

TABLE 35

Higher education R&D expenditures at all institutions, ranked by all non-medical school R&D expenditures: FY 2019

(Dollars in thousands)

Institution	Rank	All non-medical school R&D expenditures	All medical school R&D expenditures	All R&D expenditures
All institutions	-	53,580,871	29,915,477	83,496,348
Johns Hopkins U. ^a	1	2,166,935	750,501	2,917,436
Massachusetts Institute of Technology	2	1,009,466	0	1,009,466
U. Michigan, Ann Arbor	3	988,602	687,203	1,675,805
U. Texas M. D. Anderson Cancer Center	4	969,496	0	969,496
Georgia Institute of Technology	5	960,167	0	960,167
Harvard U.	6	937,641	302,095	1,239,736
Texas A&M U., College Station and Health Science Center	7	900,347	51,809	952,156
Pennsylvania State U., University Park and Hershey Medical Center	8	851,817	97,862	949,679
U. California, San Diego	9	847,323	506,440	1,353,763
U. Wisconsin-Madison	10	841,026	456,305	1,297,331
U. California, Berkeley	11	802,931	0	802,931
U. Washington, Seattle	12	749,672	675,929	1,425,601
U. Minnesota, Twin Cities	13	715,029	298,083	1,013,112
Cornell U.	14	691,565	452,969	1,144,534
U. Illinois, Urbana-Champaign	15	675,382	2,141	677,523
Purdue U., West Lafayette	16	663,927	0	663,927
U. Texas, Austin	17	661,288	34,823	696,111
U. Maryland ^b	18	647,217	449,383	1,096,600
Arizona State U.	19	639,637	0	639,637
Michigan State U.	20	636,532	89,176	725,708
U. California, Davis	21	605,337	198,945	804,282
Virginia Polytechnic Institute and State U.	22	541,969	0	541,969
North Carolina State U.	23	541,100	0	541,100
Ohio State U.	24	533,391	395,859	929,250
U. Arizona	25	525,760	208,510	734,270
U. Florida	26	522,845	405,794	928,639
U. Colorado Boulder	27	513,822	0	513,822
U. North Carolina, Chapel Hill	28	510,471	643,302	1,153,773
U. Pennsylvania	29	503,139	1,003,146	1,506,285
U. California, Los Angeles	30	500,965	805,411	1,306,376
Columbia U. in the City of New York	31	486,683	516,932	1,003,615
U. Georgia	32	477,536	0	477,536
Stanford U.	33	442,681	761,435	1,204,116
Scripps Research Institute	34	427,734	0	427,734
California Institute of Technology	35	399,931	0	399,931
Colorado State U., Fort Collins	36	398,477	0	398,477
U. Utah	37	392,856	208,277	601,133
Princeton U.	38	385,739	0	385,739
Boston U.	39	380,403	153,802	534,205
U. Southern California	40	377,836	531,847	909,683
New York U.	41	371,600	563,120	934,720
Rutgers, State U. New Jersey, New Brunswick	42	361,589	295,660	657,249
Carnegie Mellon U.	43	359,720	0	359,720
Iowa State U.	44	358,474	0	358,474
Washington State U.	45	355,956	13,377	369,333
SUNY, Polytechnic Institute	46	352,889	0	352,889
Rockefeller U.	47	351,089	0	351,089
Vanderbilt U. and Vanderbilt U. Medical Center	48	345,879	431,058	776,937

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Emory U.	49	324,873	470,055	794,928
U. Nebraska, Lincoln	50	316,820	0	316,820
U. Virginia, Charlottesville	51	308,915	305,023	613,938
Florida State U.	52	299,740	29,465	329,205
Louisiana State U., Baton Rouge	53	296,497	0	296,497
U. California, Irvine	54	295,829	153,138	448,967
Utah State U.	55	283,917	0	283,917
U. Pittsburgh, Pittsburgh	56	279,393	801,558	1,080,951
Mississippi State U.	57	264,526	0	264,526
Oregon State U.	58	263,830	0	263,830
Duke U.	59	258,621	967,896	1,226,517
U. California, San Francisco	60	255,191	1,339,907	1,595,098
U. Hawaii, Manoa	61	247,748	32,668	280,416
U. Tennessee, Knoxville	62	247,693	0	247,693
U. Kentucky	63	244,973	165,608	410,581
U. California, Santa Barbara	64	243,778	0	243,778
U. Missouri, Columbia	65	241,117	37,676	278,793
U. Notre Dame	66	240,078	0	240,078
Indiana U., Bloomington	67	234,216	433,941	668,157
Auburn U., Auburn	68	231,619	0	231,619
Woods Hole Oceanographic Institution	69	229,143	0	229,143
U. Kansas	70	227,786	124,857	352,643
U. South Florida, Tampa	71	226,814	164,511	391,325
U. Massachusetts, Amherst	72	223,177	0	223,177
U. Central Florida	73	220,970	4,115	225,085
Clemson U.	74	218,760	0	218,760
Kansas State U.	75	218,622	0	218,622
Florida International U.	76	212,911	12,953	225,864
U. Iowa	77	211,641	296,712	508,353
George Washington U.	78	207,949	61,850	269,799
U. Delaware	79	206,270	0	206,270
Northwestern U.	80	203,539	653,530	857,069
Yale U.	81	203,196	869,113	1,072,309
U. Illinois, Chicago	82	200,978	181,971	382,949
Georgia State U.	83	195,572	0	195,572
U. Houston	84	195,393	5	195,398
U. Alabama, Birmingham	85	195,185	412,678	607,863
Texas Tech U.	86	193,923	0	193,923
U. Connecticut	87	193,728	92,036	285,764
U. South Carolina, Columbia	88	192,103	13,837	205,940
U. Oklahoma, Norman and Health Science Center	89	191,982	110,697	302,679
SUNY, U. Buffalo	90	188,584	225,233	413,817
George Mason U.	91	186,267	0	186,267
Oklahoma State U., Stillwater	92	184,276	0	184,276
Northeastern U.	93	183,998	0	183,998
Rice U.	94	182,564	0	182,564
SUNY, U. Albany	95	181,531	0	181,531
U. Arkansas, Fayetteville	96	180,225	0	180,225
Temple U.	97	174,944	109,357	284,301

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(Dollars in thousands)

Institution	Rank	All non-medical school R&D expenditures	All medical school R&D expenditures	All R&D expenditures
U. California, Riverside	98	167,453	10,202	177,655
U. Colorado Denver and Anschutz Medical Campus	99	166,905	375,827	542,732
U. Dayton	100	165,343	0	165,343
Tufts U.	101	164,305	48,980	213,285
Dartmouth C. and Dartmouth Hitchcock Medical Center	102	164,168	177,974	342,142
New Jersey Institute of Technology	103	161,232	0	161,232
Oregon Health and Science U.	104	160,989	254,640	415,629
U. Chicago	105	158,918	300,253	459,171
U. Rochester	106	157,168	236,792	393,960
Montana State U., Bozeman	107	154,811	0	154,811
Syracuse U.	108	154,366	0	154,366
West Virginia U.	109	152,506	35,006	187,512
North Dakota State U.	110	152,381	0	152,381
U. New Hampshire	111	148,980	0	148,980
SUNY, Stony Brook U.	112	145,752	115,061	260,813
U. Alaska, Fairbanks	113	144,457	0	144,457
U. Louisiana, Lafayette	114	144,187	0	144,187
U. California, Santa Cruz	115	142,958	0	142,958
U. New Mexico	116	142,781	96,915	239,696
Brown U.	117	135,131	121,823	256,954
Tulane U.	118	133,921	63,012	196,933
U. Maine	119	129,913	0	129,913
Wichita State U.	120	128,795	0	128,795
Cold Spring Harbor Laboratory	121	126,773	0	126,773
U. Texas, Dallas	122	126,661	0	126,661
U. Cincinnati	123	124,424	405,372	529,796
U. Texas, Arlington	124	123,207	0	123,207
U. Nevada, Reno	125	121,220	30,908	152,128
U. Rhode Island	126	115,160	0	115,160
Virginia Commonwealth U.	127	113,303	142,345	255,648
U. Idaho	128	113,107	0	113,107
U. Oregon	129	110,664	0	110,664
U. Alabama, Huntsville	130	109,744	0	109,744
Uniformed Services U. of the Health Sciences	131	109,243	308,057	417,300
U. Texas, El Paso	132	106,809	0	106,809
U. Texas Health Science Center, Houston	133	105,787	165,738	271,525
U. Montana, Missoula	134	104,665	0	104,665
SUNY, Binghamton U.	135	104,297	0	104,297
Rensselaer Polytechnic Institute	136	103,739	0	103,739
Washington U., Saint Louis	137	102,052	785,036	887,088
New Mexico State U.	138	101,457	0	101,457
Drexel U.	139	96,029	53,452	149,481
U. Nevada, Las Vegas	140	94,987	4,458	99,445
San Diego State U.	141	92,964	0	92,964
Georgetown U.	142	92,669	148,291	240,960
Case Western Reserve U.	143	87,498	351,496	438,994
U. Mississippi	144	86,959	71,850	158,809
U. North Dakota	145	86,951	23,885	110,836
U. Texas, San Antonio	146	84,326	0	84,326

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U. Massachusetts, Lowell	147	83,996	0	83,996
U. Miami	148	83,781	276,935	360,716
U. Alabama, Tuscaloosa	149	83,317	0	83,317
U. Maryland, Baltimore County	150	80,632	0	80,632
Michigan Technological U.	151	80,443	0	80,443
U. Wyoming	152	80,353	0	80,353
Cleveland State U.	153	80,077	0	80,077
U. North Texas, Denton	154	78,691	0	78,691
Wayne State U.	155	78,415	165,802	244,217
U. Southern Mississippi	156	76,464	0	76,464
U. Nebraska, Medical Center	157	73,154	121,301	194,455
U. Tennessee, Knoxville, Institute of Agriculture American U.	158	71,396	0	71,396
Colorado School of Mines	159	71,053	0	71,053
U. California, Office of the President	160	70,397	0	70,397
Indiana U.-Purdue U., Indianapolis	161	67,702	0	67,702
Old Dominion U.	162	67,635	0	67,635
Naval Postgraduate School	163	67,425	0	67,425
Medical U. South Carolina	164	67,323	0	67,323
South Dakota State U.	165	67,158	228,442	295,600
William & Mary	166	66,794	0	66,794
Texas State U.	167	64,835	0	64,835
U. Massachusetts, Boston	168	64,554	0	64,554
Boston C.	169	62,018	0	62,018
Van Andel Research Institute	170	61,956	0	61,956
Brandeis U.	171	61,738	0	61,738
Northern Arizona U.	172	60,825	0	60,825
U. Memphis	173	58,914	0	58,914
Rochester Institute of Technology	174	58,700	0	58,700
U. Louisville	175	58,175	0	58,175
U. Louisville	176	56,883	116,579	173,462
U. Maryland Center for Environmental Science	177	56,033	0	56,033
U. Wisconsin-Milwaukee	178	53,773	0	53,773
U. Vermont	179	52,345	83,514	135,859
Wright State U.	180	50,103	14,105	64,208
Portland State U.	181	50,045	0	50,045
CUNY, City C.	182	48,811	3,927	52,738
Kent State U.	183	47,188	0	47,188
U. North Carolina, Charlotte	184	47,187	0	47,187
U. North Texas, Health Science Center	185	46,786	3,338	50,124
U. California, Merced	186	44,890	0	44,890
San Jose State U.	187	44,309	0	44,309
U.S. Air Force Academy	188	43,941	0	43,941
Florida Atlantic U.	189	43,692	7,393	51,085
Ohio U.	190	43,631	10,104	53,735
Southern Methodist U.	191	42,562	0	42,562
Florida A&M U.	192	42,470	0	42,470
U. West Florida	193	41,977	0	41,977
Missouri U. of Science and Technology	194	41,939	0	41,939
Worcester Polytechnic Institute	195	39,878	0	39,878

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Boise State U.	196	39,824	0	39,824
Brigham Young U., Provo	197	39,582	0	39,582
U. Texas Health Science Center, San Antonio	198	39,477	149,006	188,483
U. South Alabama	199	39,141	13,399	52,540
Mercer U.	200	38,870	5,258	44,128
U. Toledo	201	38,322	16,684	55,006
Lehigh U.	202	38,185	0	38,185
Marquette U.	203	37,777	0	37,777
CUNY, Hunter C.	204	37,478	0	37,478
North Carolina Agricultural and Technical State U.	205	37,339	0	37,339
Stevens Institute of Technology	206	36,695	0	36,695
U. Denver	207	36,551	0	36,551
Illinois Institute of Technology	208	34,334	0	34,334
Air Force Institute of Technology	209	34,016	0	34,016
Baylor U.	210	33,304	0	33,304
Texas A&M U.-Corpus Christi	211	32,944	0	32,944
U. Texas Rio Grande Valley	212	32,664	19,352	52,016
San Francisco State U.	213	31,888	0	31,888
California Polytechnic State U., San Luis Obispo	214	30,923	0	30,923
East Carolina U.	215	30,737	24,874	55,611
Kennesaw State U.	216	30,381	0	30,381
U. Akron	217	30,020	0	30,020
SUNY, C. of Environmental Science and Forestry	218	29,137	0	29,137
U. Massachusetts, Dartmouth	219	28,036	0	28,036
U. Minnesota, Duluth	220	27,530	0	27,530
U. Puerto Rico, Medical Sciences Campus	221	27,438	17,576	45,014
Illinois State U.	222	27,082	0	27,082
Desert Research Institute	223	26,991	0	26,991
Howard U.	224	26,970	17,193	44,163
U. Puerto Rico, Mayaguez	225	26,877	0	26,877
Rutgers, State U. New Jersey, Newark	226	26,661	0	26,661
Northern Illinois U.	227	26,570	0	26,570
U. North Carolina, Greensboro	228	26,325	0	26,325
Louisiana Tech U.	229	26,143	0	26,143
Teachers C., Columbia U.	230	24,865	0	24,865
New Mexico Institute of Mining and Technology	231	24,616	0	24,616
Catholic U. of America	232	24,484	0	24,484
U. Puerto Rico, Rio Piedras	233	24,088	0	24,088
California State U., Sacramento	234	23,544	0	23,544
Delaware State U.	235	23,017	0	23,017
U. South Dakota	236	22,948	9,080	32,028
Villanova U.	237	22,837	0	22,837
U. Missouri, Kansas City	238	22,746	3,962	26,708
Saint Louis U.	239	22,631	43,472	66,103
Miami U.	240	22,380	0	22,380
Texas A&M U.-Kingsville	241	22,268	0	22,268
U. Alaska, Anchorage	242	21,724	0	21,724
Southern Illinois U., Carbondale	243	21,108	20,621	41,729
California State U., Northridge	244	21,095	0	21,095

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Western Michigan U. and Homer Stryker M.D. School of Medicine	245	20,757	4,314	25,071
Tuskegee U.	246	20,562	0	20,562
Fordham U.	247	20,287	0	20,287
Chapman U.	248	19,592	0	19,592
U. Nebraska, central administration	249	18,860	0	18,860
California State U., Long Beach	250	18,664	0	18,664
U. Tulsa	251	18,648	0	18,648
CUNY, Queens C.	252	18,391	0	18,391
Jackson State U.	253	18,160	0	18,160
Southern Illinois U., Edwardsville	254	18,088	0	18,088
Prairie View A&M U.	255	18,018	0	18,018
Oakland U.	256	17,983	19	18,002
Florida Institute of Technology	257	17,876	0	17,876
U. North Carolina, Wilmington	258	17,515	0	17,515
Clarkson U.	259	17,147	0	17,147
Bowling Green State U.	260	17,026	0	17,026
Duquesne U.	261	16,947	0	16,947
U. Texas Health Science Center, Tyler	262	16,538	0	16,538
North Carolina Central U.	263	16,227	0	16,227
California State U., San Bernardino	264	16,062	0	16,062
Texas Tech U., Health Sciences Center	265	15,812	28,260	44,072
U. New Orleans	266	15,328	0	15,328
Tennessee State U.	267	15,236	0	15,236
Humboldt State U.	268	15,076	0	15,076
Idaho State U.	269	14,972	0	14,972
Alcorn State U.	270	14,435	0	14,435
U. Nebraska, Omaha	271	14,302	0	14,302
Wake Forest U.	272	14,229	224,704	238,933
Central Michigan U.	273	13,932	3,170	17,102
Tennessee Technological U.	274	13,801	0	13,801
U. Missouri, Saint Louis	275	13,697	0	13,697
U.S. Naval Academy	276	13,621	0	13,621
Hampton U.	277	13,605	0	13,605
New School	278	13,421	0	13,421
Morgan State U.	279	13,253	0	13,253
Tarleton State U.	280	13,171	0	13,171
South Dakota School of Mines and Technology	281	12,973	0	12,973
Rowan U.	282	12,909	9,983	22,892
Alabama A&M U.	283	12,840	0	12,840
Montana Technological U.	284	12,731	0	12,731
Embry-Riddle Aeronautical U.	285	12,478	0	12,478
California State U., Los Angeles	286	12,476	0	12,476
U. Baltimore	287	12,451	0	12,451
U. North Florida	288	12,341	0	12,341
CUNY, John Jay C. of Criminal Justice	289	12,295	0	12,295
U. Guam	290	12,249	0	12,249
U. of the Virgin Islands	291	12,236	0	12,236
Nova Southeastern U.	292	12,210	12,357	24,567
U. Hawaii, system office	293	12,159	0	12,159

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Ball State U.	294	12,145	0	12,145
Western Washington U.	295	11,983	0	11,983
Charles R. Drew U. of Medicine and Science	296	11,917	1,822	13,739
U. South Florida, Saint Petersburg	297	11,686	0	11,686
Virginia State U.	298	11,457	0	11,457
Georgia Southern U.	299	11,166	0	11,166
U.S. Military Academy	300	10,765	0	10,765
Langston U.	301	10,719	0	10,719
California State U., San Marcos	302	10,595	0	10,595
Montclair State U.	303	10,225	0	10,225
Clark U.	304	10,193	0	10,193
Xavier U. Louisiana	305	10,152	0	10,152
William Paterson U.	306	10,122	0	10,122
U. Arkansas, Little Rock	307	9,975	0	9,975
Wesleyan U.	308	9,958	0	9,958
Bryn Mawr C.	309	9,846	0	9,846
St. Edward's U.	310	9,650	0	9,650
CUNY, Graduate School of Public Health and Health Policy	311	9,521	0	9,521
Rhode Island C.	312	9,480	0	9,480
Sam Houston State U.	313	9,445	0	9,445
Marshall U.	314	9,442	10,180	19,622
Salisbury U.	315	9,368	0	9,368
Western Kentucky U.	316	9,281	0	9,281
U. Tennessee, Chattanooga	317	9,280	0	9,280
Clark Atlanta U.	318	9,048	0	9,048
U. Arkansas, Pine Bluff	319	9,024	0	9,024
Arkansas State U., Jonesboro	320	8,945	0	8,945
Augusta U.	321	8,834	87,668	96,502
U. Michigan, Dearborn	322	8,813	0	8,813
Wellesley C.	323	8,810	0	8,810
Pacific U.	324	8,753	0	8,753
James Madison U.	325	8,726	0	8,726
Claremont Graduate U.	326	8,715	0	8,715
California State U., Fresno	327	8,599	0	8,599
Kentucky State U.	328	8,433	0	8,433
CUNY, Advanced Science Research Center	329	8,310	0	8,310
Indiana U. Pennsylvania	330	8,119	0	8,119
Norfolk State U.	331	8,050	0	8,050
Loyola U., Chicago	332	7,994	31,229	39,223
U. Washington, Bothell	333	7,950	0	7,950
Louisiana State U., Health Sciences Center, New Orleans	334	7,781	33,133	40,914
Loma Linda U.	335	7,775	16,633	24,408
Middle Tennessee State U.	336	7,673	0	7,673
C. Charleston	337	7,610	0	7,610
California State U., Bakersfield	338	7,591	0	7,591
Creighton U.	339	7,406	16,633	24,039
Loyola Marymount U.	340	7,272	0	7,272
Eastern Michigan U.	341	7,175	0	7,175
California State U., Fullerton	342	7,173	0	7,173

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U. Maryland, Eastern Shore	343	7,133	0	7,133
CUNY, Brooklyn C.	344	7,064	0	7,064
Seton Hall U.	345	7,056	0	7,056
U. Hawaii, Hilo	346	6,864	0	6,864
West Chester U. Pennsylvania	347	6,777	0	6,777
U. Southern Maine	348	6,654	0	6,654
Grand Valley State U.	349	6,592	0	6,592
Texas Christian U.	350	6,552	0	6,552
California State U., Monterey Bay	351	6,444	0	6,444
SUNY, Upstate Medical U.	352	6,406	31,685	38,091
U. New England	353	6,374	972	7,346
Amherst C.	354	6,325	0	6,325
Claremont McKenna C.	355	6,214	0	6,214
DePaul U.	356	6,144	0	6,144
California State Polytechnic U., Pomona	357	6,099	0	6,099
Texas A&M International U.	358	6,068	0	6,068
Smith C.	359	6,041	0	6,041
U. San Diego	360	6,036	0	6,036
New Jersey City U.	361	5,961	0	5,961
Missouri State U.	362	5,910	0	5,910
Florida Gulf Coast U.	363	5,907	0	5,907
West Virginia State U.	364	5,829	0	5,829
U. Texas Medical Branch	365	5,762	169,610	175,372
U. Central Oklahoma	366	5,682	0	5,682
Bucknell U.	367	5,625	0	5,625
Azusa Pacific U.	368	5,598	0	5,598
Grinnell C.	369	5,500	0	5,500
Thomas Jefferson U.	370	5,479	164,979	170,458
Southern U. and A&M C., Agricultural Research and Extension Center	371	5,448	0	5,448
West Texas A&M U.	372	5,437	0	5,437
U. Texas Southwestern Medical Center	373	5,409	491,288	496,697
CUNY, Graduate Center	374	5,399	0	5,399
Gallaudet U.	375	5,382	0	5,382
East Tennessee State U.	376	5,275	8,922	14,197
Purdue U., Northwest	377	5,272	0	5,272
U. Detroit Mercy	378	5,210	0	5,210
Williams C.	379	5,188	0	5,188
Alfred U.	380	5,153	0	5,153
Long Island U.	381	5,113	0	5,113
U. New Haven	382	5,062	0	5,062
Naval War C.	383	5,060	0	5,060
Franklin and Marshall C.	384	5,041	0	5,041
U. Massachusetts, central office	385	4,916	0	4,916
Texas Southern U.	386	4,893	0	4,893
Lamar U.	387	4,848	0	4,848
U. of the District of Columbia	388	4,800	0	4,800
Oregon Institute of Technology	389	4,793	0	4,793
Fisk U.	390	4,748	0	4,748
U. Colorado Colorado Springs	391	4,720	0	4,720

TABLE 35

Higher education R&D expenditures at all institutions, ranked by all non-medical school R&D expenditures: FY 2019

(Dollars in thousands)

Institution	Rank	All non-medical school R&D expenditures	All medical school R&D expenditures	All R&D expenditures
Fayetteville State U.	392	4,695	0	4,695
CUNY, Lehman C.	393	4,690	0	4,690
Southern Connecticut State U.	394	4,627	0	4,627
U. North Carolina, Asheville	395	4,602	0	4,602
Lincoln U., Jefferson City	396	4,581	0	4,581
U. Northern Colorado	397	4,571	0	4,571
Morehouse C.	398	4,564	0	4,564
Fort Valley State U.	399	4,563	0	4,563
Western U. of Health Sciences	400	4,517	434	4,951
Southern U. and A&M C., Baton Rouge	401	4,492	0	4,492
Texas Woman's U.	402	4,477	0	4,477
Youngstown State U.	403	4,447	0	4,447
Carleton C.	404	4,388	0	4,388
National Defense U.	405	4,231	0	4,231
Midwestern U.	406	4,212	6,131	10,343
Swarthmore C.	407	4,203	0	4,203
U. North Carolina, general administration	408	4,154	0	4,154
MGH Institute of Health Professions	409	4,130	0	4,130
U. Oklahoma, Tulsa	410	4,098	2,275	6,373
Milwaukee School of Engineering	411	4,026	0	4,026
Barnard C.	412	4,010	0	4,010
CUNY, C. Staten Island	413	3,986	0	3,986
U. Ana G. Mendez, Gurabo	414	3,945	0	3,945
Roseman U. of Health Sciences	415	3,916 i	0 i	3,916 i
Pace U.	416	3,855	0	3,855
Memorial Sloan Kettering Cancer Center, Louis V. Gerstner Jr. Graduate S. of Biomedical Sciences	417	3,769	0	3,769
Central State U.	418	3,766	0	3,766
Colgate U.	419	3,756	0	3,756
Haverford C.	420	3,752	0	3,752
U. of the Sciences Philadelphia	421	3,740	0	3,740
Trinity U.	422	3,736	0	3,736
Dakota State U.	423	3,710	0	3,710
Murray State U.	423	3,710	0	3,710
Toyota Technological Institute, Chicago	425	3,681	0	3,681
Stephen F. Austin State U.	426	3,679	0	3,679
South Carolina State U.	427	3,659	0	3,659
U. Northern Iowa	428	3,628	0	3,628
U. Central Arkansas	429	3,477	0	3,477
U. Washington, Tacoma	430	3,471	0	3,471
U. Wisconsin-Stevens Point	431	3,464 i	0 i	3,464 i
Towson U.	432	3,423	0	3,423
Pennsylvania State U., Behrend	433	3,414	0	3,414
Texas A&M U.-Commerce	434	3,403	0	3,403
Minnesota State U., Mankato	435	3,392	0	3,392
Albany C. of Pharmacy and Health Sciences	436	3,383	0	3,383
Tougaloo C.	437	3,380	0	3,380
Harvey Mudd C.	438	3,353	0	3,353
St. Cloud State U.	439	3,275	0	3,275

TABLE 35

Higher education R&D expenditures at all institutions, ranked by all non-medical school R&D expenditures: FY 2019

(Dollars in thousands)

Institution	Rank	All non-medical school R&D expenditures	All medical school R&D expenditures	All R&D expenditures
Appalachian State U.	440	3,268	0	3,268
Reed C.	441	3,240	0	3,240
California State U., Chico	442	3,232	0	3,232
Central Washington U.	443	3,223	0	3,223
Rutgers, State U. New Jersey, Camden	444	3,211	0	3,211
Colorado State U., Pueblo	445	3,107	0	3,107
Northeast Ohio Medical U.	446	3,097	14,919	18,016
U. of the Pacific	447	3,078	0	3,078
Skidmore C.	448	3,012	0	3,012
Bowdoin C.	449	2,991	0	2,991
Pomona C.	450	2,985	0	2,985
Mount Holyoke C.	451	2,979	0	2,979
SUNY, C. of Optometry	452	2,968	0	2,968
California State U., Maritime Academy	453	2,959	0	2,959
U. Nebraska, Kearney	454	2,919	0	2,919
Saint Joseph's U.	455	2,851	0	2,851
Grambling State U.	456	2,836	0	2,836
Saginaw Valley State U.	457	2,818	0	2,818
Pennsylvania State U., Harrisburg	458	2,805	0	2,805
U. Richmond	459	2,783	0	2,783
Dillard U.	460	2,772	0	2,772
Spelman C.	461	2,751	0	2,751
Lewis and Clark C.	462	2,750	0	2,750
Hope C.	463	2,745	0	2,745
U. San Francisco	464	2,712	0	2,712
CUNY, New York City C. of Technology	465	2,711	0	2,711
U. Wisconsin-La Crosse	466	2,692	0	2,692
Northwest Indian C.	467	2,659	0	2,659
Stockton U.	468	2,634	0	2,634
Western Carolina U.	469	2,633	0	2,633
CUNY, system office	470	2,619	0	2,619
Alabama State U.	471	2,577	0	2,577
Elon U.	472	2,545	0	2,545
Pittsburg State U.	473	2,513	0	2,513
U. South Carolina, Aiken	474	2,481	0	2,481
Northeastern Illinois U.	475	2,478	0	2,478
Occidental C.	476	2,458	0	2,458
Jacksonville State U.	477	2,429	0	2,429
Yeshiva U.	478	2,420	0	2,420
Purdue U., Fort Wayne	479	2,416	0	2,416
CUNY, Baruch C.	480	2,387	0	2,387
Western Illinois U.	481	2,373	0	2,373
Philadelphia C. of Osteopathic Medicine	482	2,368	794	3,162
U. Louisiana, Monroe	483	2,364	0	2,364
Northern Kentucky U.	484	2,363	0	2,363
St. John's U., New York	485	2,352	0	2,352
Sul Ross State U.	485	2,352	0	2,352
Santa Clara U.	487	2,319	0	2,319
Austin Peay State U.	488	2,285	0	2,285

TABLE 35

Higher education R&D expenditures at all institutions, ranked by all non-medical school R&D expenditures: FY 2019

(Dollars in thousands)

Institution	Rank	All non-medical school R&D expenditures	All medical school R&D expenditures	All R&D expenditures
Erikson Institute	489	2,279	0	2,279
U. Wisconsin-Superior	490	2,250	0	2,250
Colorado C.	491	2,233	0	2,233
Meharry Medical C.	492	2,228	16,058	18,286
Seattle U.	493	2,223	0	2,223
U. Houston-Downtown	494	2,216	0	2,216
Winthrop U.	495	2,189	0	2,189
Rush U.	496	2,184	94,083	96,267
Wheaton C., Wheaton	497	2,173	0	2,173
Pepperdine U.	498	2,170	0	2,170
Johnson C. Smith U.	499	2,148	0	2,148
SUNY, Geneseo	500	2,139	0	2,139
Bates C.	501	2,135	0	2,135
SUNY, Buffalo State	502	2,124	0	2,124
Polytechnic U. Puerto Rico	503	2,118	0	2,118
Keck Graduate Institute	504	2,095 i	0 i	2,095 i
U. Wisconsin-Green Bay	505	2,083	0	2,083
Oberlin C.	506	2,076	0	2,076
U. North Georgia	507	2,068	0	2,068
U. Texas, Tyler	508	2,063	0	2,063
Northwestern State U. Louisiana	509	2,058	0	2,058
Niagara U.	510	2,057	0	2,057
Hamilton C.	511	2,050	0	2,050
Coastal Carolina U.	512	2,042	0	2,042
Black Hills State U.	513	2,031	0	2,031
Morehead State U.	514	2,028	0	2,028
Eastern Washington U.	515	2,024	0	2,024
Winston-Salem State U.	516	2,011	0	2,011
Florida Polytechnic U.	517	2,006	0	2,006
Touro U.	518	1,988	1,555	3,543
Hawaii Pacific U.	519	1,980	0	1,980
Southeastern Louisiana U.	520	1,971	0	1,971
Christopher Newport U.	521	1,961	0	1,961
California State U., Dominguez Hills	522	1,957	0	1,957
Willamette U.	523	1,953	0	1,953
Hobart and William Smith Colleges	524	1,919	0	1,919
Bowie State U.	525	1,911	0	1,911
Connecticut C.	526	1,894	0	1,894
U. Illinois, Springfield	527	1,876	0	1,876
Texas Tech U., Health Sciences Center, El Paso	528	1,873	10,010	11,883
U. South Florida, Sarasota-Manatee	529	1,872	0	1,872
U. of St. Thomas (MN)	530	1,870	0	1,870
U. Puerto Rico, Cayey	530	1,870	0	1,870
Trinity C., Hartford	532	1,858	0	1,858
Colby C.	533	1,852	0	1,852
Roger Williams U.	533	1,852	0	1,852
Babson C.	535	1,845	0	1,845
New York Institute of Technology	536	1,821	3,999	5,820
Macalester C.	537	1,808	0	1,808

TABLE 35

Higher education R&D expenditures at all institutions, ranked by all non-medical school R&D expenditures: FY 2019

(Dollars in thousands)

Institution	Rank	All non-medical school R&D expenditures	All medical school R&D expenditures	All R&D expenditures
Mercyhurst U.	538	1,801 i	0 i	1,801 i
SUNY, Oswego	539	1,781	0	1,781
Davidson C.	540	1,777	0	1,777
Alaska Pacific U.	541	1,774	0	1,774
Kettering U.	542	1,765	0	1,765
C. Wooster	543	1,758	0	1,758
Clafin U.	544	1,746	0	1,746
Hofstra U.	545	1,741	3	1,744
Union C., Schenectady	546	1,740	0	1,740
SUNY, C. Plattsburgh	547	1,729	0	1,729
Savannah State U.	548	1,720	0	1,720
U. Wisconsin-Oshkosh	549	1,713 i	0 i	1,713 i
Indiana State U.	550	1,682	0	1,682
Gettysburg C.	551	1,664	0	1,664
Eastern Connecticut State U.	552	1,659	0	1,659
Middlebury C.	553	1,657	0	1,657
Franklin W. Olin C. of Engineering	554	1,655	0	1,655
Palmer C. of Chiropractic, Davenport	555	1,650	0	1,650
Mills C.	556	1,643	0	1,643
Furman U.	557	1,628	0	1,628
U. of the Incarnate Word	557	1,628	172	1,800
CUNY, York C.	559	1,621	0	1,621
La Sierra U.	560	1,581	0	1,581
Calvin U.	561	1,577	0	1,577
California State U., Channel Islands	562	1,572	0	1,572
Lafayette C.	563	1,554	0	1,554
U. Wisconsin-Eau Claire	564	1,530	0	1,530
U. Hartford	565	1,528	0	1,528
Northern Michigan U.	566	1,520	0	1,520
Albany State U.	567	1,491	0	1,491
California State U., Stanislaus	568	1,477	0	1,477
Fort Lewis C.	569	1,460	0	1,460
U. Michigan, Flint	570	1,448	0	1,448
Marshall B. Ketchum U.	571	1,430 i	0 i	1,430 i
Liberty U.	572	1,402	378	1,780
CUNY, Medgar Evers C.	573	1,397	0	1,397
SUNY, C. Brockport	574	1,390	0	1,390
Central Connecticut State U.	575	1,381	0	1,381
U. Houston-Clear Lake	576	1,370	0	1,370
Bradley U.	577	1,357	0	1,357
Lawrence Technological U.	578	1,352	0	1,352
U. Alaska, Southeast	579	1,341	0	1,341
Rosalind Franklin U. of Medicine and Science	580	1,334	14,792	16,126
U. of Mary Washington	581	1,315	0	1,315
Monmouth U.	582	1,294	0	1,294
Fairfield U.	583	1,279	0	1,279
Benedict C.	584	1,269	0	1,269
Salish Kootenai C.	585	1,252	0	1,252
National U. of Natural Medicine	586	1,245	0	1,245

TABLE 35

Higher education R&D expenditures at all institutions, ranked by all non-medical school R&D expenditures: FY 2019

(Dollars in thousands)

Institution	Rank	All non-medical school R&D expenditures	All medical school R&D expenditures	All R&D expenditures
Heidelberg U.	587	1,237	0	1,237
U. Minnesota, Morris	588	1,234	0	1,234
New England C. of Optometry	589	1,223	0	1,223
Saint Michael's C.	590	1,200	0	1,200
U. Puerto Rico, Humacao	591	1,195	0	1,195
Saint John's U., Collegetown	592	1,191	0	1,191
Manhattan C.	593	1,190	0	1,190
Biola U.	594	1,155	0	1,155
Emerson C.	595	1,145	0	1,145
California Lutheran U.	596	1,143	0	1,143
Fort Hays State U.	596	1,143	0	1,143
Andrews U.	598	1,126	0	1,126
C. of Saint Benedict	598	1,126	0	1,126
Dine C.	598	1,126	0	1,126
Eastern Kentucky U.	601	1,125	0	1,125
Doane U.	602	1,093	0	1,093
Kenyon C.	603	1,092	0	1,092
U. Wisconsin-Platteville	604	1,084	0	1,084
Whitman C.	605	1,083	0	1,083
Keene State C.	606	1,061	0	1,061
Providence C.	607	1,042	0	1,042
Albion C.	608	1,040	0	1,040
Dickinson C.	609	1,037	0	1,037
Rhode Island School of Design	610	1,027	0	1,027
St. Olaf C.	611	1,010	0	1,010
Vassar C.	612	1,009	0	1,009
U.S. Army War C.	613	1,000	0	1,000
Augsburg U.	614	991	0	991
Canisius C.	615	950	0	950
U. Portland	616	942	0	942
Chicago State U.	617	898	0	898
Des Moines U.	618	875	1,079	1,954
Drake U.	619	865	0	865
American Samoa Community C.	620	860	0	860
Salus U.	621	854	0	854
Augustana U.	622	841	0	841
Bethune-Cookman U.	623	735	0	735
Allegheny C.	624	632	0	632
U. Ana G. Mendez, Cupey	625	624	0	624
Texas A&M U.-Central Texas	626	428	0	428
SUNY, Downstate Medical Center	627	380	35,635	36,015
Maine Maritime Academy	628	358	0	358
Southwest C. of Naturopathic Medicine and Health Sciences	629	230	0	230
Rider U.	630	228	0	228
A. T. Still U.	631	193	451	644
Icahn School of Medicine at Mount Sinai	632	100	722,141	722,241
U. Arkansas for Medical Sciences	633	1	153,134	153,135
Albany Medical C.	-	0	23,028	23,028
Albert Einstein C. of Medicine	-	0	298,824	298,824

TABLE 35

Higher education R&D expenditures at all institutions, ranked by all non-medical school R&D expenditures: FY 2019

(Dollars in thousands)

Institution	Rank	All non-medical school R&D expenditures	All medical school R&D expenditures	All R&D expenditures
Baylor C. of Medicine	-	0	651,920	651,920
Eastern Virginia Medical School	-	0	27,064	27,064
Edward Via C. of Osteopathic Medicine	-	0	7,225	7,225
Louisiana State U., Health Sciences Center, Shreveport	-	0	26,262	26,262
Medical C. Wisconsin	-	0	244,752	244,752
Morehouse School of Medicine	-	0	31,289	31,289
New York Medical C.	-	0	19,398	19,398
Oklahoma State U., Center for Health Sciences	-	0	5,408	5,408
Ponce Health Sciences U.	-	0	11,390	11,390
U. Central del Caribe	-	0	3,953	3,953
U. Massachusetts, Medical School	-	0	281,507	281,507
U. Tennessee, Health Science Center	-	0	96,979	96,979

i = imputed.

^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):

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.