

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2022

(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	-	97,680,528	53,971,468	4,907,199	24,492,663	5,701,656	5,974,155	2,633,387
Johns Hopkins U. ^a	1	3,420,312	2,971,816	7,785	158,738	120,023	153,334	8,616
U. California, San Francisco	2	1,805,950	780,318	40,658	438,949	128,983	251,612	165,430
U. Pennsylvania	3	1,791,311	873,318	23,189	562,094	204,216	120,832	7,662
U. Michigan, Ann Arbor	4	1,770,708	970,636	1,592	612,187	106,122	71,520	8,651
U. Washington, Seattle	5	1,559,708	1,083,090	19,188	117,096	61,099	231,172	48,063
U. California, Los Angeles	6	1,536,197	848,138	89,554	287,147	87,218	187,416	36,724
U. California, San Diego	7	1,533,357	970,696	58,556	213,400	106,189	111,854	72,662
U. Wisconsin-Madison	8	1,523,513	740,854	109,946	463,759	40,450	127,756	40,748
Duke U.	9	1,390,538	901,807	802	167,200	208,132	92,526	20,071
Stanford U.	10	1,384,555	860,125	20,064	169,346	138,118	189,536	7,366
Ohio State U.	11	1,363,388	636,902	66,409	424,790	141,894	52,073	41,320
U. North Carolina, Chapel Hill	12	1,361,028	827,158	38,681	343,102	49,664	84,942	17,481
Harvard U.	13	1,308,458	628,683	5,379	415,763	62,034	179,073	17,526
Cornell U.	14	1,300,357	636,481	88,200	250,308	55,328	115,788	154,252
New York U.	15	1,276,038	668,381	17,982	296,131	58,776	101,175	133,593
U. Pittsburgh, Pittsburgh	16	1,251,998	814,647	10,753	281,033	36,310	63,172	46,083
Georgia Institute of Technology	17	1,231,485	940,488	117,204	62,025	82,540	25,348	3,880
Columbia U. in the City of New York	18	1,230,924	904,346	6,391	113,189	83,684	121,435	1,879
U. Maryland ^b	19	1,228,550	750,447	49,950	334,100	34,844	52,546	6,663
U. Minnesota, Twin Cities	20	1,202,084	652,384	73,329	345,240	51,926	45,113	34,092
Yale U.	21	1,191,201	689,270	2,364	343,754	76,240	75,151	4,422
U. Texas M. D. Anderson Cancer Center	22	1,182,536	225,659	297,033	231,583	241,850	34,523	151,888
Texas A&M U., College Station and Health Science Center	23	1,152,666	505,355	218,735	315,112	35,535	47,156	30,773
Vanderbilt U. and Vanderbilt U. Medical Center	24	1,086,223	666,282	2,954	301,424	83,213	29,292	3,058
U. Florida	25	1,085,834	467,739	171,655	327,074	39,233	51,825	28,308
Washington U., Saint Louis	26	1,047,098	681,353	638	154,896	121,140	86,700	2,371
U. Southern California	27	1,039,905	601,747	11,421	201,486	91,844	58,895	74,512
Pennsylvania State U., University Park and Hershey Medical Center	28	1,019,940	681,159	47,345	207,630	24,121	30,128	29,557
Northwestern U.	29	1,000,695	618,771	783	262,434	59,850	51,091	7,766
Massachusetts Institute of Technology	30	989,166	531,056	2,523	117,128	165,200	100,640	72,619
U. California, Berkeley	31	981,035	468,542	37,894	210,324	69,062	169,790	25,423
Emory U.	32	958,281	568,149	522	252,545	64,536	70,269	2,260
Icahn School of Medicine at Mount Sinai	33	893,968	610,646	3,652	132,627	81,384	50,251	15,408

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2022

(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. California, Davis	34	883,807	468,468	71,806	211,277	50,684	42,552	39,020
U. Texas, Austin	35	845,896	536,296	31,721	151,594	76,512	45,893	3,880
Baylor C. of Medicine	36	827,005	420,054	35,155	292,730	28,251	50,815	0
U. Arizona	37	824,340	374,936	30,993	254,878	27,911	28,814	106,808
Arizona State U.	38	797,224	309,094	98,817	282,983	21,980	62,833	21,517
U. Illinois, Urbana-Champaign	39	765,909	420,953	28,024	215,146	49,272	33,693	18,821
Michigan State U.	40	759,229	381,504	42,516	291,592	10,942	17,393	15,282
Purdue U., West Lafayette	41	754,627	352,890	39,511	227,592	69,428	25,281	39,925
Indiana U., Bloomington	42	751,309	360,300	3,951	272,216	34,091	67,315	13,436
Boston U.	43	725,402	413,102	752	187,662	22,525	84,116	17,245
U. Texas Southwestern Medical Center	44	719,002	298,154	85,808	166,635	47,282	54,435	66,688
U. Alabama, Birmingham	45	713,480	421,223	8,816	172,809	73,595	35,196	1,841
Rutgers, State U. New Jersey, New Brunswick	46	712,231	351,660	90,882	149,889	44,250	71,821	3,729
U. Utah	47	670,119	367,040	3,347	221,473	43,073	31,556	3,630
U. Virginia, Charlottesville	48	662,658	332,993	9,520	187,912	32,511	32,320	67,402
U. Cincinnati	49	615,070	350,392	6,044	161,967	45,002	38,204	13,461
U. Colorado Boulder	50	611,380	507,892	5,422	46,096	11,316	17,307	23,347
U. Colorado Anschutz Medical Campus ^c	51	611,358	429,949	24,575	47,955	52,346	43,531	13,002
U. Iowa	52	594,215	314,346	5,957	220,605	32,201	21,085	21
Virginia Polytechnic Institute and State U.	53	591,861	240,305	75,010	225,690	37,005	6,972	6,879
U. Chicago	54	591,805	456,806	322	40,734	46,694	45,554	1,695
North Carolina State U.	55	583,203	250,582	130,707	145,171	52,960	3,451	332
U. Georgia	56	545,631	220,343	55,206	237,894	12,775	12,380	7,033
U. California, Irvine	57	534,947	291,393	15,008	115,832	42,941	33,110	36,663
Scripps Research Institute	58	492,639	242,135	1,424	164,488	35,318	49,274	0
Oregon Health and Science U.	59	479,226	346,724	1,322	45,950	43,965	40,925	340
California Institute of Technology	60	478,142	326,401	5,009	54,587	17,200	52,970	21,975
U. Kentucky	61	476,517	253,852	32,619	137,897	10,715	13,292	28,142
Case Western Reserve U.	62	467,389	380,423	6,503	53,133	4,856	20,142	2,332
Princeton U.	63	461,185	218,390	255	102,851	17,455	73,840	48,394
Colorado State U., Fort Collins	64	456,911	316,727	30,749	65,700	11,888	22,618	9,229
U. Rochester	65	450,805	334,503	2,037	53,315	36,329	18,783	5,838
Carnegie Mellon U.	66	449,707	259,160	4,379	123,903	42,115	13,772	6,378
U. Illinois, Chicago	67	440,573	251,328	6,914	131,574	11,917	30,691	8,149

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2022

(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, U. Buffalo	68	439,709	218,231	33,635	122,816	29,723	26,045	9,259
U. Miami	69	439,300	265,212	18,607	97,990	35,378	21,416	697
U. Missouri, Columbia	70	432,310	182,432	35,573	181,090	17,608	10,296	5,311
SUNY, Polytechnic Institute	71	413,763	32,396	97,519	110,878	169,101	223	3,646
U. Oklahoma, Norman and Health Science Center	72	408,656	210,994	26,614	140,592	15,450	11,616	3,390
Virginia Commonwealth U.	73	405,898	166,726	34,539	173,811	16,124	14,537	161
U. Kansas	74	405,267	200,117	29,376	120,620	29,384	12,073	13,697
U. South Florida ^d	75	405,166	206,552	24,683	146,620	12,463	12,424	2,424
Iowa State U.	76	393,184	187,156	37,071	134,050	18,924	15,284	699
Washington State U.	77	368,396	187,580	54,610	103,067	9,099	13,119	921
U. Delaware	78	368,107	194,775	11,552	142,398	5,839	5,252	8,291
U. Connecticut	79	367,557	230,752	4,242	103,966	11,371	13,166	4,060
Rockefeller U.	80	360,877	94,693	102	225,209	2,292	37,218	1,363
U. Massachusetts, Medical School	81	358,204	258,147	2,878	49,909	20,870	20,992	5,408
Florida State U.	82	355,986	163,744	24,003	152,444	4,914	3,723	7,158
Utah State U.	83	344,851	280,866	22,243	28,019	6,871	578	6,274
Louisiana State U., Baton Rouge	84	344,556	111,886	69,770	138,650	13,449	4,727	6,074
Dartmouth C. and Dartmouth Hitchcock Medical Center	85	344,126	155,445	1,344	156,384	2,383	19,943	8,627
U. Texas Health Science Center, Houston	86	342,633	184,205	46,379	55,120	15,764	28,031	13,134
U. Nebraska, Lincoln	87	340,260	113,248	61,070	134,864	19,767	6,247	5,064
U. New Mexico	88	331,164	232,774	6,491	67,949	4,625	17,427	1,898
U. Tennessee, Knoxville	89	324,435	149,260	15,785	138,287	9,528	7,012	4,563
Thomas Jefferson U.	90	321,644	173,861	14,252	63,739	26,469	24,927	18,396
Medical C. Wisconsin	91	321,506	152,301	586	102,906	35,121	27,050	3,542
Albert Einstein C. of Medicine	92	318,314	220,780	719	73,665	3,820	19,330	0
Georgetown U.	93	313,220	127,213	1,144	81,692	16,111	61,547	25,513
SUNY, Stony Brook U.	94	312,698	184,154	16,238	88,630	9,512	11,750	2,414
Brown U.	95	310,780	215,067	9	56,819	4,247	28,539	6,099
Auburn U., Auburn	96	304,439	104,883	33,555	143,876	8,338	1,912	11,875
Mississippi State U.	97	303,418	138,207	92,113	60,534	3,170	7,928	1,466
Temple U.	98	301,395	143,580	8,109	99,543	26,463	17,459	6,241
Oregon State U.	99	297,934	192,621	50,654	28,792	8,037	2,772	15,058
Medical U. South Carolina	100	284,553	163,395	4,565	76,566	20,932	9,097	9,998
Florida International U.	101	281,665	129,683	20,013	120,737	2,800	7,184	1,248

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(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
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U. Notre Dame	102	280,604	124,411	487	94,156	16,225	21,210	24,115
U. California, Santa Barbara	103	278,897	161,241	6,212	57,814	16,324	27,839	9,467
U. Hawaii, Manoa	104	277,323	169,762	17,799	75,287	2,304	11,546	625
Uniformed Services U. of the Health Sciences	105	277,240	194,187	0	75,736	0	7,317	0
George Washington U.	106	275,483	161,867	2,264	67,384	5,048	25,886	13,034
Wake Forest U.	107	269,109	180,754	9,209	26,816	22,212	21,022	9,096
Clemson U.	108	263,158	119,512	25,685	95,211	17,690	4,796	264
Wichita State U.	109	261,519	93,367	18,882	28,618	120,443	170	39
Woods Hole Oceanographic Institution	110	255,017	211,550	398	10,972	3,874	12,807	15,416
U. Massachusetts, Amherst	111	245,158	129,044	12,632	79,588	8,582	8,646	6,666
Wayne State U.	112	242,247	126,814	9,796	78,061	6,556	17,750	3,270
U. Houston	113	240,126	84,295	28,999	107,699	9,709	6,502	2,922
U. Texas Health Science Center, San Antonio	114	238,510	119,071	27,587	57,408	9,276	24,858	310
Northeastern U.	115	231,607	150,093	1,747	55,478	12,107	11,909	273
Tufts U.	116	231,224	150,081	3,780	29,719	12,765	11,331	23,548
George Mason U.	117	230,068	119,406	5,816	55,812	6,969	35,685	6,380
U. Louisville	118	229,582	117,363	11,543	63,606	11,915	8,259	16,896
U. South Carolina, Columbia	119	229,162	106,752	13,021	95,360	4,322	8,292	1,415
Texas Tech U.	120	226,729	45,136	29,861	121,050	13,367	16,426	889
Tulane U.	121	222,605	127,544	4,215	51,561	10,974	13,868	14,443
U. Central Florida	122	221,488	110,131	8,500	82,434	11,278	5,068	4,077
U. Vermont	123	216,307	117,163	1,379	82,412	2,785	7,081	5,487
Rice U.	124	216,202	105,345	5,071	63,401	5,535	31,834	5,016
Georgia State U.	125	215,908	81,641	6,415	112,773	502	13,940	637
West Virginia U.	126	214,081	97,327	9,769	79,689	5,016	3,862	18,418
Kansas State U.	127	212,974	81,820	40,926	72,772	8,259	8,047	1,150
U. Dayton	128	211,494	203,206	756	853	5,620	408	651
U. New Hampshire	129	206,392	129,721	3,938	56,891	9,893	5,107	842
U. Arkansas for Medical Sciences	130	205,493	95,080	15,287	71,431	11,022	6,253	6,420
U. Nebraska, Medical Center	131	205,253	114,754	12,652	39,600	8,591	14,617	15,039
U. Louisiana, Lafayette	132	205,201	77,110	10,541	42,605	74,657	288	0
U. Texas Medical Branch	133	204,518	123,467	8,481	53,371	7,267	11,932	0
U. Alaska, Fairbanks	134	202,516	154,742	1,508	39,501	3,346	1,433	1,986
Montana State U., Bozeman	135	200,820	118,974	18,147	55,164	1,546	3,208	3,781

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2022

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
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U. California, Riverside	136	199,135	114,257	8,566	51,532	6,267	8,538	9,975
Oklahoma State U., Stillwater	137	195,041	53,885	21,322	106,925	11,236	1,351	322
U. Arkansas, Fayetteville	138	184,080	64,252	48,654	59,522	4,705	5,742	1,205
U. Nevada, Reno	139	181,782	83,631	7,477	78,594	2,787	2,018	7,275
U. California, Santa Cruz	140	176,760	107,082	7,101	34,599	7,330	13,485	7,163
North Dakota State U.	141	174,904	45,343	50,066	71,056	1,507	864	6,068
U. Maine	142	171,931	84,072	19,449	60,064	3,848	2,568	1,930
U. Alabama, Huntsville	143	169,532	132,060	5,091	30,776	626	496	483
New Jersey Institute of Technology	144	167,135	71,326	14,576	62,576	1,872	7,207	9,578
U. Alabama, Tuscaloosa	145	163,204	67,986	17,040	73,435	2,701	1,631	411
U. Oregon	146	160,500	97,238	1,061	55,247	782	5,795	377
Syracuse U.	147	157,407	33,976	3,890	101,347	8,568	9,378	248
U. Mississippi	148	152,903	84,270	183	61,653	2,696	3,489	612
Drexel U.	149	151,903	99,399	3,418	36,121	2,323	7,882	2,760
U. North Dakota	150	147,717	62,737	26,441	44,072	13,559	727	181
U. Texas, San Antonio	151	147,629	54,384	13,795	64,443	5,765	6,123	3,119
U. Wyoming	152	139,764	68,772	5,592	58,184	4,099	2,167	950
U. Texas, Arlington	153	133,770	56,025	27,482	38,339	2,935	6,948	2,041
U. Texas, Dallas	154	130,914	60,706	13,882	32,378	9,499	14,449	0
SUNY, Binghamton U.	155	130,882	24,888	5,225	94,515	3,458	1,306	1,490
U. Texas, El Paso	156	130,501	60,387	15,999	41,654	1,177	2,151	9,133
SUNY, U. Albany	157	129,796	51,492	1,234	71,042	735	2,963	2,330
U. Rhode Island	158	129,102	93,190	5,508	24,722	1,304	3,470	908
Augusta U.	159	127,313	64,609	95	51,995	3,451	6,725	438
U. Montana, Missoula	160	125,603	73,507	659	48,353	709	2,220	155
San Diego State U.	161	123,856	50,540	4,812	64,484	457	2,489	1,074
Rensselaer Polytechnic Institute	162	121,809	50,605	3,485	47,193	15,282	2,012	3,232
New Mexico State U.	163	121,472	71,718	23,036	16,167	2,451	2,366	5,734
Cold Spring Harbor Laboratory	164	118,034	59,163	134	36,235	3,766	18,736	0
U. Idaho	165	115,603	56,160	35,703	17,659	1,923	766	3,392
U. Tennessee, Health Science Center	166	115,161	60,221	6,205	32,641	3,958	6,232	5,904
Rush U.	167	114,874	79,647	1,548	9,884	15,789	8,006	0
U. Massachusetts, Lowell	168	111,144	62,195	2,599	39,067	4,463	2,112	708
U. Maryland, Baltimore County	169	110,319	65,368	7,264	31,743	1,958	2,611	1,375

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Texas State U.	170	110,102	38,936	3,810	60,338	1,102	5,800	116
Brandeis U.	171	102,378	44,205	1,027	40,627	1,100	11,813	3,606
Colorado School of Mines	172	98,404	66,200	1,446	13,739	9,580	2,329	5,110
U. Nevada, Las Vegas	173	94,967	28,867	2,174	59,398	1,656	809	2,063
U. North Texas, Denton	174	93,538	23,056	5,007	61,728	1,979	1,762	6
Michigan Technological U.	175	91,084	48,766	999	32,247	6,687	591	1,794
New Mexico Institute of Mining and Technology	176	89,900	72,594	10,532	2,895	2,922	269	688
Saint Louis U.	177	82,740	42,170	355	22,991	5,459	11,584	181
Cleveland State U.	178	81,225	53,395	848	18,497	3,481	4,812	192
Van Andel Research Institute	179	78,626	29,424	701	35,812	227	4,633	7,829
William & Mary	180	75,953	33,730	4,124	30,035	966	4,212	2,886
U. Southern Mississippi	181	72,477	48,368	11,944	10,942	555	668	0
San Jose State U.	182	71,695	30,984	7,796	27,661	1,792	2,296	1,166
U. Memphis	183	71,271	24,686	8,365	33,900	1,084	3,045	191
Boston C.	184	68,958	36,560	1,439	13,949	652	15,649	709
American U.	185	67,616	14,752	874	40,650	428	8,424	2,488
Howard U.	186	67,594	37,331	1,197	23,130	2,908	1,816	1,212
Northern Arizona U.	187	66,729	43,453	7,055	14,501	813	768	139
Baylor U.	188	66,014	15,856	2,211	34,144	3,165	7,682	2,956
CUNY, City C.	189	65,569	38,596	11,892	13,103	467	1,311	200
U. Massachusetts, Boston	190	65,215	23,131	8,852	25,606	2,043	4,958	625
Old Dominion U.	191	64,877	27,804	12,866	19,957	820	2,515	915
U. Toledo	192	64,654	36,694	1,211	19,679	3,312	3,509	249
U. Texas Rio Grande Valley	193	64,401	18,317	5,380	32,862	212	7,326	304
Indiana U.-Purdue U., Indianapolis	194	64,162	29,353	413	27,461	1,313	5,475	147
Naval Postgraduate School	195	64,055	44,852	0	18,483	313	66	341
Rochester Institute of Technology	196	62,383	33,373	7,076	16,109	2,789	1,998	1,038
Florida Atlantic U.	197	61,748	28,641	7,443	15,422	2,431	5,831	1,980
South Dakota State U.	198	59,590	22,991	16,267	4,841	1,278	2,537	11,676
Southern Methodist U.	199	57,544	17,680	1,106	33,929	1,918	2,751	160
Worcester Polytechnic Institute	200	56,904	34,004	3,041	14,261	3,308	1,414	876
U. Wisconsin-Milwaukee	201	56,822	24,036	16,504	12,368	1,535	935	1,444
East Carolina U.	202	55,693	29,648	408	19,542	3,991	1,783	321
U. California, Office of the President	203	54,640	158	34,007	20,390	0	0	85

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Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Louisiana State U., Health Sciences Center, New Orleans	204	53,995	33,087	168	13,488	3,193	3,275	784
U. Maryland Center for Environmental Science	205	53,718	15,109	26,071	10,222	223	1,792	301
Stevens Institute of Technology	206	53,563	41,836	2,264	5,895	2,608	539	421
Missouri U. of Science and Technology	207	53,357	28,792	227	15,993	4,559	662	3,124
U. Missouri, Kansas City	208	52,657	31,134	225	17,201	338	969	2,790
Ohio U.	209	52,465	20,587	1,035	26,187	3,634	634	388
Kent State U.	210	52,175	16,195	1,308	32,748	640	1,242	42
Lehigh U.	211	51,769	36,535	2,342	11,162	595	1,060	75
Florida A&M U.	212	50,636	41,943	1,510	6,256	334	593	0
SUNY, Upstate Medical U.	213	50,586	27,737	2,261	10,660	5,883	2,331	1,714
Mercer U.	214	50,222	32,504	46	9,218	4,083	112	4,259
U. California, Merced	215	48,147	23,421	5,992	14,279	768	1,918	1,769
North Carolina A&T State U.	216	47,908	29,094	3,899	14,445	261	195	14
Boise State U.	217	47,617	32,015	2,842	11,230	536	876	118
U. Puerto Rico, Medical Sciences Campus	218	47,578	35,050	1,005	8,295	3,228	0	0
Southern Illinois U., Carbondale	219	46,967	13,582	802	24,670	7,169	744	0
Texas Tech U., Health Sciences Center	220	46,574	14,620	16,937	9,544	508	2,963	2,002
Loyola U., Chicago	221	46,169	26,972	204	9,904	3,527	3,955	1,607
Brigham Young U., Provo	222	45,610	31,636	1,032	6,962	3,577	2,171	232
U. Denver	223	45,561	26,040	4,419	6,953	1,937	5,210	1,002
Air Force Institute of Technology	224	44,391	32,479	0	11,869	43	0	0
U. South Alabama	225	43,491	23,762	998	15,313	1,232	1,383	803
U. North Carolina, Charlotte	226	43,126	26,871	1,158	11,848	2,689	560	0
Morehouse School of Medicine	227	42,489	31,339	440	7,155	0	3,555	0
Portland State U.	228	41,483	30,922	2,635	3,949	636	2,882	459
U. North Carolina, Greensboro	229	41,303	29,822	524	9,054	593	579	731
Marquette U.	230	40,638	15,316	207	16,222	752	2,440	5,701
U. West Florida	231	38,870	17,114	203	20,673	683	197	0
Catholic U. of America	232	38,191	26,285	130	4,211	370	7,195	0
Oakland U.	233	38,061	9,533	2,911	18,539	2,613	2,636	1,829
San Francisco State U.	234	36,617	15,276	2,013	18,257	53	990	28
U.S. Air Force Academy	235	36,506	35,826	0	0	680	0	0
Georgia Southern U.	236	36,362	2,605	322	28,826	4,608	1	0
Texas A&M U.-Corpus Christi	237	36,014	15,229	9,903	5,287	90	2,782	2,723

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2022

(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
CUNY, Hunter C.	238	35,348	21,142	3,367	8,895	716	1,165	63
Chapman U.	239	34,212	11,098	854	13,710	425	7,989	136
U. Texas Health Science Center, Tyler	240	33,872	14,362	8,127	6,016	858	4,509	0
California Polytechnic State U., San Luis Obispo	241	33,155	15,084	3,155	9,964	2,008	2,890	54
U. Massachusetts, Dartmouth	242	33,136	11,162	1,519	18,713	1,035	440	267
SUNY, C. of Environmental Science and Forestry	243	32,904	7,766	14,020	8,411	795	817	1,095
Montclair State U.	244	32,202	5,189	619	24,540	54	1,683	117
Nova Southeastern U.	245	31,189	9,314	3,571	16,839	417	616	432
Teachers C., Columbia U.	246	30,978	10,177	4,357	NA	1,846	12,335	2,263
SUNY, Downstate Health Sciences U.	247	30,918	25,081	31	3,816	177	1,475	338
U. South Dakota	248	30,322	13,702	1,919	14,176	32	493	0
Rowan U.	249	29,949	18,613	4,720	4,546	1,177	893	0
Illinois Institute of Technology	250	29,791	25,963	2	1,759	948	371	748
Louisiana State U., Health Sciences Center, Shreveport	251	29,502	15,503	21	8,434	1,045	4,499	0
Morgan State U.	252	29,482	24,670	2,835	707	601	344	325
Delaware State U.	253	29,016	24,361	598	3,457	150	440	10
Miami U.	254	28,799	10,277	1,997	13,843	1,375	969	338
Embry-Riddle Aeronautical U.	255	28,650	23,863	358	1,425	1,002	225	1,777
Desert Research Institute	256	28,478	17,341	385	4,377	960	4,381	1,034
Rutgers, State U. New Jersey, Newark	257	28,345	16,099	421	8,531	167	3,041	86
U. Puerto Rico, Rio Piedras	258	28,083	16,905	60	10,458	229	376	55
Western Michigan U. and Homer Stryker M.D. School of Medicine	259	27,768	12,895	1,348	9,489	2,063	473	1,500
Creighton U.	260	27,609	12,022	3,702	8,993	1,289	320	1,283
Wright State U.	261	27,440	20,529	757	5,368	407	343	36
Northern Illinois U.	262	27,068	9,840	774	14,986	634	606	228
Louisiana Tech U.	263	26,591	5,734	2,532	15,621	713	0	1,991
Villanova U.	264	25,955	6,476	1,404	15,309	605	2,140	21
Marshall U.	265	25,692	16,369	1,909	6,479	320	615	0
Illinois State U.	266	25,510	8,673	487	14,540	54	1,752	4
U. Nebraska, central administration	267	25,402	23,872	0	1,498	0	0	32
Central Michigan U.	268	25,105	9,773	1	14,061	157	794	319
U. Nebraska, Omaha	269	24,259	17,301	2,445	4,038	44	387	44
California State U., Sacramento	270	23,795	6,646	10,203	5,694	115	511	626
Texas A&M U.-Kingsville	271	23,451	8,225	6,241	2,812	389	5,647	137

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2022

(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
East Tennessee State U.	272	23,420	9,715	315	9,214	35	3,881	260
U. Minnesota, Duluth	273	23,362	6,122	5,928	10,794	382	105	31
Middle Tennessee State U.	274	22,631	4,347	509	16,715	261	799	0
Albany Medical C.	275	22,297	13,384	0	3,132	3,606	689	1,486
Eastern Virginia Medical School	276	22,165	17,616	1,186	2,603	148	612	0
Tuskegee U.	277	21,941	14,911	3,206	1,128	0	0	2,696
U. New Orleans	278	21,911	8,270	788	10,393	483	1,067	910
Kennesaw State U.	279	21,705	3,290	529	17,003	205	543	135
Clarkson U.	280	21,703	8,834	2,713	8,116	1,363	508	169
CUNY, Queens C.	281	21,434	14,756	1,362	4,717	83	439	77
U. Alaska, Anchorage	282	21,024	15,249	1,227	3,392	282	493	381
U.S. Military Academy	283	20,841	19,708	0	95	482	280	276
U. Guam	284	20,481	17,066	1,682	1,339	375	19	0
Fordham U.	285	20,432	4,856	0	13,005	27	1,523	1,021
Prairie View A&M U.	286	20,429	11,665	4,037	3,898	327	502	0
U. of the Virgin Islands	287	20,259	19,127	1,010	NA	48	74	0
South Dakota School of Mines and Technology	288	20,061	15,100	1,467	2,488	741	55	210
Tarleton State U.	289	20,056	5,055	3,927	10,533	257	284	0
U. North Carolina, Wilmington	290	20,053	7,178	6,644	3,338	1,166	1,638	89
U. Akron	291	19,943	11,036	160	5,608	2,102	893	144
California State U., Northridge	292	19,638	15,546	984	1,207	181	1,703	17
Bowling Green State U.	293	19,342	7,918	1,649	8,895	122	758	0
New School	294	19,218	1,261	298	3,023	2	11,860	2,774
Southern Illinois U., Edwardsville	295	19,152	3,250	556	14,766	577	3	0
California State U., East Bay	296	19,035	8,997	693	8,232	2	1,036	75
U. North Florida	297	18,394	7,758	746	8,817	107	232	734
Texas Christian U.	298	18,353	5,670	302	9,201	2,028	1,096	56
U. Puerto Rico, Mayaguez	299	18,274	16,223	455	314	1,049	233	0
U. Colorado Denver ^C	300	18,080	12,668	2,422	1,063	453	1,160	314
Tennessee State U.	301	18,012	10,859	567	6,466	4	116	0
Meharry Medical C.	302	17,960	15,048	0	648	25	2,239	0
California State U., Long Beach	303	17,807	11,739	572	2,980	534	837	1,145
Florida Institute of Technology	304	17,706	10,970	1,170	4,740	465	361	0
Jackson State U.	305	17,481	15,045	0	1,427	93	916	0

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2022

(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. Tulsa	306	17,416	5,893	320	4,023	6,130	967	83
Long Island U.	307	17,183	2,652	0	13,962	184	334	51
James Madison U.	308	17,021	2,884	798	12,602	218	518	1
Alcorn State U.	309	16,726 i	9,361 i	4,977 i	2,349 i	7 i	32 i	0 i
California State U., Fullerton	310	16,642	6,136	305	9,664	95	442	0
Idaho State U.	311	16,615	9,080	2,223	4,292	547	249	224
North Carolina Central U.	312	16,600	13,709	954	NA	434	776	727
CUNY, Advanced Science Research Center	313	16,507	12,580	365	2,226	324	888	124
New York Medical C.	314	16,461	9,070	985	813	2,947	1,980	666
CUNY, Graduate School of Public Health and Health Policy	315	16,423	11,880	318	2,189	658	1,340	38
Tennessee Technological U.	316	16,398	8,156	4,256	3,464	117	146	259
CUNY, John Jay C. of Criminal Justice	317	16,233	5,777	3,516	3,492	144	2,171	1,133
California State Polytechnic U., Humboldt	318	15,612	2,421	4,248	4,784	110	2,209	1,840
Loma Linda U.	319	15,517	9,134	630	3,012	1,358	942	441
Western Washington U.	320	15,081	6,347	1,063	5,954	68	1,614	35
Charles R. Drew U. of Medicine and Science	321	14,581	10,656	220	3,098	0	607	0
Texas Tech U., Health Sciences Center, El Paso	322	14,206	2,339	2,856	8,097	475	438	1
Montana Technological U.	323	14,188	5,600	6,085	2,221	282	0	0
Xavier U. Louisiana	324	14,156	11,733	585	1,452	0	386	0
Duquesne U.	325	13,944	6,309	928	4,043	217	2,447	0
Northeast Ohio Medical U.	326	13,465	9,400	47	3,197	0	821	0
U. Missouri, Saint Louis	327	13,247	4,573	61	5,106	81	2,934	492
Rosalind Franklin U. of Medicine and Science	328	12,988	7,292	144	4,239	593	720	0
U. Tennessee, Chattanooga	329	12,808	5,214	1,291	5,510	106	229	458
Loyola Marymount U.	330	12,773	2,824	1,334	7,360	6	1,249	0
U. Hawaii, system office	331	12,646	12,511	0	135	0	0	0
California State U., Fresno	332	12,603	5,928	1,102	3,854	356	1,258	105
Virginia State U.	333	12,326	7,115	2,006	2,544	0	661	0
Texas Southern U.	334	12,120	7,550	1,150	3,362	0	58	0
Sam Houston State U.	335	12,009	4,936	132	6,444	1	382	114
California State U., San Bernardino	336	11,929	6,693	2,445	2,657	3	131	0
Lincoln U., Jefferson City	337	11,500	8,988	2,512	NA	0	0	0
Hampton U.	338	11,462	11,274	0	188	0	0	0
Missouri State U.	339	11,162	10,084	94	754	95	135	0

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2022

(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
Rhode Island C.	340	11,127	5,372	5,301	92	0	362	0
Midwestern U.	341	11,069	1,609	160	8,714	290	296	0
U. of the District of Columbia	342	10,779	9,859	920	0	0	0	0
U.S. Naval Academy	343	10,664	10,147	0	0	0	251	266
Salisbury U.	344	10,614	3,734	3,405	3,415	0	50	10
U. North Texas, Health Science Center	345	10,439	3,172	0	6,615	502	14	136
Winston-Salem State U.	346	10,436	8,903	283	0	0	785	465
Central State U.	347	10,274	5,576	3,039	1,659	0	0	0
U. San Diego	348	10,143	2,911	510	5,842	0	576	304
Wesleyan U.	349	10,101	5,267	0	3,652	93	1,052	37
Fort Valley State U.	350	9,969	7,265	2,704	0	0	0	0
Ball State U.	351	9,932	5,302	257	3,754	247	372	0
Florida Gulf Coast U.	352	9,896	6,482	1,823	214	110	1,211	56
California State U., Los Angeles	353	9,839	8,605	130	943	0	161	0
Alabama A&M U.	354	9,611	9,221	4	0	386	0	0
West Texas A&M U.	355	9,438	2,123	4,302	1,972	966	29	46
Kentucky State U.	356	9,284	4,743	4,357	0	83	101	0
U. Maryland, Eastern Shore	357	9,274	9,062	192	20	0	0	0
California State U., San Marcos	358	9,238	7,986	980	265	0	7	0
Bryn Mawr C.	359	9,123	1,257	0	7,692	0	174	0
Saint Joseph's U.	360	9,041	2,520	1,205	2,609	2,252	455	0
Western U. of Health Sciences	361	9,029	7,131	600	224	351	704	19
California State U., Monterey Bay	362	8,975	5,051	1,404	2,300	50	164	6
Clark U.	363	8,813	2,500	77	4,552	0	1,577	107
Clark Atlanta U.	364	8,791	5,895	0	2,647	198	51	0
Towson U.	365	8,788	2,844	177	5,513	30	217	7
Claremont Graduate U.	366	8,382	1,610	342	1,113	3,384	1,381	552
Oklahoma State U., Center for Health Sciences	367	8,368	3,366	35	4,897	53	17	0
DePaul U.	368	8,362	3,757	169	2,195	260	1,948	33
Arkansas State U., Jonesboro	369	8,214	3,932	3,325	658	271	28	0
U. Washington, Bothell	370	8,197	4,009	259	786	85	3,007	51
U. Michigan, Dearborn	371	8,180	2,537	9	3,259	2,070	223	82
Eastern Michigan U.	372	8,025	2,346	50	5,324	57	248	0
U. Hawaii, Hilo	373	8,001	5,292	66	1,533	131	931	48

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2022

(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. Oklahoma, Tulsa	374	7,945	1,804	1,709	2,892	104	1,120	316
California State Polytechnic U., Pomona	375	7,909	5,407	846	1,441	204	11	0
U. Colorado Colorado Springs	376	7,761	5,345	752	939	595	130	0
Western Kentucky U.	377	7,720	3,127	531	3,961	55	46	0
William Paterson U.	378	7,574	1,896	0	5,401	121	131	25
U. Arkansas, Little Rock	379	7,530	6,675	220	80	170	157	228
U. Arkansas, Pine Bluff	380	7,506	3,306	1,449	2,737	0	14	0
Yeshiva U.	381	7,274	1,695	0	4,765	0	349	465
Appalachian State U.	382	7,189	2,567	103	3,129	617	771	2
Amherst C.	383	7,177	2,862	0	2,130	0	127	2,058
Edward Via C. of Osteopathic Medicine	384	7,121	482	58	6,520	8	53	0
U. Central Oklahoma	385	7,070 i	1,869 i	747 i	4,365 i	85 i	3 i	1 i
Southern U. and A&M C., Agricultural Research and Extension Center	386	7,048	4,261	2,765	22	0	0	0
Hofstra U.	387	6,939	2,118	139	4,485	0	197	0
West Virginia State U.	388	6,703	4,278	1,601	815	0	9	0
Grand Valley State U.	389	6,695	1,819	378	2,986	0	948	564
Philadelphia C. of Osteopathic Medicine	390	6,667	40	57	2,675	2,300	1,595	0
U. New England	391	6,664	3,660	15	2,503	126	360	0
U. Baltimore	392	6,646	4,853	1,445	NA	4	259	85
Langston U.	393	6,481	3,616	0	2,449	416	0	0
Rutgers, State U. New Jersey, Camden	394	6,480	3,349	60	2,003	330	724	14
C. Charleston	395	6,421	4,485	383	1,032	40	465	16
Purdue U., Northwest	396	6,387	3,171	767	1,323	477	128	521
Pennsylvania State U., Behrend	397	6,384	3,262	405	1,345	848	514	10
Gallaudet U.	398	6,360	3,287	1	2,396	0	128	548
Hope C.	399	6,355	3,691	0	1,928	0	625	111
Wellesley C.	400	6,326	2,915	552	NA	89	2,008	762
Indiana U. Pennsylvania	401	6,313	1,797	729	3,303	0	469	15
Abilene Christian U.	402	6,310	1,032	0	231	4,907	140	0
Roseman U. of Health Sciences	403	6,296	30	0	6,158	106	2	0
Southern Connecticut State U.	404	6,286	848	103	4,722	0	362	251
CUNY, Brooklyn C.	405	6,220	4,623	0	1,418	3	160	16
High Tech High Graduate School of Ed.	406	6,203	0	0	0	0	6,203	0
Pacific U.	407	6,128	2,672	498	2,670	45	243	0

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2022

(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
Texas Woman's U.	408	6,029	2,091	2,386	883	135	534	0
U. North Carolina, Asheville	409	5,973	2,600	542	543	54	2,234	0
Reed C.	410	5,922 i	2,139 i	38 i	3,272 i	0 i	342 i	131 i
West Chester U. Pennsylvania	411	5,903	854	20	4,618	32	379	0
Claremont McKenna C.	412	5,893	1,070	56	4,377	0	390	0
Grinnell C.	413	5,867	242	0	5,237	15	208	165
Smith C.	414	5,831	2,403	0	1,740	248	1,440	0
MGH Institute of Health Professions	415	5,805	4,628	0	20	0	1,157	0
Seton Hall U.	416	5,741	2,092	1,737	1,176	150	586	0
Morehouse C.	417	5,664	5,664	0	0	0	0	0
Williams C.	418	5,657 i	1,286 i	0 i	1,894 i	0 i	156 i	2,321 i
Northwest Indian C.	419	5,632	4,298	0	1,334	0	0	0
New York Institute of Technology	420	5,555	2,988	167	2,180	0	220	0
Naval War C.	421	5,529	5,529	0	0	0	0	0
CUNY, Graduate Center	422	5,509	2,535	154	1,080	0	1,208	532
Kean U.	423	5,499	715	180	4,548	15	41	0
U. Southern Maine	424	5,498	2,201	2,893	237	0	126	41
U.S. Army War C.	425	5,496 i	5,496 i	0 i	0 i	0 i	0 i	0 i
U. Washington, Tacoma	426	5,484	4,553	432	207	0	138	154
Des Moines U.	427	5,307	1,589	179	3,455	0	84	0
Lamar U.	428	5,304	1,180	3,639	220	167	98	0
Bucknell U.	429	5,259	2,539	0	1,150	369	236	965
U. Detroit Mercy	430	5,186	4,663	0	494	16	13	0
Oregon Institute of Technology	431	5,086 i	340	4,431 i	NA	109 i	206 i	0
U. Central del Caribe	432	5,053	2,807	356	1,486	0	0	404
Barnard C.	433	4,988	3,758	0	652	39	539	0
Texas A&M U.-Commerce	434	4,955	1,776	222	2,783	4	153	17
Memorial Sloan Kettering Cancer Center, Louis V. Gerstner Jr. Graduate S. of Biomedical Sciences	435	4,954	858	0	3,799	0	91	206
California State U., Bakersfield	436	4,815	2,665	259	1,878	0	13	0
Dakota State U.	437	4,684	3,976	236	382	84	6	0
CUNY, Lehman C.	438	4,656	3,652	10	421	177	273	123
U. Wisconsin-Superior	439	4,615	3,635	135	617	152	76	0
U. New Haven	440	4,548	2,447	504	405	352	807	33
SUNY, C. of Optometry	441	4,497	2,080	0	708	1,642	56	11

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2022

(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
Haverford C.	442	4,487	2,722	0	852	0	381	532
Texas A&M International U.	443	4,486	1,624	917	1,093	73	751	28
Toyota Technological Institute, Chicago	444	4,470	2,199	0	1,568	431	272	0
Franklin and Marshall C.	445	4,440	1,680	266	1,555	339	333	267
Citadel Military C. South Carolina	446	4,374	3,741	270	336	3	20	4
Carleton C.	447	4,358	1,914	18	2,055	0	214	157
Southern U. and A&M C., Baton Rouge	448	4,344	3,595	80	34	635	0	0
Colgate U.	449	4,343	1,570	0	2,625	78	66	4
Western Illinois U.	450	4,311	4,032	0	47	160	0	72
U. of Health Sciences and Pharmacy in St. Louis	451	4,280	2,523	0	977	635	145	0
South Carolina State U.	452	4,270 i	4,270 i	NA	NA	NA	NA	NA
California State U., Dominguez Hills	453	4,230	3,156	23	1,001	0	50	0
Santa Clara U.	454	4,225	2,660	299	NA	518	748	0
Swarthmore C.	454	4,225	1,733	6	2,130	0	356	0
California State U., Chico	456	4,177	2,312	763	422	130	44	506
Youngstown State U.	457	4,157	3,533	260	305	42	17	0
Occidental C.	458	4,139 i	2,622 i	484 i	NA	480 i	553 i	0 i
U. Nebraska, Kearney	459	4,009	1,900	530	1,459	48	0	72
Fisk U.	460	4,000	3,486	93	10	0	411	0
National Defense U.	461	3,920	3,920	0	0	0	0	0
Northern Kentucky U.	462	3,888	2,596	2	890	22	378	0
Pepperdine U.	463	3,775	883	19	885	0	1,988	0
Sonoma State U.	464	3,774	2,889	406	298	40	141	0
U. Wisconsin-Stevens Point	465	3,740	1,235	1,074	829	1	314	287
Coastal Carolina U.	466	3,724	1,130	948	1,580	0	66	0
Chicago State U.	467	3,701	3,699	0	0	0	2	0
U. Central Arkansas	468	3,684	1,731	623	1,186	0	144	0
Trinity U.	469	3,657	1,345	5	1,117	0	1,149	41
Colorado C.	470	3,646	1,371	258	1,090	0	927	0
Norfolk State U.	471	3,593	3,398	89	0	0	106	0
St. John's U., New York	472	3,592	2,456	0	326	195	387	228
U. Texas of the Permian Basin	473	3,577	1,538	685	756	132	466	0
CUNY, C. Staten Island	474	3,545	2,916	93	342	1	133	60
Milwaukee School of Engineering	474	3,545	969	0	79	2,485	12	0

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2022

(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
Pace U.	476	3,524	2,534	0	711	0	279	0
U. North Carolina, general administration	477	3,522	369	3,153	0	0	0	0
U. Northern Iowa	478	3,486	2,132	465	808	0	81	0
Alfred U.	479	3,477	1,008	1,659	517	264	29	0
C. New Jersey	480	3,464	1,984	186	579	0	715	0
Winthrop U.	481	3,424	2,542	196	628	13	45	0
St. Edward's U.	482	3,393	1,940	101	1,150	15	160	27
Azusa Pacific U.	483	3,389	282	266	2,680	0	161	0
California State U., Channel Islands	484	3,377	1,638	746	690	267	36	0
Murray State U.	485	3,371	2,176	23	1,060	112	0	0
Bowie State U.	486	3,351	3,351	0	0	0	0	0
Harvey Mudd C.	487	3,350	1,956	0	1,020	2	138	234
U. Northern Colorado	488	3,308	1,692	100	1,224	143	149	0
Hawaii Pacific U.	489	3,302	2,667	48	4	315	240	28
Biola U.	490	3,260	0	2	0	0	3,088	170
U. Texas, Tyler	491	3,246	1,585	651	821	111	64	14
Hobart and William Smith Colleges	492	3,228	1,264	955	557	0	201	251
Fayetteville State U.	493	3,206	1,667	479	898	116	46	0
Stephen F. Austin State U.	494	3,184	879	1,326	511	22	267	179
Alabama State U.	495	3,178	2,930	0	0	216	1	31
Central Washington U.	496	3,176	2,429	266	350	55	42	34
Calvin U.	497	3,169	931	12	559	24	1,376	267
CUNY, Baruch C.	498	3,156	1,894	23	640	0	505	94
Austin Peay State U.	499	3,149	870	1,186	984	0	89	20
U. Louisiana, Monroe	500	3,128	1,993	748	208	41	138	0
Colorado State U., Pueblo	501	3,117	1,278	1,721	82	0	27	9
Lawrence Technological U.	502	3,050	1,109	1,037	154	192	558	0
U. Wisconsin-La Crosse	503	2,942	968	694	977	227	70	6
Pennsylvania State U., Harrisburg	504	2,927	1,911	491	251	173	101	0
CUNY, system office	505	2,900	798	1,528	223	99	252	0
Pittsburg State U.	506	2,884	1,167	666	NA	1,051	0	0
U. Illinois, Springfield	507	2,881	1,210	646	797	0	228	0
Morehead State U.	508	2,880	2,086	431	15	345	3	0
Saginaw Valley State U.	509	2,862	2,341	0	388	5	112	16

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2022

(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
Framingham State U.	510	2,830 i	232 i	0 i	0 i	95 i	2,503 i	0 i
Davidson C.	511	2,788	1,370	4	702	31	542	139
Western Carolina U.	512	2,783	1,727	297	519	157	83	0
Fort Lewis C.	513	2,765	2,590	48	51	0	76	0
Christopher Newport U.	514	2,762	1,701	0	855	48	158	0
U. Wisconsin-Green Bay	515	2,713	1,046	752	843	25	47	0
Spelman C.	516	2,686	2,539	0	0	147	0	0
Johnson C. Smith U.	517	2,685	1,868	674	0	12	131	0
U. Richmond	518	2,670	1,624	0	529	0	476	41
U. San Francisco	519	2,657	547	265	1,123	0	717	5
Furman U.	520	2,650	1,280	22	1,069	25	169	85
Bowdoin C.	521	2,648	1,867	46	635	0	91	9
U. Virginia's C. Wise	522	2,628	786	837	965	4	36	0
Middlebury C.	523	2,603	2,281	10	49	0	263	0
U. South Carolina, Aiken	524	2,595	857	0	1,729	0	9	0
Pomona C.	525	2,589	1,217	12	1,238	0	122	0
Vassar C.	526	2,580	1,052	21	1,106	0	378	23
Lewis and Clark C.	527	2,566	746	0	1,522	0	298	0
Touro U., California	528	2,561	964	0	1,354	182	0	61
Franklin W. Olin C. of Engineering	529	2,554	809	0	698	82	882	83
Colby C.	530	2,530	1,466	0	573	0	243	248
Sul Ross State U.	531	2,526 i	623 i	151 i	143 i	30 i	941 i	638 i
Troy U.	532	2,517	2,296	48	135	38	0	0
U. of St. Thomas (MN)	533	2,476	527	407	715	327	437	63
Bates C.	534	2,468	1,785	0	281	0	235	167
Eastern Washington U.	535	2,437	855	1,332	NA	13	149	88
Southeastern Louisiana U.	536	2,407	1,285	266	784	61	11	0
Tougaloo C.	537	2,336 i	2,336 i	0 i	0 i	0 i	0 i	0 i
Pratt Institute	538	2,325	228	995	5	0	1,097	0
Grambling State U.	539	2,306 i	809 i	639 i	858 i	0 i	0 i	0 i
Albany C. of Pharmacy and Health Sciences	540	2,276	1,110	0	769	250	147	0
Dillard U.	541	2,270	1,422	0	848	0	0	0
La Sierra U.	542	2,246	972	0	654	0	620	0
St. Cloud State U.	543	2,226	401	235	690	601	299	0

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2022

(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
Northeastern Illinois U.	544	2,224	2,224	0	0	0	0	0
Minnesota State U., Mankato	545	2,206	575	110	1,300	0	18	203
Willamette U.	546	2,183	791	0	1,344	0	48	0
SUNY, Buffalo State	547	2,172	1,299	658	189	5	1	20
Roger Williams U.	548	2,156	1,351	165	445	30	165	0
Purdue U., Fort Wayne	549	2,134	313	371	814	140	186	310
Mount Holyoke C.	550	2,112	1,511	0	285	0	316	0
Dine C.	551	2,091	2,091	0	0	0	0	0
SUNY, Geneseo	551	2,091	1,564	8	502	0	17	0
Erikson Institute	553	2,068	815	178	125	0	950	0
U. of the Incarnate Word	554	2,064	1,078	0	886	8	92	0
Lafayette C.	555	2,059	1,300	0	605	32	110	12
Lake Superior State U.	556	2,056	1,184	125	569	83	0	95
Western New England U.	557	2,052	648	869	314	46	175	0
Palmer C. of Chiropractic, Davenport	558	2,050	1,550	0	500	0	0	0
U. Wisconsin-Oshkosh	559	1,990	1,336	72	546	36	0	0
Black Hills State U.	560	1,987	1,676	119	192	0	0	0
California State U., Stanislaus	561	1,966	1,056	243	176	464	27	0
CUNY, New York City C. of Technology	562	1,955	1,769	16	120	20	0	30
Monmouth U.	563	1,938	535	505	93	407	397	1
Elizabeth City State U.	564	1,934	1,667	206	NA	61	0	0
CUNY, York C.	565	1,912	1,659	0	189	0	64	0
Utah Valley U.	566	1,895	1,280	490	59	0	66	0
Seattle U.	567	1,894	1,143	52	471	3	225	0
Northern Michigan U.	568	1,888	571	90	723	0	291	213
Savannah State U.	568	1,888	1,881	7	0	0	0	0
Hamilton C.	570	1,879	338	0	1,039	0	410	92
Connecticut C.	571	1,875	620	0	1,252	0	0	3
New England C. of Optometry	572	1,868	1,609	52	108	88	11	0
Northwestern State U. Louisiana	573	1,848	742	838	268	0	0	0
U. of the Pacific	574	1,835	1,351	413	NA	18	53	0
Babson C.	575	1,825	45	0	650	140	281	709
U. Houston-Clear Lake	576	1,800	841	408	91	399	61	0
Elon U.	577	1,797	428	0	1,303	0	47	19

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2022

(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
Virginia Military Institute	578	1,746	1,137	221	378	0	10	0
Eastern Connecticut State U.	579	1,734	126	3	1,605	0	0	0
Skidmore C.	579	1,734	861	0	337	0	536	0
U. North Georgia	579	1,734	734	138	690	13	159	0
Florida Polytechnic U.	582	1,725	706	144	588	225	62	0
C. Wooster	583	1,717	737	0	797	0	183	0
Butler U.	584	1,691	1,227	0	216	113	135	0
Drake U.	584	1,691	1,211	89	150	177	64	0
Macalester C.	584	1,691	943	51	459	0	238	0
Stockton U.	587	1,657	728	180	720	3	26	0
Manhattan C.	588	1,641	440	316	367	518	0	0
U. Wisconsin-Eau Claire	589	1,628	681	396	278	243	24	6
Trinity C., Hartford	590	1,620	1,049	0	533	4	34	0
Alaska Pacific U.	591	1,607	581	0	0	1,015	0	11
U. Alaska, Southeast	592	1,570	1,392	28	43	24	64	19
Marshall B. Ketchum U.	593	1,559 i	383 i	0 i	779 i	397 i	0 i	0 i
SUNY, C. Brockport	594	1,500	751	166	435	23	43	82
U. Houston-Downtown	595	1,485	903	57	238	0	287	0
Union C., Schenectady	596	1,479	750	0	596	2	107	24
U. Puerto Rico, Humacao	597	1,448	1,160	0	288	0	0	0
U. Ana G. Mendez, Gurabo	598	1,419	1,407	0	12	0	0	0
East Stroudsburg U. Pennsylvania	599	1,410	598	44	149	0	619	0
Suffolk U.	600	1,401	340	0	996	0	65	0
U. Puerto Rico, Cayey	601	1,390	757	0	430	0	203	0
Indiana State U.	602	1,354	894	128	210	84	26	12
U. Wisconsin-Platteville	603	1,349 i	435 i	340 i	224 i	305 i	35 i	10 i
New Mexico Highlands U.	604	1,331 i	1,288 i	0 i	0 i	0 i	43 i	0 i
Kenyon C.	605	1,330	1,021	0	162	0	123	24
West Virginia School of Osteopathic Medicine	606	1,329	468	11	850	0	0	0
Albion C.	607	1,300 i	323 i	0 i	977 i	0 i	0 i	0 i
Marymount U.	608	1,298	178	31	965	66	58	0
Saint John's U.	608	1,298 i	0 i	0 i	1,298 i	0 i	0 i	0 i
Keck Graduate Institute	610	1,282	643	0	153	165	321	0
Whitman C.	611	1,270	434	25	617	0	194	0

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2022

(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		
Northland C.	612	1,265 i	778 i	35 i	192 i	0 i	260 i	0 i		
Texas A&M U.-San Antonio	613	1,242	394	119	570	22	60	77		
U. of Mary Washington	614	1,229	501	54	601	6	39	28		
C. of Saint Benedict	615	1,228 i	51 i	0 i	1,177 i	0 i	0 i	0 i		
SUNY, Cobleskill	616	1,211	379	828	0	4	0	0		
SUNY, Oswego	617	1,209	544	36	549	0	74	6		
Nevada State C.	618	1,191	1,167	0	22	0	2	0		
Heidelberg U.	619	1,184	262	661	246	0	15	0		
Clafin U.	620	1,179	1,179	0	0	0	0	0		
Bentley U.	621	1,161	509	0	0	0	652	0		
Canisius C.	622	1,160	454	0	0	0	706	0		
U. Hartford	623	1,090	886	17	117	6	64	0		
U. Puget Sound	624	1,051	780	0	174	0	97	0		
SUNY, C. Plattsburgh	625	1,043	584	46	334	0	57	22		
Central Connecticut State U.	626	1,035	511	58	459	0	4	3		
Ithaca C.	627	1,000	703	46	149	0	23	79		
Robert Morris U.	627	1,000 i	577 i	13 i	235 i	67 i	81 i	27 i		
St. Catherine U.	629	933	300	0	83	30	364	156		
Kettering U.	630	816	213	34	294	214	57	4		
Augustana U.	631	724	724	0	0	0	0	0		
Plymouth State U.	632	669	571	0	84	0	0	14		
Mercyhurst U.	633	661	82	387	59	108	6	19		
California Lutheran U.	634	627	298	0	116	178	35	0		
California State U., Maritime Academy	635	526	192	105	10	219	0	0		
Sonoran U. Health Sciences	636	520	0	0	20	500	0	0		
U. Charleston	637	217	217	0	0	0	0	0		

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

^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 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.

^d 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.

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 2022.