

TABLE 36

Higher education R&D expenditures at all institutions, ranked by all non-medical school R&D expenditures: FY 2022

(Dollars in thousands)

Institution	Rank	All non-medical school R&D expenditures	All medical school R&D expenditures	All R&D expenditures
All institutions	-	61,736,180	35,944,348	97,680,528
Johns Hopkins U. ^a	1	2,576,453	843,859	3,420,312
Georgia Institute of Technology	2	1,231,485	0	1,231,485
U. Texas M. D. Anderson Cancer Center	3	1,182,536	0	1,182,536
Texas A&M U., College Station and Health Science Center	4	1,101,461	51,205	1,152,666
U. Michigan, Ann Arbor	5	1,035,272	735,436	1,770,708
U. Wisconsin-Madison	6	992,684	530,829	1,523,513
Massachusetts Institute of Technology	7	989,166	0	989,166
U. California, Berkeley	8	981,035	0	981,035
Harvard U.	9	889,932	418,526	1,308,458
Pennsylvania State U., University Park and Hershey Medical Center	10	873,565	146,375	1,019,940
U. California, San Diego	11	834,512	698,845	1,533,357
U. Minnesota, Twin Cities	12	821,611	380,473	1,202,084
U. Texas, Austin	13	800,344	45,552	845,896
Arizona State U.	14	797,224	0	797,224
U. Illinois, Urbana-Champaign	15	765,515	394	765,909
Purdue U., West Lafayette	16	754,627	0	754,627
U. Maryland ^b	17	733,875	494,675	1,228,550
Cornell U.	18	719,945	580,412	1,300,357
U. Washington, Seattle	19	715,873	843,835	1,559,708
Ohio State U.	20	692,667	670,721	1,363,388
Michigan State U.	21	660,710	98,519	759,229
U. California, Davis	22	647,841	235,966	883,807
Columbia U. in the City of New York	23	636,328	594,596	1,230,924
U. Colorado Boulder	24	611,380	0	611,380
U. North Carolina, Chapel Hill	25	597,439	763,589	1,361,028
Virginia Polytechnic Institute and State U.	26	591,861	0	591,861
U. Florida	27	588,063	497,771	1,085,834
North Carolina State U.	28	583,203	0	583,203
U. Pennsylvania	29	582,333	1,208,978	1,791,311
U. Arizona	30	557,299	267,041	824,340
U. California, Los Angeles	31	546,606	989,591	1,536,197
U. Georgia	32	545,631	0	545,631
U. Southern California	33	535,766	504,139	1,039,905
Boston U.	34	515,070	210,332	725,402
Scripps Research Institute	35	492,639	0	492,639
Vanderbilt U. and Vanderbilt U. Medical Center	36	482,229	603,994	1,086,223
California Institute of Technology	37	478,142	0	478,142
Princeton U.	38	461,185	0	461,185
Colorado State U., Fort Collins	39	456,911	0	456,911
Carnegie Mellon U.	40	449,707	0	449,707
New York U.	41	445,010	831,028	1,276,038
Stanford U.	42	419,783	964,772	1,384,555
SUNY, Polytechnic Institute	43	413,763	0	413,763
Iowa State U.	44	393,184	0	393,184
Rutgers, State U. New Jersey, New Brunswick	45	368,718	343,513	712,231
U. Utah	46	368,213	301,906	670,119
U. Delaware	47	368,107	0	368,107

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Rockefeller U.	48	360,877	0	360,877
U. California, Irvine	49	355,839	179,108	534,947
Washington State U.	50	354,892	13,504	368,396
U. Pittsburgh, Pittsburgh	51	351,191	900,807	1,251,998
U. Missouri, Columbia	52	350,727	81,583	432,310
Emory U.	53	350,583	607,698	958,281
Utah State U.	54	344,851	0	344,851
Louisiana State U., Baton Rouge	55	344,556	0	344,556
U. Nebraska, Lincoln	56	340,260	0	340,260
U. Virginia, Charlottesville	57	325,141	337,517	662,658
U. Tennessee, Knoxville	58	324,435	0	324,435
Florida State U.	59	324,215	31,771	355,986
Auburn U., Auburn	60	304,439	0	304,439
Mississippi State U.	61	303,418	0	303,418
Oregon State U.	62	297,934	0	297,934
U. Kentucky	63	286,985	189,532	476,517
U. Notre Dame	64	280,604	0	280,604
U. Oklahoma, Norman and Health Science Center	65	280,548	128,108	408,656
U. California, Santa Barbara	66	278,897	0	278,897
Florida International U.	67	268,734	12,931	281,665
Northwestern U.	68	264,587	736,108	1,000,695
Indiana U., Bloomington	69	263,849	487,460	751,309
Clemson U.	70	263,158	0	263,158
Wichita State U.	71	261,519	0	261,519
U. Iowa	72	259,158	335,057	594,215
Duke U.	73	257,692	1,132,846	1,390,538
Woods Hole Oceanographic Institution	74	255,017	0	255,017
U. South Florida ^C	75	253,283	151,883	405,166
U. Hawaii, Manoa	76	249,777	27,546	277,323
U. Kansas	77	246,247	159,020	405,267
U. Massachusetts, Amherst	78	245,158	0	245,158
U. Connecticut	79	242,333	125,224	367,557
U. Houston	80	239,331	795	240,126
U. Illinois, Chicago	81	236,592	203,981	440,573
SUNY, U. Buffalo	82	236,011	203,698	439,709
U. New Mexico	83	235,677	95,487	331,164
Northeastern U.	84	231,607	0	231,607
George Mason U.	85	230,068	0	230,068
U. California, San Francisco	86	227,586	1,578,364	1,805,950
Texas Tech U.	87	226,729	0	226,729
Rice U.	88	216,202	0	216,202
Georgia State U.	89	215,908	0	215,908
Kansas State U.	90	212,974	0	212,974
U. Central Florida	91	212,494	8,994	221,488
U. Dayton	92	211,494	0	211,494
Virginia Commonwealth U.	93	209,897	196,001	405,898
U. Chicago	94	206,795	385,010	591,805
U. South Carolina, Columbia	95	206,536	22,626	229,162

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Institution	Rank	All non-medical school R&D expenditures	All medical school R&D expenditures	All R&D expenditures
U. New Hampshire	96	206,392	0	206,392
U. Louisiana, Lafayette	97	205,201	0	205,201
George Washington U.	98	204,128	71,355	275,483
U. Alaska, Fairbanks	99	202,516	0	202,516
Montana State U., Bozeman	100	200,820	0	200,820
Oklahoma State U., Stillwater	101	195,041	0	195,041
Yale U.	102	191,998	999,203	1,191,201
Dartmouth C. and Dartmouth Hitchcock Medical Center	103	191,635	152,491	344,126
Oregon Health and Science U.	104	191,624	287,602	479,226
Temple U.	105	187,806	113,589	301,395
U. Arkansas, Fayetteville	106	184,080	0	184,080
U. Alabama, Birmingham	107	182,054	531,426	713,480
U. California, Riverside	108	181,304	17,831	199,135
Tufts U.	109	180,163	51,061	231,224
U. Rochester	110	176,830	273,975	450,805
U. California, Santa Cruz	111	176,760	0	176,760
North Dakota State U.	112	174,904	0	174,904
SUNY, Stony Brook U.	113	173,643	139,055	312,698
U. Maine	114	171,931	0	171,931
U. Alabama, Huntsville	115	169,532	0	169,532
New Jersey Institute of Technology	116	167,135	0	167,135
U. Alabama, Tuscaloosa	117	163,204	0	163,204
U. Oregon	118	160,500	0	160,500
Syracuse U.	119	157,407	0	157,407
West Virginia U.	120	155,825	58,256	214,081
Brown U.	121	153,818	156,962	310,780
U. Texas Health Science Center, Houston	122	149,276	193,357	342,633
U. Colorado Anschutz Medical Campus ^d	123	148,067	463,291	611,358
U. Texas, San Antonio	124	147,629	0	147,629
U. Nevada, Reno	125	145,427	36,355	181,782
U. Wyoming	126	139,764	0	139,764
U. Texas, Arlington	127	133,770	0	133,770
Tulane U.	128	131,740	90,865	222,605
U. Texas, Dallas	129	130,914	0	130,914
SUNY, Binghamton U.	130	130,882	0	130,882
U. Texas, El Paso	131	130,501	0	130,501
Georgetown U.	132	130,263	182,957	313,220
SUNY, U. Albany	133	129,796	0	129,796
U. Rhode Island	134	129,102	0	129,102
U. Montana, Missoula	135	125,603	0	125,603
San Diego State U.	136	123,856	0	123,856
U. Cincinnati	137	123,425	491,645	615,070
Rensselaer Polytechnic Institute	138	121,809	0	121,809
New Mexico State U.	139	121,472	0	121,472
Washington U., Saint Louis	140	120,154	926,944	1,047,098
Cold Spring Harbor Laboratory	141	118,034	0	118,034
U. North Dakota	142	117,121	30,596	147,717
U. Idaho	143	115,603	0	115,603

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Drexel U.	144	111,290	40,613	151,903
U. Massachusetts, Lowell	145	111,144	0	111,144
U. Maryland, Baltimore County	146	110,319	0	110,319
Texas State U.	147	110,102	0	110,102
U. Miami	148	105,520	333,780	439,300
U. Vermont	149	104,401	111,906	216,307
Brandeis U.	150	102,378	0	102,378
Colorado School of Mines	151	98,404	0	98,404
U. North Texas, Denton	152	93,538	0	93,538
Michigan Technological U.	153	91,084	0	91,084
U. Mississippi	154	90,057	62,846	152,903
New Mexico Institute of Mining and Technology	155	89,900	0	89,900
U. Nevada, Las Vegas	156	89,011	5,956	94,967
Uniformed Services U. of the Health Sciences	157	87,295	189,945	277,240
U. Nebraska, Medical Center	158	84,173	121,080	205,253
Cleveland State U.	159	81,225	0	81,225
Van Andel Research Institute	160	78,626	0	78,626
William & Mary	161	75,953	0	75,953
Wayne State U.	162	75,743	166,504	242,247
U. Louisville	163	74,975	154,607	229,582
Case Western Reserve U.	164	72,720	394,669	467,389
U. Southern Mississippi	165	72,477	0	72,477
San Jose State U.	166	71,695	0	71,695
U. Memphis	167	71,271	0	71,271
Boston C.	168	68,958	0	68,958
American U.	169	67,616	0	67,616
Northern Arizona U.	170	66,729	0	66,729
Baylor U.	171	66,014	0	66,014
U. Massachusetts, Boston	172	65,215	0	65,215
Old Dominion U.	173	64,877	0	64,877
Indiana U.-Purdue U., Indianapolis	174	64,162	0	64,162
Naval Postgraduate School	175	64,055	0	64,055
Rochester Institute of Technology	176	62,383	0	62,383
CUNY, City C.	177	61,090	4,479	65,569
South Dakota State U.	178	59,590	0	59,590
Southern Methodist U.	179	57,544	0	57,544
Worcester Polytechnic Institute	180	56,904	0	56,904
U. Wisconsin-Milwaukee	181	56,822	0	56,822
U. California, Office of the President	182	54,640	0	54,640
Florida Atlantic U.	183	54,013	7,735	61,748
U. Maryland Center for Environmental Science	184	53,718	0	53,718
Stevens Institute of Technology	185	53,563	0	53,563
Missouri U. of Science and Technology	186	53,357	0	53,357
Kent State U.	187	52,175	0	52,175
U. Texas Health Science Center, San Antonio	188	51,883	186,627	238,510
Lehigh U.	189	51,769	0	51,769
Medical U. South Carolina	190	51,501	233,052	284,553
Florida A&M U.	191	50,636	0	50,636
Saint Louis U.	192	49,414	33,326	82,740

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U. California, Merced	193	48,147	0	48,147
North Carolina A&T State U.	194	47,908	0	47,908
Boise State U.	195	47,617	0	47,617
Howard U.	196	46,495	21,099	67,594
Brigham Young U., Provo	197	45,610	0	45,610
U. Denver	198	45,561	0	45,561
Mercer U.	199	44,729	5,493	50,222
Air Force Institute of Technology	200	44,391	0	44,391
U. North Carolina, Charlotte	201	43,126	0	43,126
U. Texas Rio Grande Valley	202	42,991	21,410	64,401
Portland State U.	203	41,483	0	41,483
Ohio U.	204	41,473	10,992	52,465
U. North Carolina, Greensboro	205	41,303	0	41,303
Marquette U.	206	40,638	0	40,638
U. West Florida	207	38,870	0	38,870
U. Toledo	208	38,244	26,410	64,654
Catholic U. of America	209	38,191	0	38,191
U. Missouri, Kansas City	210	37,776	14,881	52,657
Oakland U.	211	36,906	1,155	38,061
San Francisco State U.	212	36,617	0	36,617
U.S. Air Force Academy	213	36,506	0	36,506
Georgia Southern U.	214	36,362	0	36,362
Texas A&M U.-Corpus Christi	215	36,014	0	36,014
CUNY, Hunter C.	216	35,348	0	35,348
Chapman U.	217	34,212	0	34,212
U. Texas Health Science Center, Tyler	218	33,872	0	33,872
East Carolina U.	219	33,405	22,288	55,693
California Polytechnic State U., San Luis Obispo	220	33,155	0	33,155
U. Massachusetts, Dartmouth	221	33,136	0	33,136
SUNY, C. of Environmental Science and Forestry	222	32,904	0	32,904
U. Puerto Rico, Medical Sciences Campus	223	32,769	14,809	47,578
Montclair State U.	224	32,202	0	32,202
Teachers C., Columbia U.	225	30,978	0	30,978
Illinois Institute of Technology	226	29,791	0	29,791
Southern Illinois U., Carbondale	227	29,690	17,277	46,967
Morgan State U.	228	29,482	0	29,482
Delaware State U.	229	29,016	0	29,016
Miami U.	230	28,799	0	28,799
Embry-Riddle Aeronautical U.	231	28,650	0	28,650
Desert Research Institute	232	28,478	0	28,478
Rutgers, State U. New Jersey, Newark	233	28,345	0	28,345
U. Puerto Rico, Rio Piedras	234	28,083	0	28,083
Northern Illinois U.	235	27,068	0	27,068
Louisiana Tech U.	236	26,591	0	26,591
Villanova U.	237	25,955	0	25,955
Illinois State U.	238	25,510	0	25,510
U. Nebraska, central administration	239	25,402	0	25,402
U. Nebraska, Omaha	240	24,259	0	24,259
California State U., Sacramento	241	23,795	0	23,795

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U. South Alabama	242	23,754	19,737	43,491
Texas A&M U.-Kingsville	243	23,451	0	23,451
U. Minnesota, Duluth	244	23,362	0	23,362
Western Michigan U. and Homer Stryker M.D. School of Medicine	245	23,066	4,702	27,768
Middle Tennessee State U.	246	22,631	0	22,631
Tuskegee U.	247	21,941	0	21,941
U. New Orleans	248	21,911	0	21,911
Kennesaw State U.	249	21,705	0	21,705
Clarkson U.	250	21,703	0	21,703
CUNY, Queens C.	251	21,434	0	21,434
U. Alaska, Anchorage	252	21,024	0	21,024
U.S. Military Academy	253	20,841	0	20,841
U. Guam	254	20,481	0	20,481
Fordham U.	255	20,432	0	20,432
Prairie View A&M U.	256	20,429	0	20,429
U. of the Virgin Islands	257	20,259	0	20,259
South Dakota School of Mines and Technology	258	20,061	0	20,061
Tarleton State U.	259	20,056	0	20,056
U. North Carolina, Wilmington	260	20,053	0	20,053
U. Akron	261	19,943	0	19,943
Wake Forest U.	262	19,773	249,336	269,109
California State U., Northridge	263	19,638	0	19,638
Bowling Green State U.	264	19,342	0	19,342
New School	265	19,218	0	19,218
Southern Illinois U., Edwardsville	266	19,152	0	19,152
California State U., East Bay	267	19,035	0	19,035
Rowan U.	268	18,993	10,956	29,949
U. North Florida	269	18,394	0	18,394
Texas Christian U.	270	18,326	27	18,353
U. Puerto Rico, Mayaguez	271	18,274	0	18,274
U. Colorado Denver ^d	272	18,080	0	18,080
Tennessee State U.	273	18,012	0	18,012
Wright State U.	274	17,880	9,560	27,440
California State U., Long Beach	275	17,807	0	17,807
Florida Institute of Technology	276	17,706	0	17,706
Jackson State U.	277	17,481	0	17,481
Texas Tech U., Health Sciences Center	278	17,464	29,110	46,574
U. Tulsa	279	17,416	0	17,416
Long Island U.	280	17,183	0	17,183
James Madison U.	281	17,021	0	17,021
Nova Southeastern U.	282	16,986	14,203	31,189
Alcorn State U.	283	16,726	0	16,726
California State U., Fullerton	284	16,642	0	16,642
Idaho State U.	285	16,615	0	16,615
North Carolina Central U.	286	16,600	0	16,600
CUNY, Advanced Science Research Center	287	16,507	0	16,507
CUNY, Graduate School of Public Health and Health Policy	288	16,423	0	16,423
Tennessee Technological U.	289	16,398	0	16,398

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CUNY, John Jay C. of Criminal Justice	290	16,233	0	16,233
California State Polytechnic U., Humboldt	291	15,612	0	15,612
U. South Dakota	292	15,580	14,742	30,322
Western Washington U.	293	15,081	0	15,081
East Tennessee State U.	294	14,813	8,607	23,420
Montana Technological U.	295	14,188	0	14,188
Xavier U. Louisiana	296	14,156	0	14,156
Duquesne U.	297	13,944	0	13,944
U. Missouri, Saint Louis	298	13,247	0	13,247
U. Tennessee, Chattanooga	299	12,808	0	12,808
Loyola Marymount U.	300	12,773	0	12,773
Charles R. Drew U. of Medicine and Science	301	12,709	1,872	14,581
U. Hawaii, system office	302	12,646	0	12,646
California State U., Fresno	303	12,603	0	12,603
Virginia State U.	304	12,326	0	12,326
Texas Southern U.	305	12,120	0	12,120
Central Michigan U.	306	12,054	13,051	25,105
California State U., San Bernardino	307	11,929	0	11,929
Sam Houston State U.	308	11,891	118	12,009
Augusta U.	309	11,579	115,734	127,313
Creighton U.	310	11,516 i	16,093 i	27,609
Lincoln U., Jefferson City	311	11,500	0	11,500
Hampton U.	312	11,462	0	11,462
Marshall U.	313	11,445	14,247	25,692
Missouri State U.	314	11,162	0	11,162
Rhode Island C.	315	11,127	0	11,127
U. of the District of Columbia	316	10,779	0	10,779
U.S. Naval Academy	317	10,664	0	10,664
SUNY, Upstate Medical U.	318	10,660	39,926	50,586
Salisbury U.	319	10,614	0	10,614
Loyola U., Chicago	320	10,469	35,700	46,169
Winston-Salem State U.	321	10,436	0	10,436
Central State U.	322	10,274	0	10,274
U. San Diego	323	10,143	0	10,143
Wesleyan U.	324	10,101	0	10,101
Fort Valley State U.	325	9,969	0	9,969
Ball State U.	326	9,932	0	9,932
Florida Gulf Coast U.	327	9,896	0	9,896
California State U., Los Angeles	328	9,839	0	9,839
U. North Texas, Health Science Center	329	9,655 i	784 i	10,439
Alabama A&M U.	330	9,611	0	9,611
West Texas A&M U.	331	9,438	0	9,438
Kentucky State U.	332	9,284	0	9,284
U. Maryland, Eastern Shore	333	9,274	0	9,274
California State U., San Marcos	334	9,238	0	9,238
Bryn Mawr C.	335	9,123	0	9,123
U. Texas Medical Branch	336	9,089	195,429	204,518
Saint Joseph's U.	337	9,041	0	9,041
California State U., Monterey Bay	338	8,975	0	8,975

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Clark U.	339	8,813	0	8,813
Clark Atlanta U.	340	8,791	0	8,791
Towson U.	341	8,788	0	8,788
Claremont Graduate U.	342	8,382	0	8,382
DePaul U.	343	8,362	0	8,362
Arkansas State U., Jonesboro	344	8,214	0	8,214
U. Washington, Bothell	345	8,197	0	8,197
U. Michigan, Dearborn	346	8,180	0	8,180
Eastern Michigan U.	347	8,025	0	8,025
U. Hawaii, Hilo	348	8,001	0	8,001
California State Polytechnic U., Pomona	349	7,909	0	7,909
U. Colorado Colorado Springs	350	7,761	0	7,761
Western Kentucky U.	351	7,720	0	7,720
Western U. of Health Sciences	352	7,652	1,377	9,029
William Paterson U.	353	7,574	0	7,574
U. Arkansas, Little Rock	354	7,530	0	7,530
U. Arkansas, Pine Bluff	355	7,506	0	7,506
Yeshiva U.	356	7,274	0	7,274
Appalachian State U.	357	7,189	0	7,189
Amherst C.	358	7,177	0	7,177
U. Texas Southwestern Medical Center	359	7,140	711,862	719,002
U. Central Oklahoma	360	7,070	0	7,070
Southern U. and A&M C., Agricultural Research and Extension Center	361	7,048	0	7,048
Louisiana State U., Health Sciences Center, New Orleans	362	6,951	47,044	53,995
West Virginia State U.	363	6,703	0	6,703
Grand Valley State U.	364	6,695	0	6,695
U. Baltimore	365	6,646	0	6,646
Hofstra U.	366	6,509	430	6,939
Langston U.	367	6,481	0	6,481
Rutgers, State U. New Jersey, Camden	368	6,480	0	6,480
C. Charleston	369	6,421	0	6,421
Purdue U., Northwest	370	6,387	0	6,387
Pennsylvania State U., Behrend	371	6,384	0	6,384
Gallaudet U.	372	6,360	0	6,360
Hope C.	373	6,355	0	6,355
Wellesley C.	374	6,326	0	6,326
Indiana U. Pennsylvania	375	6,313	0	6,313
Abilene Christian U.	376	6,310	0	6,310
Roseman U. of Health Sciences	377	6,296	0	6,296
Southern Connecticut State U.	378	6,286	0	6,286
CUNY, Brooklyn C.	379	6,220	0	6,220
High Tech High Graduate School of Ed.	380	6,203	0	6,203
Pacific U.	381	6,128	0	6,128
Texas Woman's U.	382	6,029	0	6,029
U. North Carolina, Asheville	383	5,973	0	5,973
Reed C.	384	5,922	0	5,922
West Chester U. Pennsylvania	385	5,903	0	5,903
Claremont McKenna C.	386	5,893	0	5,893
Grinnell C.	387	5,867	0	5,867

TABLE 36

Higher education R&D expenditures at all institutions, ranked by all non-medical school R&D expenditures: FY 2022

(Dollars in thousands)

Institution	Rank	All non-medical school R&D expenditures	All medical school R&D expenditures	All R&D expenditures
Smith C.	388	5,831	0	5,831
MGH Institute of Health Professions	389	5,805	0	5,805
Seton Hall U.	390	5,741	0	5,741
U. New England	391	5,684	980	6,664
Morehouse C.	392	5,664	0	5,664
Williams C.	393	5,657	0	5,657
Northwest Indian C.	394	5,632	0	5,632
U. Oklahoma, Tulsa	395	5,594	2,351	7,945
Naval War C.	396	5,529	0	5,529
CUNY, Graduate Center	397	5,509	0	5,509
Kean U.	398	5,499	0	5,499
U. Southern Maine	399	5,498	0	5,498
U.S. Army War C.	400	5,496	0	5,496
U. Washington, Tacoma	401	5,484	0	5,484
Lamar U.	402	5,304	0	5,304
Bucknell U.	403	5,259	0	5,259
U. Detroit Mercy	404	5,186	0	5,186
Midwestern U.	405	5,095	5,974	11,069
Oregon Institute of Technology	406	5,086	0	5,086
Barnard C.	407	4,988	0	4,988
Texas A&M U.-Commerce	408	4,955	0	4,955
Memorial Sloan Kettering Cancer Center, Louis V. Gerstner Jr. Graduate S. of Biomedical Sciences	409	4,954	0	4,954
Thomas Jefferson U.	410	4,925	316,719	321,644
California State U., Bakersfield	411	4,815	0	4,815
Dakota State U.	412	4,684	0	4,684
CUNY, Lehman C.	413	4,656	0	4,656
U. Wisconsin-Superior	414	4,615	0	4,615
U. New Haven	415	4,548	0	4,548
SUNY, C. of Optometry	416	4,497	0	4,497
Haverford C.	417	4,487	0	4,487
Texas A&M International U.	418	4,486	0	4,486
Toyota Technological Institute, Chicago	419	4,470	0	4,470
Franklin and Marshall C.	420	4,440	0	4,440
Citadel Military C. South Carolina	421	4,374	0	4,374
Carleton C.	422	4,358	0	4,358
Southern U. and A&M C., Baton Rouge	423	4,344	0	4,344
Colgate U.	424	4,343	0	4,343
Western Illinois U.	425	4,311	0	4,311
Loma Linda U.	426	4,301	11,216	15,517
U. of Health Sciences and Pharmacy in St. Louis	427	4,280	0	4,280
South Carolina State U.	428	4,270	0	4,270
California State U., Dominguez Hills	429	4,230	0	4,230
Santa Clara U.	430	4,225	0	4,225
Swarthmore C.	430	4,225	0	4,225
California State U., Chico	432	4,177	0	4,177
Youngstown State U.	433	4,157	0	4,157
Occidental C.	434	4,139	0	4,139
U. Nebraska, Kearney	435	4,009	0	4,009

TABLE 36

Higher education R&D expenditures at all institutions, ranked by all non-medical school R&D expenditures: FY 2022

(Dollars in thousands)

Institution	Rank	All non-medical school R&D expenditures	All medical school R&D expenditures	All R&D expenditures
Fisk U.	436	4,000	0	4,000
Philadelphia C. of Osteopathic Medicine	437	3,992	2,675	6,667
National Defense U.	438	3,920	0	3,920
Northern Kentucky U.	439	3,888	0	3,888
Rush U.	440	3,835	111,039	114,874
Pepperdine U.	441	3,775	0	3,775
Sonoma State U.	442	3,774	0	3,774
Des Moines U.	443	3,772	1,535	5,307
U. Wisconsin-Stevens Point	444	3,740	0	3,740
Coastal Carolina U.	445	3,724	0	3,724
Chicago State U.	446	3,701	0	3,701
U. Central Arkansas	447	3,684	0	3,684
Trinity U.	448	3,657	0	3,657
Colorado C.	449	3,646	0	3,646
Meharry Medical C.	450	3,637	14,323	17,960
Norfolk State U.	451	3,593	0	3,593
St. John's U., New York	452	3,592	0	3,592
U. Texas of the Permian Basin	453	3,577	0	3,577
CUNY, C. Staten Island	454	3,545	0	3,545
Milwaukee School of Engineering	454	3,545	0	3,545
Pace U.	456	3,524	0	3,524
U. North Carolina, general administration	457	3,522	0	3,522
U. Northern Iowa	458	3,486	0	3,486
Alfred U.	459	3,477	0	3,477
C. New Jersey	460	3,464	0	3,464
Winthrop U.	461	3,424	0	3,424
St. Edward's U.	462	3,393	0	3,393
Azusa Pacific U.	463	3,389	0	3,389
California State U., Channel Islands	464	3,377	0	3,377
Murray State U.	465	3,371	0	3,371
Bowie State U.	466	3,351	0	3,351
Harvey Mudd C.	467	3,350	0	3,350
U. Northern Colorado	468	3,308	0	3,308
Hawaii Pacific U.	469	3,302	0	3,302
Biola U.	470	3,260	0	3,260
U. Texas, Tyler	471	3,246	0	3,246
Hobart and William Smith Colleges	472	3,228	0	3,228
Fayetteville State U.	473	3,206	0	3,206
Texas Tech U., Health Sciences Center, El Paso	474	3,186	11,020	14,206
Stephen F. Austin State U.	475	3,184	0	3,184
Alabama State U.	476	3,178	0	3,178
Central Washington U.	477	3,176	0	3,176
Calvin U.	478	3,169	0	3,169
CUNY, Baruch C.	479	3,156	0	3,156
Austin Peay State U.	480	3,149	0	3,149
U. Louisiana, Monroe	481	3,128	0	3,128
Colorado State U., Pueblo	482	3,117	0	3,117
Lawrence Technological U.	483	3,050	0	3,050
U. Wisconsin-La Crosse	484	2,942	0	2,942

TABLE 36

Higher education R&D expenditures at all institutions, ranked by all non-medical school R&D expenditures: FY 2022

(Dollars in thousands)

Institution	Rank	All non-medical school R&D expenditures	All medical school R&D expenditures	All R&D expenditures
Pennsylvania State U., Harrisburg	485	2,927	0	2,927
CUNY, system office	486	2,900	0	2,900
Pittsburg State U.	487	2,884	0	2,884
U. Illinois, Springfield	488	2,881	0	2,881
Morehead State U.	489	2,880	0	2,880
Saginaw Valley State U.	490	2,862 i	0 i	2,862 i
Framingham State U.	491	2,830 i	0 i	2,830 i
Davidson C.	492	2,788	0	2,788
Western Carolina U.	493	2,783	0	2,783
Fort Lewis C.	494	2,765	0	2,765
Christopher Newport U.	495	2,762	0	2,762
U. Wisconsin-Green Bay	496	2,713	0	2,713
Spelman C.	497	2,686	0	2,686
Johnson C. Smith U.	498	2,685	0	2,685
U. Richmond	499	2,670	0	2,670
U. San Francisco	500	2,657	0	2,657
Furman U.	501	2,650	0	2,650
Bowdoin C.	502	2,648	0	2,648
U. Virginia's C. Wise	503	2,628	0	2,628
Middlebury C.	504	2,603	0	2,603
U. South Carolina, Aiken	505	2,595	0	2,595
Pomona C.	506	2,589	0	2,589
Vassar C.	507	2,580	0	2,580
Lewis and Clark C.	508	2,566	0	2,566
Franklin W. Olin C. of Engineering	509	2,554	0	2,554
Colby C.	510	2,530	0	2,530
Sul Ross State U.	511	2,526 i	0 i	2,526 i
Troy U.	512	2,517	0	2,517
U. of St. Thomas (MN)	513	2,476	0	2,476
Bates C.	514	2,468	0	2,468
Eastern Washington U.	515	2,437	0	2,437
Southeastern Louisiana U.	516	2,407	0	2,407
Tougaloo C.	517	2,336 i	0 i	2,336 i
Pratt Institute	518	2,325	0	2,325
Grambling State U.	519	2,306 i	0 i	2,306 i
Albany C. of Pharmacy and Health Sciences	520	2,276	0	2,276
Dillard U.	521	2,270	0	2,270
New York Institute of Technology	522	2,254	3,301	5,555
La Sierra U.	523	2,246	0	2,246
St. Cloud State U.	524	2,226	0	2,226
Northeastern Illinois U.	525	2,224	0	2,224
Minnesota State U., Mankato	526	2,206	0	2,206
Willamette U.	527	2,183	0	2,183
SUNY, Buffalo State	528	2,172	0	2,172
Roger Williams U.	529	2,156	0	2,156
Purdue U., Fort Wayne	530	2,134	0	2,134
Mount Holyoke C.	531	2,112	0	2,112
Dine C.	532	2,091	0	2,091
SUNY, Geneseo	532	2,091	0	2,091

TABLE 36

Higher education R&D expenditures at all institutions, ranked by all non-medical school R&D expenditures: FY 2022

(Dollars in thousands)

Institution	Rank	All non-medical school R&D expenditures	All medical school R&D expenditures	All R&D expenditures
Erikson Institute	534	2,068	0	2,068
Lafayette C.	535	2,059	0	2,059
Lake Superior State U.	536	2,056	0	2,056
Western New England U.	537	2,052	0	2,052
Palmer C. of Chiropractic, Davenport	538	2,050	0	2,050
U. Wisconsin-Oshkosh	539	1,990	0	1,990
Black Hills State U.	540	1,987	0	1,987
California State U., Stanislaus	541	1,966	0	1,966
CUNY, New York City C. of Technology	542	1,955	0	1,955
Monmouth U.	543	1,938	0	1,938
Elizabeth City State U.	544	1,934	0	1,934
CUNY, York C.	545	1,912	0	1,912
Utah Valley U.	546	1,895	0	1,895
Seattle U.	547	1,894	0	1,894
Northern Michigan U.	548	1,888	0	1,888
Savannah State U.	548	1,888	0	1,888
Hamilton C.	550	1,879	0	1,879
Connecticut C.	551	1,875	0	1,875
New England C. of Optometry	552	1,868	0	1,868
Northwestern State U. Louisiana	553	1,848	0	1,848
U. of the Pacific	554	1,835	0	1,835
Babson C.	555	1,825	0	1,825
U. Houston-Clear Lake	556	1,800	0	1,800
Elon U.	557	1,797	0	1,797
Virginia Military Institute	558	1,746	0	1,746
Eastern Connecticut State U.	559	1,734	0	1,734
Skidmore C.	559	1,734	0	1,734
U. North Georgia	559	1,734	0	1,734
Florida Polytechnic U.	562	1,725	0	1,725
C. Wooster	563	1,717	0	1,717
Butler U.	564	1,691	0	1,691
Drake U.	564	1,691	0	1,691
Macalester C.	564	1,691	0	1,691
Stockton U.	567	1,657	0	1,657
Manhattan C.	568	1,641	0	1,641
U. Wisconsin-Eau Claire	569	1,628	0	1,628
Trinity C., Hartford	570	1,620	0	1,620
Alaska Pacific U.	571	1,607	0	1,607
Rosalind Franklin U. of Medicine and Science	572	1,589	11,399	12,988
U. Alaska, Southeast	573	1,570	0	1,570
Marshall B. Ketchum U.	574	1,559	0	1,559
U. of the Incarnate Word	575	1,540	524	2,064
SUNY, C. Brockport	576	1,500	0	1,500
Northeast Ohio Medical U.	577	1,488	11,977	13,465
U. Houston-Downtown	578	1,485	0	1,485
Union C., Schenectady	579	1,479	0	1,479
U. Puerto Rico, Humacao	580	1,448	0	1,448
U. Ana G. Mendez, Gurabo	581	1,419	0	1,419
New York Medical C.	582	1,417	15,044	16,461

TABLE 36

Higher education R&D expenditures at all institutions, ranked by all non-medical school R&D expenditures: FY 2022

(Dollars in thousands)

Institution	Rank	All non-medical school R&D expenditures	All medical school R&D expenditures	All R&D expenditures
East Stroudsburg U. Pennsylvania	583	1,410	0	1,410
Suffolk U.	584	1,401	0	1,401
U. Puerto Rico, Cayey	585	1,390	0	1,390
Indiana State U.	586	1,354	0	1,354
U. Wisconsin-Platteville	587	1,349	0	1,349
New Mexico Highlands U.	588	1,331	0	1,331
Kenyon C.	589	1,330	0	1,330
Albion C.	590	1,300	0	1,300
Marymount U.	591	1,298	0	1,298
Saint John's U.	591	1,298	0	1,298
Keck Graduate Institute	593	1,282	0	1,282
Whitman C.	594	1,270	0	1,270
Northland C.	595	1,265	0	1,265
Texas A&M U.-San Antonio	596	1,242	0	1,242
U. of Mary Washington	597	1,229	0	1,229
C. of Saint Benedict	598	1,228	0	1,228
SUNY, Cobleskill	599	1,211	0	1,211
SUNY, Oswego	600	1,209	0	1,209
Nevada State C.	601	1,191	0	1,191
Heidelberg U.	602	1,184	0	1,184
Clafin U.	603	1,179	0	1,179
Bentley U.	604	1,161	0	1,161
Canisius C.	605	1,160	0	1,160
Morehouse School of Medicine	606	1,149	41,340	42,489
U. Hartford	607	1,090	0	1,090
U. Puget Sound	608	1,051	0	1,051
SUNY, C. Plattsburgh	609	1,043	0	1,043
Central Connecticut State U.	610	1,035	0	1,035
SUNY, Downstate Health Sciences U.	611	1,024	29,894	30,918
Ithaca C.	612	1,000	0	1,000
Robert Morris U.	612	1,000	0	1,000
St. Catherine U.	614	933	0	933
Kettering U.	615	816	0	816
Augustana U.	616	724	0	724
Plymouth State U.	617	669	0	669
Mercyhurst U.	618	661	0	661
Touro U., California	619	642	1,919	2,561
California Lutheran U.	620	627	0	627
California State U., Maritime Academy	621	526	0	526
Sonoran U. Health Sciences	622	520	0	520
U. Charleston	623	217	0	217
Oklahoma State U., Center for Health Sciences	624	131	8,237	8,368
Eastern Virginia Medical School	625	125	22,040	22,165
Medical C. Wisconsin	626	45	321,461	321,506
Albany Medical C.	-	0	22,297	22,297
Albert Einstein C. of Medicine	-	0	318,314	318,314
Baylor C. of Medicine	-	0	827,005	827,005
Edward Via C. of Osteopathic Medicine	-	0	7,121	7,121
Icahn School of Medicine at Mount Sinai	-	0	893,968	893,968

TABLE 36

Higher education R&D expenditures at all institutions, ranked by all non-medical school R&D expenditures: FY 2022

(Dollars in thousands)

Institution	Rank	All non-medical school R&D expenditures	All medical school R&D expenditures	All R&D expenditures
Louisiana State U., Health Sciences Center, Shreveport	-	0	29,502	29,502
U. Arkansas for Medical Sciences	-	0	205,493	205,493
U. Central del Caribe	-	0	5,053	5,053
U. Massachusetts, Medical School	-	0	358,204	358,204
U. Tennessee, Health Science Center	-	0	115,161	115,161
West Virginia School of Osteopathic Medicine	-	0	1,329	1,329

i = imputed.

^a Johns Hopkins University includes the Applied Physics Laboratory, with \$2,056,063 thousand in total R&D expenditures in FY 2022.

^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 2022.