

TABLE 71

Higher education R&D expenditures at institutions with a medical school, by state, institutional control, and institution: FY 2020

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Medical school R&D expenditures
Alabama		
Public		
U. Alabama, Birmingham	618,226	433,448
U. South Alabama	51,102	18,895
Arizona		
Public		
U. Arizona	760,975	199,558
Arkansas		
Public		
U. Arkansas for Medical Sciences	174,549	174,549
California		
Public		
U. California, Davis	816,693	218,837
U. California, Irvine	490,597	162,501
U. California, Los Angeles	1,392,941	877,779
U. California, Riverside	184,894	12,624
U. California, San Diego	1,403,735	567,066
U. California, San Francisco	1,651,073	1,429,634
Private		
Charles R. Drew U. of Medicine and Science ^a	13,682	1,761
Loma Linda U.	25,077	14,793
Stanford U.	1,203,950	804,496
Touro U.	3,551	1,496
U. Southern California	941,198	553,449
Western U. of Health Sciences	5,899	627
Colorado		
Public		
U. Colorado Denver and Anschutz Medical Campus	554,643	368,619
Connecticut		
Public		
U. Connecticut	280,131	91,115
Private		
Yale U.	1,094,135	897,405
District of Columbia		
Private		
George Washington U.	270,369	63,414
Georgetown U.	258,659	148,287
Howard U.	44,933	17,184
Florida		
Public		
Florida Atlantic U.	53,845	7,812
Florida International U.	236,842	13,240
Florida State U.	350,430	32,224
U. Central Florida	239,343	4,668
U. Florida	942,223	413,667
U. South Florida, Tampa	333,344	129,862
Private		
Nova Southeastern U.	26,035	11,588
U. Miami	381,410	289,710
Georgia		

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Public		
Augusta U.	103,961	99,310
Private		
Emory U.	808,792	489,072
Mercer U.	49,116	5,279
Morehouse School of Medicine	29,813	29,813
Hawaii		
Public		
U. Hawaii, Manoa	275,929	29,378
Illinois		
Public		
Southern Illinois U., Carbondale	41,617	19,746
U. Illinois, Chicago	412,147	188,917
U. Illinois, Urbana-Champaign	689,176	379
Private		
Loyola U., Chicago	39,365	32,954
Midwestern U.	10,479	6,667
Northwestern U.	874,671	669,341
Rosalind Franklin U. of Medicine and Science	14,601	13,448
Rush U.	94,438	91,199
U. Chicago	458,891	303,561
Indiana		
Public		
Indiana U., Bloomington	728,554	483,750
Iowa		
Public		
U. Iowa	538,583	305,951
Private		
Des Moines U.	5,021	722
Kansas		
Public		
U. Kansas	368,811	143,930
Kentucky		
Public		
U. Kentucky	417,674	164,532
U. Louisville	198,818	137,378
Louisiana		
Public		
Louisiana State U., Health Sciences Center, New Orleans	43,419	35,073
Louisiana State U., Health Sciences Center, Shreveport	25,321	25,321
Private		
Tulane U.	204,430	74,361
Maine		
Private		
U. New England	6,886	1,338
Maryland		
Public		
U. Maryland ^b	1,103,062	460,692
Uniformed Services U. of the Health Sciences	324,510	227,981
Private		

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Johns Hopkins U. ^c	3,110,494	756,810
Massachusetts		
Public		
U. Massachusetts, Medical School	279,096	279,096
Private		
Boston U.	583,267	175,831
Harvard U.	1,239,983	294,526
Tufts U.	216,241	48,027
Michigan		
Public		
Central Michigan U.	17,448	4,245
Michigan State U.	713,197	89,464
Oakland U.	12,949	1,069
U. Michigan, Ann Arbor	1,673,862	678,209
Wayne State U.	243,259	163,237
Western Michigan U. and Homer Stryker M.D. School of Medicine	24,541	5,617
Minnesota		
Public		
U. Minnesota, Twin Cities	1,042,382	325,841
Mississippi		
Public		
U. Mississippi	122,960	43,557
Missouri		
Public		
U. Missouri, Columbia	332,180	51,173
U. Missouri, Kansas City	36,356	5,209
Private		
Saint Louis U.	69,528	33,103
Washington U., Saint Louis	920,215	767,811
Nebraska		
Public		
U. Nebraska, Medical Center	202,406	125,498
Private		
Creighton U.	20,339	14,793 ⁱ
Nevada		
Public		
U. Nevada, Las Vegas	105,872	9,046
U. Nevada, Reno	159,790	31,078
New Hampshire		
Private		
Dartmouth C. and Dartmouth Hitchcock Medical Center	326,349	157,938
New Jersey		
Public		
Rowan U.	26,018	10,881
Rutgers, State U. New Jersey, New Brunswick	688,077	314,904
New Mexico		
Public		
U. New Mexico	243,375	99,013
New York		
Public		

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State, institutional control, and institution	All R&D expenditures	Medical school R&D expenditures
CUNY, City C.	45,632	4,337
SUNY, Downstate Medical Center	33,204	32,666
SUNY, Stony Brook U.	263,470	119,769
SUNY, U. Buffalo	422,038	206,086
SUNY, Upstate Medical U.	41,557	32,097
Private		
Albany Medical C.	23,510	23,510
Albert Einstein C. of Medicine	288,654	286,191
Columbia U. in the City of New York	1,032,909	529,123
Cornell U.	1,190,063	483,888
Hofstra U.	1,445	7
Icahn School of Medicine at Mount Sinai	747,014	747,014
New York Institute of Technology	3,580	2,263
New York Medical C.	20,137	17,107
New York U.	947,293	577,824
U. Rochester	397,211	246,992
North Carolina		
Public		
East Carolina U.	57,820	19,480
U. North Carolina, Chapel Hill	1,159,725	660,581
Private		
Duke U.	1,196,638	951,248
Wake Forest U.	244,643	230,497
North Dakota		
Public		
U. North Dakota	111,663	26,637
Ohio		
Public		
Northeast Ohio Medical U.	15,758	14,094
Ohio State U.	968,260	437,814
Ohio U.	51,914	9,464
U. Cincinnati	530,138	428,734
U. Toledo	54,100	18,480
Wright State U.	49,825	11,632
Private		
Case Western Reserve U.	439,778	356,343
Oklahoma		
Public		
Oklahoma State U., Center for Health Sciences	8,378	8,378
U. Oklahoma, Norman and Health Science Center	362,209	128,810
U. Oklahoma, Tulsa	7,483	2,473
Oregon		
Public		
Oregon Health and Science U.	446,890	257,102
Pennsylvania		
Public		
Pennsylvania State U., University Park and Hershey Medical Center	991,923	99,514
Temple U.	299,707	103,228
U. Pittsburgh, Pittsburgh	1,105,532	816,602
Private		

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Drexel U.	143,123	47,029
Philadelphia C. of Osteopathic Medicine	3,360	945
Thomas Jefferson U.	171,377	156,488
U. Pennsylvania	1,579,364	1,048,020
Rhode Island		
Private		
Brown U.	266,127	130,019
South Carolina		
Public		
Medical U. South Carolina	272,590	224,675
U. South Carolina, Columbia	219,464	18,183
South Dakota		
Public		
U. South Dakota	29,279	9,821
Tennessee		
Public		
East Tennessee State U.	13,925	8,667
U. Tennessee, Health Science Center	99,716	99,716
Private		
Meharry Medical C.	13,870	11,687
Vanderbilt U. and Vanderbilt U. Medical Center	824,803	461,701
Texas		
Public		
Sam Houston State U.	12,437	162
Texas A&M U., College Station and Health Science Center	1,130,803	52,199
Texas Tech U., Health Sciences Center	44,135	28,086
Texas Tech U., Health Sciences Center, El Paso	10,421	8,785
U. Houston	200,428	223
U. North Texas, Health Science Center	47,392	3,028
U. Texas Health Science Center, Houston	273,862	162,789
U. Texas Health Science Center, San Antonio	202,572	160,550
U. Texas Medical Branch	180,595	173,519
U. Texas Rio Grande Valley	56,702	22,605
U. Texas Southwestern Medical Center	595,939	523,714
U. Texas, Austin	797,199	35,055
Private		
Baylor C. of Medicine	685,641	685,641
Texas Christian U.	15,326	42
U. of the Incarnate Word	1,469	284
Utah		
Public		
U. Utah	607,061	217,404
Vermont		
Public		
U. Vermont	191,147	105,789
Virginia		
Public		
Eastern Virginia Medical School	20,870	20,635
U. Virginia, Charlottesville	652,002	327,421
Virginia Commonwealth U.	283,874	154,418

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Virginia Polytechnic Institute and State U.	556,341	0
Private		
Edward Via C. of Osteopathic Medicine	7,475	7,475
Liberty U.	1,894	130
Washington		
Public		
U. Washington, Seattle	1,456,902	703,387
Washington State U.	335,201	9,908
West Virginia		
Public		
Marshall U.	22,250	13,636
West Virginia School of Osteopathic Medicine	1,311	1,311
West Virginia U.	188,452	26,811
Wisconsin		
Public		
U. Wisconsin-Madison	1,363,931	471,616
Private		
Medical C. Wisconsin	264,325	264,325
Puerto Rico		
Public		
U. Puerto Rico, Medical Sciences Campus	37,217	12,807
Private		
Ponce Health Sciences U.	13,566	13,566
U. Central del Caribe	3,931	3,931

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 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 Johns Hopkins University includes the Applied Physics Laboratory, with \$1,909,094 thousand in total R&D expenditures in FY 2020.

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 2020.