

TABLE 36

Higher education R&D expenditures at all institutions, ranked by all non-medical school R&D expenditures: FY 2021

(Dollars in thousands)

Institution	Rank	All non-medical school R&D expenditures	All medical school R&D expenditures	All R&D expenditures
All institutions	-	56,585,810	33,137,637	89,723,447
Johns Hopkins U. ^a	1	2,426,972	754,413	3,181,385
U. Texas M. D. Anderson Cancer Center	2	1,124,971	0	1,124,971
Georgia Institute of Technology	3	1,114,481	0	1,114,481
Texas A&M U., College Station and Health Science Center	4	1,104,222	43,498	1,147,720
U. Michigan, Ann Arbor	5	979,584	660,061	1,639,645
Massachusetts Institute of Technology	6	949,076	0	949,076
U. Wisconsin-Madison	7	900,671	479,404	1,380,075
Harvard U.	8	854,352	399,656	1,254,008
U. California, San Diego	9	850,929	574,570	1,425,499
U. California, Berkeley	10	846,872	0	846,872
Pennsylvania State U., University Park and Hershey Medical Center	11	842,977	127,567	970,544
U. Texas, Austin	12	742,855	36,493	779,348
U. Illinois, Urbana-Champaign	13	730,977	291	731,268
U. Minnesota, Twin Cities	14	728,259	344,702	1,072,961
U. Washington, Seattle	15	725,280	763,365	1,488,645
Purdue U., West Lafayette	16	679,482	0	679,482
Arizona State U.	17	677,303	0	677,303
Cornell U.	18	671,448	512,076	1,183,524
U. Maryland ^b	19	670,415	471,849	1,142,264
Michigan State U.	20	624,677	85,501	710,178
U. California, Davis	21	592,062	225,347	817,409
U. Colorado Boulder	22	547,724	0	547,724
North Carolina State U.	23	547,118	0	547,118
U. Florida	24	546,549	413,416	959,965
Virginia Polytechnic Institute and State U.	25	542,045	0	542,045
U. Pennsylvania	26	530,053	1,101,897	1,631,950
Ohio State U.	27	520,961	715,150	1,236,111
U. California, Los Angeles	28	518,446	936,434	1,454,880
Columbia U. in the City of New York	29	509,640	588,930	1,098,570
U. Arizona	30	508,950	261,081	770,031
U. North Carolina, Chapel Hill	31	505,641	700,242	1,205,883
U. Georgia	32	493,944	0	493,944
Vanderbilt U. and Vanderbilt U. Medical Center	33	491,859	527,414	1,019,273

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Scripps Research Institute	34	485,435	0	485,435
SUNY, Polytechnic Institute	35	465,273	0	465,273
Boston U.	36	458,491	193,605	652,096
Colorado State U., Fort Collins	37	447,197	0	447,197
California Institute of Technology	38	438,624	0	438,624
U. Southern California	39	428,774	526,791	955,565
U. Utah	40	406,979	217,758	624,737
Princeton U.	41	404,448	0	404,448
Carnegie Mellon U.	42	402,376	0	402,376
Stanford U.	43	400,435	874,048	1,274,483
Iowa State U.	44	360,275	0	360,275
New York U.	45	360,158	703,546	1,063,704
Rockefeller U.	46	357,543	0	357,543
Washington State U.	47	348,178	9,470	357,648
U. California, Irvine	48	341,539	182,213	523,752
U. Missouri, Columbia	49	328,583	60,196	388,779
Rutgers, State U. New Jersey, New Brunswick	50	328,201	315,754	643,955
Utah State U.	51	325,223	0	325,223
U. Tennessee, Knoxville	52	316,273	0	316,273
Emory U.	53	309,975	542,947	852,922
U. Nebraska, Lincoln	54	307,083	0	307,083
Florida State U.	55	302,660	25,944	328,604
U. Pittsburgh, Pittsburgh	56	302,182	833,234	1,135,416
U. Virginia, Charlottesville	57	298,495	312,818	611,313
Louisiana State U., Baton Rouge	58	296,673	0	296,673
Oregon State U.	59	276,955	0	276,955
Mississippi State U.	60	275,143	0	275,143
Auburn U., Auburn	61	266,374	0	266,374
Woods Hole Oceanographic Institution	62	262,048	0	262,048
U. Kentucky	63	260,265	168,976	429,241
U. Oklahoma, Norman and Health Science Center	64	254,760	125,288	380,048
SUNY, U. Buffalo	65	251,415	173,934	425,349
U. South Florida ^c	66	248,980	156,108	405,088
U. California, Santa Barbara	67	248,961	0	248,961
U. Hawaii, Manoa	68	241,188	30,580	271,768

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Institution	Rank	All non-medical school R&D expenditures	All medical school R&D expenditures	All R&D expenditures
U. Notre Dame	69	240,324	0	240,324
Clemson U.	70	237,485	0	237,485
U. Iowa	71	236,925	316,951	553,876
Indiana U., Bloomington	72	236,812	458,446	695,258
Duke U.	73	235,997	1,001,689	1,237,686
U. Delaware	74	231,532	0	231,532
Florida International U.	75	230,097	15,978	246,075
U. Kansas	76	226,381	159,256	385,637
Northwestern U.	77	225,075	688,103	913,178
U. California, San Francisco	78	223,418	1,486,618	1,710,036
U. Illinois, Chicago	79	221,452	208,133	429,585
George Mason U.	80	214,207	0	214,207
U. Massachusetts, Amherst	81	213,824	0	213,824
U. Central Florida	82	212,265	6,331	218,596
Northeastern U.	83	211,342	0	211,342
Rice U.	84	207,404	0	207,404
Georgia State U.	85	206,472	0	206,472
George Washington U.	86	204,797	61,311	266,108
Kansas State U.	87	203,846	0	203,846
U. Houston	88	201,821	715	202,536
Yale U.	89	200,736	964,412	1,165,148
Oklahoma State U., Stillwater	90	198,799	0	198,799
Texas Tech U.	91	197,739	0	197,739
U. South Carolina, Columbia	92	195,298	20,076	215,374
Montana State U., Bozeman	93	193,577	0	193,577
Temple U.	94	192,775	107,003	299,778
Wichita State U.	95	192,042	0	192,042
U. Dayton	96	191,228	0	191,228
U. Connecticut	97	190,108	112,221	302,329
Oregon Health and Science U.	98	186,750	266,062	452,812
U. Alabama, Birmingham	99	183,589	460,741	644,330
U. Louisiana, Lafayette	100	181,400	0	181,400
Dartmouth C. and Dartmouth Hitchcock Medical Center	101	180,785	149,441	330,226
Tufts U.	102	175,577	49,379	224,956
U. California, Riverside	103	174,130	15,470	189,600

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U. Alaska, Fairbanks	104	172,957	0	172,957
Virginia Commonwealth U.	105	170,117	193,979	364,096
U. New Hampshire	106	167,373	0	167,373
U. Colorado Anschutz Medical Campus ^d	107	166,749	396,106	562,855
New Jersey Institute of Technology	108	166,587	0	166,587
U. Arkansas, Fayetteville	109	164,443	0	164,443
North Dakota State U.	110	164,050	0	164,050
U. California, Santa Cruz	111	160,615	0	160,615
U. Chicago	112	159,978	337,673	497,651
U. Rochester	113	153,311	255,944	409,255
Syracuse U.	114	151,717	0	151,717
U. Alabama, Huntsville	115	149,792	0	149,792
SUNY, Stony Brook U.	116	149,435	125,081	274,516
West Virginia U.	117	147,730	52,177	199,907
U. Maine	118	146,801	0	146,801
U. Texas, San Antonio	119	145,362	0	145,362
U. New Mexico	120	142,627	189,939	332,566
U. Oregon	121	139,193	0	139,193
U. Nevada, Reno	122	138,941	36,445	175,386
U. Texas Health Science Center, Houston	123	133,727	175,096	308,823
Brown U.	124	129,958	146,373	276,331
U. Alabama, Tuscaloosa	125	129,509	0	129,509
U. Rhode Island	126	129,296	0	129,296
Tulane U.	127	126,504	78,702	205,206
U. Texas, Arlington	128	126,477	0	126,477
SUNY, Binghamton U.	129	124,565	0	124,565
U. Texas, Dallas	130	122,825	0	122,825
U. Montana, Missoula	131	121,571	0	121,571
Rensselaer Polytechnic Institute	132	119,056	0	119,056
U. North Dakota	133	117,398	26,108	143,506
Cold Spring Harbor Laboratory	134	114,903	0	114,903
SUNY, U. Albany	135	114,501	0	114,501
New Mexico State U.	136	110,580	0	110,580
Washington U., Saint Louis	137	110,405	878,809	989,214
U. Texas, El Paso	138	109,410	0	109,410

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U. Cincinnati	139	108,159	443,667	551,826
San Diego State U.	140	107,681	0	107,681
Brandeis U.	141	107,549	0	107,549
U. Idaho	142	105,895	0	105,895
Georgetown U.	143	104,183	175,749	279,932
Drexel U.	144	103,976	48,776	152,752
U. Massachusetts, Lowell	145	94,708	0	94,708
U. Nevada, Las Vegas	146	93,493	7,516	101,009
U. Wyoming	147	93,202	0	93,202
U. Vermont	148	91,507	103,813	195,320
Uniformed Services U. of the Health Sciences	149	90,950	293,540	384,490
U. Maryland, Baltimore County	150	84,418	0	84,418
Michigan Technological U.	151	81,715	0	81,715
Colorado School of Mines	152	81,443	0	81,443
U. North Texas, Denton	153	81,252	0	81,252
U. Miami	154	79,976	295,865	375,841
U. Nebraska, Medical Center	155	79,432	121,542	200,974
Wayne State U.	156	76,744	158,775	235,519
Case Western Reserve U.	157	74,606	347,262	421,868
Texas State U.	158	72,510	0	72,510
Cleveland State U.	159	71,451	0	71,451
Northern Arizona U.	160	69,129	0	69,129
William & Mary	161	68,801	0	68,801
U. Southern Mississippi	162	67,417	0	67,417
U. Memphis	163	67,092	0	67,092
American U.	164	65,912	0	65,912
Van Andel Research Institute	165	65,789	0	65,789
Indiana U.-Purdue U., Indianapolis	166	65,330	0	65,330
Boston C.	167	65,156	0	65,156
Naval Postgraduate School	168	65,101	0	65,101
U. Mississippi	169	64,746	51,429	116,175
U. Louisville	170	64,651	135,711	200,362
U. Massachusetts, Boston	171	63,723	0	63,723
Old Dominion U.	172	62,332	0	62,332
San Jose State U.	173	60,100	0	60,100

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Rochester Institute of Technology	174	56,043	0	56,043
U. Wisconsin-Milwaukee	175	55,664	0	55,664
Missouri U. of Science and Technology	176	54,437	0	54,437
CUNY, City C.	177	53,491	3,870	57,361
U. North Carolina, Charlotte	178	51,877	0	51,877
South Dakota State U.	179	51,542	0	51,542
U. Maryland Center for Environmental Science	180	51,201	0	51,201
U. California, Office of the President	181	50,848	0	50,848
Florida Atlantic U.	182	50,842	7,629	58,471
Kent State U.	183	50,408	0	50,408
Baylor U.	184	48,809	0	48,809
Worcester Polytechnic Institute	185	48,702	0	48,702
Florida A&M U.	186	47,124	0	47,124
U. North Texas, Health Science Center	187	46,889	3,809	50,698
Medical U. South Carolina	188	46,789	230,972	277,761
Mercer U.	189	46,350	5,639	51,989
Boise State U.	190	46,065	0	46,065
U. California, Merced	191	45,964	0	45,964
Air Force Institute of Technology	192	45,703	0	45,703
U. Texas Health Science Center, San Antonio	193	45,383	174,351	219,734
Brigham Young U., Provo	194	43,916	0	43,916
Stevens Institute of Technology	195	43,386	0	43,386
Southern Methodist U.	196	41,960	0	41,960
Portland State U.	197	41,311	0	41,311
Lehigh U.	198	41,279	0	41,279
North Carolina Agricultural and Technical State U.	199	40,751	0	40,751
Saint Louis U.	200	40,260	38,745	79,005
Ohio U.	201	39,536	10,228	49,764
U. Denver	202	38,751	0	38,751
Georgia Southern U.	203	37,201	0	37,201
Marquette U.	204	37,087	0	37,087
U. North Carolina, Greensboro	205	37,033	0	37,033
U. West Florida	206	36,837	0	36,837
San Francisco State U.	207	35,768	0	35,768
Catholic U. of America	208	35,548	0	35,548

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East Carolina U.	209	35,378	16,284	51,662
U. Texas Rio Grande Valley	210	35,373	22,814	58,187
U. Toledo	211	34,657	18,512	53,169
Howard U.	212	34,072	18,340	52,412
CUNY, Hunter C.	213	33,816	0	33,816
U.S. Air Force Academy	214	32,086	0	32,086
Texas A&M U.-Corpus Christi	215	30,500	0	30,500
U. Puerto Rico, Medical Sciences Campus	216	30,421	13,690	44,111
Illinois Institute of Technology	217	29,698	0	29,698
U. Puerto Rico, Rio Piedras	218	28,896	0	28,896
Southern Illinois U., Carbondale	219	28,870	18,340	47,210
New Mexico Institute of Mining and Technology	220	28,745	0	28,745
U. Massachusetts, Dartmouth	221	28,729	0	28,729
SUNY, C. of Environmental Science and Forestry	222	28,440	0	28,440
U. Texas Health Science Center, Tyler	223	27,928	0	27,928
Louisiana Tech U.	224	27,417	0	27,417
Tennessee State U.	225	26,880	0	26,880
U. Missouri, Kansas City	226	26,521	7,334	33,855
Desert Research Institute	227	26,365	0	26,365
California Polytechnic State U., San Luis Obispo	228	25,953	0	25,953
Chapman U.	229	25,820	0	25,820
Northern Illinois U.	230	25,261	0	25,261
Miami U.	231	25,138	0	25,138
Villanova U.	232	24,723	0	24,723
Teachers C., Columbia U.	233	24,335	0	24,335
Illinois State U.	234	24,152	0	24,152
Rutgers, State U. New Jersey, Newark	235	23,854	0	23,854
U. Minnesota, Duluth	236	23,767	0	23,767
U. South Alabama	237	23,741	23,869	47,610
California State U., Sacramento	238	23,699	0	23,699
Texas A&M U.-Kingsville	239	23,578	0	23,578
Florida Institute of Technology	240	23,195	0	23,195
Delaware State U.	241	23,193	0	23,193
Middle Tennessee State U.	242	22,531	0	22,531
Tuskegee U.	243	21,355	0	21,355

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U. Alaska, Anchorage	244	21,332	0	21,332
U. Nebraska, central administration	245	21,295	0	21,295
Morgan State U.	246	20,628	0	20,628
Oakland U.	247	20,214	47	20,261
California State U., East Bay	248	20,108	0	20,108
Western Michigan U. and Homer Stryker M.D. School of Medicine	249	19,939	5,375	25,314
Embry-Riddle Aeronautical U.	250	19,830	0	19,830
U.S. Military Academy	251	19,696	0	19,696
U. Nebraska, Omaha	252	19,006	0	19,006
Kennesaw State U.	253	18,880	0	18,880
U. South Dakota	254	18,805	8,732	27,537
Bowling Green State U.	255	18,619	0	18,619
U. Puerto Rico, Mayaguez	256	18,368	0	18,368
Southern Illinois U., Edwardsville	257	18,044	0	18,044
U. Colorado Denver ^d	258	18,039	0	18,039
Tarleton State U.	259	17,729	0	17,729
U. Guam	260	17,666	0	17,666
Prairie View A&M U.	261	17,582	0	17,582
Thomas Jefferson U.	262	17,525	182,868	200,393
Montclair State U.	263	17,390	0	17,390
U. Akron	264	17,340	0	17,340
Wright State U.	265	17,067	9,192	26,259
U. New Orleans	266	16,979	0	16,979
Clarkson U.	267	16,765	0	16,765
Fordham U.	268	16,731	0	16,731
U. North Carolina, Wilmington	269	16,656	0	16,656
California State U., Northridge	270	16,573	0	16,573
U. Tulsa	271	16,449	0	16,449
Jackson State U.	272	16,157	0	16,157
CUNY, Queens C.	273	16,063	0	16,063
U. North Florida	274	15,782	0	15,782
South Dakota School of Mines and Technology	275	15,746	0	15,746
Rowan U.	276	15,649	10,809	26,458
CUNY, Advanced Science Research Center	277	15,403	0	15,403
Tennessee Technological U.	278	15,387	0	15,387

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Texas Tech U., Health Sciences Center	279	15,344	26,239	41,583
Texas Christian U.	280	15,285	51	15,336
U. of the Virgin Islands	281	15,231	0	15,231
California State U., Long Beach	282	15,134	0	15,134
Long Island U.	283	15,059	0	15,059
CUNY, Graduate School of Public Health and Health Policy	284	15,035	0	15,035
Montana Technological U.	285	14,933	0	14,933
James Madison U.	286	14,687	0	14,687
U. Baltimore	287	14,672	0	14,672
U. Missouri, Saint Louis	288	14,632	0	14,632
New School	289	14,281	0	14,281
Alcorn State U.	290	14,188	0	14,188
North Carolina Central U.	291	14,105	0	14,105
Humboldt State U.	292	14,103	0	14,103
Wake Forest U.	293	13,997	250,219	264,216
Idaho State U.	294	13,953	0	13,953
Western Washington U.	295	13,450	0	13,450
Nova Southeastern U.	296	12,976	11,537	24,513
Sam Houston State U.	297	12,946	369	13,315
U. Hawaii, system office	298	12,918	0	12,918
Loyola Marymount U.	299	12,819	0	12,819
Xavier U. Louisiana	300	12,799	0	12,799
CUNY, John Jay C. of Criminal Justice	301	11,791	0	11,791
Hampton U.	302	11,669	0	11,669
California State U., San Bernardino	303	11,607	0	11,607
Charles R. Drew U. of Medicine and Science	304	11,522	1,706	13,228
Central Michigan U.	305	11,233	10,493	21,726
U. Tennessee, Chattanooga	306	11,192	0	11,192
Rhode Island C.	307	10,990	0	10,990
U.S. Naval Academy	308	10,818	0	10,818
Salisbury U.	309	10,552	0	10,552
Duquesne U.	310	10,521	0	10,521
California State U., San Marcos	311	10,213	0	10,213
Virginia State U.	312	10,123	0	10,123
Missouri State U.	313	10,014	0	10,014

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West Texas A&M U.	314	9,920	0	9,920
St. Edward's U.	315	9,527	0	9,527
California State U., Los Angeles	316	9,382	0	9,382
East Tennessee State U.	317	9,218	9,231	18,449
California State U., Fresno	318	9,213	0	9,213
SUNY, Upstate Medical U.	319	9,193	35,677	44,870
Texas Southern U.	320	9,128	0	9,128
Alabama A&M U.	321	9,065 i	0 i	9,065 i
California State U., Fullerton	322	9,006	0	9,006
Bryn Mawr C.	323	8,987	0	8,987
Clark Atlanta U.	324	8,892	0	8,892
Marshall U.	325	8,884	14,736	23,620
Ball State U.	326	8,826	0	8,826
Kentucky State U.	327	8,756	0	8,756
Central State U.	328	8,751	0	8,751
U. Arkansas, Pine Bluff	329	8,713	0	8,713
U. Maryland, Eastern Shore	330	8,636	0	8,636
Arkansas State U., Jonesboro	331	8,422	0	8,422
U. Washington, Bothell	332	8,311	0	8,311
Florida Gulf Coast U.	333	8,197	0	8,197
Winston-Salem State U.	334	8,123	0	8,123
U. of the District of Columbia	335	8,104	0	8,104
Augusta U.	336	8,026	108,454	116,480
Wesleyan U.	337	8,009	0	8,009
Clark U.	338	7,931	0	7,931
William Paterson U.	339	7,867	0	7,867
Lincoln U., Jefferson City	340	7,621	0	7,621
Loyola U., Chicago	341	7,583	36,453	44,036
U. San Diego	342	7,580	0	7,580
U. Texas Medical Branch	343	7,558	178,201	185,759
Creighton U.	344	7,542 i	15,709 i	23,251
U. Michigan, Dearborn	345	7,472	0	7,472
U. Hawaii, Hilo	346	7,411	0	7,411
U. Arkansas, Little Rock	347	7,397	0	7,397
Claremont Graduate U.	348	7,235	0	7,235

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Eastern Michigan U.	349	7,233	0	7,233
California State Polytechnic U., Pomona	350	7,011	0	7,011
Western Kentucky U.	351	6,944	0	6,944
California State U., Monterey Bay	352	6,882	0	6,882
Grand Valley State U.	353	6,809	0	6,809
DePaul U.	354	6,675	0	6,675
West Virginia State U.	355	6,565	0	6,565
C. Charleston	356	6,361	0	6,361
Langston U.	357	6,345	0	6,345
CUNY, Brooklyn C.	358	6,318	0	6,318
California State U., Bakersfield	359	6,253	0	6,253
Wellesley C.	360	6,252	0	6,252
Indiana U. Pennsylvania	361	6,180	0	6,180
Southern U. and A&M C., Agricultural Research and Extension Center	362	6,164	0	6,164
Gallaudet U.	363	6,126	0	6,126
U. Central Oklahoma	364	5,997 i	0 i	5,997 i
Roseman U. of Health Sciences	365	5,985	0	5,985
Southern Connecticut State U.	366	5,750	0	5,750
Purdue U., Northwest	367	5,647	0	5,647
Western U. of Health Sciences	368	5,560	1,128	6,688
Naval War C.	369	5,542	0	5,542
U. Texas Southwestern Medical Center	370	5,520	626,614	632,134
Pennsylvania State U., Behrend	371	5,509	0	5,509
U. Southern Maine	372	5,480	0	5,480
Colorado C.	373	5,467	0	5,467
Yeshiva U.	374	5,452	0	5,452
U. Colorado Colorado Springs	375	5,338	0	5,338
Seton Hall U.	376	5,320	0	5,320
Azusa Pacific U.	377	5,318	0	5,318
U. of Health Sciences and Pharmacy in St. Louis	378	5,313	0	5,313
Hofstra U.	379	5,277	268	5,545
Hope C.	380	5,211	0	5,211
U. of St. Thomas (MN)	381	5,146	0	5,146
Rutgers, State U. New Jersey, Camden	382	5,142	0	5,142
Reed C.	383	5,132 i	0 i	5,132 i

TABLE 36

Higher education R&D expenditures at all institutions, ranked by all non-medical school R&D expenditures: FY 2021

(Dollars in thousands)

Institution	Rank	All non-medical school R&D expenditures	All medical school R&D expenditures	All R&D expenditures
U. Oklahoma, Tulsa	384	5,090	2,095	7,185
Louisiana State U., Health Sciences Center, New Orleans	385	5,071	39,299	44,370
High Tech High Graduate School of Ed.	386	5,032	0	5,032
Midwestern U.	387	4,995	5,966	10,961
U. New England	388	4,988	1,246	6,234
Toyota Technological Institute, Chicago	389	4,967	0	4,967
Southern U. and A&M C., Baton Rouge	390	4,943	0	4,943
Texas Woman's U.	390	4,943	0	4,943
Williams C.	392	4,902 i	0 i	4,902 i
U. North Carolina, Asheville	393	4,844	0	4,844
Fort Valley State U.	394	4,842	0	4,842
Lamar U.	395	4,734	0	4,734
Pacific U.	396	4,690	0	4,690
U.S. Army War C.	397	4,662 i	0 i	4,662 i
Amherst C.	398	4,636	0	4,636
Barnard C.	399	4,632	0	4,632
Abilene Christian U.	400	4,597	0	4,597
U. Detroit Mercy	401	4,578	0	4,578
Morehouse C.	402	4,533	0	4,533
Claremont McKenna C.	403	4,515	0	4,515
Appalachian State U.	404	4,509	0	4,509
Des Moines U.	405	4,502 i	756 i	5,258 i
Bucknell U.	406	4,476	0	4,476
West Chester U. Pennsylvania	407	4,433	0	4,433
U. Wisconsin-Stevens Point	408	4,401	0	4,401
Fisk U.	409	4,320	0	4,320
Norfolk State U.	410	4,316	0	4,316
Oregon Institute of Technology	411	4,314	0	4,314
U. Washington, Tacoma	412	4,291	0	4,291
CUNY, Graduate Center	413	4,265	0	4,265
California State U., Chico	414	4,209	0	4,209
CUNY, Lehman C.	415	4,181	0	4,181
Grinnell C.	416	4,122	0	4,122
Smith C.	417	4,085	0	4,085
U. New Haven	418	4,069	0	4,069

TABLE 36

Higher education R&D expenditures at all institutions, ranked by all non-medical school R&D expenditures: FY 2021

(Dollars in thousands)

Institution	Rank	All non-medical school R&D expenditures	All medical school R&D expenditures	All R&D expenditures
U. North Carolina, general administration	419	4,024	0	4,024
U. of the Sciences Philadelphia	420	4,005	0	4,005
U. Central Arkansas	421	3,990	0	3,990
Fayetteville State U.	422	3,933	0	3,933
South Carolina State U.	422	3,933 i	0 i	3,933 i
Murray State U.	424	3,844	0	3,844
Haverford C.	425	3,835	0	3,835
Texas A&M U.-Commerce	426	3,827	0	3,827
Rush U.	427	3,807	103,591	107,398
Carleton C.	428	3,800	0	3,800
Towson U.	429	3,794	0	3,794
National Defense U.	430	3,786	0	3,786
Memorial Sloan Kettering Cancer Center, Louis V. Gerstner Jr. Graduate S. of Biomedical Sciences	431	3,776	0	3,776
Texas A&M International U.	432	3,740	0	3,740
Franklin and Marshall C.	433	3,722	0	3,722
Albany C. of Pharmacy and Health Sciences	434	3,687	0	3,687
Pace U.	435	3,649	0	3,649
Occidental C.	436	3,587	0	3,587
U. Massachusetts, central office	437	3,541	0	3,541
Kean U.	438	3,538	0	3,538
Western Illinois U.	439	3,532	0	3,532
U. Texas of the Permian Basin	440	3,504	0	3,504
SUNY, C. of Optometry	441	3,460	0	3,460
Dakota State U.	442	3,416	0	3,416
Northern Kentucky U.	443	3,403	0	3,403
U. Virginia's C. Wise	444	3,310	0	3,310
Colgate U.	445	3,306	0	3,306
Swarthmore C.	446	3,296	0	3,296
U. Northern Iowa	447	3,259	0	3,259
Stephen F. Austin State U.	448	3,204	0	3,204
U. Nebraska, Kearney	449	3,201	0	3,201
Milwaukee School of Engineering	450	3,193	0	3,193
U. Northern Colorado	451	3,159	0	3,159
Santa Clara U.	452	3,142	0	3,142
MGH Institute of Health Professions	453	3,037	0	3,037

TABLE 36

Higher education R&D expenditures at all institutions, ranked by all non-medical school R&D expenditures: FY 2021

(Dollars in thousands)

Institution	Rank	All non-medical school R&D expenditures	All medical school R&D expenditures	All R&D expenditures
U. Wisconsin-La Crosse	454	3,001	0	3,001
Colorado State U., Pueblo	455	2,990	0	2,990
Sonoma State U.	456	2,957	0	2,957
St. John's U., New York	457	2,940	0	2,940
Pennsylvania State U., Harrisburg	458	2,938	0	2,938
Middlebury C.	459	2,927	0	2,927
Saint Joseph's U.	460	2,922	0	2,922
Trinity U.	461	2,905	0	2,905
CUNY, C. Staten Island	462	2,860	0	2,860
Western Carolina U.	463	2,847	0	2,847
Philadelphia C. of Osteopathic Medicine	464	2,837	3,349	6,186
Northwest Indian C.	465	2,806 i	0 i	2,806 i
California State U., Maritime Academy	466	2,799	0	2,799
Youngstown State U.	467	2,775	0	2,775
Austin Peay State U.	468	2,740	0	2,740
Pittsburg State U.	469	2,730	0	2,730
California State U., Dominguez Hills	470	2,690	0	2,690
Alfred U.	471	2,660	0	2,660
Christopher Newport U.	472	2,656	0	2,656
Pepperdine U.	473	2,655	0	2,655
Alabama State U.	474	2,631	0	2,631
Bates C.	475	2,620	0	2,620
U. Illinois, Springfield	476	2,612	0	2,612
U. Wisconsin-Superior	477	2,602	0	2,602
Winthrop U.	478	2,586	0	2,586
Pratt Institute	479	2,547	0	2,547
Dillard U.	480	2,528	0	2,528
CUNY, Baruch C.	481	2,521	0	2,521
Purdue U., Fort Wayne	482	2,495	0	2,495
Ponce Health Sciences U.	483	2,472	20,825	23,297
Davidson C.	484	2,466	0	2,466
Johnson C. Smith U.	485	2,461 i	0 i	2,461 i
Furman U.	486	2,431	0	2,431
Saginaw Valley State U.	487	2,428 i	0 i	2,428 i
Bowdoin C.	488	2,417	0	2,417

TABLE 36

Higher education R&D expenditures at all institutions, ranked by all non-medical school R&D expenditures: FY 2021

(Dollars in thousands)

Institution	Rank	All non-medical school R&D expenditures	All medical school R&D expenditures	All R&D expenditures
Central Washington U.	489	2,410	0	2,410
Framingham State U.	490	2,401 i	0 i	2,401 i
St. Cloud State U.	491	2,379	0	2,379
Touro U.	492	2,368	1,121	3,489
Harvey Mudd C.	493	2,359	0	2,359
California State U., Channel Islands	494	2,341	0	2,341
Skidmore C.	495	2,335	0	2,335
Marymount U.	496	2,307	0	2,307
U. Richmond	497	2,294	0	2,294
Spelman C.	498	2,282	0	2,282
Lewis and Clark C.	499	2,281	0	2,281
U. Texas, Tyler	500	2,279	0	2,279
Keck Graduate Institute	501	2,254 i	0 i	2,254 i
Coastal Carolina U.	502	2,245	0	2,245
Palmer C. of Chiropractic, Davenport	503	2,233	0	2,233
U. Louisiana, Monroe	504	2,198	0	2,198
Minnesota State U., Mankato	505	2,170	0	2,170
Pomona C.	506	2,146	0	2,146
Sul Ross State U.	507	2,143 i	0 i	2,143 i
Grambling State U.	508	2,124	0	2,124
Texas Tech U., Health Sciences Center, El Paso	509	2,122	9,238	11,360
Tougaloo C.	510	2,092 i	0 i	2,092 i
California State U., Stanislaus	511	2,085	0	2,085
SUNY, Geneseo	512	2,070	0	2,070
Loma Linda U.	513	2,067	11,962	14,029
Citadel Military C. South Carolina	514	2,054	0	2,054
Suffolk U.	515	2,043	0	2,043
U. South Carolina, Aiken	516	2,042	0	2,042
Elon U.	517	2,032	0	2,032
Mount Holyoke C.	518	2,026	0	2,026
New England C. of Optometry	519	1,978	0	1,978
Meharry Medical C.	520	1,970	13,870	15,840
SUNY, Buffalo State	521	1,962	0	1,962
Hobart and William Smith Colleges	522	1,941	0	1,941
Mercyhurst U.	523	1,937 i	0 i	1,937 i

TABLE 36

Higher education R&D expenditures at all institutions, ranked by all non-medical school R&D expenditures: FY 2021

(Dollars in thousands)

Institution	Rank	All non-medical school R&D expenditures	All medical school R&D expenditures	All R&D expenditures
Fort Lewis C.	524	1,926	0	1,926
Eastern Washington U.	525	1,921	0	1,921
Northeastern Illinois U.	526	1,913	0	1,913
C. New Jersey	527	1,912	0	1,912
U. Puerto Rico, Cayey	528	1,881	0	1,881
U. Wisconsin-Green Bay	529	1,879	0	1,879
Manhattan C.	530	1,864	0	1,864
Roger Williams U.	531	1,854	0	1,854
U. Wisconsin-Eau Claire	532	1,852	0	1,852
Hawaii Pacific U.	533	1,849	0	1,849
U. Houston-Downtown	534	1,828	0	1,828
Willamette U.	535	1,817	0	1,817
Savannah State U.	536	1,804	0	1,804
Trinity C., Hartford	537	1,775	0	1,775
New York Medical C.	538	1,774	17,098	18,872
Lawrence Technological U.	539	1,764	0	1,764
Morehead State U.	540	1,754	0	1,754
Hamilton C.	541	1,747	0	1,747
Heidelberg U.	542	1,725	0	1,725
Erikson Institute	543	1,723	0	1,723
Southeastern Louisiana U.	543	1,723	0	1,723
Elizabeth City State U.	545	1,717	0	1,717
U. Houston-Clear Lake	546	1,716	0	1,716
Rosalind Franklin U. of Medicine and Science	547	1,686	12,119	13,805
Colby C.	548	1,672	0	1,672
Monmouth U.	549	1,667	0	1,667
CUNY, system office	550	1,664	0	1,664
Northwestern State U. Louisiana	551	1,663	0	1,663
U. Wisconsin-Oshkosh	552	1,656	0	1,656
Eastern Connecticut State U.	553	1,646	0	1,646
Franklin W. Olin C. of Engineering	554	1,627	0	1,627
New York Institute of Technology	555	1,607	2,858	4,465
Vassar C.	556	1,606	0	1,606
U. Ana G. Mendez, Gurabo	557	1,574	0	1,574
Seattle U.	558	1,562	0	1,562

TABLE 36

Higher education R&D expenditures at all institutions, ranked by all non-medical school R&D expenditures: FY 2021

(Dollars in thousands)

Institution	Rank	All non-medical school R&D expenditures	All medical school R&D expenditures	All R&D expenditures
Troy U.	559	1,548	0	1,548
La Sierra U.	560	1,517	0	1,517
Calvin U.	561	1,490 i	0 i	1,490 i
Drake U.	562	1,488	0	1,488
U. North Georgia	563	1,415	0	1,415
Bowie State U.	564	1,398	0	1,398
U. of the Incarnate Word	565	1,397	585	1,982
Union C., Schenectady	566	1,396	0	1,396
U. San Francisco	567	1,375	0	1,375
U. of the Pacific	568	1,371	0	1,371
CUNY, New York City C. of Technology	569	1,367	0	1,367
Northern Michigan U.	570	1,364	0	1,364
Marshall B. Ketchum U.	571	1,351 i	0 i	1,351 i
U. Puerto Rico, Humacao	572	1,321	0	1,321
Kettering U.	573	1,315	0	1,315
Central Connecticut State U.	574	1,314	0	1,314
Babson C.	575	1,286	0	1,286
Black Hills State U.	576	1,280	0	1,280
Macalester C.	576	1,280	0	1,280
SUNY, C. Plattsburgh	576	1,280	0	1,280
Florida Polytechnic U.	579	1,269	0	1,269
U. Hartford	580	1,252	0	1,252
Stockton U.	581	1,246	0	1,246
Connecticut C.	582	1,244	0	1,244
Biola U.	583	1,243 i	0 i	1,243 i
Northeast Ohio Medical U.	584	1,241	12,612	13,853
Doane U.	585	1,176 i	0 i	1,176 i
U. Alaska, Southeast	585	1,176	0	1,176
U. Wisconsin-Platteville	587	1,144 i	0 i	1,144 i
CUNY, York C.	588	1,133	0	1,133
New Mexico Highlands U.	589	1,129 i	0 i	1,129 i
Albion C.	590	1,127 i	0 i	1,127 i
Saint John's U.	591	1,125 i	0 i	1,125 i
U. of Mary Washington	592	1,123	0	1,123
SUNY, C. Brockport	593	1,114	0	1,114

TABLE 36

Higher education R&D expenditures at all institutions, ranked by all non-medical school R&D expenditures: FY 2021

(Dollars in thousands)

Institution	Rank	All non-medical school R&D expenditures	All medical school R&D expenditures	All R&D expenditures
Northland C.	594	1,096 i	0 i	1,096 i
C. Wooster	595	1,071 i	0 i	1,071 i
C. of Saint Benedict	596	1,064 i	0 i	1,064 i
Indiana State U.	597	1,042	0	1,042
Alaska Pacific U.	598	1,036	0	1,036
Canisius C.	598	1,036	0	1,036
Ithaca C.	600	1,030	0	1,030
Clafin U.	601	1,015	0	1,015
Lafayette C.	601	1,015	0	1,015
Augustana U.	603	1,013	0	1,013
SUNY, Oswego	604	1,003	0	1,003
U. Wisconsin-River Falls	605	999	0	999
Eastern Kentucky U.	606	986	0	986
Sacred Heart U.	607	972	0	972
Rhode Island School of Design	608	971 i	0 i	971 i
U. Hawaii, Maui C.	609	967	0	967
Keene State C.	610	919	0	919
SUNY, Downstate Health Sciences U.	611	904	33,555	34,459
Indiana U., South Bend	612	898	0	898
Arcadia U.	613	889	0	889
Albany State U.	614	880	0	880
U. Minnesota, Morris	615	855	0	855
Mills C.	616	850	0	850
National U. of Natural Medicine	616	850	0	850
Fairfield U.	618	849	0	849
Fielding Graduate U.	619	843	0	843
St. Olaf C.	620	816	0	816
American Samoa Community C.	621	815	0	815
Andrews U.	622	802	0	802
Fort Hays State U.	623	800	0	800
Oberlin C.	624	776	0	776
Providence C.	625	766	0	766
U. Michigan, Flint	626	752	0	752
Liberty U.	627	731	206	937
Wheaton C., Wheaton	628	729	0	729

TABLE 36

Higher education R&D expenditures at all institutions, ranked by all non-medical school R&D expenditures: FY 2021

(Dollars in thousands)

Institution	Rank	All non-medical school R&D expenditures	All medical school R&D expenditures	All R&D expenditures
Dordt U.	629	696	0	696
Niagara U.	630	509	0	509
Albizu U.	631	428	0	428
Lipscomb U.	632	321	0	321
Jacksonville State U.	633	275	0	275
Eastern Virginia Medical School	634	196	19,219	19,415
Medical C. Wisconsin	635	7	276,843	276,850
Albert Einstein C. of Medicine	636	1	301,714	301,715
U. Arkansas for Medical Sciences	636	1	194,708	194,709
Albany Medical C.	-	0	22,443	22,443
Baylor C. of Medicine	-	0	716,976	716,976
Edward Via C. of Osteopathic Medicine	-	0	6,629	6,629
Icahn School of Medicine at Mount Sinai	-	0	820,260	820,260
Louisiana State U., Health Sciences Center, Shreveport	-	0	24,600	24,600
Morehouse School of Medicine	-	0	32,637	32,637
Oklahoma State U., Center for Health Sciences	-	0	7,758	7,758
U. Central del Caribe	-	0	3,831	3,831
U. Massachusetts, Medical School	-	0	347,337	347,337
U. Tennessee, Health Science Center	-	0	109,562	109,562
West Virginia School of Osteopathic Medicine	-	0	1,255	1,255

i = imputed.

^a Johns Hopkins University includes the Applied Physics Laboratory, with \$1,949,752 thousand in total R&D expenditures in FY 2021.

^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.

^c The University of South Florida includes expenditures from the University of South Florida, Tampa; University of South Florida, Saint Petersburg; and University of South Florida, Sarasota-Manatee campuses. Due to the consolidation of the three campuses that occurred on 1 July 2020, University of South Florida, Saint Petersburg and University of South Florida, Sarasota-Manatee began reporting with the University of South Florida, Tampa as the University of South Florida. Prior to FY 2021, all three campuses reported to the survey as separate institutions.

^d The University of Colorado Denver and University of Colorado Anschutz Medical Center report to the survey separately. Prior to FY 2021, expenditures were reported together under University of Colorado Denver and Anschutz Medical Campus.

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 2021.