

TABLE 72

Higher education R&D expenditures at institutions with a medical school, by state, institutional control, and institution: FY 2022

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Medical school R&D expenditures
Alabama		
Public		
U. Alabama, Birmingham	713,480	531,426
U. South Alabama	43,491	19,737
Arizona		
Public		
U. Arizona	824,340	267,041
Arkansas		
Public		
U. Arkansas for Medical Sciences	205,493	205,493
California		
Public		
U. California, Davis	883,807	235,966
U. California, Irvine	534,947	179,108
U. California, Los Angeles	1,536,197	989,591
U. California, Riverside	199,135	17,831
U. California, San Diego	1,533,357	698,845
U. California, San Francisco	1,805,950	1,578,364
Private		
Charles R. Drew U. of Medicine and Science ^a	14,581	1,872
Loma Linda U.	15,517	11,216
Stanford U.	1,384,555	964,772
Touro U., California	2,561	1,919
U. Southern California	1,039,905	504,139
Western U. of Health Sciences	9,029	1,377
Colorado		
Public		
U. Colorado Anschutz Medical Campus ^b	611,358	463,291
Connecticut		
Public		
U. Connecticut	367,557	125,224
Private		
Yale U.	1,191,201	999,203
District of Columbia		
Private		
George Washington U.	275,483	71,355
Georgetown U.	313,220	182,957
Howard U.	67,594	21,099
Florida		
Public		
Florida Atlantic U.	61,748	7,735
Florida International U.	281,665	12,931
Florida State U.	355,986	31,771
U. Central Florida	221,488	8,994
U. Florida	1,085,834	497,771
U. South Florida ^c	405,166	151,883
Private		
Nova Southeastern U.	31,189	14,203
U. Miami	439,300	333,780
Georgia		
Public		

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Augusta U.	127,313	115,734
Private		
Emory U.	958,281	607,698
Mercer U.	50,222	5,493
Morehouse School of Medicine	42,489	41,340
Hawaii		
Public		
U. Hawaii, Manoa	277,323	27,546
Illinois		
Public		
Southern Illinois U., Carbondale	46,967	17,277
U. Illinois, Chicago	440,573	203,981
U. Illinois, Urbana-Champaign	765,909	394
Private		
Loyola U., Chicago	46,169	35,700
Midwestern U.	11,069	5,974
Northwestern U.	1,000,695	736,108
Rosalind Franklin U. of Medicine and Science	12,988	11,399
Rush U.	114,874	111,039
U. Chicago	591,805	385,010
Indiana		
Public		
Indiana U., Bloomington	751,309	487,460
Iowa		
Public		
U. Iowa	594,215	335,057
Private		
Des Moines U.	5,307	1,535
Kansas		
Public		
U. Kansas	405,267	159,020
Kentucky		
Public		
U. Kentucky	476,517	189,532
U. Louisville	229,582	154,607
Louisiana		
Public		
Louisiana State U., Health Sciences Center, New Orleans	53,995	47,044
Louisiana State U., Health Sciences Center, Shreveport	29,502	29,502
Private		
Tulane U.	222,605	90,865
Maine		
Private		
U. New England	6,664	980
Maryland		
Public		
U. Maryland ^d	1,228,550	494,675
Uniformed Services U. of the Health Sciences	277,240	189,945
Private		
Johns Hopkins U. ^e	3,420,312	843,859
Massachusetts		

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Public		
U. Massachusetts, Medical School	358,204	358,204
Private		
Boston U.	725,402	210,332
Harvard U.	1,308,458	418,526
Tufts U.	231,224	51,061
Michigan		
Public		
Central Michigan U.	25,105	13,051
Michigan State U.	759,229	98,519
Oakland U.	38,061	1,155
U. Michigan, Ann Arbor	1,770,708	735,436
Wayne State U.	242,247	166,504
Western Michigan U. and Homer Stryker M.D. School of Medicine	27,768	4,702
Minnesota		
Public		
U. Minnesota, Twin Cities	1,202,084	380,473
Mississippi		
Public		
U. Mississippi	152,903	62,846
Missouri		
Public		
U. Missouri, Columbia	432,310	81,583
U. Missouri, Kansas City	52,657	14,881
Private		
Saint Louis U.	82,740	33,326
Washington U., Saint Louis	1,047,098	926,944
Nebraska		
Public		
U. Nebraska, Medical Center	205,253	121,080
Private		
Creighton U.	27,609	16,093
Nevada		
Public		
U. Nevada, Las Vegas	94,967	5,956
U. Nevada, Reno	181,782	36,355
New Hampshire		
Private		
Dartmouth C. and Dartmouth Hitchcock Medical Center	344,126	152,491
New Jersey		
Public		
Rowan U.	29,949	10,956
Rutgers, State U. New Jersey, New Brunswick	712,231	343,513
New Mexico		
Public		
U. New Mexico	331,164	95,487
New York		
Public		
CUNY, City C.	65,569	4,479
SUNY, Downstate Health Sciences U.	30,918	29,894
SUNY, Stony Brook U.	312,698	139,055

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SUNY, U. Buffalo	439,709	203,698
SUNY, Upstate Medical U.	50,586	39,926
Private		
Albany Medical C.	22,297	22,297
Albert Einstein C. of Medicine	318,314	318,314
Columbia U. in the City of New York	1,230,924	594,596
Cornell U.	1,300,357	580,412
Hofstra U.	6,939	430
Icahn School of Medicine at Mount Sinai	893,968	893,968
New York Institute of Technology	5,555	3,301
New York Medical C.	16,461	15,044
New York U.	1,276,038	831,028
U. Rochester	450,805	273,975
North Carolina		
Public		
East Carolina U.	55,693	22,288
U. North Carolina, Chapel Hill	1,361,028	763,589
Private		
Duke U.	1,390,538	1,132,846
Wake Forest U.	269,109	249,336
North Dakota		
Public		
U. North Dakota	147,717	30,596
Ohio		
Public		
Northeast Ohio Medical U.	13,465	11,977
Ohio State U.	1,363,388	670,721
Ohio U.	52,465	10,992
U. Cincinnati	615,070	491,645
U. Toledo	64,654	26,410
Wright State U.	27,440	9,560
Private		
Case Western Reserve U.	467,389	394,669
Oklahoma		
Public		
Oklahoma State U., Center for Health Sciences	8,368	8,237
U. Oklahoma, Norman and Health Science Center	408,656	128,108
U. Oklahoma, Tulsa	7,945	2,351
Oregon		
Public		
Oregon Health and Science U.	479,226	287,602
Pennsylvania		
Public		
Pennsylvania State U., University Park and Hershey Medical Center	1,019,940	146,375
Temple U.	301,395	113,589
U. Pittsburgh, Pittsburgh	1,251,998	900,807
Private		
Drexel U.	151,903	40,613
Philadelphia C. of Osteopathic Medicine	6,667	2,675
Thomas Jefferson U.	321,644	316,719
U. Pennsylvania	1,791,311	1,208,978

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Rhode Island		
Private		
Brown U.	310,780	156,962
South Carolina		
Public		
Medical U. South Carolina	284,553	233,052
U. South Carolina, Columbia	229,162	22,626
South Dakota		
Public		
U. South Dakota	30,322	14,742
Tennessee		
Public		
East Tennessee State U.	23,420	8,607
U. Tennessee, Health Science Center	115,161	115,161
Private		
Meharry Medical C.	17,960	14,323
Vanderbilt U. and Vanderbilt U. Medical Center	1,086,223	603,994
Texas		
Public		
Sam Houston State U.	12,009	118
Texas A&M U., College Station and Health Science Center	1,152,666	51,205
Texas Tech U., Health Sciences Center	46,574	29,110
Texas Tech U., Health Sciences Center, El Paso	14,206	11,020
U. Houston	240,126	795
U. North Texas, Health Science Center	10,439	784
U. Texas Health Science Center, Houston	342,633	193,357
U. Texas Health Science Center, San Antonio	238,510	186,627
U. Texas Medical Branch	204,518	195,429
U. Texas Rio Grande Valley	64,401	21,410
U. Texas Southwestern Medical Center	719,002	711,862
U. Texas, Austin	845,896	45,552
Private		
Baylor C. of Medicine	827,005	827,005
Texas Christian U.	18,353	27
U. of the Incarnate Word	2,064	524
Utah		
Public		
U. Utah	670,119	301,906
Vermont		
Public		
U. Vermont	216,307	111,906
Virginia		
Public		
Eastern Virginia Medical School	22,165	22,040
U. Virginia, Charlottesville	662,658	337,517
Virginia Commonwealth U.	405,898	196,001
Virginia Polytechnic Institute and State U.	591,861	0
Private		
Edward Via C. of Osteopathic Medicine	7,121	7,121
Washington		
Public		

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U. Washington, Seattle	1,559,708	843,835
Washington State U.	368,396	13,504
West Virginia		
Public		
Marshall U.	25,692	14,247
West Virginia School of Osteopathic Medicine	1,329	1,329
West Virginia U.	214,081	58,256
Wisconsin		
Public		
U. Wisconsin-Madison	1,523,513	530,829
Private		
Medical C. Wisconsin	321,506	321,461
Puerto Rico		
Public		
U. Puerto Rico, Medical Sciences Campus	47,578	14,809
Private		
U. Central del Caribe	5,053	5,053

i = imputed.

^a MD degrees are granted by the University of California, Los Angeles (UCLA) through the Drew/UCLA Medical Education program, a partnership between the Charles R. Drew University of Medicine and Science and the UCLA, David Geffen School of Medicine.

^b 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.

^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 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.

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

Note(s):

The source for medical schools is institution response to survey question 4.

Source(s):

National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2022.