

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2021

(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	-	89,723,447	49,143,460	4,736,015	22,448,362	5,115,480	5,590,273	2,689,857
Johns Hopkins U. ^a	1	3,181,385	2,774,643	4,677	147,355	103,162	145,027	6,521
U. California, San Francisco	2	1,710,036	683,179	33,056	418,589	128,370	254,406	192,436
U. Michigan, Ann Arbor	3	1,639,645	891,125	2,066	581,768	91,117	63,650	9,919
U. Pennsylvania	4	1,631,950	792,089	20,733	511,958	190,755	111,885	4,530
U. Washington, Seattle	5	1,488,645	1,046,377	21,877	105,070	54,751	212,584	47,986
U. California, Los Angeles	6	1,454,880	721,043	71,014	302,528	87,959	194,232	78,104
U. California, San Diego	7	1,425,499	801,117	51,346	250,863	85,003	87,380	149,790
U. Wisconsin-Madison	8	1,380,075	646,764	135,923	412,540	31,502	117,817	35,529
Stanford U.	9	1,274,483	811,183	17,802	136,444	113,691	186,565	8,798
Harvard U.	10	1,254,008	616,589	5,137	384,197	55,357	172,327	20,401
Duke U.	11	1,237,686	776,632	1,073	153,692	187,864	98,223	20,202
Ohio State U.	12	1,236,111	559,797	45,862	425,597	129,914	50,022	24,919
U. North Carolina, Chapel Hill	13	1,205,883	747,895	9,550	304,506	48,938	79,885	15,109
Cornell U.	14	1,183,524	592,359	87,821	220,800	43,950	115,910	122,684
Yale U.	15	1,165,148	647,656	4,859	334,314	76,784	92,343	9,192
Texas A&M U., College Station and Health Science Center	16	1,147,720	528,057	198,483	313,192	32,978	45,135	29,875
U. Maryland ^b	17	1,142,264	713,283	42,597	307,481	30,638	43,450	4,815
U. Pittsburgh, Pittsburgh	18	1,135,416	724,993	9,484	255,241	33,240	65,217	47,241
U. Texas M. D. Anderson Cancer Center	19	1,124,971	217,073	293,325	233,279	211,849	32,741	136,704
Georgia Institute of Technology	20	1,114,481	852,319	107,465	71,780	56,015	23,558	3,344
Columbia U. in the City of New York	21	1,098,570	831,648	7,173	79,363	71,239	106,884	2,263
U. Minnesota, Twin Cities	22	1,072,961	570,946	69,842	309,620	44,460	45,879	32,214
New York U.	23	1,063,704	547,027	13,191	243,805	51,800	90,401	117,480
Vanderbilt U. and Vanderbilt U. Medical Center	24	1,019,273	586,880	2,897	313,810	81,360	31,526	2,800
Washington U., Saint Louis	25	989,214	606,127	1,471	188,980	105,176	85,060	2,400
Pennsylvania State U., University Park and Hershey Medical Center	26	970,544	622,532	46,993	216,134	33,787	26,230	24,868
U. Florida	27	959,965	423,154	161,448	266,197	31,394	46,582	31,190
U. Southern California	28	955,565	574,185	14,664	179,130	61,867	56,073	69,646
Massachusetts Institute of Technology	29	949,076	483,526	3,213	116,258	177,759	92,386	75,934
Northwestern U.	30	913,178	572,975	141	227,719	54,888	47,280	10,175
Emory U.	31	852,922	515,940	298	213,741	58,517	62,768	1,658

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2021

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
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U. California, Berkeley	32	846,872	354,478	40,383	185,077	71,696	137,896	57,342
Icahn School of Medicine at Mount Sinai	33	820,260	554,582	5,500	137,874	59,235	48,289	14,780
U. California, Davis	34	817,409	373,719	75,116	207,272	56,160	44,693	60,449
U. Texas, Austin	35	779,348	489,827	30,336	139,669	68,580	43,258	7,678
U. Arizona	36	770,031	353,117	28,604	234,514	24,601	31,045	98,150
U. Illinois, Urbana-Champaign	37	731,268	406,612	26,853	206,718	41,455	33,562	16,068
Baylor C. of Medicine	38	716,976	365,472	34,447	239,079	29,465	48,513	0
Michigan State U.	39	710,178	349,889	41,609	275,632	11,016	17,600	14,432
Indiana U., Bloomington	40	695,258	326,326	3,863	264,093	29,077	70,216	1,683
Purdue U., West Lafayette	41	679,482	295,278	37,369	211,557	64,364	25,857	45,057
Arizona State U.	42	677,303	274,541	43,390	258,139	23,580	56,958	20,695
Boston U.	43	652,096	402,443	501	160,347	20,071	45,146	23,588
U. Alabama, Birmingham	44	644,330	423,290	9,355	116,561	61,764	31,641	1,719
Rutgers, State U. New Jersey, New Brunswick	45	643,955	339,015	84,201	111,501	40,861	49,049	19,328
U. Texas Southwestern Medical Center	46	632,134	257,611	68,114	151,111	38,886	52,491	63,921
U. Utah	47	624,737	340,434	4,638	203,839	38,783	33,417	3,626
U. Virginia, Charlottesville	48	611,313	297,273	8,714	181,375	28,643	34,515	60,793
U. Colorado Anschutz Medical Campus ^c	49	562,855	363,999	25,162	69,836	48,309	45,580	9,969
U. Iowa	50	553,876	283,763	5,395	220,579	25,536	18,601	2
U. Cincinnati	51	551,826	309,097	7,234	145,772	39,228	38,816	11,679
U. Colorado Boulder	52	547,724	459,816	4,348	33,465	10,691	14,357	25,047
North Carolina State U.	53	547,118	239,115	127,290	126,142	49,478	4,806	287
Virginia Polytechnic Institute and State U.	54	542,045	216,733	60,571	220,645	32,964	5,050	6,082
U. California, Irvine	55	523,752	255,010	15,891	130,928	40,622	34,512	46,789
U. Chicago	56	497,651	394,275	3	32,174	38,215	32,167	817
U. Georgia	57	493,944	188,451	54,706	220,665	11,212	14,029	4,881
Scripps Research Institute	58	485,435	272,181	2,103	147,290	22,399	41,462	0
SUNY, Polytechnic Institute	59	465,273	25,427	206,962	77,753	150,915	456	3,760
Oregon Health and Science U.	60	452,812	329,016	1,007	44,030	40,991	37,168	600
Colorado State U., Fort Collins	61	447,197	303,901	28,559	76,610	11,979	19,536	6,612
California Institute of Technology	62	438,624	293,197	8,142	50,562	17,193	47,355	22,175
U. Illinois, Chicago	63	429,585	237,949	8,027	137,227	13,998	25,065	7,319
U. Kentucky	64	429,241	220,703	33,287	127,488	8,529	11,078	28,156

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Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2021

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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
SUNY, U. Buffalo	65	425,349	210,257	27,020	132,361	21,474	24,932	9,305
Case Western Reserve U.	66	421,868	340,438	4,557	50,526	4,035	19,766	2,546
U. Rochester	67	409,255	309,647	3,074	41,775	34,036	15,949	4,774
U. South Florida ^d	68	405,088	185,364	23,254	161,442	14,798	10,584	9,646
Princeton U.	69	404,448	205,000	281	86,675	20,200	57,700	34,592
Carnegie Mellon U.	70	402,376	234,993	3,675	114,892	34,473	10,503	3,840
U. Missouri, Columbia	71	388,779	163,576	39,936	157,031	14,488	8,801	4,947
U. Kansas	72	385,637	187,249	33,921	112,360	27,517	11,831	12,759
Uniformed Services U. of the Health Sciences	73	384,490	275,573	0	82,058	0	26,859	0
U. Oklahoma, Norman and Health Science Center	74	380,048	193,639	38,203	116,014	19,294	9,504	3,394
U. Miami	75	375,841	231,001	15,057	69,955	34,768	24,311	749
Virginia Commonwealth U.	76	364,096	160,995	31,893	144,356	12,494	14,358	0
Iowa State U.	77	360,275	169,177	34,097	122,844	19,837	9,644	4,676
Washington State U.	78	357,648	179,536	48,317	106,804	9,897	11,326	1,768
Rockefeller U.	79	357,543	96,318	656	218,134	3,210	38,301	924
U. Massachusetts, Medical School	80	347,337	248,873	5,405	49,135	16,669	19,542	7,713
U. New Mexico	81	332,566	242,212	8,359	62,426	4,253	14,088	1,228
Dartmouth C. and Dartmouth Hitchcock Medical Center	82	330,226	152,335	1,446	144,008	4,723	19,660	8,054
Florida State U.	83	328,604	150,108	20,583	143,790	3,033	3,764	7,326
Utah State U.	84	325,223	264,575	22,481	24,792	6,975	482	5,918
U. Tennessee, Knoxville	85	316,273	135,202	12,577	151,533	7,224	5,995	3,742
U. Texas Health Science Center, Houston	86	308,823	165,139	42,636	47,653	16,305	24,200	12,890
U. Nebraska, Lincoln	87	307,083	106,564	55,626	111,550	19,843	6,145	7,355
U. Connecticut	88	302,329	183,362	4,394	88,458	9,827	12,683	3,605
Albert Einstein C. of Medicine	89	301,715	214,619	1,764	67,563	4,184	13,585	0
Temple U.	90	299,778	153,316	8,876	90,467	22,560	18,260	6,299
Louisiana State U., Baton Rouge	91	296,673	103,178	70,166	98,424	11,492	5,959	7,454
Georgetown U.	92	279,932	130,419	1,405	51,440	16,888	57,585	22,195
Medical U. South Carolina	93	277,761	162,394	4,423	72,286	22,129	8,899	7,630
Oregon State U.	94	276,955	179,180	47,981	25,573	6,517	2,956	14,748
Medical C. Wisconsin	95	276,850	136,385	640	85,666	23,118	25,747	5,294
Brown U.	96	276,331	198,574	28	50,127	4,925	19,410	3,267
Mississippi State U.	97	275,143	116,713	88,418	58,242	3,257	6,994	1,519

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SUNY, Stony Brook U.	98	274,516	162,972	10,323	84,647	5,135	9,416	2,023
U. Hawaii, Manoa	99	271,768	157,772	20,742	78,176	2,660	11,138	1,280
Auburn U., Auburn	100	266,374	91,157	28,351	130,767	6,492	1,818	7,789
George Washington U.	101	266,108	161,349	2,296	63,225	4,155	26,131	8,952
Wake Forest U.	102	264,216	188,887	12,370	23,080	15,449	16,849	7,581
Woods Hole Oceanographic Institution	103	262,048	222,351	1,029	16,006	2,804	9,792	10,066
U. California, Santa Barbara	104	248,961	122,168	5,213	54,569	20,480	28,768	17,763
Florida International U.	105	246,075	105,309	19,445	111,950	2,311	6,437	623
U. Notre Dame	106	240,324	109,891	665	84,208	13,499	17,293	14,768
Clemson U.	107	237,485	89,883	25,748	98,955	16,178	6,562	159
Wayne State U.	108	235,519	117,976	9,594	72,758	4,228	26,574	4,389
U. Delaware	109	231,532	157,725	10,335	47,254	6,026	4,176	6,016
Tufts U.	110	224,956	166,809	3,242	15,442	8,655	26,955	3,853
U. Texas Health Science Center, San Antonio	111	219,734	106,824	25,110	51,848	10,085	25,548	319
U. Central Florida	112	218,596	109,310	11,703	76,091	11,489	5,025	4,978
U. South Carolina, Columbia	113	215,374	97,193	6,108	96,392	3,409	8,354	3,918
George Mason U.	114	214,207	103,712	3,387	65,041	5,910	30,643	5,514
U. Massachusetts, Amherst	115	213,824	116,349	8,595	71,954	7,710	5,479	3,737
Northeastern U.	116	211,342	143,421	2,227	44,964	9,547	10,718	465
Rice U.	117	207,404	95,648	7,372	62,352	7,123	30,638	4,271
Georgia State U.	118	206,472	79,834	6,353	105,546	615	11,938	2,186
Tulane U.	119	205,206	113,819	4,442	49,660	8,279	15,569	13,437
Kansas State U.	120	203,846	77,779	42,139	68,224	6,671	7,814	1,219
U. Houston	121	202,536	77,489	35,530	71,291	7,745	7,309	3,172
U. Nebraska, Medical Center	122	200,974	111,042	11,950	38,843	9,286	14,356	15,497
Thomas Jefferson U.	123	200,393	109,448	2,542	47,728	18,591	10,704	11,380
U. Louisville	124	200,362	97,179	7,351	65,375	9,846	7,685	12,926
West Virginia U.	125	199,907	89,802	9,993	72,419	4,505	5,949	17,239
Oklahoma State U., Stillwater	126	198,799	47,428	21,258	117,732	9,786	2,322	273
Texas Tech U.	127	197,739	33,938	27,357	108,999	12,221	14,929	295
U. Vermont	128	195,320	103,554	727	74,407	1,989	8,801	5,842
U. Arkansas for Medical Sciences	129	194,709	83,387	24,809	63,526	13,493	4,730	4,764
Montana State U., Bozeman	130	193,577	113,257	17,738	52,653	2,084	4,742	3,103

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Wichita State U.	131	192,042	77,427	6,161	20,493	86,621	297	1,043
U. Dayton	132	191,228	181,445	425	2,288	6,277	272	521
U. California, Riverside	133	189,600	97,182	11,424	49,131	6,809	7,703	17,351
U. Texas Medical Branch	134	185,759	117,915	7,739	39,565	8,424	12,116	0
U. Louisiana, Lafayette	135	181,400	65,436	7,472	40,891	67,346	255	0
U. Nevada, Reno	136	175,386	77,246	7,001	74,924	2,919	1,698	11,598
U. Alaska, Fairbanks	137	172,957	128,229	1,956	36,765	2,534	1,758	1,715
U. New Hampshire	138	167,373	99,323	7,547	47,286	7,870	3,511	1,836
New Jersey Institute of Technology	139	166,587	77,057	13,030	60,952	1,278	6,242	8,028
U. Arkansas, Fayetteville	140	164,443	48,534	50,207	51,933	6,561	6,257	951
North Dakota State U.	141	164,050	42,824	43,787	69,112	1,508	536	6,283
U. California, Santa Cruz	142	160,615	86,263	4,943	31,668	7,273	16,325	14,143
Drexel U.	143	152,752	93,517	4,601	36,063	3,196	8,682	6,693
Syracuse U.	144	151,717	34,200	4,328	96,162	6,481	10,501	45
U. Alabama, Huntsville	145	149,792	116,971	4,743	26,294	688	610	486
U. Maine	146	146,801	65,249	17,875	56,407	3,612	2,857	801
U. Texas, San Antonio	147	145,362	42,952	17,629	67,130	5,196	9,854	2,601
U. North Dakota	148	143,506	58,463	34,750	41,133	8,194	740	226
U. Oregon	149	139,193	82,242	769	48,194	1,611	5,448	929
U. Alabama, Tuscaloosa	150	129,509	53,880	15,693	55,682	2,679	1,291	284
U. Rhode Island	151	129,296	78,923	7,798	37,252	2,060	2,034	1,229
U. Texas, Arlington	152	126,477	46,946	19,262	49,685	3,006	6,131	1,447
SUNY, Binghamton U.	153	124,565	23,225	6,737	89,466	3,399	962	776
U. Texas, Dallas	154	122,825	58,249	11,065	29,308	6,581	17,622	0
U. Montana, Missoula	155	121,571	70,686	907	46,982	601	2,017	378
Rensselaer Polytechnic Institute	156	119,056	52,465	3,714	40,932	16,432	1,917	3,596
Augusta U.	157	116,480	61,943	200	46,412	3,282	4,531	112
U. Mississippi	158	116,175	76,886	4,165	28,869	2,600	3,165	490
Cold Spring Harbor Laboratory	159	114,903	56,907	21	35,757	3,333	18,885	0
SUNY, U. Albany	160	114,501	56,425	1,749	49,949	573	2,735	3,070
New Mexico State U.	161	110,580	64,699	22,094	13,581	2,562	1,982	5,662
U. Tennessee, Health Science Center	162	109,562	56,021	5,433	30,132	3,708	7,514	6,754
U. Texas, El Paso	163	109,410	43,930	19,841	34,866	994	3,441	6,338

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San Diego State U.	164	107,681	43,473	4,107	56,085	523	2,340	1,153
Brandeis U.	165	107,549	52,147	404	34,998	1,418	9,045	9,537
Rush U.	166	107,398	73,279	1,338	9,645	15,329	7,807	0
U. Idaho	167	105,895	51,021	33,391	16,337	1,794	586	2,766
U. Nevada, Las Vegas	168	101,009	27,178	2,902	67,657	905	467	1,900
U. Massachusetts, Lowell	169	94,708	48,179	4,201	36,562	3,444	1,664	658
U. Wyoming	170	93,202	54,444	4,681	26,166	6,088	1,756	67
U. Maryland, Baltimore County	171	84,418	59,882	7,220	12,334	1,860	1,979	1,143
Michigan Technological U.	172	81,715	41,505	576	30,768	7,078	422	1,366
Colorado School of Mines	173	81,443	61,421	1,351	3,657	9,036	1,990	3,988
U. North Texas, Denton	174	81,252	18,702	5,567	53,591	1,992	1,329	71
Saint Louis U.	175	79,005	41,411	548	24,824	3,614	8,537	71
Texas State U.	176	72,510	31,116	3,949	31,792	765	4,888	0
Cleveland State U.	177	71,451	47,402	1,458	16,391	1,755	4,303	142
Northern Arizona U.	178	69,129	41,744	10,179	14,963	839	1,286	118
William & Mary	179	68,801	29,928	3,895	28,188	543	4,453	1,794
U. Southern Mississippi	180	67,417	44,401	11,576	9,499	1,239	655	47
U. Memphis	181	67,092	21,578	7,208	34,139	814	3,142	211
American U.	182	65,912	12,076	513	42,117	774	9,199	1,233
Van Andel Research Institute	183	65,789	22,231	703	32,688	90	3,610	6,467
Indiana U.-Purdue U., Indianapolis	184	65,330	30,290	687	27,359	1,855	4,970	169
Boston C.	185	65,156	34,257	1,632	12,870	522	15,071	804
Naval Postgraduate School	186	65,101	54,855	0	9,608	264	62	312
U. Massachusetts, Boston	187	63,723	23,673	7,113	25,532	2,222	4,829	354
Old Dominion U.	188	62,332	25,514	17,685	14,098	918	3,565	552
San Jose State U.	189	60,100	30,877	7,617	19,350	1,080	1,071	105
Florida Atlantic U.	190	58,471	28,510	5,852	13,984	2,762	4,968	2,395
U. Texas Rio Grande Valley	191	58,187	13,018	6,945	29,053	265	8,701	205
CUNY, City C.	192	57,361	34,218	9,824	11,311	691	1,045	272
Rochester Institute of Technology	193	56,043	31,187	5,213	15,139	2,563	558	1,383
U. Wisconsin-Milwaukee	194	55,664	24,397	15,783	11,939	1,596	924	1,025
Missouri U. of Science and Technology	195	54,437	26,164	172	19,872	4,007	616	3,606
U. Toledo	196	53,169	32,601	884	14,308	2,718	2,592	66

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Howard U.	197	52,412	35,443	1,176	12,094	2,860	839	0
Mercer U.	198	51,989	34,413	76	9,056	5,342	82	3,020
U. North Carolina, Charlotte	199	51,877	27,145	9,921	11,654	2,349	753	55
East Carolina U.	200	51,662	22,813	787	21,450	4,387	1,858	367
South Dakota State U.	201	51,542	18,607	15,713	3,929	1,304	2,820	9,169
U. Maryland Center for Environmental Science	202	51,201	14,072	25,740	8,670	496	1,636	587
U. California, Office of the President	203	50,848	653	29,282	20,864	0	0	49
U. North Texas, Health Science Center	204	50,698	32,464	9,224	6,615	1,633	626	136
Kent State U.	205	50,408	15,179	1,379	31,409	573	1,700	168
Ohio U.	206	49,764	19,164	883	24,765	3,433	1,040	479
Baylor U.	207	48,809	11,025	1,892	26,678	3,116	4,510	1,588
Worcester Polytechnic Institute	208	48,702	30,166	1,262	9,301	3,296	2,533	2,144
U. South Alabama	209	47,610	23,758	345	19,099	3,466	211	731
Southern Illinois U., Carbondale	210	47,210	12,655	492	25,725	7,901	437	0
Florida A&M U.	211	47,124	36,761	5,741	3,886	566	170	0
Boise State U.	212	46,065	31,357	2,402	10,836	576	670	224
U. California, Merced	213	45,964	18,621	7,048	14,224	373	1,290	4,408
Air Force Institute of Technology	214	45,703	27,025	0	18,015	663	0	0
SUNY, Upstate Medical U.	215	44,870	24,974	2,333	9,193	4,314	2,647	1,409
Louisiana State U., Health Sciences Center, New Orleans	216	44,370	34,272	244	3,743	2,800	3,178	133
U. Puerto Rico, Medical Sciences Campus	217	44,111	33,262	1,838	6,320	2,688	0	3
Loyola U., Chicago	218	44,036	26,793	188	8,941	3,359	3,695	1,060
Brigham Young U., Provo	219	43,916	30,439	1,217	6,514	3,592	1,772	382
Stevens Institute of Technology	220	43,386	33,998	1,642	5,491	1,403	675	177
Southern Methodist U.	221	41,960	17,886	1,039	18,643	2,072	2,144	176
Texas Tech U., Health Sciences Center	222	41,583	12,148	16,670	8,153	342	1,268	3,002
Portland State U.	223	41,311	29,842	3,576	4,722	847	1,724	600
Lehigh U.	224	41,279	29,051	2,243	8,806	531	613	35
North Carolina Agricultural and Technical State U.	225	40,751	25,755	542	14,005	149	257	43
U. Denver	226	38,751	23,415	951	6,869	1,740	5,281	495
Georgia Southern U.	227	37,201	3,373	259	29,635	3,482	452	0
Marquette U.	228	37,087	13,918	365	14,809	947	2,042	5,006
U. North Carolina, Greensboro	229	37,033	24,423	363	10,842	106	401	898

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2021

(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. West Florida	230	36,837	13,313	170	22,485	614	255	0
San Francisco State U.	231	35,768	15,993	2,305	16,710	0	743	17
Catholic U. of America	232	35,548	23,128	150	5,753	624	1,013	4,880
SUNY, Downstate Health Sciences U.	233	34,459	27,620	23	5,397	354	950	115
U. Missouri, Kansas City	234	33,855	21,203	122	9,896	451	763	1,420
CUNY, Hunter C.	235	33,816	23,166	2,359	7,156	85	471	579
Morehouse School of Medicine	236	32,637	25,181	611	3,622	0	3,223	0
U.S. Air Force Academy	237	32,086	31,818	0	200	68	0	0
Texas A&M U.-Corpus Christi	238	30,500	10,967	9,110	4,589	603	2,642	2,589
Illinois Institute of Technology	239	29,698	24,762	291	2,080	1,074	861	630
U. Puerto Rico, Rio Piedras	240	28,896	15,108	150	13,026	181	348	83
New Mexico Institute of Mining and Technology	241	28,745	24,900	631	1,654	1,236	191	133
U. Massachusetts, Dartmouth	242	28,729	8,223	1,422	16,908	1,488	513	175
SUNY, C. of Environmental Science and Forestry	243	28,440	6,979	12,203	7,152	580	752	774
U. Texas Health Science Center, Tyler	244	27,928	12,007	6,884	3,545	111	5,381	0
U. South Dakota	245	27,537	11,664	1,772	13,629	0	472	0
Louisiana Tech U.	246	27,417	6,428	2,767	15,465	937	0	1,820
Tennessee State U.	247	26,880	20,378	455	5,986	43	18	0
Rowan U.	248	26,458	17,400	4,442	2,700	677	1,239	0
Desert Research Institute	249	26,365	16,641	378	3,572	521	4,109	1,144
Wright State U.	250	26,259	19,617	584	4,999	415	582	62
California Polytechnic State U., San Luis Obispo	251	25,953	11,163	2,537	9,139	1,053	2,003	58
Chapman U.	252	25,820	8,574	612	10,273	567	5,766	28
Western Michigan U. and Homer Stryker M.D. School of Medicine	253	25,314	13,944	1,074	7,033	1,697	547	1,019
Northern Illinois U.	254	25,261	9,080	899	14,630	155	467	30
Miami U.	255	25,138	9,412	1,610	12,023	1,249	508	336
Villanova U.	256	24,723	5,826	1,372	15,623	381	1,368	153
Louisiana State U., Health Sciences Center, Shreveport	257	24,600	12,359	19	8,765	297	3,160	0
Nova Southeastern U.	258	24,513	10,386	3,636	9,152	486	629	224
Teachers C., Columbia U.	259	24,335	8,521	700	NA	1,700	10,914	2,500
Illinois State U.	260	24,152	9,787	746	12,813	25	772	9
Rutgers, State U. New Jersey, Newark	261	23,854	16,281	573	5,723	8	879	390
U. Minnesota, Duluth	262	23,767	5,325	6,341	11,624	381	77	19

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2021

(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 State U., Sacramento	263	23,699	5,582	11,012	5,344	147	508	1,106
Marshall U.	264	23,620	12,854	1,040	8,589	226	911	0
Texas A&M U.-Kingsville	265	23,578	9,265	4,652	3,614	353	5,468	226
Ponce Health Sciences U.	266	23,297	18,284	685	2,472	1,683	173	0
Creighton U.	267	23,251	8,585	4,347	7,115	1,478	542	1,184
Florida Institute of Technology	268	23,195	13,049	1,743	6,485	824	703	391
Delaware State U.	269	23,193	16,460	2,432	4,094	195	12	0
Middle Tennessee State U.	270	22,531	4,150	480	16,884	259	758	0
Albany Medical C.	271	22,443	13,166	0	3,324	3,788	709	1,456
Central Michigan U.	272	21,726	6,919	26	13,477	109	952	243
Tuskegee U.	273	21,355	15,424	2,676	2,724	0	0	531
U. Alaska, Anchorage	274	21,332	15,079	1,631	3,747	348	356	171
U. Nebraska, central administration	275	21,295	20,675	250	0	50	250	70
Morgan State U.	276	20,628	16,319	2,782	389	225	571	342
Oakland U.	277	20,261	7,426	1,694	8,499	1,023	1,423	196
California State U., East Bay	278	20,108	9,275	1,443	7,470	1,033	349	538
Embry-Riddle Aeronautical U.	279	19,830	14,859	103	1,365	1,195	426	1,882
U.S. Military Academy	280	19,696	13,708	0	3,980	45	268	1,695
Eastern Virginia Medical School	281	19,415	14,774	176	2,384	1,298	783	0
U. Nebraska, Omaha	282	19,006	13,503	1,855	3,125	201	177	145
Kennesaw State U.	283	18,880	3,104	619	13,722	318	1,032	85
New York Medical C.	284	18,872	10,739	1,098	794	4,002	1,503	736
Bowling Green State U.	285	18,619	7,263	1,333	9,178	84	754	7
East Tennessee State U.	286	18,449	8,358	20	4,902	134	4,785	250
U. Puerto Rico, Mayaguez	287	18,368	13,073	33	5,148	37	0	77
Southern Illinois U., Edwardsville	288	18,044	3,844	71	13,848	221	22	38
U. Colorado Denver ^C	289	18,039	11,866	3,047	804	493	1,671	158
Tarleton State U.	290	17,729	4,620	3,749	8,949	263	148	0
U. Guam	291	17,666	14,316	1,705	1,465	24	156	0
Prairie View A&M U.	292	17,582	9,566	4,041	3,421	115	439	0
Montclair State U.	293	17,390	4,146	543	10,479	41	2,163	18
U. Akron	294	17,340	9,024	442	4,217	2,093	653	911
U. New Orleans	295	16,979	3,674	748	10,069	372	1,159	957

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2021

(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
Clarkson U.	296	16,765	7,246	1,426	5,725	1,147	871	350
Fordham U.	297	16,731	4,076	25	10,871	83	1,011	665
U. North Carolina, Wilmington	298	16,656	6,852	5,748	2,150	867	951	88
California State U., Northridge	299	16,573	13,989	353	1,051	81	1,099	0
U. Tulsa	300	16,449	5,876	361	2,454	7,397	320	41
Jackson State U.	301	16,157	14,038	0	1,426	198	473	22
CUNY, Queens C.	302	16,063	12,386	1,241	1,776	149	425	86
Meharry Medical C.	303	15,840	13,784	0	565	1	1,490	0
U. North Florida	304	15,782	7,267	1,297	7,084	47	64	23
South Dakota School of Mines and Technology	305	15,746	11,587	1,345	1,944	569	76	225
CUNY, Advanced Science Research Center	306	15,403	11,840	357	1,943	251	702	310
Tennessee Technological U.	307	15,387	7,625	4,363	3,008	111	76	204
Texas Christian U.	308	15,336	4,448	438	8,684	1,670	23	73
U. of the Virgin Islands	309	15,231	13,099	1,818	17	142	155	0
California State U., Long Beach	310	15,134	11,178	877	1,113	195	528	1,243
Long Island U.	311	15,059	2,686	0	12,040	36	271	26
CUNY, Graduate School of Public Health and Health Policy	312	15,035	12,254	76	1,206	0	1,343	156
Montana Technological U.	313	14,933	6,133	5,658	2,739	402	0	1
James Madison U.	314	14,687	2,379	349	11,111	330	507	11
U. Baltimore	315	14,672	11,692	1,907	NA	0	745	328
U. Missouri, Saint Louis	316	14,632	5,812	5	5,549	96	2,804	366
New School	317	14,281	1,324	86	2,762	30	7,709	2,370
Alcorn State U.	318	14,188	7,593	4,457	2,103	6	29	0
North Carolina Central U.	319	14,105	10,676	976	NA	503	844	1,106
Humboldt State U.	320	14,103	1,975	3,971	3,818	164	2,108	2,067
Loma Linda U.	321	14,029	10,116	444	1,932	241	1,160	136
Idaho State U.	322	13,953	7,216	1,982	3,937	387	264	167
Northeast Ohio Medical U.	323	13,853	9,999	14	3,182	0	658	0
Rosalind Franklin U. of Medicine and Science	324	13,805	9,357	0	3,219	520	705	4
Western Washington U.	325	13,450	4,290	1,107	6,665	137	1,203	48
Sam Houston State U.	326	13,315	5,632	232	6,985	29	416	21
Charles R. Drew U. of Medicine and Science	327	13,228	9,945	151	2,834	0	298	0
U. Hawaii, system office	328	12,918	12,688	17	213	0	0	0

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2021

(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
Loyola Marymount U.	329	12,819	2,170	1,393	8,148	20	1,088	0
Xavier U. Louisiana	330	12,799	11,213	709	702	0	175	0
CUNY, John Jay C. of Criminal Justice	331	11,791	3,519	3,037	2,521	37	2,597	80
Hampton U.	332	11,669	11,517	0	152	0	0	0
California State U., San Bernardino	333	11,607	5,867	2,928	2,652	20	140	0
Texas Tech U., Health Sciences Center, El Paso	334	11,360	1,831	2,829	6,064	395	241	0
U. Tennessee, Chattanooga	335	11,192	4,507	705	5,296	65	223	396
Rhode Island C.	336	10,990	4,894	5,593	64	0	439	0
Midwestern U.	337	10,961	1,506	22	9,040	178	215	0
U.S. Naval Academy	338	10,818	10,247	0	169	0	402	0
Salisbury U.	339	10,552	3,271	3,604	3,567	8	102	0
Duquesne U.	340	10,521	5,020	1,138	2,788	146	1,429	0
California State U., San Marcos	341	10,213	8,831	1,110	267	0	5	0
Virginia State U.	342	10,123	4,846	2,278	2,602	0	397	0
Missouri State U.	343	10,014	8,931	196	735	132	20	0
West Texas A&M U.	344	9,920	2,195	5,258	1,554	832	31	50
St. Edward's U.	345	9,527	7,600	800	1,030	15	31	51
California State U., Los Angeles	346	9,382	7,342	108	1,561	0	371	0
California State U., Fresno	347	9,213	4,101	1,086	2,278	186	1,232	330
Texas Southern U.	348	9,128	5,562	760	2,692	0	114	0
Alabama A&M U.	349	9,065	5,967	2,534	447	117	0	0
California State U., Fullerton	350	9,006	4,551	251	3,904	97	203	0
Bryn Mawr C.	351	8,987	1,429	0	7,285	18	255	0
Clark Atlanta U.	352	8,892	5,355	0	3,435	57	45	0
Ball State U.	353	8,826	2,469	266	5,153	702	236	0
Kentucky State U.	354	8,756	3,716	4,870	0	72	98	0
Central State U.	355	8,751	4,165	2,866	1,720	0	0	0
U. Arkansas, Pine Bluff	356	8,713	3,960	2,216	2,502	0	35	0
U. Maryland, Eastern Shore	357	8,636	8,346	153	10	19	0	108
Arkansas State U., Jonesboro	358	8,422	4,249	3,103	721	349	0	0
U. Washington, Bothell	359	8,311	2,956	86	814	0	4,386	69
Florida Gulf Coast U.	360	8,197	4,467	3,160	0	136	434	0
Winston-Salem State U.	361	8,123	4,841	1,690	NA	0	1,077	515

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2021

(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 the District of Columbia	362	8,104	6,851	1,253	0	0	0	0
Wesleyan U.	363	8,009	4,032	0	3,004	62	854	57
Clark U.	364	7,931	2,754	74	3,633	0	1,431	39
William Paterson U.	365	7,867	1,893	25	5,678	11	113	147
Oklahoma State U., Center for Health Sciences	366	7,758	2,304	127	5,241	56	30	0
Lincoln U., Jefferson City	367	7,621	5,621	2,000	NA	0	0	0
U. San Diego	368	7,580	2,554	26	4,203	0	414	383
U. Michigan, Dearborn	369	7,472	2,366	22	2,794	1,911	271	108
U. Hawaii, Hilo	370	7,411	5,510	53	1,260	166	421	1
U. Arkansas, Little Rock	371	7,397	6,939	79	3	139	94	143
Claremont Graduate U.	372	7,235	1,152	306	1,275	1,518	2,355	629
Eastern Michigan U.	373	7,233	2,237	185	4,618	71	119	3
U. Oklahoma, Tulsa	374	7,185	1,267	493	4,182	72	696	475
California State Polytechnic U., Pomona	375	7,011	4,396	846	1,469	141	159	0
Western Kentucky U.	376	6,944	2,348	377	4,035	105	60	19
California State U., Monterey Bay	377	6,882	3,813	1,277	1,610	3	172	7
Grand Valley State U.	378	6,809	1,415	418	3,398	0	1,023	555
Western U. of Health Sciences	379	6,688	5,620	312	124	365	260	7
DePaul U.	380	6,675	4,518	150	1,120	203	666	18
Edward Via C. of Osteopathic Medicine	381	6,629	537	0	5,879	31	182	0
West Virginia State U.	382	6,565	4,119	1,566	877	0	3	0
C. Charleston	383	6,361	4,126	304	1,458	0	377	96
Langston U.	384	6,345	3,089	2	2,645	609	0	0
CUNY, Brooklyn C.	385	6,318	4,505	64	1,242	105	339	63
California State U., Bakersfield	386	6,253	3,827	215	2,160	0	51	0
Wellesley C.	387	6,252	3,469	204	NA	138	2,024	417
U. New England	388	6,234	3,864	6	2,022	89	253	0
Philadelphia C. of Osteopathic Medicine	389	6,186	318	55	2,837	1,220	1,756	0
Indiana U. Pennsylvania	390	6,180	1,503	331	3,718	7	607	14
Southern U. and A&M C., Agricultural Research and Extension Center	391	6,164	3,588	2,556	20	0	0	0
Gallaudet U.	392	6,126	2,140	192	3,049	0	327	418
U. Central Oklahoma	393	5,997	1,516	644	3,761	73	3	0
Roseman U. of Health Sciences	394	5,985	53	0	5,775	65	1	91

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2021

(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
Southern Connecticut State U.	395	5,750	713	90	4,245	0	473	229
Purdue U., Northwest	396	5,647	2,280	531	1,536	667	93	540
Hofstra U.	397	5,545	1,266	92	4,023	0	162	2
Naval War C.	398	5,542	5,542	0	0	0	0	0
Pennsylvania State U., Behrend	399	5,509	2,286	428	1,157	494	1,142	2
U. Southern Maine	400	5,480	2,020	2,903	301	0	190	66
Colorado C.	401	5,467	3,725	385	575	0	782	0
Yeshiva U.	402	5,452	1,509	0	2,843	0	256	844
U. Colorado Colorado Springs	403	5,338	3,942	504	338	518	36	0
Seton Hall U.	404	5,320	2,137	1,977	730	95	381	0
Azusa Pacific U.	405	5,318	212	59	4,893	2	152	0
U. of Health Sciences and Pharmacy in St. Louis	406	5,313	4,063	0	759	462	29	0
Des Moines U.	407	5,258 i	485 i	266 i	4,247 i	3 i	257 i	0 i
Hope C.	408	5,211	1,992	493	1,463	0	1,207	56
U. of St. Thomas (MN)	409	5,146	1,321	66	1,213	1,690	559	297
Rutgers, State U. New Jersey, Camden	410	5,142	2,905	16	1,423	123	612	63
Reed C.	411	5,132 i	1,916 i	32 i	2,782 i	0 i	291 i	111 i
High Tech High Graduate School of Ed.	412	5,032	0	0	0	0	5,032	0
Toyota Technological Institute, Chicago	413	4,967	3,090	0	1,602	232	43	0
Southern U. and A&M C., Baton Rouge	414	4,943	3,770	95	374	704	0	0
Texas Woman's U.	414	4,943	1,514	1,853	893	75	608	0
Williams C.	416	4,902 i	1,152 i	0 i	1,625 i	0 i	134 i	1,991 i
U. North Carolina, Asheville	417	4,844	2,322	346	440	30	1,706	0
Fort Valley State U.	418	4,842	4,429	42	371	0	0	0
Lamar U.	419	4,734	1,873	2,047	65	145	500	104
Pacific U.	420	4,690	2,072	269	1,480	100	769	0
U.S. Army War C.	421	4,662 i	4,662 i	0 i	0 i	0 i	0 i	0 i
Amherst C.	422	4,636	1,375	0	1,895	0	71	1,295
Barnard C.	423	4,632	3,527	0	718	22	365	0
Abilene Christian U.	424	4,597	827	0	199	3,546	25	0
U. Detroit Mercy	425	4,578	3,917	0	649	12	0	0
Morehouse C.	426	4,533	4,533	0	0	0	0	0
Claremont McKenna C.	427	4,515	637	0	3,548	0	330	0

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2021

(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
Appalachian State U.	428	4,509	1,694	229	2,106	365	115	0
Bucknell U.	429	4,476	1,696	0	1,439	311	203	827
New York Institute of Technology	430	4,465	1,988	142	2,069	0	266	0
West Chester U. Pennsylvania	431	4,433	608	66	3,540	27	119	73
U. Wisconsin-Stevens Point	432	4,401	1,776	1,010	1,289	12	121	193
Fisk U.	433	4,320	3,940	24	0	0	356	0
Norfolk State U.	434	4,316	3,976	0	0	52	35	253
Oregon Institute of Technology	435	4,314	252	3,792	NA	94	176	0
U. Washington, Tacoma	436	4,291	3,459	349	234	0	99	150
CUNY, Graduate Center	437	4,265	2,496	128	87	0	980	574
California State U., Chico	438	4,209	2,258	792	505	69	128	457
CUNY, Lehman C.	439	4,181	3,382	0	419	171	102	107
Grinnell C.	440	4,122	344	0	3,379	0	192	207
Smith C.	441	4,085	2,433	16	1,118	74	436	8
U. New Haven	442	4,069	2,069	434	209	418	832	107
U. North Carolina, general administration	443	4,024	408	3,616	0	0	0	0
U. of the Sciences Philadelphia	444	4,005	1,320	213	1,170	1,155	147	0
U. Central Arkansas	445	3,990	1,640	869	1,281	0	200	0
Fayetteville State U.	446	3,933	1,988	519	1,238	128	60	0
South Carolina State U.	446	3,933	3,933	NA	NA	NA	NA	NA
Murray State U.	448	3,844	2,721	21	982	120	0	0
Haverford C.	449	3,835	2,455	0	631	0	308	441
U. Central del Caribe	450	3,831	2,492	223	1,050	0	0	66
Texas A&M U.-Commerce	451	3,827	1,283	76	2,300	8	141	19
Carleton C.	452	3,800	1,499	6	1,948	0	229	118
Towson U.	453	3,794	1,758	153	1,608	42	181	52
National Defense U.	454	3,786	3,786	0	0	0	0	0
Memorial Sloan Kettering Cancer Center, Louis V. Gerstner Jr. Graduate S. of Biomedical Sciences	455	3,776	376	0	3,337	0	26	37
Texas A&M International U.	456	3,740	1,243	797	965	85	628	22
Franklin and Marshall C.	457	3,722	1,363	209	1,622	279	61	188
Albany C. of Pharmacy and Health Sciences	458	3,687	1,900	0	963	715	109	0
Pace U.	459	3,649	2,536	0	819	1	293	0

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2021

(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
Occidental C.	460	3,587	2,348	395	NA	392	452	0
U. Massachusetts, central office	461	3,541	342	2,417	256	1	504	21
Kean U.	462	3,538	362	318	2,783	70	5	0
Western Illinois U.	463	3,532	3,163	4	86	176	48	55
U. Texas of the Permian Basin	464	3,504	1,762	460	522	54	706	0
Touro U.	465	3,489	1,377	0	2,091	20	1	0
SUNY, C. of Optometry	466	3,460	2,105	0	437	907	10	1
Dakota State U.	467	3,416	2,603	218	376	201	0	18
Northern Kentucky U.	468	3,403	2,156	13	774	2	458	0
U. Virginia's C. Wise	469	3,310	1,307	1,267	718	0	9	9
Colgate U.	470	3,306	1,440	0	1,515	75	261	15
Swarthmore C.	471	3,296	1,414	0	1,571	1	310	0
U. Northern Iowa	472	3,259	1,995	530	654	0	80	0
Stephen F. Austin State U.	473	3,204	1,029	1,323	543	13	164	132
U. Nebraska, Kearney	474	3,201	1,327	746	1,081	37	10	0
Milwaukee School of Engineering	475	3,193	751	10	54	2,377	1	0
U. Northern Colorado	476	3,159	1,942	46	945	8	218	0
Santa Clara U.	477	3,142	1,930	118	NA	558	536	0
MGH Institute of Health Professions	478	3,037	2,500	0	30	0	507	0
U. Wisconsin-La Crosse	479	3,001	895	862	807	365	63	9
Colorado State U., Pueblo	480	2,990	1,508	1,244	201	0	0	37
Sonoma State U.	481	2,957	2,212	366	261	69	49	0
St. John's U., New York	482	2,940	1,950	0	254	200	393	143
Pennsylvania State U., Harrisburg	483	2,938	1,616	340	525	191	211	55
Middlebury C.	484	2,927	2,639	0	17	0	261	10
Saint Joseph's U.	485	2,922	1,158	673	872	134	85	0
Trinity U.	486	2,905	1,078	29	812	5	913	68
CUNY, C. Staten Island	487	2,860	2,234	165	277	0	76	108
Western Carolina U.	488	2,847	1,697	309	655	137	49	0
Northwest Indian C.	489	2,806	2,621	0	32	0	153	0
California State U., Maritime Academy	490	2,799	548	131	18	2,102	0	0
Youngstown State U.	491	2,775	2,198	206	278	77	16	0
Austin Peay State U.	492	2,740	597	1,263	859	0	12	9

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2021

(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
Pittsburg State U.	493	2,730	759	1,001	NA	969	1	0
California State U., Dominguez Hills	494	2,690	2,001	19	670	0	0	0
Alfred U.	495	2,660	939	1,040	449	149	83	0
Christopher Newport U.	496	2,656	1,497	2	919	89	149	0
Pepperdine U.	497	2,655	835	16	1,444	0	355	5
Alabama State U.	498	2,631	2,338	0	0	287	6	0
Bates C.	499	2,620	2,079	0	188	0	165	188
U. Illinois, Springfield	500	2,612	1,071	670	839	0	32	0
U. Wisconsin-Superior	501	2,602	1,843	148	490	16	42	63
Winthrop U.	502	2,586	1,495	351	632	3	105	0
Pratt Institute	503	2,547	294	835	38	0	1,380	0
Dillard U.	504	2,528	1,257	0	1,271	0	0	0
CUNY, Baruch C.	505	2,521	1,691	0	531	0	204	95
Purdue U., Fort Wayne	506	2,495	401	513	818	141	50	572
Davidson C.	507	2,466	1,151	7	771	24	421	92
Johnson C. Smith U.	508	2,461	2,365	52	0	4	40	0
Furman U.	509	2,431	1,028	2	1,259	15	77	50
Saginaw Valley State U.	510	2,428	1,899	0	394	5	114	16
Bowdoin C.	511	2,417	1,836	6	440	0	135	0
Central Washington U.	512	2,410	1,778	185	346	55	46	0
Framingham State U.	513	2,401	188	0	0	81	2,132	0
St. Cloud State U.	514	2,379	577	429	725	403	245	0
Harvey Mudd C.	515	2,359	1,443	0	695	11	98	112
California State U., Channel Islands	516	2,341	993	611	542	186	9	0
Skidmore C.	517	2,335	1,739	0	245	0	351	0
Marymount U.	518	2,307	337	125	1,779	0	66	0
U. Richmond	519	2,294	1,534	0	370	0	390	0
Spelman C.	520	2,282	1,886	0	279	117	0	0
Lewis and Clark C.	521	2,281	702	0	1,319	0	260	0
U. Texas, Tyler	522	2,279	929	153	649	238	252	58
Keck Graduate Institute	523	2,254	1,201	0	697	144	35	177
Coastal Carolina U.	524	2,245	948	864	391	0	42	0
Palmer C. of Chiropractic, Davenport	525	2,233	1,733	0	500	0	0	0

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2021

(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. Louisiana, Monroe	526	2,198	1,465	569	8	0	156	0
Minnesota State U., Mankato	527	2,170	575	154	1,147	0	184	110
Pomona C.	528	2,146	930	9	1,140	0	67	0
Sul Ross State U.	529	2,143 i	505 i	130 i	123 i	26 i	810 i	549 i
Grambling State U.	530	2,124	731	595	798	0	0	0
Tougaloo C.	531	2,092 i	2,092 i	0 i	0 i	0 i	0 i	0 i
California State U., Stanislaus	532	2,085	1,354	104	112	504	11	0
SUNY, Geneseo	533	2,070	1,273	10	780	0	7	0
Citadel Military C. South Carolina	534	2,054	1,714	53	174	80	27	6
Suffolk U.	535	2,043	634	0	1,261	0	148	0
U. South Carolina, Aiken	536	2,042	1,884	0	154	0	4	0
Elon U.	537	2,032	138	0	1,883	0	11	0
Mount Holyoke C.	538	2,026	1,539	0	200	0	287	0
U. of the Incarnate Word	539	1,982	1,076	0	785	83	38	0
New England C. of Optometry	540	1,978	1,623	26	149	175	5	0
SUNY, Buffalo State	541	1,962	977	682	210	24	64	5
Hobart and William Smith Colleges	542	1,941	758	662	391	0	73	57
Mercyhurst U.	543	1,937 i	745 i	584 i	608 i	0 i	0 i	0 i
Fort Lewis C.	544	1,926	1,746	14	124	42	0	0
Eastern Washington U.	545	1,921	775	965	NA	20	109	52
Northeastern Illinois U.	546	1,913	1,913	0	0	0	0	0
C. New Jersey	547	1,912	1,079	56	327	57	393	0
U. Puerto Rico, Cayey	548	1,881	1,202	0	539	11	129	0
U. Wisconsin-Green Bay	549	1,879	876	441	454	25	83	0
Manhattan C.	550	1,864	397	505	406	556	0	0
Roger Williams U.	551	1,854	1,202	34	460	11	147	0
U. Wisconsin-Eau Claire	552	1,852	909	410	308	83	139	3
Hawaii Pacific U.	553	1,849	1,741	36	36	0	36	0
U. Houston-Downtown	554	1,828	1,169	72	215	0	372	0
Willamette U.	555	1,817	896	33	761	0	127	0
Savannah State U.	556	1,804	1,804	0	0	0	0	0
Trinity C., Hartford	557	1,775	1,348	0	409	0	18	0
Lawrence Technological U.	558	1,764	284	701	2	434	343	0

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2021

(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
Morehead State U.	559	1,754	1,727	3	12	11	1	0
Hamilton C.	560	1,747	286	0	827	0	374	260
Heidelberg U.	561	1,725	308	1,092	303	0	22	0
Erikson Institute	562	1,723	772	16	31	0	904	0
Southeastern Louisiana U.	562	1,723	795	55	663	197	13	0
Elizabeth City State U.	564	1,717	1,603	52	NA	62	0	0
U. Houston-Clear Lake	565	1,716	865	620	80	107	44	0
Colby C.	566	1,672	750	0	427	0	495	0
Monmouth U.	567	1,667	174	778	75	25	601	14
CUNY, system office	568	1,664	768	363	105	68	360	0
Northwestern State U. Louisiana	569	1,663	738	634	291	0	0	0
U. Wisconsin-Oshkosh	570	1,656	1,083	94	415	31	33	0
Eastern Connecticut State U.	571	1,646	108	9	1,529	0	0	0
Franklin W. Olin C. of Engineering	572	1,627	636	0	478	15	481	17
Vassar C.	573	1,606	918	21	455	0	209	3
U. Ana G. Mendez, Gurabo	574	1,574	926	0	648	0	0	0
Seattle U.	575	1,562	1,102	54	129	0	270	7
Troy U.	576	1,548	1,488	0	35	25	0	0
La Sierra U.	577	1,517	812	0	137	0	568	0
Calvin U.	578	1,490 i	942 i	27 i	5 i	83 i	158 i	275 i
Drake U.	579	1,488	1,016	8	157	233	74	0
U. North Georgia	580	1,415	497	3	693	1	221	0
Bowie State U.	581	1,398	1,398	0	0	0	0	0
Union C., Schenectady	582	1,396	976	0	340	7	64	9
U. San Francisco	583	1,375	255	200	466	0	434	20
U. of the Pacific	584	1,371	1,106	211	NA	11	43	0
CUNY, New York City C. of Technology	585	1,367	1,197	0	129	31	0	10
Northern Michigan U.	586	1,364	366	8	769	0	127	94
Marshall B. Ketchum U.	587	1,351 i	343 i	0 i	668 i	340 i	0 i	0 i
U. Puerto Rico, Humacao	588	1,321	1,137	0	184	0	0	0
Kettering U.	589	1,315	353	7	586	314	55	0
Central Connecticut State U.	590	1,314	663	254	390	0	7	0
Babson C.	591	1,286	0	0	566	160	293	267

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2021

(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
Black Hills State U.	592	1,280	1,124	76	80	0	0	0
Macalester C.	592	1,280	617	4	568	0	91	0
SUNY, C. Plattsburgh	592	1,280	824	61	358	0	32	5
Florida Polytechnic U.	595	1,269	459	91	606	89	17	7
West Virginia School of Osteopathic Medicine	596	1,255	423	31	801	0	0	0
U. Hartford	597	1,252	766	0	361	5	120	0
Stockton U.	598	1,246	486	147	572	0	41	0
Connecticut C.	599	1,244	439	0	785	0	20	0
Biola U.	600	1,243 i	714 i	18 i	302 i	80 i	98 i	31 i
Doane U.	601	1,176 i	1,034 i	0 i	127 i	0 i	15 i	0 i
U. Alaska, Southeast	601	1,176	1,046	30	35	4	54	7
U. Wisconsin-Platteville	603	1,144 i	353 i	294 i	194 i	264 i	30 i	9 i
CUNY, York C.	604	1,133	922	0	168	0	43	0
New Mexico Highlands U.	605	1,129 i	1,085 i	0 i	0 i	0 i	44 i	0 i
Albion C.	606	1,127 i	289 i	0 i	838 i	0 i	0 i	0 i
Saint John's U.	607	1,125 i	0 i	0 i	1,125 i	0 i	0 i	0 i
U. of Mary Washington	608	1,123	485	100	480	2	25	31
SUNY, C. Brockport	609	1,114	500	211	268	32	74	29
Northland C.	610	1,096 i	697 i	29 i	157 i	0 i	213 i	0 i
C. Wooster	611	1,071 i	300 i	0 i	683 i	0 i	88 i	0 i
C. of Saint Benedict	612	1,064 i	46 i	0 i	1,018 i	0 i	0 i	0 i
Indiana State U.	613	1,042	582	244	135	68	13	0
Alaska Pacific U.	614	1,036	189	0	0	817	17	13
Canisius C.	614	1,036	597	0	0	0	439	0
Ithaca C.	616	1,030	685	51	224	5	35	30
Clafin U.	617	1,015	1,005	0	0	0	10	0
Lafayette C.	617	1,015	508	4	417	0	75	11
Augustana U.	619	1,013	1,013	0	0	0	0	0
SUNY, Oswego	620	1,003	415	81	439	42	14	12
U. Wisconsin-River Falls	621	999	212	588	3	141	0	55
Eastern Kentucky U.	622	986	530	76	351	0	29	0
Sacred Heart U.	623	972	675	0	244	0	53	0
Rhode Island School of Design	624	971 i	250 i	41 i	416 i	215 i	49 i	0 i

TABLE 22

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2021

(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. Hawaii, Maui C.	625	967	951	0	16	0	0	0
Liberty U.	626	937	120	75	657	68	17	0
Keene State C.	627	919	894	0	25	0	0	0
Indiana U., South Bend	628	898	337	0	423	0	138	0
Arcadia U.	629	889	371	289	0	0	229	0
Albany State U.	630	880	552	203	0	125	0	0
U. Minnesota, Morris	631	855	162	170	502	0	21	0
Mills C.	632	850	683	0	0	0	129	38
National U. of Natural Medicine	632	850	523	0	195	132	0	0
Fairfield U.	634	849	147	0	354	0	348	0
Fielding Graduate U.	635	843	791	0	52	0	0	0
St. Olaf C.	636	816	271	0	520	0	25	0
American Samoa Community C.	637	815	815	0	0	0	0	0
Andrews U.	638	802	256	3	441	0	102	0
Fort Hays State U.	639	800	482	37	185	48	6	42
Oberlin C.	640	776	505	0	160	67	44	0
Providence C.	641	766	574	0	124	0	68	0
U. Michigan, Flint	642	752	113	0	367	203	38	31
Wheaton C., Wheaton	643	729	148	0	327	0	254	0
Dordt U.	644	696	594	0	88	0	14	0
Niagara U.	645	509	34	78	194	0	203	0
Albizu U.	646	428	0	126	272	0	0	30
Lipscomb U.	647	321	222	0	0	22	77	0
Jacksonville State U.	648	275	245	0	30	0	0	0

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

^a Johns Hopkins University includes the Applied Physics Laboratory, with \$1,949,752 thousand in total R&D expenditures in FY 2021.^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 2021.