

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2023

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
All institutions	-	108,681,008	59,603,993	5,437,566	27,654,829	6,221,128	6,671,012	3,092,480
Johns Hopkins U. ^a	1	3,801,585	3,324,551	10,271	164,758	126,685	168,401	6,919
U. California, San Francisco	2	2,046,539	858,066	45,056	505,006	143,206	313,964	181,241
U. Pennsylvania	3	1,953,617	936,469	27,849	642,815	203,003	134,455	9,026
U. Michigan, Ann Arbor	4	1,925,875	1,041,430	1,934	679,205	113,903	80,894	8,509
U. Washington, Seattle	5	1,734,091	1,188,836	33,833	125,390	71,487	260,986	53,559
U. Wisconsin-Madison	6	1,731,949	816,814	125,524	542,782	46,133	153,068	47,628
U. California, Los Angeles	7	1,721,665	878,571	105,632	354,575	109,531	219,227	54,129
U. California, San Diego	8	1,705,410	1,083,790	70,790	250,973	96,416	109,398	94,043
U. North Carolina, Chapel Hill	9	1,549,617	907,710	61,576	407,817	58,179	92,573	21,762
Stanford U.	10	1,537,846	943,669	31,872	189,108	144,300	219,578	9,319
Duke U.	11	1,507,996	974,202	773	191,004	219,452	96,327	26,238
New York U.	12	1,457,424	787,204	9,599	327,502	73,289	118,376	141,454
Cornell U.	13	1,451,971	705,132	95,202	276,682	59,081	129,082	186,792
Ohio State U.	14	1,449,188	694,647	64,139	424,124	155,194	63,964	47,120
Harvard U.	15	1,435,218	639,953	4,250	488,906	71,497	202,605	28,007
Georgia Institute of Technology	16	1,405,080	1,083,903	128,291	61,494	94,476	31,073	5,843
U. Pittsburgh, Pittsburgh	17	1,398,078	916,735	11,421	315,634	43,372	64,516	46,400
U. Maryland ^b	18	1,385,302	825,546	57,007	401,833	37,011	54,377	9,528
Columbia U. in the City of New York	19	1,341,952	988,670	6,298	119,863	91,828	132,930	2,363
Yale U.	20	1,326,807	741,198	1,710	404,706	80,221	93,363	5,609
U. Minnesota, Twin Cities	21	1,320,183	702,483	76,395	386,198	55,081	40,764	59,262
Texas A&M U., College Station and Health Science Center	22	1,277,814	546,481	251,300	353,916	37,390	53,710	35,017
U. Texas M. D. Anderson Cancer Center	23	1,255,190	259,285	300,907	256,545	248,261	38,163	152,029
Vanderbilt U. and Vanderbilt U. Medical Center	24	1,253,156	751,019	3,821	357,729	86,265	39,591	14,731
U. Florida	25	1,250,201	529,391	193,910	389,065	42,055	58,010	37,770
Pennsylvania State U., University Park and Hershey Medical Center	26	1,206,793	781,303	49,379	265,205	29,300	29,539	52,067
Washington U., Saint Louis	27	1,168,861	758,464	571	188,985	129,843	89,041	1,957
U. Southern California	28	1,154,804	683,819	11,881	239,488	93,933	72,744	52,939
Northwestern U.	29	1,114,269	678,062	586	303,778	67,114	58,196	6,533
Emory U.	30	1,094,328	664,370	244	279,302	64,772	81,897	3,743
U. California, Berkeley	31	1,076,754	496,298	47,005	242,494	75,493	188,887	26,577
U. Texas, Austin	32	1,035,838	621,223	37,601	235,987	79,753	52,764	8,510
Massachusetts Institute of Technology	33	1,000,081	559,766	2,079	73,497	176,277	112,591	75,871

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2023

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Icahn School of Medicine at Mount Sinai	34	972,476	658,916	8,359	147,069	80,437	62,202	15,493
U. California, Davis	35	962,399	494,847	78,096	244,082	55,403	48,643	41,328
U. Arizona	36	955,424	434,700	37,173	304,671	25,328	31,154	122,398
Arizona State U.	37	903,779	340,880	102,208	310,531	24,693	99,781	25,686
Indiana U., Bloomington	38	853,056	432,223	5,804	303,085	36,938	69,773	5,233
Baylor C. of Medicine	39	847,305	440,345	34,061	282,695	33,100	57,104	0
Purdue U., West Lafayette	40	844,570	385,738	42,119	267,313	78,298	31,453	39,649
Michigan State U.	41	844,076	435,564	46,353	300,588	18,603	22,693	20,275
Rutgers, State U. New Jersey, New Brunswick	42	831,719	400,930	117,514	207,008	37,495	64,220	4,552
U. Illinois, Urbana-Champaign	43	821,023	460,491	24,473	234,686	44,275	35,768	21,330
U. Texas Southwestern Medical Center	44	800,391	336,126	95,710	191,493	46,325	66,076	64,661
U. Alabama, Birmingham	45	780,479	451,880	14,884	184,658	74,171	36,533	18,353
Boston U.	46	773,200	409,551	500	230,370	23,362	93,532	15,885
U. Utah	47	723,713	416,079	4,670	214,320	48,761	35,413	4,470
U. Virginia, Charlottesville	48	714,457	354,748	13,101	214,946	31,588	31,392	68,682
U. Cincinnati	49	698,642	391,943	7,782	185,586	49,685	44,304	19,342
U. Colorado Anschutz Medical Campus	50	686,026	474,523	28,973	52,000	59,129	51,546	19,855
U. Iowa	51	662,134	331,824	7,627	228,803	34,039	24,365	35,476
U. Colorado Boulder	52	651,924	538,715	5,264	42,462	15,045	18,275	32,163
North Carolina State U.	53	633,251	279,179	134,547	150,288	64,505	4,472	260
U. Chicago	54	628,302	476,689	3,902	46,651	44,990	53,670	2,400
U. Nebraska, Lincoln and Medical Center ^c	55	617,372	280,120	76,042	177,595	32,720	27,961	22,934
U. California, Irvine	56	609,614	335,393	19,360	132,261	46,182	33,514	42,904
Virginia Polytechnic Institute and State U.	57	598,113	282,152	78,279	179,590	35,761	13,021	9,310
U. Georgia	58	570,956	221,804	61,887	257,757	12,988	11,982	4,538
Case Western Reserve U.	59	553,740	431,736	11,202	80,506	4,659	23,331	2,306
Oregon Health and Science U.	60	517,742	374,043	1,348	48,537	53,139	40,419	256
Princeton U.	61	513,365	219,600	1,252	144,341	20,077	76,101	51,994
U. Miami	62	509,951	291,783	16,251	128,438	48,022	25,118	339
U. Kentucky	63	504,005	265,543	34,829	151,066	11,737	12,511	28,319
Colorado State U., Fort Collins	64	498,073	354,401	22,951	75,358	13,597	21,049	10,717
Uniformed Services U. of the Health Sciences	65	496,441	403,671	0	88,281	0	4,489	0
Scripps Research Institute	66	494,946	278,099	3,331	146,451	31,164	35,901	0
U. Illinois, Chicago	67	492,936	274,424	9,293	158,846	9,469	30,905	9,999

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2023

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
California Institute of Technology	68	490,672	310,519	3,870	53,950	35,867	29,024	57,442
Carnegie Mellon U.	69	484,757	279,954	3,623	128,082	47,152	15,669	10,277
U. Rochester	70	481,227	368,190	3,666	57,142	30,075	16,014	6,140
Virginia Commonwealth U.	71	479,930	184,852	47,846	207,023	22,681	17,458	70
SUNY, U. Buffalo	72	471,569	257,857	32,647	124,197	20,309	29,292	7,267
U. Kansas	73	466,222	211,111	44,851	152,432	30,988	13,436	13,404
U. Missouri, Columbia	74	462,435	217,091	65,868	146,211	15,816	11,225	6,224
U. South Florida	75	461,390	242,224	25,735	160,703	13,502	16,015	3,211
U. Oklahoma, Norman and Health Science Center	76	436,964	219,964	22,816	169,611	12,753	10,096	1,724
U. Delaware	77	428,128	202,469	13,161	188,645	5,204	8,191	10,458
Iowa State U.	78	420,823	195,394	34,183	156,282	21,246	13,084	634
Florida State U.	79	414,463	195,323	36,977	166,809	5,614	3,466	6,274
Utah State U.	80	401,437	322,336	27,831	30,207	9,204	813	11,046
U. Connecticut	81	390,165	238,701	5,973	117,252	11,251	12,293	4,695
Rockefeller U.	82	385,168	101,422	101	244,237	3,089	35,953	366
Louisiana State U., Baton Rouge	83	384,268	127,243	73,829	156,614	14,807	6,295	5,480
Washington State U.	84	378,744	207,086	61,333	84,199	12,077	12,411	1,638
U. Texas Health Science Center, Houston	85	374,105	197,759	48,815	66,008	17,466	34,341	9,716
Dartmouth C. and Dartmouth Hitchcock Medical Center	86	366,856	168,740	46	166,114	2,415	20,865	8,676
Wichita State U.	87	366,848	142,371	19,008	33,911	171,010	504	44
George Washington U.	88	360,260	162,892	1,890	141,746	5,655	30,534	17,543
Brown U.	89	353,591	239,744	32	63,031	6,120	34,721	9,943
Auburn U., Auburn	90	349,273	125,783	34,950	158,454	11,570	5,092	13,424
Medical C. Wisconsin	91	346,691	155,403	754	113,726	38,419	33,075	5,314
U. Tennessee, Knoxville	92	338,847	153,637	13,175	151,783	7,899	7,696	4,657
Oregon State U.	93	337,985	222,169	57,839	30,449	9,154	3,260	15,114
Georgetown U.	94	337,006	127,370	1,719	87,408	17,345	68,114	35,050
Albert Einstein C. of Medicine	95	336,238	230,151	2,032	81,552	5,637	16,866	0
Medical U. South Carolina	96	333,826	168,957	7,944	110,106	26,042	8,152	12,625
U. Notre Dame	97	331,943	147,985	712	115,906	14,640	25,449	27,251
U. Massachusetts, Medical School	98	326,731	223,490	2,975	50,479	21,942	20,295	7,550
SUNY, Stony Brook U.	99	324,531	192,448	15,436	92,936	10,779	10,329	2,603
Mississippi State U.	100	319,684	150,804	92,674	63,773	3,140	7,858	1,435
U. New Mexico	101	316,026	205,351	7,072	79,298	5,469	16,855	1,981

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U. Hawaii, Manoa	102	313,143	192,205	17,555	78,084	3,390	20,472	1,437
Wake Forest U.	103	308,972	204,713	7,673	26,886	33,508	23,868	12,324
Florida International U.	104	306,434	156,381	21,887	115,737	3,019	7,971	1,439
U. California, Santa Barbara	105	305,483	179,896	7,230	65,230	14,790	27,455	10,882
Temple U.	106	292,029	154,516	6,867	81,497	25,150	16,517	7,482
Northeastern U.	107	288,558	186,013	3,336	68,663	11,524	18,604	418
Woods Hole Oceanographic Institution	108	287,825	238,554	882	15,591	5,431	10,476	16,891
Clemson U.	109	286,503	129,955	29,268	100,954	21,139	5,110	77
SUNY, Polytechnic Institute	110	284,677	34,393	31,886	25,429	188,351	181	4,437
U. Texas Health Science Center, San Antonio	111	281,078	143,730	30,582	70,676	10,393	25,514	183
U. Massachusetts, Amherst	112	268,657	138,849	11,465	90,429	9,220	12,373	6,321
U. South Carolina, Columbia	113	262,207	124,330	13,916	110,716	3,629	7,960	1,656
Tulane U.	114	258,439	152,468	4,121	60,978	8,428	16,709	15,735
Thomas Jefferson U.	115	258,345	110,366	10,315	76,704	21,845	13,815	25,300
Rice U.	116	255,115	119,853	9,801	78,447	7,506	33,684	5,824
George Mason U.	117	252,239	125,437	4,311	66,769	8,346	40,831	6,545
Wayne State U.	118	250,911	128,521	6,525	81,136	5,339	25,618	3,772
Tufts U.	119	247,276	154,458	2,328	33,998	15,988	29,439	11,065
U. Central Florida	120	247,259	124,256	5,893	99,427	9,659	3,642	4,382
West Virginia U.	121	246,173	114,708	11,687	92,314	4,977	2,874	19,613
Texas Tech U.	122	240,107	58,922	28,095	122,202	15,461	14,994	433
Georgia State U.	123	237,493	91,331	4,392	125,011	3,269	12,131	1,359
U. Vermont	124	233,806	128,645	632	85,988	4,622	7,305	6,614
U. Texas Medical Branch	125	233,192	150,272	7,479	58,807	6,138	10,496	0
U. Houston	126	231,942	99,450	28,641	84,315	8,565	6,492	4,479
Montana State U., Bozeman	127	229,682	142,965	18,379	59,067	956	4,403	3,912
U. Dayton	128	228,723	216,729	1,274	861	8,193	1,022	644
Oklahoma State U., Stillwater	129	226,498	64,098	24,323	124,314	12,528	773	462
U. Louisiana, Lafayette	130	225,924	84,898	11,605	46,907	82,197	317	0
U. New Hampshire	131	223,683	152,377	1,031	52,786	8,471	7,984	1,034
U. Arkansas, Fayetteville	132	221,525	82,164	41,687	72,849	7,368	7,514	9,943
U. Louisville	133	220,568	100,890	8,924	73,255	9,580	6,261	21,658
U. Alaska, Fairbanks	134	218,041	156,702	7,674	42,733	5,505	2,814	2,613
Kansas State U.	135	217,992	82,610	43,122	73,427	7,647	9,860	1,326

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U. California, Riverside	136	214,802	120,524	10,655	55,114	7,288	10,826	10,395
U. Arkansas for Medical Sciences	137	209,409	94,483	13,854	84,563	5,274	6,102	5,133
U. California, Santa Cruz	138	203,883	112,847	6,863	51,368	7,591	18,454	6,760
North Dakota State U.	139	190,330	53,339	51,819	76,422	1,292	1,215	6,243
U. Maine	140	188,690	92,870	17,694	67,941	5,043	3,260	1,882
U. Nevada, Reno	141	188,505	83,603	7,744	83,470	2,666	1,926	9,096
U. Alabama, Tuscaloosa	142	184,880	86,244	16,660	77,554	1,973	1,753	696
Syracuse U.	143	183,850	46,595	10,706	108,685	9,170	8,570	124
U. North Dakota	144	182,195	65,890	46,885	50,685	17,438	955	342
U. Mississippi	145	172,176	85,186	10,670	68,074	3,311	4,583	352
Drexel U.	146	169,583	108,724	4,464	43,396	1,727	8,475	2,797
U. Oregon	147	164,500	100,265	1,674	19,590	443	6,634	35,894
U. Alabama, Huntsville	148	163,428	126,040	5,071	30,635	731	689	262
New Jersey Institute of Technology	149	161,078	70,080	19,994	64,230	1,385	1,616	3,773
U. Texas, San Antonio	150	158,453	58,171	21,583	67,694	5,971	1,988	3,046
San Diego State U.	151	158,013	68,045	6,745	77,130	469	3,666	1,958
U. Wyoming	152	150,124	68,467	7,464	67,771	2,848	1,934	1,640
U. Texas, Arlington	153	147,265	56,337	28,343	50,435	5,284	4,708	2,158
U. Texas, Dallas	154	146,779	66,127	13,085	38,169	12,518	16,383	497
U. Texas, El Paso	155	145,724	70,873	16,687	44,987	1,268	1,770	10,139
U. Maryland, Baltimore County	156	144,262	86,573	8,087	42,409	2,469	3,332	1,392
U. Rhode Island	157	144,013	102,056	6,615	29,165	2,094	3,441	642
SUNY, Binghamton U.	158	141,685	31,601	6,115	96,213	4,067	242	3,447
SUNY, U. Albany	159	141,671	62,935	1,019	69,881	927	4,707	2,202
Texas State U.	160	141,291	44,297	4,667	83,686	1,378	7,106	157
Augusta U.	161	139,121	64,410	214	62,558	4,396	6,836	707
Brigham Young U., Provo	162	137,748	31,216	1,145	99,661	2,980	2,649	97
U. Idaho	163	135,901	61,531	47,894	20,377	1,846	852	3,401
U. Montana, Missoula	164	133,958	75,490	1,511	53,689	220	2,498	550
Rush U.	165	132,394	93,180	2,208	12,316	16,533	8,157	0
U. Tennessee, Health Science Center	166	130,472	70,676	6,816	34,783	4,183	6,814	7,200
New Mexico State U.	167	126,337	71,764	24,741	18,791	1,873	3,039	6,129
Rensselaer Polytechnic Institute	168	121,706	56,445	3,289	45,192	10,959	3,123	2,698
New Mexico Institute of Mining and Technology	169	118,735	100,873	10,189	3,375	3,346	324	628

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Cold Spring Harbor Laboratory	170	117,483	54,123	209	38,367	3,914	20,870	0
U. Massachusetts, Lowell	171	117,336	61,413	4,420	39,726	7,554	2,527	1,696
U. North Texas, Denton	172	106,665	30,017	5,695	63,577	1,907	2,170	3,299
Colorado School of Mines	173	104,297	68,795	1,804	14,035	11,399	3,388	4,876
Michigan Technological U.	174	103,819	52,102	1,236	40,859	6,632	968	2,022
Brandeis U.	175	103,653	46,654	406	41,318	661	10,730	3,884
Touro U., New York	176	100,547	40,008	0	7,152	53,387	0	0
U. Memphis	177	100,042	26,913	9,680	58,132	1,839	3,273	205
U. Nevada, Las Vegas	178	98,751	38,815	2,536	51,945	1,599	1,096	2,760
U. North Texas, Health Science Center	179	94,652	77,660	3,180	11,773	847	1,003	189
U. North Carolina, Charlotte	180	92,027	33,784	1,922	52,624	3,136	553	8
Cleveland State U.	181	87,941	56,550	2,913	19,420	3,494	5,423	141
Indiana U.-Purdue U., Indianapolis	182	87,648	39,869	3,029	34,236	3,434	6,776	304
Saint Louis U.	183	85,921	44,157	646	21,971	5,412	13,484	251
Howard U.	184	84,756	47,662	2,840	22,461	4,552	5,140	2,101
San Jose State U.	185	83,406	31,780	7,116	38,582	2,101	2,478	1,349
U. Texas Rio Grande Valley	186	82,444	25,068	4,367	37,248	569	15,016	176
Baylor U.	187	82,074	17,147	2,879	45,076	3,460	12,667	845
William & Mary	188	81,815	32,631	3,882	35,413	1,174	5,385	3,330
Boston C.	189	81,425	39,356	2,517	18,254	974	19,273	1,051
Van Andel Research Institute	190	80,748	30,934	2,597	36,082	155	4,149	6,831
Florida Atlantic U.	191	77,593	35,108	8,511	23,101	2,611	7,308	954
Northern Arizona U.	192	77,533	50,491	9,030	15,566	1,023	1,250	173
Naval Postgraduate School	193	77,364	62,715	0	13,261	654	67	667
American U.	194	76,041	17,462	2,193	44,220	603	9,510	2,053
U. Southern Mississippi	195	75,034	48,374	13,504	12,285	372	499	0
Rochester Institute of Technology	196	72,405	37,334	9,828	19,161	3,084	2,178	820
South Dakota State U.	197	71,340	28,897	17,795	6,156	1,432	3,251	13,809
Old Dominion U.	198	71,334	31,104	13,535	23,954	387	1,915	439
U. Massachusetts, Boston	199	70,978	27,098	7,176	27,225	2,400	6,733	346
Louisiana State U., Health Sciences Center, New Orleans	200	68,707	35,933	447	24,332	3,478	4,235	282
U. Toledo	201	67,656	37,872	1,615	22,250	2,292	3,230	397
East Carolina U.	202	67,082	30,851	371	28,495	4,648	2,267	450
Worcester Polytechnic Institute	203	66,353	37,736	2,141	20,202	4,072	1,380	822

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2023

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Florida A&M U.	204	65,159	54,363	2,851	6,503	586	856	0
U. California, Office of the President	205	63,629	25	41,345	22,143	0	0	116
CUNY, City C.	206	63,159	38,669	11,846	10,996	223	1,047	378
North Carolina A&T State U.	207	62,307	37,152	2,075	21,880	628	292	280
U. California, Merced	208	62,279	28,576	6,985	20,709	1,294	2,464	2,251
Missouri U. of Science and Technology	209	61,496	32,457	682	17,847	3,907	1,037	5,566
U. Puerto Rico, Medical Sciences Campus	210	61,235	46,789	406	10,781	3,259	0	0
U. Wisconsin-Milwaukee	211	60,712	25,612	17,207	13,084	1,431	1,450	1,928
Stevens Institute of Technology	212	60,685	44,036	2,069	9,833	3,397	929	421
Ohio U.	213	59,877	21,919	1,041	31,828	3,767	1,011	311
Southern Methodist U.	214	59,749	19,986	1,393	33,204	1,601	3,399	166
Kent State U.	215	58,984	17,959	1,021	37,300	753	1,872	79
Southern Illinois U., Carbondale	216	58,291	17,209	3,522	29,972	6,916	672	0
Morehouse School of Medicine	217	57,125	41,069	987	10,710	0	4,359	0
Air Force Institute of Technology	218	56,848	45,087	0	11,659	102	0	0
Lehigh U.	219	56,301	39,909	2,479	11,921	893	1,081	18
U. Missouri, Kansas City	220	54,565	28,115	336	20,030	582	934	4,568
CUNY, Graduate Center	221	54,089	2,792	428	45,484	127	4,450	808
U. Denver	222	53,484	33,148	4,909	5,028	1,978	7,038	1,383
U. Maryland Center for Environmental Science	223	53,233	15,378	26,509	9,309	198	1,563	276
SUNY, Upstate Medical U.	224	53,219	30,069	2,231	11,303	6,335	2,054	1,227
U. South Alabama	225	53,182	28,637	683	19,291	1,300	2,422	849
Boise State U.	226	52,989	35,801	3,473	12,190	426	704	395
Loyola U., Chicago	227	52,445	29,712	242	12,892	4,302	4,062	1,235
Nova Southeastern U.	228	50,173	11,637	3,862	32,874	543	762	495
Texas Tech U., Health Sciences Center	229	48,638	14,732	18,670	9,432	608	3,205	1,991
Marquette U.	230	47,819	20,055	246	18,010	879	2,385	6,244
Rowan U.	231	47,810	18,454	6,659	20,501	1,230	966	0
Catholic U. of America	232	47,022	35,502	1,147	7,957	264	2,124	28
Portland State U.	233	46,324	31,731	5,312	5,753	708	2,244	576
Mercer U.	234	45,247	29,944	58	8,973	3,247	187	2,838
Western Michigan U. and Homer Stryker M.D. School of Medicine	235	45,157	12,631	1,216	25,832	3,280	603	1,595
U.S. Air Force Academy	236	44,880	44,056	0	0	357	0	467
U. North Carolina, Greensboro	237	44,521	31,581	363	10,750	450	1,055	322

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2023

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Morgan State U.	238	43,868	30,451	5,582	5,635	721	644	835
East Tennessee State U.	239	42,335	10,776	2,889	24,910	130	3,601	29
U. Massachusetts, Dartmouth	240	42,018	13,742	2,933	21,993	1,808	1,267	275
Chapman U.	241	41,791	10,015	303	23,533	383	7,481	76
U. West Florida	242	40,454	17,954	542	20,955	601	402	0
Georgia Southern U.	243	40,026	3,562	521	30,268	5,367	270	38
Texas A&M U.-Corpus Christi	244	39,305	17,742	10,790	5,118	230	2,783	2,642
Montclair State U.	245	38,209	5,916	707	29,934	26	1,621	5
Oakland U.	246	37,263	9,600	3,066	15,987	4,953	1,636	2,021
CUNY, Hunter C.	247	37,172	22,124	3,037	9,506	739	1,293	473
California Polytechnic State U., San Luis Obispo	248	35,830	14,810	4,997	12,550	1,205	2,182	86
Louisiana State U., Health Sciences Center, Shreveport	249	35,624	18,742	158	8,014	3,715	4,995	0
SUNY, Downstate Health Sciences U.	250	35,600	28,543	0	3,431	313	3,005	308
San Francisco State U.	251	34,466	16,507	1,978	14,434	0	1,536	11
Teachers C., Columbia U.	252	34,183	11,871	3,953	NA	1,428	14,239	2,692
Marshall U.	253	33,693	19,797	1,606	10,608	510	1,172	0
Delaware State U.	254	33,499	24,167	4,093	3,975	48	1,181	35
Illinois Institute of Technology	255	33,021	28,027	154	2,045	1,292	858	645
Illinois State U.	256	32,961	13,612	2,429	16,099	152	664	5
SUNY, C. of Environmental Science and Forestry	257	32,682	9,231	14,316	6,234	515	1,073	1,313
Kennesaw State U.	258	32,497	5,908	563	24,976	157	893	0
U. Texas Health Science Center, Tyler	259	32,077	12,555	10,087	3,795	172	5,468	0
Louisiana Tech U.	260	31,676	8,118	2,220	19,098	722	0	1,518
Villanova U.	261	31,513	8,741	1,405	17,513	622	3,165	67
U. Nebraska, Omaha	262	30,841	22,096	3,184	4,886	61	512	102
Desert Research Institute	263	30,716	20,061	1,657	4,378	802	2,890	928
U. South Dakota	264	29,855	14,101	1,798	13,128	44	782	2
Rutgers, State U. New Jersey, Newark	265	29,787	16,315	1,073	9,143	195	2,880	181
U. Puerto Rico, Rio Piedras	266	29,202	16,053	81	12,414	252	375	27
Northern Illinois U.	267	29,134	10,849	1,299	15,720	705	469	92
Creighton U.	268	28,443	12,681	3,943	9,597	1,033	467	722
Miami U.	269	28,430	10,724	2,483	12,745	1,350	1,066	62
Tennessee State U.	270	28,246	15,983	1,177	10,740	155	187	4
California State U., Sacramento	271	28,027	11,284	10,056	5,821	26	556	284

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2023

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Embry-Riddle Aeronautical U.	272	27,451	23,733	205	862	1,041	161	1,449
CUNY, Graduate School of Public Health and Health Policy	273	26,651	13,413	9,353	1,330	1,057	1,451	47
Texas A&M U.-Kingsville	274	26,401	9,584	7,058	3,311	487	5,932	29
Wright State U.	275	26,189	19,081	1,158	4,837	513	360	240
California State U., Fullerton	276	25,811	6,049	205	18,925	204	428	0
Tuskegee U.	277	25,625	16,023	3,565	2,539	0	0	3,498
U. Minnesota, Duluth	278	25,534	7,533	6,410	11,092	381	63	55
CUNY, Queens C.	279	25,492	17,811	1,345	5,536	8	710	82
Clarkson U.	280	25,399	10,611	3,910	9,214	1,093	406	165
Central Michigan U.	281	25,363	9,591	0	13,833	408	852	679
Florida Gulf Coast U.	282	24,899	9,858	9,477	3,533	108	1,891	32
U. Tulsa	283	24,845	8,545	306	8,079	6,766	1,149	0
Texas Christian U.	284	24,050	7,627	658	12,066	2,491	1,069	139
Eastern Virginia Medical School	285	23,991	17,947	329	3,650	1,277	612	176
Fordham U.	286	23,832	4,687	0	16,377	3	1,957	808
Tarleton State U.	287	23,345	5,478	4,392	12,689	286	500	0
U. North Florida	288	23,269	8,113	1,436	12,378	825	293	224
Albany Medical C.	289	23,259	14,193	120	3,464	3,956	1,360	166
California State U., Northridge	290	23,093	19,169	1,152	1,278	113	1,381	0
CUNY, John Jay C. of Criminal Justice	291	22,967	7,452	6,104	5,096	111	3,124	1,080
New School	292	22,680	1,337	708	3,483	56	16,080	1,016
U. Colorado Denver	293	22,530	17,181	2,387	513	846	1,258	345
U. Guam	294	22,388	18,992	2,252	1,083	59	2	0
Loma Linda U.	295	22,262	12,485	745	4,913	1,469	2,634	16
Meharry Medical C.	296	22,002	18,398	0	603	64	2,937	0
Southern Illinois U., Edwardsville	297	21,927	3,621	1,684	15,854	752	14	2
U. North Carolina, Wilmington	298	21,879	8,116	8,296	3,028	1,640	656	143
Prairie View A&M U.	299	21,791	12,354	4,391	3,550	490	1,006	0
U. Akron	300	21,525	10,709	190	7,434	1,836	746	610
California State U., Long Beach	301	21,458	13,758	1,930	3,618	149	1,468	535
California State U., East Bay	302	21,312	8,508	433	9,969	0	2,381	21
James Madison U.	303	21,265	3,475	925	16,041	18	780	26
Tennessee Technological U.	304	20,797	9,975	5,675	4,623	120	116	288
Bowling Green State U.	305	20,726	8,208	2,160	9,214	233	911	0

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2023

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
U.S. Military Academy	306	20,493	19,390	0	66	269	700	68
U. New Orleans	307	20,396	5,283	897	12,325	491	267	1,133
South Dakota School of Mines and Technology	308	20,337	14,640	2,673	2,381	286	35	322
U. of the Virgin Islands	309	20,259	19,127	1,010	NA	48	74	0
U. Alaska, Anchorage	310	19,850	12,646	2,175	3,798	283	537	411
Charles R. Drew U. of Medicine and Science	311	19,551	13,297	886	3,758	0	1,610	0
Jackson State U.	312	19,457	16,443	0	1,601	4	1,375	34
Alcorn State U.	313	19,141	10,996	5,206	2,894	24	21	0
California State Polytechnic U., Humboldt	314	18,800	3,280	3,338	5,724	437	3,094	2,927
North Carolina Central U.	315	18,477	15,188	1,085	NA	494	883	827
Montana Technological U.	316	18,375	9,585	5,503	3,057	230	0	0
Idaho State U.	317	17,548	9,230	3,042	4,362	605	196	113
CUNY, Advanced Science Research Center	318	17,309	11,916	761	2,201	451	1,574	406
Towson U.	319	17,198	3,653	369	12,449	79	622	26
New York Medical C.	320	17,113	8,226	1,326	1,064	3,319	2,169	1,009
Florida Institute of Technology	321	16,859	11,520	768	4,253	142	176	0
Long Island U.	322	16,612	1,993	0	13,844	90	569	116
Texas Southern U.	323	16,287	10,969	1,227	4,042	0	49	0
Western Washington U.	324	15,874	6,598	1,504	5,107	66	2,520	79
Alabama A&M U.	325	15,588	12,197	162	2,848	381	0	0
Fort Valley State U.	326	15,536	7,505	8,031	0	0	0	0
Xavier U. Louisiana	327	15,519	12,833	722	1,161	0	803	0
Duquesne U.	328	14,989	6,555	1,055	4,349	275	2,755	0
U. Tennessee, Chattanooga	329	14,671	6,003	893	6,585	252	381	557
Missouri State U.	330	14,654	12,973	84	1,387	20	172	18
Salisbury U.	331	14,557	5,049	5,551	3,904	0	53	0
U. Hawaii, system office	332	14,172	14,150	0	22	0	0	0
Loyola Marymount U.	333	14,086	2,921	1,096	7,708	84	2,277	0
U. Puerto Rico, Mayaguez	334	13,989	12,260	193	421	455	660	0
Virginia State U.	335	13,504	7,166	3,051	2,566	0	713	8
DePaul U.	336	13,267	5,592	807	3,512	372	2,911	73
Texas Tech U., Health Sciences Center, El Paso	337	13,189	2,415	3,097	6,947	229	501	0
California State U., San Bernardino	338	13,152	7,606	2,799	2,051	1	695	0
Northeast Ohio Medical U.	339	13,116	8,873	202	3,440	0	601	0

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2023

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
U. San Diego	340	12,902	3,501	684	7,498	69	542	608
U. Missouri, Saint Louis	341	12,808	4,569	82	5,245	105	2,190	617
Midwestern U.	342	12,725	2,862	92	9,430	76	265	0
Oklahoma State U., Center for Health Sciences	343	12,500	4,773	40	7,600	11	76	0
Sam Houston State U.	344	11,760	3,307	579	6,787	235	315	537
Ball State U.	345	11,650	6,355	396	3,956	637	306	0
Rosalind Franklin U. of Medicine and Science	346	11,629	7,124	62	3,270	565	608	0
Kentucky State U.	347	11,591	7,605	3,969	NA	17	0	0
Clark U.	348	11,539	2,235	231	5,610	81	1,804	1,578
California State U., San Marcos	349	11,443	9,845	1,171	326	0	101	0
California State U., Fresno	350	11,411	4,864	1,394	3,770	238	1,120	25
Central State U.	351	11,123	5,523	3,857	1,743	0	0	0
U.S. Naval Academy	352	10,920	10,260	0	0	0	221	439
U. Michigan, Dearborn	353	10,839	3,464	0	4,361	2,601	331	82
Wesleyan U.	354	10,828	5,955	0	3,515	221	688	449
U. Maryland, Eastern Shore	355	10,730	10,201	237	266	0	24	2
California State Polytechnic U., Pomona	356	10,722	8,162	881	1,438	171	70	0
Pacific U.	357	10,719	7,133	1,098	2,053	70	365	0
California State U., Monterey Bay	358	10,678	5,639	2,125	2,706	64	144	0
Pepperdine U.	359	10,632	674	1	7,179	0	2,771	7
Langston U.	360	10,505	5,473	19	4,583	430	0	0
Clark Atlanta U.	361	10,320	7,687	0	2,523	79	31	0
West Texas A&M U.	362	10,302	2,118	4,772	2,243	1,135	34	0
California State U., Los Angeles	363	10,186	8,973	108	788	0	317	0
Kean U.	364	10,062	1,870	134	7,954	15	89	0
Gallaudet U.	365	9,894	5,523	25	3,462	0	526	358
Hampton U.	366	9,769	9,445	0	324	0	0	0
U. San Francisco	367	9,633	1,015	532	6,848	0	279	959
Middle Tennessee State U.	368	9,577	3,822	488	4,173	143	943	8
Rutgers, State U. New Jersey, Camden	369	9,527	3,042	1,842	3,214	544	860	25
Western Kentucky U.	370	9,298	3,401	790	4,906	78	123	0
Lamar U.	371	9,168	2,259	6,124	277	342	166	0
U. Northern Colorado	372	9,064	1,705	202	6,848	69	240	0
Bryn Mawr C.	373	9,039	1,289	0	7,105	16	629	0

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2023

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Western U. of Health Sciences	374	8,929	6,099	1,635	238	457	500	0
U. Arkansas, Little Rock	375	8,685	7,544	218	69	513	134	207
Saint Joseph's U.	376	8,675	2,680	1,129	1,657	2,517	434	258
Winston-Salem State U.	377	8,668	7,901	374	0	0	336	57
Yeshiva U.	378	8,661	1,229	0	6,104	0	1,008	320
CUNY, Brooklyn C.	379	8,535	5,518	838	1,998	44	119	18
Appalachian State U.	380	8,479	3,497	134	3,123	702	1,006	17
Eastern Michigan U.	381	8,363	2,521	72	5,463	0	297	10
Lincoln U., Jefferson City	382	8,196	4,610	3,552	34	0	0	0
Abilene Christian U.	383	8,182	946	0	194	6,934	108	0
Hofstra U.	384	8,162	1,995	237	5,786	0	144	0
Amherst C.	385	8,152	2,869	0	3,104	0	235	1,944
U. Hawaii, Hilo	386	8,112	6,068	22	809	59	940	214
Southern Connecticut State U.	387	8,007	1,433	136	5,810	68	239	321
U. of the District of Columbia	388	7,945	7,367	384	48	0	131	15
U. Central Oklahoma	389	7,870 i	2,071 i	833 i	4,867 i	95 i	3 i	1 i
South Carolina State U.	390	7,814	5,330	1,531	890	0	63	0
U. Arkansas, Pine Bluff	391	7,766	4,204	1,294	2,219	41	8	0
Southern U. and A&M C., Agricultural Research and Extension Center	392	7,764	4,688	3,037	24	0	15	0
Pennsylvania State U., Behrend	393	7,614	4,378	388	1,823	708	308	9
Edward Via C. of Osteopathic Medicine	394	7,597	678	136	6,699	0	84	0
Grinnell C.	394	7,597	1,082	0	5,816	0	239	460
Purdue U., Northwest	396	7,504	3,409	996	1,604	597	236	662
Philadelphia C. of Osteopathic Medicine	397	7,459	442	59	2,848	2,547	1,563	0
MGH Institute of Health Professions	398	7,426	6,200	0	20	0	1,206	0
Arkansas State U., Jonesboro	399	7,323	3,083	3,419	561	260	0	0
Claremont Graduate U.	400	7,262	1,422	354	984	2,709	1,228	565
C. Charleston	401	7,231	5,036	274	1,285	64	571	1
Seton Hall U.	402	7,068	2,778	2,633	1,195	104	211	147
Texas A&M U.-Commerce	403	7,029	1,936	809	3,726	3	494	61
U. Colorado Colorado Springs	404	7,012	5,205	29	1,042	523	207	6
Claremont McKenna C.	405	6,925	1,035	62	5,293	0	485	50
Texas Woman's U.	406	6,922	2,439	2,136	1,396	166	785	0
Hope C.	407	6,910	3,639	0	1,678	0	1,308	285

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2023

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
U. North Carolina, Asheville	408	6,761	3,323	547	615	126	2,148	2
U. New England	409	6,756	4,777	2	1,548	29	395	5
Reed C.	410	6,750 i	2,420 i	44 i	3,745 i	0 i	391 i	150 i
U. Baltimore	411	6,615	4,250	1,819	NA	20	422	104
Williams C.	412	6,448 i	1,455 i	0 i	2,164 i	0 i	178 i	2,651 i
California State U., Bakersfield	413	6,409	3,525	154	2,580	0	150	0
Barnard C.	414	6,320	4,235	0	1,006	8	1,071	0
Wellesley C.	414	6,320	2,921	449	NA	80	2,628	242
U. Washington, Tacoma	416	6,243	3,875	1,393	278	1	520	176
Grand Valley State U.	417	6,231	1,808	450	2,906	0	584	483
Norfolk State U.	418	6,194	4,381	574	677	182	380	0
Northwest Indian C.	419	6,184 i	4,595 i	0 i	1,589 i	0 i	0 i	0 i
West Chester U. Pennsylvania	420	6,132	1,386	54	4,176	124	392	0
Azusa Pacific U.	421	6,097	140	40	5,545	35	273	64
Roseman U. of Health Sciences	422	6,065	38	0	5,953	67	7	0
Indiana U. Pennsylvania	423	6,052	1,702	532	3,293	17	508	0
U.S. Army War C.	424	6,035 i	6,035 i	0 i	0 i	0 i	0 i	0 i
California State U., Chico	425	5,984	3,152	1,130	636	18	97	951
Smith C.	426	5,954	3,013	0	2,179	253	509	0
High Tech High Graduate School of Ed.	427	5,939	0	0	0	0	5,939	0
U. Southern Maine	428	5,930	2,598	3,070	185	0	72	5
CUNY, Lehman C.	429	5,918	4,487	0	782	365	181	103
Bucknell U.	430	5,887	2,359	61	2,031	299	235	902
U. Oklahoma, Tulsa	431	5,826	1,328	330	2,963	124	1,054	27
Naval War C.	432	5,819	5,819	0	0	0	0	0
New York Institute of Technology	433	5,790	3,252	125	2,146	60	207	0
Morehouse C.	434	5,750	5,750	0	NA	0	0	0
U. Washington, Bothell	435	5,738	3,787	617	486	1	667	180
Santa Clara U.	436	5,679	3,448	372	NA	364	1,424	71
Swarthmore C.	437	5,620	2,315	6	2,578	0	697	24
Texas A&M International U.	438	5,602	1,966	1,011	1,542	170	913	0
Oregon Institute of Technology	439	5,585 i	1,375	3,931 i	NA	97 i	182 i	0
California State U., Dominguez Hills	440	5,558	2,457	870	1,996	41	52	142
Providence C.	441	5,533	4,648	0	582	0	303	0

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2023

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Memorial Sloan Kettering Cancer Center, Louis V. Gerstner Jr. Graduate S. of Biomedical Sciences	442	5,324	273	0	5,021	0	30	0
Trinity U.	443	5,296	2,203	2	1,238	0	1,834	19
Dakota State U.	444	5,253	2,437	231	660	692	25	1,208
West Virginia State U.	445	5,226	2,800	1,804	521	0	101	0
Southern U. and A&M C., Baton Rouge	446	5,201	4,444	75	34	648	0	0
Suffolk U.	447	5,164	893	737	3,303	0	231	0
Pennsylvania State U., Harrisburg	448	5,159	3,045	887	742	178	303	4
U. Detroit Mercy	449	5,142	4,434	0	529	140	39	0
Colgate U.	450	4,930	1,521	0	3,041	305	63	0
Sul Ross State U.	451	4,878	1,568	1,223	1,804	0	283	0
U. Central del Caribe	451	4,878	2,929	524	1,270	0	0	155
Spelman C.	453	4,877	4,567	0	0	0	310	0
Fisk U.	454	4,867	3,819	240	304	0	504	0
U. Wisconsin-Superior	455	4,825	3,559	81	1,062	87	36	0
Sacred Heart U.	456	4,733	639	0	3,892	0	202	0
CUNY, C. Staten Island	457	4,730	3,296	224	975	41	109	85
Coastal Carolina U.	458	4,729	1,847	1,004	1,694	0	184	0
Occidental C.	459	4,718 i	2,967 i	559 i	NA	554 i	638 i	0 i
Toyota Technological Institute, Chicago	460	4,636	2,127	0	1,633	321	463	92
Lawrence Technological U.	461	4,632	1,786	937	784	183	942	0
Sonoma State U.	462	4,625	3,483	585	321	46	190	0
U. Wisconsin-Stevens Point	463	4,589	2,079	948	997	0	302	263
U. Northern Iowa	464	4,564	2,975	541	911	0	137	0
Colby C.	465	4,454	3,011	0	580	0	356	507
SUNY, C. of Optometry	466	4,423	2,469	0	594	1,328	10	22
U. of Health Sciences and Pharmacy in St. Louis	467	4,343	3,110	0	1,060	84	89	0
CUNY, system office	468	4,296	2,901	413	730	18	234	0
Carleton C.	469	4,185	2,800	0	483	0	902	0
Alfred U.	470	4,154	1,958	1,596	242	330	28	0
Pomona C.	471	4,149	1,205	0	2,659	0	285	0
Franklin and Marshall C.	472	4,111	1,469	241	1,273	371	543	214
Trinity C., Hartford	473	4,099	687	0	3,330	7	75	0
Haverford C.	474	4,088	2,344	0	955	0	270	519
CUNY, Baruch C.	475	4,084	1,879	77	988	91	785	264

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2023

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Keck Graduate Institute	476	4,059	2,338	4	388	634	354	341
Pace U.	477	4,056	2,698	20	1,101	0	237	0
California State U., Channel Islands	478	3,992	1,773	1,086	737	219	177	0
St. John's U., New York	479	3,955	2,792	0	450	341	232	140
Austin Peay State U.	480	3,950	1,401	1,385	530	0	100	534
Seattle U.	481	3,949	1,165	78	2,223	55	428	0
Des Moines U.	482	3,932	556	7	3,225	0	144	0
Western Illinois U.	483	3,824	3,283	144	42	243	0	112
Northern Kentucky U.	484	3,790	2,413	77	1,113	6	181	0
Troy U.	485	3,785	3,069	81	398	1	203	33
Citadel Military C. South Carolina	486	3,757	3,287	159	258	0	0	53
Chicago State U.	487	3,756	3,756	0	0	0	0	0
Central Washington U.	488	3,683	2,499	650	282	85	132	35
Harvey Mudd C.	489	3,682	1,968	0	1,389	0	161	164
U. Nebraska, Kearney	490	3,681	1,739	590	1,307	25	0	20
Stephen F. Austin State U.	491	3,661	1,098	1,648	541	32	225	117
U. New Haven	492	3,602	2,227	629	204	24	487	31
Fayetteville State U.	493	3,569 i	1,847 i	536 i	1,005 i	130 i	51 i	0 i
Christopher Newport U.	494	3,507	2,055	0	1,218	94	140	0
U. Texas, Tyler	495	3,487	1,652	960	432	227	187	29
New Mexico Highlands U.	496	3,468	3,416	0	43	0	0	9
Roger Williams U.	497	3,465	1,973	102	912	72	406	0
Fort Lewis C.	498	3,372	2,816	23	143	6	384	0
Bowdoin C.	499	3,339	2,186	71	901	0	102	79
Milwaukee School of Engineering	500	3,317	722	0	71	2,509	15	0
Hamilton C.	501	3,285	413	0	1,813	0	819	240
Youngstown State U.	502	3,244	2,691	244	207	47	55	0
Alabama State U.	503	3,229	2,848	0	0	296	85	0
Murray State U.	504	3,193	2,058	29	993	79	34	0
Winthrop U.	505	3,189	2,358	54	707	7	63	0
Saginaw Valley State U.	506	3,143 i	2,503 i	0 i	476 i	6 i	138 i	20 i
U. Central Arkansas	507	3,092	1,824	583	615	40	11	19
U. Richmond	508	3,058	1,379	0	1,218	0	436	25
Minnesota State U., Mankato	509	3,055	905	196	1,537	0	45	372

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2023

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Dine C.	510	3,054	2,255	262	223	0	314	0
Marian U., Indianapolis	511	3,009	918	0	1,709	18	172	192
Pittsburg State U.	512	2,979	1,591	633	NA	755	0	0
Middlebury C.	513	2,975	2,564	10	25	0	376	0
East Stroudsburg U. Pennsylvania	514	2,928	909	1,421	546	0	52	0
Davidson C.	515	2,926	1,340	11	915	12	492	156
U. Wisconsin-La Crosse	516	2,921	714	804	639	709	44	11
Hawaii Pacific U.	517	2,913	1,942	0	179	438	344	10
St. Cloud State U.	518	2,901	689	305	719	835	145	208
Touro U., California	519	2,877	1,279	0	1,405	79	0	114
Southeastern Louisiana U.	520	2,858	1,366	237	758	472	25	0
CUNY, New York City C. of Technology	521	2,819	2,498	30	241	10	16	24
Purdue U., Fort Wayne	522	2,804	226	455	1,087	172	291	573
U. Wisconsin-Green Bay	523	2,801	1,222	556	868	52	103	0
U. Wisconsin-River Falls	524	2,772	551	1,832	39	213	0	137
U. Texas of the Permian Basin	525	2,769	1,013	525	832	190	7	202
Lewis and Clark C.	526	2,686	776	1	1,590	0	319	0
Tougaloo C.	527	2,663 i	2,643 i	4 i	4 i	4 i	4 i	4 i
Morehead State U.	528	2,658	1,718	381	11	530	18	0
C. New Jersey	529	2,641	1,755	72	482	0	332	0
SUNY, Buffalo State U.	530	2,636	1,615	765	222	0	17	17
Bowie State U.	531	2,612	2,469	143	0	0	0	0
Marymount U.	532	2,601	396	29	1,983	0	193	0
Vassar C.	533	2,596	1,204	20	872	0	490	10
Albany C. of Pharmacy and Health Sciences	534	2,594 i	1,256 i	0 i	882 i	287 i	169 i	0 i
SUNY, Cobleskill	535	2,566	730	1,832	0	4	0	0
Calvin U.	536	2,555	854	68	330	0	1,060	243
Eastern Washington U.	537	2,546	1,015	1,198	NA	8	221	104
Lake Superior State U.	538	2,545	1,475	166	720	66	37	81
Elon U.	539	2,544	479	0	1,989	0	20	56
Western Carolina U.	540	2,543	1,600	337	378	171	57	0
Mount Holyoke C.	541	2,533	1,612	125	504	0	292	0
Monmouth U.	542	2,517	762	657	280	168	612	38
U. Illinois, Springfield	543	2,508	1,057	426	818	0	207	0

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2023

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Colorado C.	544	2,498	611	0	1,000	0	887	0
La Sierra U.	545	2,496	1,066	0	734	0	696	0
National Defense U.	546	2,494	2,494	0	0	0	0	0
New England C. of Optometry	547	2,491	1,946	56	30	390	69	0
Franklin W. Olin C. of Engineering	548	2,450	641	0	639	230	837	103
Erikson Institute	549	2,414	1,245	0	178	0	991	0
Wheaton C., Wheaton	550	2,403	428	0	966	5	1,004	0
Stockton U.	551	2,386	688	711	815	36	74	62
Skidmore C.	552	2,384	1,288	0	510	0	586	0
Hobart and William Smith Colleges	553	2,373	1,019	526	572	0	136	120
Virginia Military Institute	554	2,350	1,534	296	510	0	10	0
Benedict C.	555	2,307	1,665	0	0	635	7	0
California State U., Stanislaus	556	2,305	1,150	513	168	468	6	0
Dillard U.	557	2,296	1,228	117	951	0	0	0
U. of St. Thomas (MN)	558	2,280	531	499	578	255	277	140
Furman U.	559	2,267	1,300	32	482	128	308	17
Northeastern Illinois U.	560	2,262	2,262	0	0	0	0	0
Black Hills State U.	561	2,260	1,918	82	258	0	2	0
Florida Polytechnic U.	561	2,260	1,172	141	723	183	41	0
U. South Carolina, Aiken	563	2,250	782	0	1,453	0	15	0
U. of the Incarnate Word	564	2,245	1,086	0	1,050	54	55	0
C. Wooster	565	2,209	594	0	775	0	840	0
U. Louisiana, Monroe	566	2,203	1,655	371	3	30	144	0
U. Wisconsin-Eau Claire	567	2,191	1,027	509	389	248	10	8
U. Ana G. Mendez, Gurabo	568	2,132	2,132	0	0	0	0	0
U. Houston-Clear Lake	569	2,127	1,273	251	48	533	22	0
Bates C.	570	2,118	1,455	0	349	0	272	42
U. Wisconsin-Oshkosh	571	2,087	1,249	136	545	157	0	0
U. Puerto Rico, Humacao	572	2,074	1,822	0	252	0	0	0
Northwestern State U. Louisiana	573	2,057	822	936	299	0	0	0
Utah Valley U.	574	2,015	1,671	279	36	14	15	0
Lafayette C.	575	1,991	1,141	23	687	5	135	0
U. of the Pacific	576	1,972	1,300	586	NA	9	77	0
U. Houston-Downtown	577	1,967	1,495	183	140	68	81	0

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2023

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
SUNY, Geneseo	578	1,958	1,292	9	491	0	52	114
Babson C.	579	1,957	224	0	758	78	131	766
Lipscomb U.	580	1,946	309	0	1,571	8	58	0
Macalester C.	581	1,935	1,094	58	508	0	275	0
Albany State U.	582	1,932	1,681	106	0	145	0	0
Ferris State U.	583	1,915	1,430	88	271	53	73	0
Liberty U.	584	1,900	532	5	1,315	48	0	0
Union C., Schenectady	585	1,881	729	0	1,048	17	34	53
SUNY, C. Brockport	586	1,877	813	155	610	0	290	9
Northern Michigan U.	587	1,871	560	25	1,079	1	80	126
Alaska Pacific U.	588	1,823	627	0	0	1,173	0	23
U. Alaska, Southeast	589	1,822	1,463	117	100	0	105	37
Marshall B. Ketchum U.	590	1,777 i	433 i	0 i	890 i	454 i	0 i	0 i
Nevada State C.	591	1,744	1,711	33	0	0	0	0
Palmer C. of Chiropractic, Davenport	592	1,725	1,500	0	225	0	0	0
Drake U.	593	1,724	954	368	340	34	26	2
St. Olaf C.	593	1,724	933	0	686	0	105	0
SUNY, C. Plattsburgh	595	1,722	1,121	0	530	0	69	2
CUNY, York C.	596	1,711	1,504	0	159	0	48	0
Savannah State U.	597	1,706	1,675	18	0	0	13	0
U. North Georgia	598	1,643	477	131	871	7	157	0
Elizabeth City State U.	599	1,641	1,093	403	NA	145	0	0
Lincoln Memorial U.	599	1,641	2	0	1,589	4	46	0
Norwich U.	601	1,637	1,366	5	261	0	5	0
Colorado State U., Pueblo	602	1,624	952	199	347	0	0	126
U. Puget Sound	603	1,613	1,300	0	138	0	175	0
Johnson C. Smith U.	604	1,602	1,554	0	48	0	0	0
SUNY, Oswego	605	1,595	894	49	595	1	32	24
Indiana U., South Bend	606	1,593	420	3	875	0	295	0
Texas A&M U.-San Antonio	606	1,593	1,233	51	51	4	224	30
Bentley U.	608	1,589	802	0	0	18	751	18
Whitman C.	609	1,568	449	0	676	0	443	0
Merrimack C.	610	1,560	892	0	336	0	247	85
Pratt Institute	611	1,558	50	878	0	0	630	0

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2023

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Willamette U.	612	1,542	490	0	961	0	91	0
U. Hartford	613	1,533	1,269	8	203	3	50	0
U. Puerto Rico, Cayey	614	1,519	733	0	412	0	374	0
Hartford International U. for Religion and Peace	615	1,485	0	0	0	0	1,485	0
Fairfield U.	616	1,484	180	0	751	0	553	0
U. Wisconsin-Platteville	617	1,481 i	465 i	378 i	249 i	339 i	39 i	11 i
Saint John's U.	618	1,479 i	0 i	0 i	1,479 i	0 i	0 i	0 i
U. South Carolina, Beaufort	619	1,466	889	43	417	0	117	0
Biola U.	620	1,461	0	0	9	0	1,298	154
West Virginia School of Osteopathic Medicine	621	1,459 i	500 i	12 i	947 i	0 i	0 i	0 i
Eastern Connecticut State U.	622	1,449	210	0	1,239	0	0	0
Eastern Kentucky U.	623	1,446	798	124	468	56	0	0
Northland C.	624	1,442 i	880 i	40 i	222 i	0 i	300 i	0 i
Connecticut C.	625	1,440	648	0	575	0	211	6
Robert Morris U.	626	1,419	664	79	632	22	22	0
Clafin U.	627	1,418	1,418	0	0	0	0	0
Oberlin C.	628	1,408	880	9	463	1	55	0
C. of Saint Benedict	629	1,400 i	58 i	0 i	1,342 i	0 i	0 i	0 i
Butler U.	630	1,396	1,077	0	199	20	100	0
United Tribes Technical C.	631	1,387	1,337	19	0	0	31	0
U. Hawaii, Maui C.	632	1,376	1,234	0	117	0	25	0
Kenyon C.	633	1,371	1,092	0	147	0	132	0
National U. of Natural Medicine	634	1,336	862	0	305	169	0	0
St. Edward's U.	635	1,334	315	186	762	0	71	0
Indiana State U.	636	1,327	980	83	212	32	11	9
Arcadia U.	637	1,321	772	182	0	0	367	0
Radford U.	638	1,315	109	135	903	13	155	0
Andrews U.	639	1,255	445	0	721	0	89	0
Heidelberg U.	640	1,254	197	799	243	0	15	0
Manhattan C.	641	1,250	422	222	460	146	0	0
U. Virginia's C. Wise	642	1,223	447	367	333	0	69	7
Pennsylvania State U., Altoona	643	1,215	297	6	666	91	144	11
U. Scranton	644	1,169	866	2	212	20	69	0
Ursinus C.	645	1,150	942	112	0	0	96	0

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2023

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
U. of Mary Washington	646	1,115	406	57	548	0	79	25
Western New England U.	646	1,115	538	54	302	89	132	0
Gettysburg C.	648	1,099	517	0	146	0	204	232
New C. Florida	649	1,080	146	0	367	425	142	0
Southern U., New Orleans	650	1,004	536	460	0	8	0	0
Gustavus Adolphus C.	651	969	467	9	107	181	54	151
Central Connecticut State U.	652	934	393	51	480	0	2	8
Canisius U.	653	905	411	0	0	0	494	0
Ithaca C.	654	861	453	130	178	0	42	58
Rhode Island C.	655	839	786	0	NA	0	53	0
Framingham State U.	656	735	700	0	35	0	0	0
U.S. Coast Guard Academy	657	689	278	0	287	0	124	0
U. Puerto Rico, Ponce	658	659	510	0	149	0	0	0
Lincoln U.	659	628	430	126	0	0	72	0
Bryant U.	660	558	436	0	122	0	0	0
William Paterson U.	661	533	168	0	350	4	11	0
Grambling State U.	662	449	377	52	20	0	0	0
Albion C.	663	276	226	0	0	50	0	0
St. Mary's C. Maryland	664	205	152	31	0	0	22	0

i = imputed. NA = not available; data were not provided by institution.

^a Johns Hopkins University includes the Applied Physics Laboratory, with \$2,333,049 thousand in total R&D expenditures in FY 2023.^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 Nebraska, Lincoln and Medical Center includes expenditures from the University of Nebraska, Lincoln; University of Nebraska, Medical Center; and University of Nebraska, Central Administration campuses. Due to a realignment within the University of Nebraska system that occurred on 22 June 2023, the three campuses fall under the leadership of one president. Prior to FY 2023, these three 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. For complete rankings of all institutions in both survey populations, see table 5.

Source(s):

National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2023.