,137	74,505	14,954	9,041	4,187
Albert Einstein C. of Medicine	81	298,824	202,513	2,127	79,274	2,778	12,132	0

TABLE 5

Higher education R&D expenditures at higher education institutions in both survey populations, ranked by all R&D expenditures, by source of funds: FY 2019

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Louisiana State U., Baton Rouge	82	296,497	88,721	67,140	107,220	12,178	12,570	8,668
Medical U. South Carolina	83	295,600	153,226	4,779	94,830	19,855	12,380	10,530
U. Connecticut	84	285,764	159,220	7,609	85,183	11,802	15,753	6,197
Temple U.	85	284,301	161,673	6,508	72,826	17,849	18,392	7,053
Utah State U.	86	283,917	220,504	23,310	24,814	7,063	630	7,596
U. Massachusetts, Medical School	87	281,507	197,388	477	43,238	16,386	16,933	7,085
U. Hawaii, Manoa	88	280,416	167,816	20,016	76,455	1,846	12,675	1,608
U. Missouri, Columbia	89	278,793	123,252	6,296	126,833	6,551	7,785	8,076
U. Texas Health Science Center, Houston	90	271,525	132,647	38,516	43,586	20,549	22,721	13,506
George Washington U.	91	269,799	155,697	1,159	64,471	4,123	33,776	10,573
Mississippi State U.	92	264,526	104,738	77,562	68,709	3,882	8,220	1,415
Oregon State U.	93	263,830	168,571	47,392	26,530	5,833	2,564	12,940
SUNY, Stony Brook U.	94	260,813	144,618	12,674	85,067	5,739	9,305	3,410
Brown U.	95	256,954	178,460	33	53,599	3,893	15,371	5,598
Virginia Commonwealth U.	96	255,648	142,293	27,123	60,805	9,959	15,468	0
U. Tennessee, Knoxville	97	247,693	123,434	14,104	98,238	6,142	2,731	3,044
Medical C. Wisconsin	98	244,752	119,036	621	77,429	22,323	18,986	6,357
Wayne State U.	99	244,217	118,043	10,568	81,510	6,995	22,182	4,919
U. California, Santa Barbara	100	243,778	118,517	4,592	49,052	19,264	32,192	20,161
Georgetown U.	101	240,960	94,050	1,844	66,400	14,835	41,846	21,985
U. Notre Dame	102	240,078	106,411	876	89,308	9,451	15,648	18,384
U. New Mexico	103	239,696	159,940	5,610	58,200	2,115	12,230	1,601
Wake Forest U.	104	238,933	165,702	14,549	22,580	13,689	14,009	8,404
Auburn U., Auburn	105	231,619	64,333	31,171	117,941	6,232	1,413	10,529
Woods Hole Oceanographic Institution	106	229,143	184,995	1,501	20,634	1,234	11,584	9,195
Florida International U.	107	225,864	96,912	14,884	102,581	1,652	8,509	1,326
U. Central Florida	108	225,085	99,310	11,312	86,353	11,438	6,768	9,904
U. Massachusetts, Amherst	109	223,177	117,359	12,409	70,889	10,026	8,986	3,508
Clemson U.	110	218,760	81,080	24,259	87,791	18,812	6,643	175
Kansas State U.	111	218,622	81,269	37,702	82,673	7,099	7,783	2,096
Tufts U.	112	213,285	146,630	1,944	22,548	11,123	27,005	4,035
U. Delaware	113	206,270	133,020	12,379	45,490	5,944	4,556	4,881
U. South Carolina, Columbia	114	205,940	102,992	3,097	79,622	5,411	9,752	5,066
Tulane U.	115	196,933	104,219	4,379	53,333	4,965	17,588	12,449
Georgia State U.	116	195,572	70,185	12,443	99,468	603	12,367	506
U. Houston	117	195,398	68,523	38,963	65,710	8,597	11,270	2,335
U. Nebraska, Medical Center	118	194,455	102,604	12,284	37,891	9,896	15,706	16,074
Texas Tech U.	119	193,923	35,136	23,788	104,700	16,210	13,963	126
U. Texas Health Science Center, San Antonio	120	188,483	96,502	20,807	42,551	8,499	19,715	409
West Virginia U.	121	187,512	82,353	8,972	69,819	5,808	4,779	15,781
George Mason U.	122	186,267	96,307	3,370	41,291	8,900	35,852	547
Oklahoma State U., Stillwater	123	184,276	39,880	23,288	107,127	13,185	698	98
Northeastern U.	124	183,998	126,762	1,926	39,442	7,629	7,788	451
Rice U.	125	182,564	83,584	6,013	53,316	10,814	23,426	5,411

TABLE 5

Higher education R&D expenditures at higher education institutions in both survey populations, ranked by all R&D expenditures, by source of funds: FY 2019

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
SUNY, U. Albany	126	181,531	92,709	8,784	65,357	708	1,990	11,983
U. Arkansas, Fayetteville	127	180,225	50,875	53,643	61,913	7,274	6,123	397
U. California, Riverside	128	177,655	81,151	9,195	52,805	8,305	8,609	17,590
U. Texas Medical Branch	129	175,372	107,806	5,054	46,065	4,639	11,808	0
U. Louisville	130	173,462	87,563	8,114	48,834	7,475	7,880	13,596
Thomas Jefferson U.	131	170,458	74,816	3,010	56,965	18,910	9,041	7,716
U. Dayton	132	165,343	153,328	3,395	2,502	5,356	648	114
New Jersey Institute of Technology	133	161,232	89,846	3,268	55,507	2,511	5,099	5,001
U. Mississippi	134	158,809	73,865	3,579	73,478	2,602	3,712	1,573
Montana State U., Bozeman	135	154,811	88,955	17,738	39,627	1,974	4,251	2,266
Syracuse U.	136	154,366	37,803	4,884	94,588	5,820	11,103	168
U. Arkansas for Medical Sciences	137	153,135	63,498	8,991	62,472	6,877	2,756	8,541
North Dakota State U.	138	152,381	35,322	48,566	58,902	2,166	1,444	5,981
U. Nevada, Reno	139	152,128	62,903	9,753	70,376	2,556	2,177	4,363
Drexel U.	140	149,481	85,278	5,287	40,179	3,888	8,949	5,900
U. New Hampshire	141	148,980	90,241	4,648	38,163	8,680	6,422	826
U. Alaska, Fairbanks	142	144,457	92,964	2,874	39,572	3,333	1,753	3,961
U. Louisiana, Lafayette	143	144,187	34,400	17,869	31,636	48,344	11,938	0
U. California, Santa Cruz	144	142,958	74,669	6,280	31,144	5,452	14,838	10,575
U. Vermont	145	135,859	90,405	659	31,729	3,210	8,841	1,015
U. Maine	146	129,913	51,049	19,299	48,644	4,334	4,452	2,135
Wichita State U.	147	128,795	29,634	7,926	8,712	82,008	507	8
Cold Spring Harbor Laboratory	148	126,773	73,854	152	32,823	1,527	18,417	0
U. Texas, Dallas	149	126,661	48,466	12,133	38,469	4,762	22,831	0
U. Texas, Arlington	150	123,207	41,764	16,970	51,329	5,018	6,057	2,069
U. Rhode Island	151	115,160	73,080	10,878	25,849	4,268	427	658
U. Idaho	152	113,107	51,529	37,467	18,274	1,822	1,291	2,724
U. North Dakota	153	110,836	49,700	11,135	38,998	10,391	609	3
U. Oregon	154	110,664	80,083	786	22,044	295	6,505	951
U. Alabama, Huntsville	155	109,744	85,211	1,378	21,663	1,069	301	122
U. Texas, El Paso	156	106,809	41,261	17,507	33,594	872	4,587	8,988
U. Montana, Missoula	157	104,665	55,566	1,283	41,293	350	2,250	3,923
SUNY, Binghamton U.	158	104,297	24,213	6,085	68,519	3,508	1,243	729
Rensselaer Polytechnic Institute	159	103,739	50,448	5,091	29,674	14,189	4,337	0
New Mexico State U.	160	101,457	58,022	20,496	12,922	1,022	3,569	5,426
U. Nevada, Las Vegas	161	99,445	28,381	2,494	63,995	1,465	805	2,305
U. Tennessee, Health Science Center	162	96,979	42,396	4,185	23,971	3,245	12,094	11,088
Augusta U.	163	96,502	47,031	1,809	38,530	3,081	5,525	526
Rush U.	164	96,267	68,941	2,309	7,670	13,761	3,586	0
San Diego State U.	165	92,964	39,515	1,911	47,338	808	1,631	1,761
U. Texas, San Antonio	166	84,326	34,588	12,247	27,509	5,393	2,408	2,181
U. Massachusetts, Lowell	167	83,996	35,309	6,390	36,658	3,460	1,095	1,084
U. Alabama, Tuscaloosa	168	83,317	37,916	9,791	30,801	2,799	977	1,033
U. Maryland, Baltimore County	169	80,632	56,993	6,927	13,297	1,084	1,770	561
Michigan Technological U.	170	80,443	34,709	728	36,574	7,155	247	1,030

TABLE 5

Higher education R&D expenditures at higher education institutions in both survey populations, ranked by all R&D expenditures, by source of funds: FY 2019

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
U. Wyoming	171	80,353	52,082	4,594	17,939	3,619	1,599	520
Cleveland State U.	172	80,077	51,475	2,810	18,823	2,451	4,260	258
U. North Texas, Denton	173	78,691	17,345	2,735	53,843	1,807	1,087	1,874
U. Southern Mississippi	174	76,464	46,924	11,882	10,344	6,073	1,144	97
U. Tennessee, Knoxville, Institute of Agriculture	175	71,396	28,804	893	35,641	2,816	1,193	2,049
American U.	176	71,053	15,229	394	43,492	241	11,152	545
Colorado School of Mines	177	70,397	49,603	2,540	4,343	10,556	1,273	2,082
U. California, Office of the President	178	67,702	319	38,703	28,574	0	80	26
Indiana U.-Purdue U., Indianapolis	179	67,635	27,349	976	30,077	3,479	5,652	102
Old Dominion U.	180	67,425	31,355	10,109	21,337	1,430	2,675	519
Naval Postgraduate School	181	67,323	54,358	0	12,007	522	48	388
South Dakota State U.	182	66,794	29,683	15,663	4,511	1,955	4,442	10,540
Saint Louis U.	183	66,103	34,275	1,466	17,838	4,885	6,173	1,466
William & Mary	184	64,835	31,983	3,091	22,422	1,119	4,152	2,068
Texas State U.	185	64,554	29,614	4,871	25,361	725	3,983	0
Wright State U.	186	64,208	41,428	10,917	9,377	1,303	1,108	75
U. Massachusetts, Boston	187	62,018	25,083	2,369	28,163	1,675	4,108	620
Boston C.	188	61,956	32,475	2,163	13,596	440	13,104	178
Van Andel Research Institute	189	61,738	18,259	976	29,815	466	2,798	9,424
Brandeis U.	190	60,825	41,475	195	8,461	475	8,191	2,028
Northern Arizona U.	191	58,914	35,980	7,776	13,052	552	1,434	120
U. Memphis	192	58,700	18,370	7,117	29,849	1,317	1,541	506
Rochester Institute of Technology	193	58,175	26,359	10,835	16,939	2,271	1,007	764
U. Maryland Center for Environmental Science	194	56,033	17,476	25,840	10,418	940	1,267	92
East Carolina U.	195	55,611	17,428	516	28,806	4,076	4,714	71
U. Toledo	196	55,006	28,273	928	19,875	3,453	2,470	7
U. Wisconsin-Milwaukee	197	53,773	23,342	17,335	6,836	3,508	1,071	1,681
Ohio U.	198	53,735	14,802	3,942	27,950	4,497	2,411	133
CUNY, City C.	199	52,738	33,065	7,584	10,094	490	1,033	472
U. South Alabama	200	52,540	19,947	150	28,990	1,060	206	2,187
U. Texas Rio Grande Valley	201	52,016	13,629	6,309	27,496	218	3,996	368
Florida Atlantic U.	202	51,085	21,667	4,017	16,253	1,981	5,037	2,130
U. North Texas, Health Science Center	203	50,124	27,260	11,355	8,142	1,872	1,492	3
Portland State U.	204	50,045	33,055	4,913	7,713	1,156	2,620	588
Kent State U.	205	47,188	13,350	547	31,215	518	1,418	140
U. North Carolina, Charlotte	206	47,187	26,199	962	15,946	2,877	941	262
U. Puerto Rico, Medical Sciences Campus	207	45,014	34,570	849	5,476	4,091	0	28
U. California, Merced	208	44,890	16,850	3,137	20,887	474	1,937	1,605
San Jose State U.	209	44,309	35,143	2,202	3,106	746	1,111	2,001
Howard U.	210	44,163	29,978	1,478	8,386	3,685	636	0
Mercer U.	211	44,128	27,035	30	9,420	7,020	242	381

TABLE 5

Higher education R&D expenditures at higher education institutions in both survey populations, ranked by all R&D expenditures, by source of funds: FY 2019

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Texas Tech U., Health Sciences Center	212	44,072	11,345	17,778	8,854	433	1,963	3,699
U.S. Air Force Academy	213	43,941	35,294	0	7,814	833	0	0
Southern Methodist U.	214	42,562	17,869	1,092	18,220	3,343	2,034	4
Florida A&M U.	215	42,470	35,362	1,647	4,651	543	267	0
U. West Florida	216	41,977	11,506	2,076	27,090	670	531	104
Missouri U. of Science and Technology	217	41,939	22,279	442	11,958	4,481	820	1,959
Southern Illinois U., Carbondale	218	41,729	12,625	604	20,494	7,394	612	0
Louisiana State U., Health Sciences Center, New Orleans	219	40,914	31,290	253	3,522	2,222	3,227	400
Worcester Polytechnic Institute	220	39,878	22,964	2,838	8,805	4,431	656	184
Boise State U.	221	39,824	24,493	2,347	12,116	254	530	84
Brigham Young U., Provo	222	39,582	23,901	1,274	7,404	3,332	3,216	455
Loyola U., Chicago	223	39,223	23,562	78	7,712	3,206	3,285	1,380
Lehigh U.	224	38,185	26,554	2,034	8,368	503	435	291
SUNY, Upstate Medical U.	225	38,091	22,028	2,302	7,531	2,380	2,039	1,811
Marquette U.	226	37,777	12,792	362	15,153	811	2,942	5,717
CUNY, Hunter C.	227	37,478	23,485	2,788	10,063	203	541	398
North Carolina Agricultural and Technical State U.	228	37,339	23,863	347	12,615	208	208	98
Stevens Institute of Technology	229	36,695	28,342	1,127	4,963	1,568	654	41
U. Denver	230	36,551	22,012	893	6,425	1,453	5,142	626
SUNY, Downstate Medical Center	231	36,015	26,914	21	7,150	469	1,096	365
Illinois Institute of Technology	232	34,334	28,827	1	1,826	2,328	1,007	345
Air Force Institute of Technology	233	34,016	21,856	0	12,037	73	50	0
Baylor U.	234	33,304	6,955	1,157	19,443	1,152	2,955	1,642
Texas A&M U.-Corpus Christi	235	32,944	14,451	8,481	3,981	479	2,548	3,004
U. South Dakota	236	32,028	13,367	1,843	15,676	48	1,094	0
San Francisco State U.	237	31,888	15,675	2,171	12,800	65	1,162	15
Morehouse School of Medicine	238	31,289	22,461	457	6,555	0	1,816	0
California Polytechnic State U., San Luis Obispo	239	30,923	9,720	2,682	14,717	1,485	2,319	0
Kennesaw State U.	240	30,381	2,499	107	26,300	840	598	37
U. Akron	241	30,020	11,796	4,604	7,713	3,781	1,330	796
SUNY, C. of Environmental Science and Forestry	242	29,137	7,743	13,726	6,552	469	542	105
U. Massachusetts, Dartmouth	243	28,036	7,353	1,603	17,421	1,140	287	232
U. Minnesota, Duluth	244	27,530	7,143	6,735	12,443	1,025	77	107
Illinois State U.	245	27,082	9,827	514	15,525	456	749	11
Eastern Virginia Medical School	246	27,064	19,408	458	4,286	1,226	1,686	0
Desert Research Institute	247	26,991	16,745	2,765	3,896	258	2,565	762
U. Puerto Rico, Mayaguez	248	26,877	15,653	517	9,252	993	417	45
U. Missouri, Kansas City	249	26,708	14,327	0	10,162	364	733	1,122
Rutgers, State U. New Jersey, Newark	250	26,661	15,397	1,361	6,607	548	1,739	1,009

TABLE 5

Higher education R&D expenditures at higher education institutions in both survey populations, ranked by all R&D expenditures, by source of funds: FY 2019

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Northern Illinois U.	251	26,570	8,610	1,167	16,077	337	255	124
U. North Carolina, Greensboro	252	26,325	18,923	268	5,804	194	149	987
Louisiana State U., Health Sciences Center, Shreveport	253	26,262	12,185	132	9,841	524	3,580	0
Louisiana Tech U.	254	26,143	6,564	2,525	14,848	890	0	1,316
Western Michigan U. and Homer Stryker M.D. School of Medicine	255	25,071	14,399	464	6,320	1,685	623	1,580
Teachers C., Columbia U.	256	24,865	8,054	161	NA	1,156	13,167	2,327
New Mexico Institute of Mining and Technology	257	24,616	22,864	226	311	923	215	77
Nova Southeastern U.	258	24,567	8,965	2,366	10,660	2,035	398	143
Catholic U. of America	259	24,484	21,642	278	1,398	485	681	0
Loma Linda U.	260	24,408	16,909	742	3,328	1,828	1,502	99
U. Puerto Rico, Rio Piedras	261	24,088	13,943	84	9,791	117	110	43
Creighton U.	262	24,039	8,265	5,312	7,078	1,554	827	1,003
California State U., Sacramento	263	23,544	5,801	10,720	5,746	386	888	3
Albany Medical C.	264	23,028	11,827	0	4,294	4,413	1,355	1,139
Delaware State U.	265	23,017	12,179	498	10,315	25	0	0
Rowan U.	266	22,892	12,064	4,615	3,477	1,200	1,536	0
Villanova U.	267	22,837	4,085	1,219	16,135	369	778	251
Miami U.	268	22,380	9,755	1,877	9,085	1,155	438	70
Texas A&M U.-Kingsville	269	22,268	8,419	4,190	3,985	451	5,223	0
U. Alaska, Anchorage	270	21,724	14,219	1,980	4,001	465	624	435
California State U., Northridge	271	21,095	16,939	1,606	1,863	49	587	51
Tuskegee U.	272	20,562	14,825	2,573	2,653	0	0	511
Fordham U.	273	20,287	4,218	70	13,774	149	1,246	830
Marshall U.	274	19,622	9,617	2,025	6,107	413	1,460	0
Chapman U.	275	19,592	5,738	525	8,835	448	3,996	50
New York Medical C.	276	19,398	11,061	1,444	590	3,927	1,699	677
U. Nebraska, central administration	277	18,860	18,523	0	146	191	0	0
California State U., Long Beach	278	18,664	13,579	1,114	1,457	678	465	1,371
U. Tulsa	279	18,648	4,142	746	3,847	9,628	154	131
CUNY, Queens C.	280	18,391	13,457	975	3,403	16	535	5
Meharry Medical C.	281	18,286	16,443	0	921	50	872	0
Jackson State U.	282	18,160	16,259	0	1,438	0	347	116
Southern Illinois U., Edwardsville	283	18,088	3,561	147	12,944	1,121	260	55
Prairie View A&M U.	284	18,018	9,346	4,886	3,454	221	111	0
Northeast Ohio Medical U.	285	18,016	10,107	132	5,288	0	2,489	0
Oakland U.	286	18,002	6,690	1,544	7,410	939	1,419	0
Florida Institute of Technology	287	17,876	10,352	1,218	4,854	453	579	420
U. North Carolina, Wilmington	288	17,515	7,174	6,472	2,444	964	396	65
Clarkson U.	289	17,147	8,551	1,292	5,140	1,196	845	123
Central Michigan U.	290	17,102	8,100	77	7,798	43	806	278
Bowling Green State U.	291	17,026	5,852	1,443	9,126	37	461	107
Duquesne U.	292	16,947	4,552	812	9,191	266	2,118	8

TABLE 5

Higher education R&D expenditures at higher education institutions in both survey populations, ranked by all R&D expenditures, by source of funds: FY 2019

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds							
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources		
U. Texas Health Science Center, Tyler	293	16,538	5,626	2,226	5,640	725	2,320	1		
North Carolina Central U.	294	16,227	13,503	233	NA	262	980	1,249		
Rosalind Franklin U. of Medicine and Science	295	16,126	8,865	45	4,788	1,500	922	6		
California State U., San Bernardino	296	16,062	8,651	4,458	2,903	30	20	0		
U. New Orleans	297	15,328	4,353	1,048	7,869	522	864	672		
Tennessee State U.	298	15,236	8,962	752	5,443	66	13	0		
Humboldt State U.	299	15,076	2,103	5,377	3,410	313	1,899	1,974		
Idaho State U.	300	14,972	7,547	1,177	5,007	818	200	223		
Alcorn State U.	301	14,435	7,540	4,725	2,133	37	0	0		
U. Nebraska, Omaha	302	14,302	8,807	1,730	2,842	109	738	76		
East Tennessee State U.	303	14,197	7,688	112	2,547	641	2,925	284		
Tennessee Technological U.	304	13,801	6,153	4,544	2,751	69	170	114		
Charles R. Drew U. of Medicine and Science	305	13,739	10,427	455	2,622	0	235	0		
U. Missouri, Saint Louis	306	13,697	6,890	94	4,746	43	1,213	711		
U.S. Naval Academy	307	13,621	12,991	0	275	0	355	0		
Hampton U.	308	13,605	13,390	0	215	0	0	0		
New School	309	13,421	1,819	466	3,459	211	6,091	1,375		
Morgan State U.	310	13,253	11,952	336	507	278	58	122		
Tarleton State U.	311	13,171	4,632	2,946	5,383	96	79	35		
South Dakota School of Mines and Technology	312	12,973	9,283	1,101	1,638	680	229	42		
Alabama A&M U.	313	12,840	8,277	4,405	19	139	0	0		
Montana Technological U.	314	12,731	4,926	5,736	1,548	511	0	10		
Embry-Riddle Aeronautical U.	315	12,478	8,970	0	1,001	1,187	132	1,188		
California State U., Los Angeles	316	12,476	9,288	103	2,624	0	461	0		
U. Baltimore	317	12,451	9,103	1,985	NA	34	937	392		
U. North Florida	318	12,341	4,017	1,693	6,457	76	86	12		
CUNY, John Jay C. of Criminal Justice	319	12,295	4,971	808	2,240	2,421	512	1,343		
U. Guam	320	12,249	9,339	1,742	1,146	3	19	0		
U. of the Virgin Islands	321	12,236	10,445	359	1,385	47	0	0		
U. Hawaii, system office	322	12,159	12,052	0	107	0	0	0		
Ball State U.	323	12,145	2,929	758	7,734	391	333	0		
Western Washington U.	324	11,983	3,978	702	5,916	238	1,129	20		
Texas Tech U., Health Sciences Center, El Paso	325	11,883	2,279	2,544	6,306	363	335	56		
U. South Florida, Saint Petersburg	326	11,686	3,121	2,480	5,766	28	273	18		
Virginia State U.	327	11,457	6,636	1,527	2,262	71	954	7		
Ponce Health Sciences U.	328	11,390	8,339	450	0	0	0	2,601		
Georgia Southern U.	329	11,166	1,780	265	4,610	4,511	0	0		
U.S. Military Academy	330	10,765	10,528	0	0	237	0	0		
Langston U.	331	10,719	6,622	0	3,856	241	0	0		
California State U., San Marcos	332	10,595	9,134	1,394	48	0	19	0		
Midwestern U.	333	10,343	1,045	50	8,670	308	270	0		

TABLE 5

Higher education R&D expenditures at higher education institutions in both survey populations, ranked by all R&D expenditures, by source of funds: FY 2019

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Montclair State U.	334	10,225	4,164	331	904	117	4,604	105
Clark U.	335	10,193	3,495	181	5,162	43	1,295	17
Xavier U. Louisiana	336	10,152	8,679	514	932	0	27	0
William Paterson U.	337	10,122	1,592	0	8,476	1	53	0
U. Arkansas, Little Rock	338	9,975	6,688	673	2,089	162	363	0
Wesleyan U.	339	9,958	4,793	145	3,921	37	903	159
Bryn Mawr C.	340	9,846	1,801	0	7,726	0	319	0
St. Edward's U.	341	9,650	6,500	1,500	700	150	500	300
CUNY, Graduate School of Public Health and Health Policy	342	9,521	5,572	1,190	1,518	328	913	0
Rhode Island C.	343	9,480	3,332	5,573	107	1	467	0
Sam Houston State U.	344	9,445	3,723	183	5,310	53	115	61
Salisbury U.	345	9,368	2,290	3,477	3,475	7	119	0
Western Kentucky U.	346	9,281	3,391	378	5,202	184	85	41
U. Tennessee, Chattanooga	347	9,280	2,393	1,195	4,945	217	354	176
Clark Atlanta U.	348	9,048	5,689	0	3,207	22	130	0
U. Arkansas, Pine Bluff	349	9,024	4,299	2,103	2,562	0	60	0
Arkansas State U., Jonesboro	350	8,945	4,876	3,010	781	209	6	63
U. Michigan, Dearborn	351	8,813	1,850	2	3,871	2,871	179	40
Wellesley C.	352	8,810	3,602	115	0	143	4,508	442
Pacific U.	353	8,753	3,917	317	2,356	397	1,766	0
James Madison U.	354	8,726	2,717	59	5,170	221	490	69
Claremont Graduate U.	355	8,715	1,886	321	2,809	1,056	2,527	116
California State U., East Bay	356	8,640	2,651	1,289	4,054	379	267	0
California State U., Fresno	357	8,599	2,900	2,612	2,486	195	341	65
Kentucky State U.	358	8,433	4,692	3,626	10	72	33	0
CUNY, Advanced Science Research Center	359	8,310	6,859	17	706	288	141	299
Indiana U. Pennsylvania	360	8,119	1,810	321	5,515	9	464	0
Norfolk State U.	361	8,050	8,046	0	4	0	0	0
U. Washington, Bothell	362	7,950	3,353	111	915	184	3,366	21
Middle Tennessee State U.	363	7,673	2,473	474	3,955	237	113	421
C. Charleston	364	7,610	4,395	249	2,298	4	638	26
California State U., Bakersfield	365	7,591	4,376	90	2,753	60	0	312
U. New England	366	7,346	5,269	0	1,885	48	139	5
Loyola Marymount U.	367	7,272	1,185	591	4,924	0	571	1
Edward Via C. of Osteopathic Medicine	368	7,225	749	2	5,932	139	403	0
Eastern Michigan U.	369	7,175	2,135	36	4,654	91	245	14
California State U., Fullerton	370	7,173	4,340	298	1,872	198	465	0
U. Maryland, Eastern Shore	371	7,133	6,983	109	0	41	0	0
CUNY, Brooklyn C.	372	7,064	4,463	109	1,879	41	501	71
Seton Hall U.	373	7,056	3,982	1,871	120	232	851	0
U. Hawaii, Hilo	374	6,864	4,924	281	1,035	121	440	63
West Chester U. Pennsylvania	375	6,777	715	27	5,522	25	376	112
U. Southern Maine	376	6,654	2,551	3,839	161	0	88	15
Grand Valley State U.	377	6,592	1,663	190	3,423	39	877	400
Texas Christian U.	378	6,552	2,866	590	1,144	1,531	240	181

TABLE 5

Higher education R&D expenditures at higher education institutions in both survey populations, ranked by all R&D expenditures, by source of funds: FY 2019

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
California State U., Monterey Bay	379	6,444	3,746	1,397	849	42	410	0
U. Oklahoma, Tulsa	380	6,373	1,803	240	2,649	209	1,084	388
Amherst C.	381	6,325	2,118	0	2,894	0	154	1,159
Claremont McKenna C.	382	6,214	730	38	4,915	0	531	0
DePaul U.	383	6,144	4,464	6	1,132	36	473	33
California State Polytechnic U., Pomona	384	6,099	3,555	994	1,094	447	9	0
Texas A&M International U.	385	6,068	1,847	1,077	1,555	54	1,498	37
Smith C.	386	6,041	2,892	0	1,658	21	1,470	0
U. San Diego	387	6,036	2,511	135	2,823	0	273	294
New Jersey City U.	388	5,961	3,142	1,421	1,238	10	140	10
Missouri State U.	389	5,910	5,076	90	567	140	37	0
Florida Gulf Coast U.	390	5,907	3,773	877	103	24	1,130	0
West Virginia State U.	391	5,829	4,592	886	318	33	0	0
New York Institute of Technology	392	5,820	3,135	188	2,059	6	432	0
U. Central Oklahoma	393	5,682	1,457	607	3,546	69	3	0
Bucknell U.	394	5,625	1,764	80	3,201	214	355	11
Azusa Pacific U.	395	5,598	137	0	5,461	0	0	0
Grinnell C.	396	5,500	364	0	4,580	0	344	212
Southern U. and A&M C., Agricultural Research and Extension Center	397	5,448	3,057	2,323	68	0	0	0
West Texas A&M U.	398	5,437	1,565	1,587	1,197	963	62	63
Oklahoma State U., Center for Health Sciences	399	5,408	985	135	4,159	129	0	0
CUNY, Graduate Center	400	5,399	3,009	152	70	0	1,077	1,091
Gallaudet U.	401	5,382	2,190	0	2,436	1	153	602
Purdue U., Northwest	402	5,272	2,493	609	1,311	640	137	82
U. Detroit Mercy	403	5,210	4,936	0	121	12	141	0
Williams C.	404	5,188	1,131	0	1,758	0	145	2,154
Alfred U.	405	5,153	1,580	1,059	1,882	632	0	0
Long Island U.	406	5,113	1,839	11	2,935	173	155	0
U. New Haven	407	5,062	2,786	559	542	490	685	0
Naval War C.	408	5,060	5,060	0	0	0	0	0
Franklin and Marshall C.	409	5,041	1,582	321	2,375	208	265	290
Western U. of Health Sciences	410	4,951	3,035	655	175	839	194	53
U. Massachusetts, central office	411	4,916	488	3,226	240	323	578	61
Texas Southern U.	412	4,893	3,238	922	662	36	35	0
Lamar U.	413	4,848	2,641	902	695	131	333	146
U. of the District of Columbia	414	4,800	3,283	62	1,455	0	0	0
Oregon Institute of Technology	415	4,793	437	2,585	488	1,126	157	0
Fisk U.	416	4,748	4,615	0	0	47	86	0
U. Colorado Colorado Springs	417	4,720	3,072	682	424	471	71	0
Fayetteville State U.	418	4,695	2,168	476	1,793	168	90	0
CUNY, Lehman C.	419	4,690	3,342	0	787	0	0	561
Southern Connecticut State U.	420	4,627	803	160	3,471	6	108	79

TABLE 5

Higher education R&D expenditures at higher education institutions in both survey populations, ranked by all R&D expenditures, by source of funds: FY 2019

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
U. North Carolina, Asheville	421	4,602	1,846	203	418	13	2,122	0
Lincoln U., Jefferson City	422	4,581	2,700	1,881	NA	0	0	0
U. Northern Colorado	423	4,571	1,966	235	1,940	14	416	0
Morehouse C.	424	4,564	4,494	0	0	0	0	70
Fort Valley State U.	425	4,563	4,434	0	129	0	0	0
Southern U. and A&M C., Baton Rouge	426	4,492	3,243	290	704	255	0	0
Texas Woman's U.	427	4,477	1,864	559	1,321	126	607	0
Youngstown State U.	428	4,447	2,878	665	798	34	71	1
Carleton C.	429	4,388	1,891	98	1,955	0	423	21
National Defense U.	430	4,231	4,231	0	0	0	0	0
Swarthmore C.	431	4,203	1,539	0	2,344	0	320	0
U. North Carolina, general administration	432	4,154	213	3,941	0	0	0	0
MGH Institute of Health Professions	433	4,130	3,494	0	20	0	616	0
Milwaukee School of Engineering	434	4,026	764	93	0	3,141	14	14
Barnard C.	435	4,010	2,871	0	656	136	347	0
CUNY, C. Staten Island	436	3,986	2,421	680	408	175	64	238
U. Central del Caribe	437	3,953	2,705	215	1,002	0	0	31
U. Ana G. Mendez, Gurabo	438	3,945	951	0	2,994	0	0	0
Roseman U. of Health Sciences	439	3,916	17	8	3,746	56	89	0
Pace U.	440	3,855	2,579	7	1,183	18	64	4
Memorial Sloan Kettering Cancer Center, Louis V. Gerstner Jr. Graduate S. of Biomedical Sciences	441	3,769	191	0	3,576	0	2	0
Central State U.	442	3,766	2,517	1,249	0	0	0	0
Colgate U.	443	3,756	1,202	0	2,313	0	241	0
Haverford C.	444	3,752	2,343	0	919	0	219	271
U. of the Sciences Philadelphia	445	3,740	1,318	76	745	1,117	484	0
Trinity U.	446	3,736	924	0	1,431	0	1,216	165
Dakota State U.	447	3,710	3,008	129	538	33	2	0
Murray State U.	447	3,710	2,639	22	982	67	0	0
Toyota Technological Institute, Chicago	449	3,681	1,934	0	1,325	305	117	0
Stephen F. Austin State U.	450	3,679	1,332	1,430	543	21	184	169
South Carolina State U.	451	3,659	3,659	NA	NA	NA	NA	NA
U. Northern Iowa	452	3,628	2,343	301	808	135	41	0
Touro U.	453	3,543	1,540	37	1,917	4	45	0
U. Central Arkansas	454	3,477	1,462	359	1,484	30	142	0
U. Washington, Tacoma	455	3,471	2,808	452	184	0	26	1
U. Wisconsin-Stevens Point	456	3,464	1,096	960	1,111	71	153	73
Towson U.	457	3,423	2,144	19	851	75	303	31
Pennsylvania State U., Behrend	458	3,414	1,427	75	1,092	515	305	0
Texas A&M U.-Commerce	459	3,403	836	296	1,756	31	184	300
Minnesota State U., Mankato	460	3,392	708	179	1,339	0	951	215
Albany C. of Pharmacy and Health Sciences	461	3,383	1,692	0	744	901	40	6

TABLE 5

Higher education R&D expenditures at higher education institutions in both survey populations, ranked by all R&D expenditures, by source of funds: FY 2019

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Tougaloo C.	462	3,380	3,380	0	0	0	0	0
Harvey Mudd C.	463	3,353	1,619	0	1,208	201	191	134
St. Cloud State U.	464	3,275	733	159	1,180	743	460	0
Appalachian State U.	465	3,268	1,332	337	657	580	357	5
Reed C.	466	3,240	1,423	23	1,558	0	236	0
California State U., Chico	467	3,232	1,864	523	456	36	100	253
Central Washington U.	468	3,223	2,159	322	460	21	115	146
Rutgers, State U. New Jersey, Camden	469	3,211	1,096	86	1,370	120	537	2
Philadelphia C. of Osteopathic Medicine	470	3,162	346	0	2,368	0	448	0
Colorado State U., Pueblo	471	3,107	1,282	1,725	89	0	0	11
U. of the Pacific	472	3,078	2,158	404	NA	33	483	0
Skidmore C.	473	3,012	2,261	0	465	0	286	0
Bowdoin C.	474	2,991	1,790	31	758	1	411	0
Pomona C.	475	2,985	863	8	1,468	0	646	0
Mount Holyoke C.	476	2,979	2,074	41	398	0	466	0
SUNY, C. of Optometry	477	2,968	1,823	0	350	711	84	0
California State U., Maritime Academy	478	2,959	617	155	71	2,116	0	0
U. Nebraska, Kearney	479	2,919	1,240	695	891	45	14	34
Saint Joseph's U.	480	2,851	373	769	1,260	4	245	200
Grambling State U.	481	2,836	1,066	670	1,100	0	0	0
Saginaw Valley State U.	482	2,818	2,339	19	271	1	159	29
Pennsylvania State U., Harrisburg	483	2,805	80	596	1,525	188	416	0
U. Richmond	484	2,783	1,575	0	815	0	382	11
Dillard U.	485	2,772	1,390	185	732	0	98	367
Spelman C.	486	2,751	2,004	0	560	187	0	0
Lewis and Clark C.	487	2,750	931	0	1,483	0	336	0
Hope C.	488	2,745	1,361	0	281	0	1,103	0
U. San Francisco	489	2,712	198	257	1,723	0	534	0
CUNY, New York City C. of Technology	490	2,711	1,891	5	256	554	5	0
U. Wisconsin-La Crosse	491	2,692	777	700	469	518	199	29
Northwest Indian C.	492	2,659	2,520	0	24	0	115	0
Stockton U.	493	2,634	553	1,787	289	0	5	0
Western Carolina U.	494	2,633	1,736	154	477	113	153	0
CUNY, system office	495	2,619	2,241	23	109	0	131	115
Alabama State U.	496	2,577	2,577	0	0	0	0	0
Elon U.	497	2,545	284	0	2,179	37	42	3
Pittsburg State U.	498	2,513	339	976	NA	1,025	173	0
U. South Carolina, Aiken	499	2,481	2,379	0	99	0	3	0
Northeastern Illinois U.	500	2,478	2,478	0	0	0	0	0
Occidental C.	501	2,458	1,614	164	NA	291	389	0
Jacksonville State U.	502	2,429	2,312	0	100	17	0	0
Yeshiva U.	503	2,420	380	0	869	0	381	790
Purdue U., Fort Wayne	504	2,416	544	423	879	135	144	291
CUNY, Baruch C.	505	2,387	1,359	98	570	0	330	30

TABLE 5

Higher education R&D expenditures at higher education institutions in both survey populations, ranked by all R&D expenditures, by source of funds: FY 2019

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Western Illinois U.	506	2,373	1,495	182	344	94	0	258
U. Louisiana, Monroe	507	2,364	1,949	179	94	2	140	0
Northern Kentucky U.	508	2,363	1,316	105	769	33	140	0
St. John's U., New York	509	2,352	1,666	0	405	162	105	14
Sul Ross State U.	509	2,352	339	160	593	52	622	586
Santa Clara U.	511	2,319	1,333	210	NA	250	526	0
Austin Peay State U.	512	2,285	295	1,295	486	196	0	13
Erikson Institute	513	2,279	753	588	179	0	759	0
U. Wisconsin-Superior	514	2,250	1,527	125	510	39	2	47
Colorado C.	515	2,233	324	303	1,039	0	567	0
High Tech High Graduate School of Ed.	516	2,223	0	0	0	0	2,223	0
Seattle U.	516	2,223	1,307	78	312	2	362	162
U. Houston-Downtown	518	2,216	1,437	99	368	0	312	0
Winthrop U.	519	2,189	1,438	99	477	7	168	0
Kean U.	520	2,174	1,289	203	600	55	27	0
Wheaton C., Wheaton	521	2,173	301	0	950	2	920	0
Pepperdine U.	522	2,170	914	54	1,059	0	143	0
Johnson C. Smith U.	523	2,148	1,909	100	0	0	139	0
SUNY, Geneseo	524	2,139	1,206	15	903	0	15	0
Bates C.	525	2,135	1,607	0	284	0	101	143
SUNY, Buffalo State	526	2,124	1,225	435	209	37	209	9
Polytechnic U. Puerto Rico	527	2,118	1,884	0	234	0	0	0
Keck Graduate Institute	528	2,095	1,078	0	673	139	34	171
U. Wisconsin-Green Bay	529	2,083	821	502	640	41	77	2
Oberlin C.	530	2,076	1,576	0	469	3	28	0
U. North Georgia	531	2,068	637	29	861	1	540	0
U. Texas, Tyler	532	2,063	813	295	541	247	73	94
Northwestern State U. Louisiana	533	2,058	579	1,235	244	0	0	0
Niagara U.	534	2,057	355	275	620	0	807	0
Suffolk U.	535	2,056	905	20	971	0	160	0
Hamilton C.	536	2,050	190	0	1,302	0	491	67
Coastal Carolina U.	537	2,042	1,294	177	42	1	517	11
Black Hills State U.	538	2,031	1,535	147	349	0	0	0
Morehead State U.	539	2,028	1,651	50	317	0	10	0
Eastern Washington U.	540	2,024	864	906	NA	123	84	47
Winston-Salem State U.	541	2,011	2,011	0	NA	0	0	0
Florida Polytechnic U.	542	2,006	338	1,289	369	2	1	7
Hawaii Pacific U.	543	1,980	1,809	0	136	0	35	0
Southeastern Louisiana U.	544	1,971	803	174	782	12	168	32
Christopher Newport U.	545	1,961	1,285	43	265	111	90	167
California State U., Dominguez Hills	546	1,957	1,261	27	653	7	0	9
Des Moines U.	547	1,954	845	320	680	21	88	0
Willamette U.	548	1,953	549	4	861	0	539	0
West Virginia School of Osteopathic Medicine	549	1,951	414	8	1,528	0	1	0

TABLE 5

Higher education R&D expenditures at higher education institutions in both survey populations, ranked by all R&D expenditures, by source of funds: FY 2019

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Hobart and William Smith Colleges	550	1,919	1,047	329	453	0	90	0
Bowie State U.	551	1,911	1,911	0	0	0	0	0
Connecticut C.	552	1,894	752	0	1,089	0	53	0
U. Illinois, Springfield	553	1,876	980	44	774	4	74	0
U. South Florida, Sarasota-Manatee	554	1,872	0	0	1,859	0	12	1
U. of St. Thomas (MN)	555	1,870	313	380	603	287	249	38
U. Puerto Rico, Cayey	555	1,870	963	0	722	0	185	0
Trinity C., Hartford	557	1,858	1,077	0	582	4	195	0
Colby C.	558	1,852	1,093	1	512	0	0	246
Roger Williams U.	558	1,852	1,135	138	502	33	44	0
Babson C.	560	1,845	14	0	868	101	198	664
Macalester C.	561	1,808	805	95	797	0	111	0
Mercyhurst U.	562	1,801	668	555	578	0	0	0
U. of the Incarnate Word	563	1,800	1,075	52	462	0	208	3
SUNY, Oswego	564	1,781	628	66	1,028	0	48	11
Liberty U.	565	1,780	535	344	596	51	254	0
Davidson C.	566	1,777	973	0	642	4	158	0
Alaska Pacific U.	567	1,774	451	5	0	1,312	0	6
Kettering U.	568	1,765	402	0	720	602	41	0
C. Wooster	569	1,758	456	0	997	0	297	8
Clafin U.	570	1,746	1,735	0	0	0	11	0
Hofstra U.	571	1,744	1,296	51	206	58	99	34
Union C., Schenectady	572	1,740	972	19	637	26	61	25
SUNY, C. Plattsburgh	573	1,729	1,197	59	472	0	1	0
Savannah State U.	574	1,720	1,709	11	0	0	0	0
U. Wisconsin-Oshkosh	575	1,713	1,282	0	0	0	0	431
Indiana State U.	576	1,682	1,190	142	186	70	94	0
Ithaca C.	577	1,678	1,330	0	180	73	17	78
Gettysburg C.	578	1,664	841	0	186	59	394	184
Eastern Connecticut State U.	579	1,659	181	12	1,466	0	0	0
Middlebury C.	580	1,657	1,558	0	40	6	53	0
Sonoma State U.	581	1,656	1,166	72	260	30	128	0
Franklin W. Olin C. of Engineering	582	1,655	162	0	574	92	697	130
Palmer C. of Chiropractic, Davenport	583	1,650	1,100	0	550	0	0	0
Mills C.	584	1,643	840	61	49	0	693	0
U. Texas of the Permian Basin	585	1,642	596	196	433	0	417	0
Furman U.	586	1,628	1,106	0	403	0	119	0
CUNY, York C.	587	1,621	1,511	0	88	22	0	0
La Sierra U.	588	1,581	640	0	403	0	538	0
Calvin U.	589	1,577	925	32	5	99	188	328
California State U., Channel Islands	590	1,572	500	704	337	21	0	10
Lafayette C.	591	1,554	910	10	598	36	0	0
Framingham State U.	592	1,540	1,452	88	0	0	0	0
U. Wisconsin-Eau Claire	593	1,530	748	338	260	68	114	2

TABLE 5

Higher education R&D expenditures at higher education institutions in both survey populations, ranked by all R&D expenditures, by source of funds: FY 2019

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
U. Hartford	594	1,528	1,019	0	486	23	0	0
Northern Michigan U.	595	1,520	311	2	1,027	86	38	56
Troy U.	596	1,507	1,355	3	141	8	0	0
Albany State U.	597	1,491	1,065	256	0	170	0	0
California State U., Stanislaus	598	1,477	964	78	96	277	62	0
Fort Lewis C.	599	1,460	1,284	61	85	7	23	0
U. Michigan, Flint	600	1,448	122	205	855	131	121	14
Marshall B. Ketchum U.	601	1,430	336	0	725	369	0	0
CUNY, Medgar Evers C.	602	1,397	954	0	383	0	60	0
SUNY, C. Brockport	603	1,390	638	244	480	0	7	21
Central Connecticut State U.	604	1,381	540	339	463	0	39	0
U. Houston-Clear Lake	605	1,370	718	431	39	51	131	0
Bradley U.	606	1,357	515	49	265	515	0	13
Lawrence Technological U.	607	1,352	304	224	96	279	449	0
U. Alaska, Southeast	608	1,341	1,235	87	2	2	15	0
New Mexico Highlands U.	609	1,333	1,128	0	0	0	64	141
U. of Mary Washington	610	1,315	577	35	577	0	94	32
Monmouth U.	611	1,294	120	735	62	21	321	35
Fairfield U.	612	1,279	594	0	164	0	521	0
Benedict C.	613	1,269	1,226	14	0	0	29	0
Salish Kootenai C.	614	1,252	1,251	0	0	0	1	0
National U. of Natural Medicine	615	1,245	760	0	308	172	0	5
Heidelberg U.	616	1,237	164	651	178	62	182	0
U. Minnesota, Morris	617	1,234	195	18	1,011	0	10	0
New England C. of Optometry	618	1,223	928	0	174	44	77	0
Saint Michael's C.	619	1,200	964	0	236	0	0	0
C. New Jersey	620	1,199	985	30	10	109	63	2
U. Puerto Rico, Humacao	621	1,195	828	0	367	0	0	0
Saint John's U., Collegetown	622	1,191	0	0	1,191	0	0	0
Manhattan C.	623	1,190	245	220	430	295	0	0
Elizabeth City State U.	624	1,189	1,183	0	NA	0	0	6
Biola U.	625	1,155	641	18	294	77	95	30
Emerson C.	626	1,145	138	184	398	8	417	0
California Lutheran U.	627	1,143	256	5	880	0	2	0
Fort Hays State U.	627	1,143	694	326	123	0	0	0
La Salle U.	629	1,135	45	0	1,090	0	0	0
U. Wisconsin-River Falls	630	1,130	559	172	56	185	0	158
Andrews U.	631	1,126	278	0	615	0	233	0
C. of Saint Benedict	631	1,126	45	0	1,081	0	0	0
Dine C.	631	1,126	1,126	0	0	0	0	0
Eastern Kentucky U.	634	1,125	598	82	328	2	13	102
Citadel Military C. South Carolina	635	1,120	835	0	176	0	11	98
Midwestern State U.	636	1,100	619	61	350	0	70	0
U. Ana G. Mendez, Carolina	637	1,099	696	0	403	0	0	0
Merrimack C.	638	1,097	581	0	167	0	349	0
Doane U.	639	1,093	928	0	148	0	17	0
Kenyon C.	640	1,092	776	0	176	0	140	0

TABLE 5

Higher education R&D expenditures at higher education institutions in both survey populations, ranked by all R&D expenditures, by source of funds: FY 2019

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds						
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources	
U. Wisconsin-Platteville	641	1,084	339	276	183	248	29	9	
Whitman C.	642	1,083	704	0	207	0	172	0	
Weber State U.	643	1,081	380	262	48	7	7	377	
Keene State C.	644	1,061	1,022	0	39	0	0	0	
St. Bonaventure U.	645	1,049	243	2	37	2	1	764	
Providence C.	646	1,042	857	0	152	0	33	0	
Albion C.	647	1,040	180	0	860	0	0	0	
U. Puget Sound	648	1,039	547	0	162	0	204	126	
Dickinson C.	649	1,037	324	111	350	0	209	43	
U. California, Hastings C. of Law	650	1,034	333	21	5	0	675	0	
Rhode Island School of Design	651	1,027	246	44	450	234	53	0	
Stonehill C.	652	1,019	671	0	348	0	0	0	
St. Olaf C.	653	1,010	255	10	638	0	107	0	
Vassar C.	654	1,009	909	0	53	0	19	28	
U.S. Army War C.	655	1,000	567	107	231	31	46	18	
Norwich U.	656	992	768	68	138	8	10	0	
Augsburg U.	657	991	496	0	441	0	0	54	
Mississippi Valley State U.	658	986	977	0	9	0	0	0	
Quinnipiac U.	659	980	467	53	268	43	131	18	
Abilene Christian U.	660	979	382	0	155	0	442	0	
Indiana U., South Bend	661	968	234	10	699	6	19	0	
U. Houston system administration	662	965	0	437	528	0	0	0	
New C. Florida	663	962	199	0	356	328	24	55	
Arkansas Tech U.	664	961	472	3	414	72	0	0	
Hult International Business School	665	959	450	22	313	35	99	40	
Canisius C.	666	950	943	0	0	0	7	0	
Siena C.	667	944	550	51	333	0	2	8	
U. Portland	668	942	218	292	189	2	241	0	
Dordt C.	669	920	768	1	87	0	64	0	
West Liberty U.	670	908	514	165	218	0	11	0	
Hendrix C.	671	902	805	5	92	0	0	0	
Chicago State U.	672	898	898	0	0	0	0	0	
San Juan Bautista School of Medicine	673	896	604	0	252	0	40	0	
Plymouth State U.	674	880	744	0	72	5	24	35	
Radford U.	675	879	372	53	208	0	246	0	
Sewanee: U. of the South	676	867	34	0	490	0	211	132	
Drake U.	677	865	463	11	236	7	146	2	
St. Mary's U., San Antonio	677	865	737	0	106	22	0	0	
American Samoa Community C.	679	860	860	0	0	0	0	0	
Salus U.	680	854	696	13	77	60	8	0	
Fielding Graduate U.	681	852	593	0	259	0	0	0	
Augustana U.	682	841	784	0	57	0	0	0	
Pacific Northwest U. of Health Sciences	683	833	743	0	50	0	20	20	

TABLE 5

Higher education R&D expenditures at higher education institutions in both survey populations, ranked by all R&D expenditures, by source of funds: FY 2019

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
U. Hawaii, Maui C.	683	833	821	0	12	0	0	0
Lake Superior State U.	685	830	190	113	405	41	0	81
Saint Francis U.	686	829	25	57	39	0	256	452
Dominican U. California	687	828	705	0	0	0	123	0
Roanoke C.	688	826	14	0	753	19	26	14
Angelo State U.	689	815	32	568	48	71	92	4
Southern Utah U.	690	812	673	0	137	0	2	0
Gustavus Adolphus C.	691	808	370	44	92	17	155	130
Fairleigh Dickinson U.	692	791	767	6	0	0	18	0
Millersville U. Pennsylvania	693	782	574	12	159	0	5	32
Emporia State U.	694	777	611	19	110	10	27	0
Ursinus C.	695	768	565	119	0	0	84	0
Widener U., Chester	696	764	342	0	0	415	2	5
Valparaiso U.	697	763	712	3	0	0	48	0
U. Wisconsin-Whitewater	698	757	602	76	0	19	52	8
Nicholls State U.	699	738	129	225	77	36	271	0
Bethune-Cookman U.	700	735	735	0	0	0	0	0
Governors State U.	700	735	735	0	0	0	0	0
Bloomsburg U. Pennsylvania	702	734	218	24	446	29	15	2
Virginia Military Institute	703	727	234	27	422	8	36	0
Seattle Pacific U.	704	724	647	0	59	3	5	10
Western Connecticut State U.	705	713	539	32	142	0	0	0
Cooper Union for the Advancement of Science and Art	706	710	213	244	188	41	0	24
U.S. Coast Guard Academy	707	708	565	10	0	0	0	133
Indiana Wesleyan U.	708	706	329	0	376	0	1	0
Regis U.	708	706	543	0	116	0	47	0
Nevada State C.	710	701	700	0	0	0	1	0
Eastern Illinois U.	711	700	408	85	153	15	39	0
Coe C.	712	699	353	46	102	34	5	159
Oglala Lakota C.	713	683	683	0	0	0	0	0
Butler U.	714	680	211	152	270	0	47	0
Pennsylvania State U., Altoona	714	680	134	21	383	0	142	0
East Stroudsburg U. Pennsylvania	716	677	460	0	138	0	79	0
U. Wisconsin-Stout	717	668	341	162	146	0	16	3
Oakwood U.	718	666	401	0	149	0	116	0
Loyola U., Maryland	719	663	383	2	234	0	42	2
International Technological U.	720	660	0	0	660	0	0	0
John Carroll U.	721	658	480	13	86	0	0	79
U. Puerto Rico, Ponce	722	651	551	0	100	0	0	0
A. T. Still U.	723	644	434	0	87	1	122	0
U. Bridgeport	724	642	56	0	499	52	35	0
U. Minnesota, Rochester	725	639	34	0	605	0	0	0
Kalamazoo C.	726	635	221	4	299	0	111	0
SUNY, Delhi	727	634	166	437	0	1	30	0
Allegheny C.	728	632	217	5	248	0	160	2

TABLE 5

Higher education R&D expenditures at higher education institutions in both survey populations, ranked by all R&D expenditures, by source of funds: FY 2019

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Rollins C.	729	626	160	0	329	0	137	0
U. Ana G. Mendez, Cupey	730	624	608	0	16	0	0	0
SUNY, Oneonta	731	623	428	15	138	0	42	0
U. North Carolina, Pembroke	732	620	599	0	0	0	21	0
Georgia Gwinnett C.	733	610	377	164	69	0	0	0
MCPHS U.	734	606	122	0	453	6	21	4
Saint Mary's U. Minnesota	735	603	491	22	27	0	63	0
Lewis-Clark State C.	736	599	599	0	0	0	0	0
Utica C.	737	598	0	0	598	0	0	0
Southern U., New Orleans	738	596	401	195	0	0	0	0
Bluefield State C.	739	595	593	2	0	0	0	0
Northern New Mexico C.	740	581	581	0	0	0	0	0
Denison U.	741	577	240	0	167	0	170	0
Metropolitan State U. of Denver	742	574	444	0	110	0	20	0
Louisiana State U., Shreveport	743	572	366	26	156	17	6	1
Lake Erie C. of Osteopathic Medicine	744	565	0	0	370	0	195	0
Evergreen State C.	745	563	405	85	0	66	7	0
Sacred Heart U.	745	563	134	10	265	0	154	0
Juniata C.	747	560	365	6	122	25	9	33
Indiana U., Southeast	748	557	27	62	415	0	53	0
Gannon U.	749	555	18	1	174	245	117	0
Berry C.	750	553	217	0	316	0	20	0
Wilkes U.	751	549	97	49	372	5	26	0
Georgia C. and State U.	752	548	440	0	33	64	5	6
Montana State U., Billings	753	545	435	0	100	10	0	0
Manchester U.	754	541	333	0	104	0	0	104
Muhlenberg C.	755	539	194	0	304	0	41	0
Sarah Lawrence C.	756	532	93	33	365	20	20	1
U. South Carolina, Beaufort	756	532	98	9	245	0	180	0
SUNY, C. Cortland	758	527	397	16	0	0	1	113
U. Maine Farmington	759	526	298	56	122	16	24	10
Arcadia U.	760	522	341	59	0	0	122	0
Indiana U., Northwest	761	509	148	0	357	0	4	0
Lawrence U.	762	508	81	24	61	0	223	119
U. West Georgia	762	508	236	118	4	93	57	0
Centre C.	764	506	88	0	282	0	103	33
Southwestern Oklahoma State U.	765	504	218	109	163	0	14	0
Salve Regina U.	766	495	490	5	0	0	0	0
Maryland Institute C. of Art	767	494	96	47	62	23	99	167
SUNY, New Paltz	767	494	208	0	151	25	110	0
U. Tampa	769	489	114	0	353	0	22	0
Winona State U.	770	480	168	189	116	0	7	0
C. of the Holy Cross	771	477	449	0	0	0	28	0
Stetson U.	772	476	372	10	92	0	0	2
Eastern Oregon U.	773	472	381	19	68	0	4	0
Simmons U.	773	472	293	0	91	0	0	88

TABLE 5

Higher education R&D expenditures at higher education institutions in both survey populations, ranked by all R&D expenditures, by source of funds: FY 2019

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Touro C.	775	470	137	0	325	8	0	0
Pitzer C.	776	468	140	0	239	0	0	89
Bentley U.	777	465	78	0	0	0	387	0
U. Puerto Rico, Aguadilla	777	465	235	148	82	0	0	0
Kutztown U. Pennsylvania	779	464	337	19	108	0	0	0
Linfield C.	779	464	167	0	188	0	109	0
U. West Alabama	781	462	390	43	5	2	22	0
Western State Colorado U.	782	460	318	13	0	113	16	0
Earlham C.	783	456	19	6	89	3	3	336
Lake Forest C.	784	452	137	0	301	0	14	0
Luther C.	785	451	186	34	204	0	18	9
Goucher C.	786	450	207	0	186	0	0	57
Keiser U.	786	450	0	450	0	0	0	0
U. Scranton	786	450	127	11	260	0	52	0
Northwest Nazarene U.	789	447	268	0	171	0	8	0
Loyola U., New Orleans	790	443	140	1	NA	19	283	NA
Eckerd C.	791	435	162	5	36	163	69	0
Coker C.	792	434	347	0	29	0	58	0
Northeastern State U.	793	432	360	1	48	23	0	0
Claremont School of Theology	794	431	0	0	291	0	140	0
Texas A&M U.-Central Texas	795	428	45	250	71	0	62	0
Southern Oregon U.	796	424	235	102	31	47	9	0
Valdosta State U.	796	424	102	42	122	157	1	0
Whitworth U.	798	421	103	36	126	0	156	0
Pennsylvania State U., Great Valley School of Graduate Professional Studies	799	419	90	0	329	0	0	0
Cornell C.	800	417	223	5	35	0	85	69
U. Central Missouri	801	415	219	81	47	26	33	9
East Central U.	802	394	373	15	0	4	2	0
Indiana U., Kokomo	803	393	6	40	328	0	19	0
Bastyr U.	804	389	50	0	80	34	100	125
Whittier C.	805	388	75	0	190	0	123	0
D'Youville C.	806	383	174	0	134	0	75	0
United Tribes Technical C.	807	379	358	0	13	0	8	0
Austin C.	808	376	100	0	157	0	119	0
Westmont C.	808	376	118	0	181	0	77	0
Colorado Mesa U.	810	372	189	9	33	9	132	0
Southeast Missouri State U.	810	372	233	105	31	3	0	0
Alabama C., Osteopathic Medicine	812	370	75	0	295	0	0	0
McNeese State U.	812	370	72	57	237	0	4	0
St. Mary's C. Maryland	814	369	255	27	0	0	87	0
Susquehanna U.	815	368	70	0	103	0	195	0
Ferris State U.	816	366	93	41	202	27	3	0
Jacksonville U.	817	365	0	142	0	173	50	0
Ouachita Baptist U.	818	363	252	0	35	0	0	76
U. Tennessee, Martin	818	363	88	4	212	0	0	59

TABLE 5

Higher education R&D expenditures at higher education institutions in both survey populations, ranked by all R&D expenditures, by source of funds: FY 2019

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Francis Marion U.	820	362	236	0	0	0	0	126
U. Southern Indiana	820	362	67	109	164	7	15	0
Adelphi U.	822	359	292	0	67	0	0	0
Maine Maritime Academy	823	358	282	0	76	0	0	0
St. Norbert C.	824	354	0	46	81	0	0	227
Bryant U.	825	353	234	0	118	1	0	0
Longwood U.	825	353	236	54	62	0	1	0
Ramapo C. New Jersey	827	351	304	0	47	0	0	0
Life Chiropractic C.-West	828	350	0	0	350	0	0	0
North Central C.	828	350	237	0	113	0	0	0
U. Evansville	828	350	180	0	153	0	0	17
Shippensburg U. Pennsylvania	831	347	116	15	1	0	215	0
Pacific Lutheran U.	832	342	57	0	54	0	209	22
New York Chiropractic C.	833	334	3	0	331	0	0	0
Southwestern U.	833	334	4	0	267	0	63	0
Bridgewater State U.	835	331	15	0	316	0	0	0
Clayton State U.	836	330	298	0	32	0	0	0
Southern Arkansas U.	837	329	126	0	203	0	0	0
Wheeling Jesuit U.	838	328	275	0	0	0	53	0
Illinois C. of Optometry	839	326	98	0	111	93	24	0
Auburn U., Montgomery	840	325	222	1	102	0	0	0
Ohio Wesleyan U.	840	325	239	0	86	0	0	0
Marist C.	842	320	210	0	24	27	33	26
Wabash C.	842	320	244	0	67	0	9	0
Converse C.	844	317	258	0	0	0	0	59
Ohio Northern U.	845	316	195	10	78	0	33	0
DePauw U.	846	308	45	0	158	0	12	93
Texas A&M U.-San Antonio	846	308	31	10	0	21	1	245
Bryn Athyn C.	848	305	0	0	239	0	66	0
Barry U.	849	295	60	0	34	201	0	0
Eastern New Mexico U., Portales	850	292	237	15	40	0	0	0
Mayville State U.	850	292	280	12	0	0	0	0
Palo Alto U.	852	290	157	7	119	0	7	0
Pontifical Catholic U. Puerto Rico, Ponce	853	287	85	0	202	0	0	0
Future Generations U.	854	286	0	16	231	36	0	3
Truman State U.	855	285	61	1	185	0	17	21
Western New England U.	856	283	161	30	69	5	18	0
U. Minnesota, Crookston	857	282	9	101	169	0	3	0
Moravian C.	858	273	73	0	197	3	0	0
Pennsylvania State U., Berks	858	273	261	0	0	11	1	0
Pennsylvania State U., Beaver	860	271	256	7	0	8	0	0
St. Thomas U., Miami Gardens	861	268	138	0	0	0	130	0
St. Catherine U.	862	267	132	0	60	75	0	0
Wittenberg U.	862	267	122	88	57	0	0	0
Point Loma Nazarene U.	864	265	28	68	33	0	136	0
U. South Carolina Upstate	865	257	154	16	86	0	0	1

TABLE 5

Higher education R&D expenditures at higher education institutions in both survey populations, ranked by all R&D expenditures, by source of funds: FY 2019

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Minot State U.	866	251	238	0	13	0	0	0
Middle Georgia State U.	867	250	191	38	20	0	1	0
Concordia U., Wisconsin	868	248	222	0	0	0	26	0
Kansas City U. of Medicine and Biosciences	869	245	106	0	90	0	49	0
Coppin State U.	870	243	197	18	0	0	0	28
Millsaps C.	870	243	229	0	2	2	10	0
Washington and Lee U.	872	241	201	0	NA	0	40	0
Wheaton C., Norton	873	240	240	0	0	0	0	0
LeTourneau U.	874	239	58	0	131	13	37	0
Augustana C., Rock Island	875	237	71	0	109	0	50	7
Montana State U., Northern	876	236	28	202	0	6	0	0
Bard C.	877	235	63	0	172	0	0	0
SUNY, Potsdam	877	235	135	3	78	0	19	0
C. Southern Nevada	879	232	198	34	0	0	0	0
Southwest C. of Naturopathic Medicine and Health Sciences	880	230	0	0	30	0	200	0
Agnes Scott C.	881	229	126	0	94	0	9	0
Pennsylvania State U., Brandywine	882	228	218	0	0	0	10	0
Rider U.	882	228	68	25	104	0	29	2
Hampshire C.	884	225	198	0	0	0	27	0
Northern State U.	884	225	128	52	45	0	0	0
Taylor U.	884	225	0	3	176	32	0	14
Elmhurst C.	887	224	165	0	NA	55	4	0
Baldwin Wallace U.	888	221	10	0	0	139	72	0
Philander Smith C.	889	219	219	0	0	0	0	0
Alverno C.	890	216	0	0	216	0	0	0
Slippery Rock U. Pennsylvania	891	213	57	0	135	0	17	4
U. Wisconsin-Parkside	891	213	95	69	45	0	4	0
Southern C. of Optometry	893	212	14	0	110	83	0	5
Texas Chiropractic C.	893	212	0	0	199	13	0	0
Eastern Mennonite U.	895	209	181	0	0	0	0	28
Minnesota State U., Moorhead	895	209	50	115	0	0	41	3
Life U.	897	207	0	0	190	0	13	4
Delta State U.	898	204	199	0	5	0	0	0
Beloit C.	899	201	33	6	125	0	37	0
St. Lawrence U.	900	194	36	0	135	0	23	0
Northwest Missouri State U.	901	192	76	0	116	0	0	0
Dakota Wesleyan U.	902	187	182	0	5	0	0	0
Gonzaga U.	902	187	45	8	51	0	83	0
Ferrum C.	904	184	0	0	0	85	99	0
Missouri Western State U.	905	176	141	0	35	0	0	0
Benedictine U.	906	175	26	0	149	0	0	0
New York Law School	907	173	15	0	158	0	0	0
Rose-Hulman Institute of Technology	908	168	148	0	4	2	14	0
Logan U.	909	166	0	0	166	0	0	0
Messiah C.	910	165	5	0	100	0	60	0

TABLE 5

Higher education R&D expenditures at higher education institutions in both survey populations, ranked by all R&D expenditures, by source of funds: FY 2019

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Lasell C.	911	163	0	0	100	0	0	63
Le Moyne C.	911	163	0	0	93	0	54	16
Utah Valley U.	913	151	122	1	25	0	3	0
Metropolitan State U.	914	150	77	11	42	8	8	4
Northwestern Health Sciences U.	914	150	71	4	49	5	15	6
Southern California U. of Health Sciences	914	150	71	4	49	6	14	6

i = imputed. NA = not available; data were not provided by institution.

^a Johns Hopkins University includes the Applied Physics Laboratory, with \$1,725,018 thousand in total R&D expenditures in FY 2019.^b The University of Maryland includes expenditures from the University of Maryland, Baltimore and University of Maryland, College Park campuses. In FY 2019, the two campuses began reporting as one research unit to reflect their new strategic partnership. This relationship was codified through the University of Maryland Strategic Partnership Act passed by the Maryland General Assembly in 2016. Prior to FY 2019, both campuses reported to the survey as separate institutions.**Note(s):**

Institutions are included in the short form population if they reported less than \$1 million in total R&D expenditures during the previous fiscal year. 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(s):

National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2019.