

TABLE 21

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2020

(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	-	86,296,178	46,143,829	4,596,633	21,946,790	5,184,925	5,745,238	2,678,763
Johns Hopkins U. ^a	1	3,110,494	2,682,410	5,707	157,227	105,906	155,728	3,516
U. Michigan, Ann Arbor	2	1,673,862	884,880	2,074	607,120	96,044	75,131	8,613
U. California, San Francisco	3	1,651,073	676,331	32,635	418,048	120,488	231,371	172,200
U. Pennsylvania	4	1,579,364	721,308	19,955	544,997	176,969	112,832	3,303
U. Washington, Seattle	5	1,456,902	1,024,195	27,087	111,141	57,698	198,220	38,561
U. California, San Diego	6	1,403,735	727,289	45,233	290,347	109,943	110,299	120,624
U. California, Los Angeles	7	1,392,941	655,030	81,216	302,597	82,905	194,946	76,247
U. Wisconsin-Madison	8	1,363,931	632,558	103,607	435,653	29,589	122,835	39,689
Harvard U.	9	1,239,983	605,603	2,351	391,127	49,561	171,566	19,775
Stanford U.	10	1,203,950	751,414	26,257	132,235	114,967	168,843	10,234
Duke U.	11	1,196,638	707,746	938	151,876	205,719	104,685	25,674
Cornell U.	12	1,190,063	562,021	92,178	232,628	56,706	119,570	126,960
U. North Carolina, Chapel Hill	13	1,159,725	706,145	8,129	301,817	49,974	76,679	16,981
Texas A&M U., College Station and Health Science Center	14	1,130,803	517,489	205,190	291,325	35,783	53,539	27,477
U. Pittsburgh, Pittsburgh	15	1,105,532	689,273	11,600	254,704	29,764	65,940	54,251
U. Maryland ^b	16	1,103,062	689,125	39,195	282,188	28,881	57,662	6,011
Yale U.	17	1,094,135	585,170	5,102	339,695	72,714	86,548	4,906
U. Texas M. D. Anderson Cancer Center	18	1,051,297	186,488	291,619	209,905	194,528	31,021	137,736
Georgia Institute of Technology	19	1,048,988	790,518	107,480	71,373	63,120	14,200	2,297
U. Minnesota, Twin Cities	20	1,042,382	514,092	78,122	333,014	48,857	42,157	26,140
Columbia U. in the City of New York	21	1,032,909	762,289	7,250	78,278	77,105	105,442	2,545
Pennsylvania State U., University Park and Hershey Medical Center	22	991,923	638,930	47,196	211,889	29,131	63,664	1,113
Massachusetts Institute of Technology	23	987,968	488,741	2,104	119,003	200,722	99,438	77,960
Ohio State U.	24	968,260	539,359	50,614	151,106	150,235	48,000	28,946
New York U.	25	947,293	448,850	22,203	222,650	51,010	85,710	116,870
U. Florida	26	942,223	397,202	169,194	253,646	37,922	50,483	33,776
U. Southern California	27	941,198	562,120	13,691	197,247	43,425	50,026	74,689
Washington U., Saint Louis	28	920,215	559,882	890	172,213	93,981	91,685	1,564
Northwestern U.	29	874,671	531,654	12	233,695	52,440	48,087	8,783
U. California, Berkeley	30	840,000	349,989	32,598	181,355	81,265	135,100	59,693
Vanderbilt U. and Vanderbilt U. Medical Center	31	824,803	514,299	2,527	197,502	70,229	36,434	3,812
U. California, Davis	32	816,693	380,965	74,086	208,842	54,246	42,970	55,584
Emory U.	33	808,792	452,636	1,031	230,877	54,236	67,600	2,412
U. Texas, Austin	34	797,199	500,409	23,611	147,947	77,789	40,881	6,562
U. Arizona	35	760,975	328,807	33,210	231,170	23,040	34,707	110,041
Icahn School of Medicine at Mount Sinai	36	747,014	480,452	8,270	135,617	61,137	53,691	7,847
Indiana U., Bloomington	37	728,554	343,876	3,434	281,536	26,506	71,676	1,526
Michigan State U.	38	713,197	329,748	47,310	290,251	13,141	18,986	13,761
U. Illinois, Urbana-Champaign	39	689,176	387,853	25,302	186,309	36,178	34,212	19,322

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Rutgers, State U. New Jersey, New Brunswick	40	688,077	311,743	86,581	130,582	60,291	60,621	38,259
Purdue U., West Lafayette	41	687,144	270,605	39,251	228,677	75,499	30,205	42,907
Baylor C. of Medicine	42	685,641	315,101	30,591	222,123	24,991	92,835	0
Arizona State U.	43	673,357	278,150	40,835	248,659	18,148	62,702	24,863
U. Virginia, Charlottesville	44	652,002	300,348	8,780	212,843	29,798	37,430	62,803
U. Alabama, Birmingham	45	618,226	400,110	8,209	116,242	58,758	33,706	1,201
U. Utah	46	607,061	314,023	4,908	209,608	38,458	36,404	3,660
U. Texas Southwestern Medical Center	47	595,939	242,679	66,440	137,027	38,500	53,780	57,513
Boston U.	48	583,267	339,172	517	157,935	22,430	40,325	22,888
Virginia Polytechnic Institute and State U.	49	556,341	210,792	61,192	231,204	39,857	6,319	6,977
U. Colorado Denver and Anschutz Medical Campus	50	554,643	348,724	24,563	71,012	50,627	49,479	10,238
North Carolina State U.	51	546,290	232,110	123,750	131,677	53,302	4,750	701
U. Iowa	52	538,583	259,639	5,489	225,307	28,073	20,062	13
U. Cincinnati	53	530,138	285,899	5,867	144,949	38,587	42,326	12,510
U. Colorado Boulder	54	525,674	427,869	4,435	35,695	9,942	15,348	32,385
U. California, Irvine	55	490,597	241,734	15,947	123,966	33,033	28,381	47,536
U. Georgia	56	482,786	171,351	54,667	220,201	9,490	17,725	9,352
U. Chicago	57	458,891	352,447	224	32,978	36,343	34,865	2,034
California Institute of Technology	58	449,651	316,519	1,394	48,754	18,366	36,500	28,118
Oregon Health and Science U.	59	446,890	321,572	334	44,413	38,692	41,520	359
Scripps Research Institute	60	444,964	243,502	4,503	135,483	22,386	39,090	0
Case Western Reserve U.	61	439,778	357,589	805	48,786	5,185	23,274	4,139
SUNY, U. Buffalo	62	422,038	200,155	25,016	131,323	29,881	19,164	16,499
U. Kentucky	63	417,674	200,664	35,346	130,570	9,985	10,677	30,432
U. Illinois, Chicago	64	412,147	223,030	6,772	135,744	14,766	24,288	7,547
Colorado State U., Fort Collins	65	407,302	287,100	17,707	61,093	13,406	19,938	8,058
U. Rochester	66	397,211	296,241	2,110	46,412	30,271	16,366	5,811
Princeton U.	67	396,502	203,259	300	78,989	19,932	55,398	38,624
Carnegie Mellon U.	68	386,996	217,625	2,735	115,615	36,121	9,210	5,690
U. Miami	69	381,410	224,184	10,841	75,755	34,249	35,005	1,376
U. Kansas	70	368,811	185,007	22,364	116,482	22,089	22,243	626
Iowa State U.	71	363,107	165,912	36,709	125,420	18,149	11,626	5,291
U. Oklahoma, Norman and Health Science Center	72	362,209	183,728	35,983	111,660	17,698	9,232	3,908
Rockefeller U.	73	356,217	86,280	533	230,148	5,110	33,853	293
SUNY, Polytechnic Institute	74	355,651	27,998	169,352	14,251	139,125	588	4,337
Florida State U.	75	350,430	162,296	4,391	164,970	2,177	8,946	7,650
Washington State U.	76	335,201	154,623	51,641	104,722	13,458	7,101	3,656
U. South Florida, Tampa	77	333,344	158,958	14,824	126,104	15,525	14,530	3,403
U. Missouri, Columbia	78	332,180	156,190	25,000	123,624	13,749	8,132	5,485
Dartmouth C. and Dartmouth Hitchcock Medical Center	79	326,349	142,219	1,250	150,097	4,359	21,710	6,714
Uniformed Services U. of the Health Sciences	80	324,510	235,202	0	82,613	0	6,695	0

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U. Nebraska, Lincoln	81	320,463	107,299	54,240	125,648	19,215	5,451	8,610
U. Tennessee, Knoxville ^c	82	320,407	138,402	15,100	147,875	7,580	6,021	5,429
Utah State U.	83	304,256	242,156	22,820	24,719	7,961	784	5,816
Temple U.	84	299,707	154,600	8,556	93,385	17,721	18,264	7,181
Albert Einstein C. of Medicine	85	288,654	204,635	3,150	65,723	4,286	10,860	0
Louisiana State U., Baton Rouge	86	286,733	87,895	72,026	99,412	10,461	9,391	7,548
Virginia Commonwealth U.	87	283,874	152,751	28,217	75,230	12,699	14,977	0
Mississippi State U.	88	280,485	120,616	90,345	55,647	3,477	9,055	1,345
U. Connecticut	89	280,131	164,848	5,631	79,292	11,409	12,894	6,057
U. Massachusetts, Medical School	90	279,096	192,938	1,410	45,329	15,073	19,535	4,811
U. Hawaii, Manoa	91	275,929	163,694	19,229	76,169	2,623	12,809	1,405
U. Texas Health Science Center, Houston	92	273,862	133,624	42,174	44,129	16,479	24,958	12,498
Medical U. South Carolina	93	272,590	153,802	5,666	73,804	20,747	11,011	7,560
George Washington U.	94	270,369	157,533	1,740	66,453	4,596	28,958	11,089
Oregon State U.	95	268,385	167,494	49,880	25,759	7,387	2,499	15,366
Brown U.	96	266,127	185,676	31	56,188	3,634	14,737	5,861
Medical C. Wisconsin	97	264,325	128,783	440	81,608	24,973	22,878	5,643
SUNY, Stony Brook U.	98	263,470	146,478	13,795	87,367	5,307	8,287	2,236
Georgetown U.	99	258,659	98,682	1,613	66,181	18,307	48,919	24,957
Auburn U., Auburn	100	255,281	73,468	31,628	130,268	6,700	1,632	11,585
U. California, Santa Barbara	101	254,434	123,198	4,335	54,929	22,578	29,986	19,408
Wake Forest U.	102	244,643	166,596	17,361	24,365	13,228	15,449	7,644
U. New Mexico	103	243,375	161,627	6,046	61,092	3,733	9,064	1,813
Wayne State U.	104	243,259	113,137	11,699	81,190	5,703	26,350	5,180
U. Central Florida	105	239,343	114,575	14,653	86,095	12,418	6,049	5,553
Florida International U.	106	236,842	103,366	18,582	104,836	2,271	7,059	728
Clemson U.	107	228,597	82,203	26,544	94,600	18,120	6,894	236
Woods Hole Oceanographic Institution	108	227,573	191,186	1,653	16,741	2,223	6,872	8,898
U. Notre Dame	109	227,535	104,030	530	80,244	6,212	18,563	17,956
George Mason U.	110	221,006	104,070	3,750	58,447	7,972	38,691	8,076
U. Delaware	111	220,445	144,142	10,781	48,912	6,740	4,812	5,058
U. South Carolina, Columbia	112	219,464	97,143	6,028	100,802	4,050	7,250	4,191
U. Massachusetts, Amherst	113	219,389	116,170	7,779	75,307	7,702	8,880	3,551
Tufts U.	114	216,241	148,320	1,634	23,231	10,162	28,558	4,336
Kansas State U.	115	213,900	79,100	42,624	76,929	6,594	7,057	1,596
Tulane U.	116	204,430	107,290	5,103	51,577	5,589	20,228	14,643
U. Texas Health Science Center, San Antonio	117	202,572	102,959	21,895	45,061	8,048	24,287	322
Georgia State U.	118	202,451	78,199	6,910	101,059	575	15,022	686
U. Nebraska, Medical Center	119	202,406	105,158	11,932	43,265	10,072	16,011	15,968
U. Houston	120	200,428	71,779	33,898	74,188	8,034	9,803	2,726
Northeastern U.	121	200,068	136,273	3,767	41,810	9,060	8,568	590
Texas Tech U.	122	199,643	31,475	29,341	114,278	11,588	12,653	308
U. Louisville	123	198,818	88,251	10,365	64,507	11,584	8,518	15,593
Rice U.	124	198,681	88,768	7,104	59,140	8,851	30,199	4,619

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U. Vermont	125	191,147	97,981	1,115	73,959	3,617	8,565	5,910
West Virginia U.	126	188,452	79,657	8,958	70,620	6,077	5,948	17,192
Oklahoma State U., Stillwater	127	187,060	39,873	22,850	111,227	9,807	2,990	313
U. California, Riverside	128	184,894	92,503	10,827	51,440	6,288	7,826	16,010
U. Texas Medical Branch	129	180,595	114,103	7,302	44,544	5,832	8,814	0
U. Arkansas for Medical Sciences	130	174,549	70,508	11,085	69,885	12,826	5,537	4,708
Thomas Jefferson U.	131	171,377	74,676	3,330	53,798	20,915	9,537	9,121
Montana State U., Bozeman	132	166,285	93,759	18,088	45,253	2,392	4,918	1,875
U. Arkansas, Fayetteville	133	165,887	47,454	54,705	51,260	6,648	5,592	228
U. Louisiana, Lafayette	134	164,070	40,044	10,812	32,175	78,591	2,448	0
U. Dayton	135	163,718	154,101	1,358	2,195	5,439	555	70
U. Nevada, Reno	136	159,790	64,793	8,534	74,320	3,807	2,062	6,274
U. New Hampshire	137	156,901	100,373	4,695	38,439	8,430	3,933	1,031
New Jersey Institute of Technology	138	155,715	85,746	2,987	53,611	3,013	5,719	4,639
North Dakota State U.	139	155,645	31,614	50,334	64,673	1,865	1,074	6,085
Wichita State U.	140	153,816	53,540	6,645	10,004	81,356	110	2,161
U. Alaska, Fairbanks	141	152,299	101,414	2,342	41,423	2,774	1,779	2,567
U. California, Santa Cruz	142	150,400	76,468	5,870	31,824	8,701	15,685	11,852
Syracuse U.	143	149,652	31,861	4,812	97,654	4,516	10,673	136
Drexel U.	144	143,123	82,576	4,650	38,742	3,203	7,513	6,439
U. Texas, San Antonio	145	138,586	34,334	16,210	65,229	5,703	14,490	2,620
SUNY, U. Albany	146	138,088	67,039	5,201	61,302	705	1,744	2,097
U. Texas, Arlington	147	133,793	44,950	19,309	52,902	5,989	8,740	1,903
U. Texas, Dallas	148	132,192	55,983	11,080	36,906	6,496	21,727	0
U. Maine	149	132,184	54,376	18,487	50,890	3,005	3,685	1,741
U. Alabama, Huntsville	150	131,648	104,288	3,407	22,569	970	282	132
U. Mississippi	151	122,960	82,361	5,171	28,635	2,425	4,104	264
SUNY, Binghamton U.	152	117,870	24,564	4,957	82,764	3,588	1,258	739
Cold Spring Harbor Laboratory	153	115,198	62,215	32	32,295	1,222	19,434	0
U. Oregon	154	114,259	81,278	746	27,587	213	3,386	1,049
U. Idaho	155	112,810	51,450	35,509	19,536	2,581	971	2,763
U. North Dakota	156	111,663	44,153	14,272	40,488	11,419	1,039	292
U. Montana, Missoula	157	110,218	62,067	1,026	44,285	556	1,685	599
U. Rhode Island	158	109,967	67,242	9,302	26,749	2,892	2,960	822
U. Texas, El Paso	159	108,628	39,126	20,684	36,075	1,162	1,622	9,959
Rensselaer Polytechnic Institute	160	107,623	52,150	4,959	28,841	15,594	6,079	0
New Mexico State U.	161	107,275	60,971	21,097	13,809	1,644	3,827	5,927
U. Nevada, Las Vegas	162	105,872	29,252	2,493	69,282	1,149	655	3,041
Augusta U.	163	103,961	55,797	504	40,408	3,018	4,211	23
U. Tennessee, Health Science Center	164	99,716	48,264	4,503	26,628	3,353	8,902	8,066
San Diego State U.	165	97,710	41,117	3,073	48,934	836	2,043	1,707
U. Alabama, Tuscaloosa	166	95,200	43,017	16,018	32,141	2,525	1,071	428
Rush U.	167	94,438	65,343	1,886	8,712	12,732	5,765	0
U. Wyoming	168	93,061	57,353	5,164	24,503	4,519	1,394	128

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U. Massachusetts, Lowell	169	92,216	41,304	8,471	35,980	3,263	1,300	1,898
U. North Texas, Denton	170	84,239	13,653	5,524	61,069	1,619	1,550	824
U. Maryland, Baltimore County	171	83,867	59,391	7,192	13,493	1,271	1,947	573
Colorado School of Mines	172	78,517	55,560	2,131	4,255	10,072	1,822	4,677
Cleveland State U.	173	78,189	53,756	956	16,601	2,166	4,515	195
Michigan Technological U.	174	77,927	36,172	456	31,849	6,661	220	2,569
U. Southern Mississippi	175	72,322	42,870	12,374	11,194	4,399	1,417	68
American U.	176	71,839	16,123	622	43,461	513	10,486	634
Indiana U.-Purdue U., Indianapolis	177	71,387	31,622	1,467	28,006	2,214	7,950	128
Texas State U.	178	70,714	26,950	3,850	33,796	792	5,326	0
Saint Louis U.	179	69,528	34,419	1,202	21,359	4,362	7,975	211
U. Memphis	180	69,463	18,063	7,776	39,192	998	2,914	520
William & Mary	181	66,763	30,436	3,760	25,542	795	4,561	1,669
Old Dominion U.	182	65,704	30,330	16,403	14,436	990	3,217	328
Northern Arizona U.	183	64,456	39,387	7,342	15,645	523	1,358	201
U. Massachusetts, Boston	184	64,219	27,575	3,325	25,435	2,075	5,618	191
Brandeis U.	185	63,201	41,440	1,028	10,612	294	8,699	1,128
Boston C.	186	63,063	31,038	1,801	13,420	872	15,173	759
Naval Postgraduate School	187	62,903	51,870	0	10,059	485	108	381
U. Wisconsin-Milwaukee	188	61,069	25,354	18,056	13,648	1,508	1,149	1,354
South Dakota State U.	189	60,939	22,531	16,477	3,143	1,879	3,800	13,109
U. California, Office of the President	190	60,686	217	31,777	28,666	0	20	6
Van Andel Research Institute	191	58,982	18,538	0	28,709	409	2,566	8,760
East Carolina U.	192	57,820	20,168	620	28,538	3,363	5,131	0
Rochester Institute of Technology	193	57,777	28,092	9,210	15,970	2,392	1,192	921
U. Texas Rio Grande Valley	194	56,702	13,093	7,566	27,680	455	7,653	255
U. Maryland Center for Environmental Science	195	54,560	15,498	27,148	9,503	589	1,563	259
U. Toledo	196	54,100	27,770	1,254	18,793	4,075	2,130	78
Florida Atlantic U.	197	53,845	23,695	4,581	14,711	2,729	5,863	2,266
Ohio U.	198	51,914	15,543	1,398	28,659	4,349	1,452	513
U. South Alabama	199	51,102	21,825	239	24,879	1,511	100	2,548
Kent State U.	200	50,307	15,004	521	32,258	576	1,752	196
U. North Carolina, Charlotte	201	50,050	27,618	1,176	18,128	2,133	908	87
Wright State U.	202	49,825	35,321	5,352	7,833	606	613	100
Mercer U.	203	49,116	31,572	62	9,247	5,452	191	2,592
U. North Texas, Health Science Center	204	47,392	25,917	10,787	7,265	1,463	1,800	160
San Jose State U.	205	47,301	34,102	6,297	4,100	914	1,345	543
Missouri U. of Science and Technology	206	47,001	22,860	230	16,536	4,604	575	2,196
U. California, Merced	207	45,966	20,000	5,108	16,274	558	1,870	2,156
CUNY, City C.	208	45,632	30,106	4,193	8,968	1,068	1,011	286
Howard U.	209	44,933	29,256	1,353	10,860	2,721	743	0
Stevens Institute of Technology	210	44,747	33,461	1,499	7,443	1,356	909	79

TABLE 21

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2020

(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 Tech U., Health Sciences Center	211	44,135	13,043	18,200	8,839	357	1,350	2,346
Portland State U.	212	43,667	31,315	4,178	4,680	1,321	1,637	536
Louisiana State U., Health Sciences Center, New Orleans	213	43,419	31,381	196	5,881	2,109	3,290	562
Boise State U.	214	43,307	26,914	2,265	12,867	378	617	266
Worcester Polytechnic Institute	215	43,092	26,074	1,121	9,165	4,003	1,484	1,245
Southern Methodist U.	216	43,081	17,752	877	20,640	2,250	1,562	0
U.S. Air Force Academy	217	42,197	33,554	0	7,841	802	0	0
Southern Illinois U., Carbondale	218	41,617	12,735	467	21,176	6,777	462	0
SUNY, Upstate Medical U.	219	41,557	23,940	1,557	9,460	2,141	2,438	2,021
U. Denver	220	41,349	24,753	964	7,145	1,521	6,270	696
Florida A&M U.	221	41,319	33,136	2,561	4,997	550	75	0
U. West Florida	222	40,051	12,369	681	25,667	741	593	0
Baylor U.	223	39,765	8,851	1,153	21,821	1,395	4,866	1,679
Loyola U., Chicago	224	39,365	24,018	164	7,961	3,384	2,860	978
Brigham Young U., Provo	225	38,569	24,632	1,128	6,386	3,273	2,718	432
CUNY, Hunter C.	226	38,345	26,025	2,622	8,847	229	331	291
Lehigh U.	227	38,064	26,816	1,888	8,181	758	378	43
U. Puerto Rico, Medical Sciences Campus	228	37,217	27,033	361	6,251	3,551	0	21
Marquette U.	229	37,136	13,187	539	15,058	1,027	2,162	5,163
U. Missouri, Kansas City	230	36,356	22,320	110	10,283	964	1,054	1,625
North Carolina Agricultural and Technical State U.	231	36,151	22,338	369	12,766	73	311	294
Air Force Institute of Technology	232	35,584	22,854	0	12,612	118	0	0
SUNY, Downstate Medical Center	233	33,204	26,454	21	5,396	305	696	332
San Francisco State U.	234	33,078	16,331	2,243	13,222	67	1,200	15
Texas A&M U.-Corpus Christi	235	32,284	13,349	8,436	4,691	716	2,079	3,013
Illinois State U.	236	32,260	8,719	1,250	21,288	122	871	10
Morehouse School of Medicine	237	29,813	22,500	273	5,504	0	1,536	0
SUNY, C. of Environmental Science and Forestry	238	29,296	7,809	13,768	6,258	663	552	246
U. South Dakota	239	29,279	13,034	1,683	13,893	0	669	0
Illinois Institute of Technology	240	29,122	24,244	36	1,739	1,562	948	593
U. North Carolina, Greensboro	241	28,966	20,447	452	6,039	344	593	1,091
Rutgers, State U. New Jersey, Newark	242	28,006	16,196	1,460	5,902	778	2,050	1,620
U. Massachusetts, Dartmouth	243	26,836	6,506	1,644	16,761	1,354	307	264
Chapman U.	244	26,660	7,850	1,168	11,717	616	5,301	8
California Polytechnic State U., San Luis Obispo	245	26,605	10,178	2,897	9,932	1,280	2,267	51
Louisiana Tech U.	246	26,585	7,167	2,606	14,576	903	0	1,333
U. Puerto Rico, Mayaguez	247	26,553	15,842	681	8,960	712	315	43
Desert Research Institute	248	26,428	15,791	997	4,345	415	3,819	1,061
U. Minnesota, Duluth	249	26,137	6,454	6,935	11,746	845	81	76
Nova Southeastern U.	250	26,035	10,452	2,652	10,764	1,309	610	248

TABLE 21

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2020

(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
Rowan U.	251	26,018	15,551	4,401	3,737	818	1,511	0
Villanova U.	252	25,505	4,921	1,386	17,542	350	1,056	250
Northern Illinois U.	253	25,420	8,030	1,032	15,823	221	254	60
Louisiana State U., Health Sciences Center, Shreveport	254	25,321	11,452	58	9,902	340	3,569	0
Catholic U. of America	255	25,221	22,503	118	1,429	411	760	0
Loma Linda U.	256	25,077	17,457	754	3,382	1,857	1,526	101
California State U., Sacramento	257	24,939	5,693	13,108	5,520	143	433	42
New Mexico Institute of Mining and Technology	258	24,591	22,922	179	345	881	220	44
Western Michigan U. and Homer Stryker M.D. School of Medicine	259	24,541	13,187	704	7,351	1,778	307	1,214
Miami U.	260	24,489	10,473	1,446	10,959	957	532	122
Delaware State U.	261	23,876	12,689	514	10,647	26	0	0
U. Nebraska, central administration	262	23,672	23,104	0	568	0	0	0
Albany Medical C.	263	23,510	12,940	0	4,069	3,954	1,003	1,544
U. Akron	264	23,496	10,574	688	6,355	3,898	1,054	927
U. Puerto Rico, Rio Piedras	265	22,895	14,071	30	8,387	136	202	69
Texas A&M U.-Kingsville	266	22,745	9,610	3,576	3,711	692	5,110	46
U. Alaska, Anchorage	267	22,713	15,290	2,385	4,030	446	368	194
Teachers C., Columbia U.	268	22,630	7,614	265	NA	1,038	10,766	2,947
Marshall U.	269	22,250	11,078	1,073	8,169	489	1,441	0
U. Texas Health Science Center, Tyler	270	21,265	7,732	4,022	5,581	252	3,678	0
California State U., Northridge	271	21,228	17,261	1,422	1,515	35	995	0
Tuskegee U.	272	20,973	15,122	2,624	2,706	0	0	521
Eastern Virginia Medical School	273	20,870	15,748	267	2,280	1,244	1,331	0
Fordham U.	274	20,456	3,831	333	14,154	58	1,118	962
Creighton U.	275	20,339	7,583	2,929	6,845	1,207	817	958
New York Medical C.	276	20,137	12,106	1,319	243	4,039	1,812	618
U. Tulsa	277	18,787	4,697	720	3,104	9,732	427	107
Bowling Green State U.	278	18,729	6,397	1,114	10,378	8	767	65
Prairie View A&M U.	279	18,723	9,249	4,754	4,309	212	199	0
Southern Illinois U., Edwardsville	280	18,273	3,467	90	13,531	989	168	28
Florida Institute of Technology	281	18,271	10,999	2,028	3,191	922	390	741
U. South Florida, Saint Petersburg	282	18,243	5,344	4,603	8,119	2	160	15
Kennesaw State U.	283	17,954	1,983	121	14,582	606	526	136
Embry-Riddle Aeronautical U.	284	17,786	11,542	29	1,183	3,151	460	1,421
Montclair State U.	285	17,636	3,782	724	10,659	86	2,363	22
Duquesne U.	286	17,485	4,981	798	9,566	267	1,873	0
Central Michigan U.	287	17,448	7,450	70	8,581	57	962	328
Morgan State U.	288	17,193	14,101	2,263	336	226	267	0
California State U., Long Beach	289	16,684	12,014	1,908	1,235	617	698	212
U. New Orleans	290	16,594	3,868	686	9,355	549	1,141	995
U. North Carolina, Wilmington	291	16,544	6,783	6,013	2,433	569	671	75

TABLE 21

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2020

(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, Queens C.	292	16,470	12,726	1,054	2,304	43	315	28
U. Nebraska, Omaha	293	16,134	9,996	1,845	3,116	74	941	162
North Carolina Central U.	294	15,833	12,787	116	NA	137	1,194	1,599
Northeast Ohio Medical U.	295	15,758	10,684	51	3,655	0	1,368	0
Tennessee State U.	296	15,377	8,707	467	6,141	44	18	0
U. Missouri, Saint Louis	297	15,352	6,146	40	5,875	91	2,526	674
Texas Christian U.	298	15,326	3,168	386	10,010	1,493	166	103
Clarkson U.	299	15,104	7,095	1,394	4,425	1,483	490	217
Jackson State U.	300	15,081	13,662	0	1,226	0	183	10
U. Baltimore	301	15,054	11,748	2,218	NA	6	864	218
Tarleton State U.	302	14,890	4,139	2,779	7,526	334	112	0
Rosalind Franklin U. of Medicine and Science	303	14,601	8,504	56	4,474	958	609	0
South Dakota School of Mines and Technology	304	14,490	10,659	1,173	1,574	699	90	295
Idaho State U.	305	14,478	7,849	2,365	3,535	247	410	72
Langston U.	306	14,409	9,004	4	5,374	27	0	0
Humboldt State U.	307	14,236	2,399	4,147	2,964	212	2,259	2,255
Tennessee Technological U.	308	14,085	6,471	4,174	2,858	299	77	206
Long Island U.	309	13,997	1,349	0	12,135	234	238	41
CUNY, John Jay C. of Criminal Justice	310	13,939	5,297	1,014	2,968	2,159	1,449	1,052
East Tennessee State U.	311	13,925	7,329	49	2,416	334	3,407	390
Meharry Medical C.	312	13,870	12,573	0	315	3	979	0
Alcorn State U.	313	13,710	7,023	4,519	2,110	56	2	0
Charles R. Drew U. of Medicine and Science	314	13,682	9,863	311	3,202	0	306	0
U. of the Virgin Islands	315	13,631	11,787	1,700	26	0	118	0
U. North Florida	316	13,573	4,568	1,531	7,209	153	112	0
U. Hawaii, system office	317	13,568	13,367	0	201	0	0	0
Ponce Health Sciences U.	318	13,566	11,228	220	NA	0	0	2,118
California State U., San Marcos	319	13,250	11,547	1,308	272	0	123	0
New School	320	13,186	1,050	142	3,503	144	7,022	1,325
Missouri State U.	321	13,131	12,310	37	665	115	4	0
U.S. Naval Academy	322	13,123	12,577	0	186	0	360	0
U. Guam	323	13,043	9,722	1,706	1,555	25	0	35
Montana Technological U.	324	12,987	4,322	6,090	1,757	810	0	8
Oakland U.	325	12,949	5,068	57	6,215	313	835	461
Western Washington U.	326	12,823	3,966	706	6,980	82	1,087	2
U.S. Military Academy	327	12,473	8,406	0	2,184	45	191	1,647
Sam Houston State U.	328	12,437	4,764	198	7,379	3	71	22
CUNY, Graduate School of Public Health and Health Policy	329	12,177	8,722	214	1,871	416	951	3
Georgia Southern U.	330	12,166	1,790	625	5,068	4,075	608	0
Bryn Mawr C.	331	11,575	1,531	0	9,742	27	275	0
Hampton U.	332	11,402	11,278	0	124	0	0	0
Xavier U. Louisiana	333	11,387	9,680	775	879	0	53	0
CUNY, Advanced Science Research Center	334	11,373	9,208	169	1,308	158	198	332

TABLE 21

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2020

(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. Tennessee, Chattanooga	335	10,834	3,915	889	5,073	151	331	475
California State U., San Bernardino	336	10,819	5,886	2,750	2,093	0	90	0
California State U., Los Angeles	337	10,590	8,380	72	1,817	0	321	0
Midwestern U.	338	10,479	936	50	8,776	481	236	0
Texas Tech U., Health Sciences Center, El Paso	339	10,421	1,703	2,932	5,211	257	318	0
Clark U.	340	10,277	3,350	93	5,338	12	1,456	28
James Madison U.	341	10,247	2,609	373	6,365	173	669	58
Rhode Island C.	342	10,094	4,128	5,448	93	0	425	0
Virginia State U.	343	10,014	5,642	1,431	2,061	0	879	1
U. Arkansas, Little Rock	344	9,711	7,289	259	1,812	31	320	0
St. Edward's U.	345	9,619	7,700	900	925	14	30	50
William Paterson U.	346	9,603	1,896	0	7,575	1	131	0
Salisbury U.	347	9,496	2,413	3,638	3,359	11	75	0
Ball State U.	348	9,429	2,397	453	5,703	605	271	0
Claremont Graduate U.	349	9,403	809	408	3,440	657	4,046	43
Eastern Michigan U.	350	9,088	2,598	63	5,950	61	350	66
California State U., East Bay	351	9,072	2,348	992	5,434	77	221	0
California State U., Fresno	352	8,856	3,117	2,431	1,949	455	904	0
U. Michigan, Dearborn	353	8,777	2,264	16	3,984	2,262	224	27
Alabama A&M U.	354	8,749	5,643	2,541	448	117	0	0
Middle Tennessee State U.	355	8,697	3,062	421	4,098	345	771	0
Arkansas State U., Jonesboro	356	8,640	4,712	2,987	746	187	1	7
U. San Diego	357	8,607	2,398	169	5,418	0	436	186
U. Arkansas, Pine Bluff	358	8,540	4,393	1,748	2,309	0	90	0
Clark Atlanta U.	359	8,452	5,324	0	3,016	47	65	0
Oklahoma State U., Center for Health Sciences	360	8,378	2,618	147	5,486	92	35	0
Wesleyan U.	361	8,300	4,305	31	3,137	97	651	79
Western Kentucky U.	362	8,241	3,265	478	4,250	153	83	12
U. Maryland, Eastern Shore	363	8,092	8,084	0	0	8	0	0
Wellesley C.	364	8,088	4,441	49	NA	158	2,497	943
Kentucky State U.	365	7,963	4,456	3,294	0	142	71	0
U. Oklahoma, Tulsa	366	7,483	1,953	1,060	2,936	115	891	528
Edward Via C. of Osteopathic Medicine	367	7,475	566	3	6,443	150	313	0
California State Polytechnic U., Pomona	368	7,396	5,514	821	509	344	208	0
Loyola Marymount U.	369	7,193	1,105	921	4,593	3	571	0
Norfolk State U.	370	7,153	7,148	0	5	0	0	0
U. Washington, Bothell	371	7,107	2,815	42	1,045	129	3,058	18
CUNY, Brooklyn C.	372	7,074	4,651	198	1,489	72	645	19
Azusa Pacific U.	373	7,068	128	95	6,704	2	139	0
California State U., Bakersfield	374	7,053	4,486	150	2,306	38	22	51
U. Hawaii, Hilo	375	6,992	5,274	102	1,160	179	209	68
U. New England	376	6,886	5,064	1	1,698	26	92	5
Grand Valley State U.	377	6,792	1,831	323	3,475	24	641	498

TABLE 21

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2020

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Florida Gulf Coast U.	378	6,671	5,304	814	103	104	346	0
DePaul U.	379	6,557	5,156	0	925	0	450	26
Indiana U. Pennsylvania	380	6,531	1,309	147	4,647	62	339	27
West Chester U. Pennsylvania	381	6,414	724	62	5,277	28	175	148
West Texas A&M U.	382	6,220	1,542	2,440	1,327	805	67	39
Central State U.	383	6,107	3,097	1,861	1,149	0	0	0
Naval War C.	384	5,944	5,944	0	0	0	0	0
California State U., Fullerton	385	5,929	4,121	262	1,163	49	334	0
Western U. of Health Sciences	386	5,899	4,486	522	29	635	165	62
Toyota Technological Institute, Chicago	387	5,887	3,038	0	1,513	1,230	106	0
California State U., Monterey Bay	388	5,874	3,889	1,042	683	8	252	0
Claremont McKenna C.	389	5,846	771	52	4,512	0	511	0
Pacific U.	390	5,842	2,596	289	1,961	447	549	0
Purdue U., Northwest	391	5,839	1,996	786	1,549	759	147	602
Grinnell C.	392	5,826	644	0	4,328	0	309	545
U. Central Oklahoma	393	5,788	1,444	624	3,646	71	3	0
Winston-Salem State U.	394	5,781	4,498	57	NA	0	818	408
Lincoln U., Jefferson City	395	5,777	3,636	2,141	NA	0	0	0
West Virginia State U.	396	5,775	3,993	1,592	159	31	0	0
C. Charleston	397	5,728	3,087	275	1,727	7	574	58
Seton Hall U.	398	5,718	2,725	1,993	88	210	702	0
U. Southern Maine	399	5,635	2,231	3,013	245	0	130	16
U. Colorado Colorado Springs	400	5,557	3,508	694	486	744	114	11
Southern Connecticut State U.	401	5,413	1,026	305	3,649	53	188	192
Bucknell U.	402	5,339	1,693	76	3,023	202	335	10
U. Massachusetts, central office	403	5,225	488	3,533	285	242	602	75
Reed C.	404	5,155	1,806	33	2,897	0	303	116
Des Moines U.	405	5,021	449	255	4,068	3	246	0
Williams C.	406	4,924	1,086	0	1,663	0	137	2,038
Fort Valley State U.	407	4,921	4,806	0	115	0	0	0
Amherst C.	408	4,906	1,775	0	2,230	0	10	891
Appalachian State U.	409	4,894	1,469	199	2,568	112	485	61
U. of Health Sciences and Pharmacy in St. Louis	410	4,835	3,767	0	547	431	90	0
Morehouse C.	411	4,825	4,825	0	0	0	0	0
U. North Carolina, Asheville	412	4,789	2,405	349	435	2	1,598	0
CUNY, Graduate Center	413	4,787	2,561	78	169	0	825	1,154
U. Detroit Mercy	414	4,786	4,226	0	524	13	23	0
Texas Southern U.	415	4,782	2,941	1,048	789	0	4	0
U. Wisconsin-Stevens Point	416	4,764	2,193	932	1,044	3	341	251
Smith C.	417	4,685	2,650	0	1,401	68	566	0
Gallaudet U.	418	4,599	1,841	0	2,414	0	326	18
U. of the District of Columbia	419	4,590	2,664	0	1,922	0	0	4
National Defense U.	420	4,583	4,583	0	0	0	0	0

TABLE 21

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2020

(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 U. and A&M C., Agricultural Research and Extension Center	421	4,475	2,085	2,338	52	0	0	0
Haverford C.	422	4,473	2,680	0	1,168	0	163	462
Dakota State U.	423	4,412	3,957	34	220	192	9	0
Roseman U. of Health Sciences	424	4,380	56	0	4,099	216	9	0
Lamar U.	425	4,327	2,146	1,309	136	281	455	0
California State U., Chico	426	4,305	2,520	747	491	16	148	383
Pace U.	427	4,272	2,997	0	1,103	7	147	18
Oregon Institute of Technology	428	4,267	326	2,119	561	976	285	0
Stockton U.	429	4,236	872	2,235	1,008	0	121	0
Texas A&M U.-Commerce	430	4,166	1,226	313	2,252	46	205	124
CUNY, Lehman C.	431	4,154	3,197	0	500	82	44	331
Texas Woman's U.	432	4,135	1,700	699	1,058	59	619	0
Youngstown State U.	433	4,120	3,308	128	560	107	17	0
Rutgers, State U. New Jersey, Camden	434	3,950	1,952	91	1,136	166	603	2
U. North Carolina, general administration	435	3,942	572	3,370	0	0	0	0
U. Central del Caribe	436	3,931	2,743	267	846	0	0	75
Fisk U.	437	3,904	3,811	15	0	16	62	0
Southern U. and A&M C., Baton Rouge	438	3,849	2,996	23	441	389	0	0
U. New Haven	439	3,843	1,440	473	363	390	1,170	7
Hope C.	440	3,822	1,155	0	1,492	0	1,119	56
South Carolina State U.	441	3,796	3,796	NA	NA	NA	NA	NA
Albany C. of Pharmacy and Health Sciences	442	3,765	1,938	0	822	841	137	27
U. of the Sciences Philadelphia	443	3,761	1,126	234	1,042	850	509	0
Barnard C.	444	3,748	2,800	0	467	60	421	0
U. Northern Colorado	445	3,738	1,853	262	1,267	8	348	0
Memorial Sloan Kettering Cancer Center, Louis V. Gerstner Jr. Graduate S. of Biomedical Sciences	446	3,737	342	0	3,362	0	33	0
Carleton C.	447	3,732	1,236	17	2,052	0	427	0
CUNY, C. Staten Island	448	3,682	2,295	603	483	2	84	215
Stephen F. Austin State U.	449	3,672	1,257	1,316	703	32	206	158
Franklin and Marshall C.	450	3,623	1,202	204	1,747	231	73	166
Towson U.	451	3,612	2,010	126	1,185	15	156	120
New York Institute of Technology	452	3,580	1,542	153	1,592	0	293	0
Touro U.	453	3,551	1,558	63	1,876	53	1	0
MGH Institute of Health Professions	454	3,549	3,014	0	20	0	515	0
Swarthmore C.	455	3,544	1,041	0	2,278	0	225	0
U. Washington, Tacoma	456	3,504	3,075	120	207	0	102	0
SUNY, C. of Optometry	457	3,477	1,688	0	524	1,233	10	22
Trinity U.	458	3,472	1,207	17	1,280	0	886	82

TABLE 21

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2020

(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. Central Arkansas	459	3,455	1,421	865	1,054	50	65	0
U. Illinois, Springfield	460	3,406	976	1,352	996	26	56	0
Philadelphia C. of Osteopathic Medicine	461	3,360	422	0	2,415	0	523	0
Lewis and Clark C.	462	3,350	1,268	0	1,527	0	555	0
High Tech High Graduate School of Ed.	463	3,304	0	0	0	0	3,304	0
St. John's U., New York	464	3,282	1,805	0	789	147	374	167
California State U., Maritime Academy	465	3,202	621	151	85	2,345	0	0
Milwaukee School of Engineering	466	3,190	613	0	0	2,575	2	0
Saint Joseph's U.	467	3,150	1,047	812	1,084	123	84	0
Colorado State U., Pueblo	468	3,104	1,161	1,791	152	0	0	0
Texas A&M International U.	469	3,067	986	707	647	63	637	27
St. Cloud State U.	470	3,056	459	366	1,358	536	337	0
Murray State U.	471	3,019	1,929	37	1,007	46	0	0
U. Northern Iowa	472	2,970	1,881	343	702	4	40	0
Harvey Mudd C.	473	2,916	1,748	0	926	26	93	123
Colgate U.	474	2,913	918	0	1,768	12	215	0
Pomona C.	475	2,855	1,123	12	1,564	0	156	0
Austin Peay State U.	476	2,833	475	1,329	908	1	106	14
Fayetteville State U.	477	2,797	1,008	421	1,185	123	60	0
U. Wisconsin-La Crosse	478	2,795	817	848	434	455	234	7
Alfred U.	479	2,780	947	857	662	314	0	0
Yeshiva U.	480	2,763	772	0	1,407	0	239	345
Minnesota State U., Mankato	481	2,754	525	121	1,071	0	885	152
Spelman C.	482	2,750	2,136	0	477	137	0	0
Bowdoin C.	483	2,719	1,862	33	707	1	116	0
Northwest Indian C.	484	2,708	2,497	0	36	0	175	0
Western Carolina U.	485	2,696	1,707	228	479	121	161	0
Northern Kentucky U.	486	2,693	1,462	86	854	5	286	0
Santa Clara U.	487	2,682	1,522	311	NA	283	566	0
U. of St. Thomas (MN)	488	2,679	450	212	801	550	555	111
Central Washington U.	489	2,674	1,701	242	336	102	211	82
Occidental C.	490	2,657	1,567	279	NA	303	508	0
U. Nebraska, Kearney	491	2,640	1,259	330	961	39	17	34
Christopher Newport U.	492	2,608	1,365	17	903	108	98	117
U. South Carolina, Aiken	493	2,590	2,328	0	255	0	7	0
Alabama State U.	494	2,582	2,582	0	0	0	0	0
Dillard U.	495	2,523	1,200	87	771	0	98	367
Johnson C. Smith U.	496	2,472	2,230	132	0	10	100	0
U. Richmond	497	2,469	1,628	0	613	0	228	0
Western Illinois U.	498	2,461	1,801	168	254	217	0	21
Grambling State U.	499	2,427	787	560	1,080	0	0	0
Skidmore C.	500	2,412	1,827	0	441	0	144	0
CUNY, Baruch C.	501	2,396	1,470	14	434	0	367	111
U. Louisiana, Monroe	502	2,362	2,025	210	69	22	36	0

TABLE 21

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2020

(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
Babson C.	503	2,352	14	0	1,007	358	683	290
Saginaw Valley State U.	504	2,343	1,809	0	398	5	115	16
Framingham State U.	505	2,317	179	0	0	78	2,060	0
Bates C.	506	2,303	1,885	0	212	0	104	102
U. Wisconsin-Superior	507	2,301	1,382	174	563	66	10	106
U. Houston-Downtown	508	2,299	1,392	120	280	0	507	0
Colorado C.	509	2,291	196	290	917	0	888	0
Eastern Washington U.	510	2,282	1,153	931	NA	14	134	50
Purdue U., Fort Wayne	511	2,264	589	408	713	70	54	430
Davidson C.	512	2,263	1,411	0	413	10	408	21
Southeastern Louisiana U.	513	2,258	884	213	913	61	187	0
SUNY, Buffalo State	514	2,253	1,241	619	293	35	49	16
Winthrop U.	515	2,217	1,563	293	220	34	107	0
Kean U.	516	2,201	775	447	885	29	26	39
Pittsburg State U.	517	2,173	477	570	NA	1,085	41	0
U. San Francisco	518	2,161	148	118	1,372	0	523	0
Keck Graduate Institute	519	2,152	1,113	0	687	142	35	175
U. South Florida, Sarasota-Manatee	520	2,150	10	0	2,096	0	44	0
CUNY, New York City C. of Technology	521	2,130	1,585	0	136	404	5	0
Hobart and William Smith Colleges	522	2,114	1,072	436	384	0	85	137
Suffolk U.	523	2,106	844	0	1,010	0	252	0
U. Texas of the Permian Basin	524	2,105	757	32	562	0	754	0
Tougaloo C.	525	2,102	2,102	0	0	0	0	0
Furman U.	526	2,101	847	10	1,099	0	38	107
Kettering U.	527	2,081	568	8	832	591	63	19
Sul Ross State U.	528	2,068	481	126	119	25	785	532
California State U., Dominguez Hills	529	2,065	1,433	32	600	0	0	0
Seattle U.	530	2,060	1,303	62	160	1	334	200
U. Ana G. Mendez, Gurabo	531	2,049	946	0	1,103	0	0	0
Northeastern Illinois U.	532	2,018	2,018	0	0	0	0	0
Mount Holyoke C.	533	2,016	1,442	0	227	0	347	0
U. Texas, Tyler	534	2,007	774	225	631	207	96	74
Pepperdine U.	535	2,006	693	31	623	0	634	25
Erikson Institute	536	1,992	1,006	0	96	0	890	0
U. Wisconsin-Green Bay	537	1,982	890	500	207	41	172	172
U. Puerto Rico, Cayey	538	1,974	1,210	0	639	13	112	0
Elon U.	539	1,968	106	0	1,828	0	34	0
Bowie State U.	540	1,967	1,967	0	0	0	0	0
Northwestern State U. Louisiana	541	1,940	598	1,105	237	0	0	0
Claflin U.	542	1,910	1,907	0	0	0	3	0
U. North Georgia	543	1,905	542	40	858	7	458	0
Coastal Carolina U.	544	1,903	1,211	119	61	0	512	0
Palmer C. of Chiropractic, Davenport	545	1,900	1,400	0	500	0	0	0

TABLE 21

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2020

(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
Liberty U.	546	1,894	886	0	513	316	146	33
Morehead State U.	547	1,883	1,674	50	133	0	26	0
Hamilton C.	548	1,869	144	0	1,270	0	397	58
Pennsylvania State U., Harrisburg	549	1,866	451	67	1,277	25	46	0
Mercyhurst U.	550	1,850	690	568	592	0	0	0
California State U., Stanislaus	551	1,843	1,284	73	79	399	8	0
Savannah State U.	552	1,804	1,804	0	0	0	0	0
Eastern Connecticut State U.	553	1,799	177	1	1,621	0	0	0
Hawaii Pacific U.	554	1,796	1,699	52	27	0	4	14
U. Wisconsin-Oshkosh	555	1,777	1,336	0	0	0	0	441
Macalester C.	556	1,755	647	84	794	0	230	0
Pennsylvania State U., Behrend	557	1,743	543	7	0	718	475	0
Monmouth U.	558	1,729	110	1,149	70	20	309	71
Middlebury C.	559	1,720	1,546	0	132	1	41	0
SUNY, C. Brockport	560	1,719	781	343	574	20	1	0
U. of the Pacific	561	1,713	1,375	96	NA	13	229	0
CUNY, system office	562	1,704	884	164	163	26	105	362
Troy U.	563	1,692	1,591	0	66	16	19	0
CUNY, York C.	564	1,691	1,513	0	156	0	22	0
La Sierra U.	565	1,647	618	0	531	0	498	0
SUNY, Geneseo	566	1,642	950	12	675	0	5	0
Connecticut C.	567	1,598	483	0	1,071	0	44	0
Central Connecticut State U.	568	1,572	901	264	407	0	0	0
Vassar C.	569	1,568	1,055	0	306	0	182	25
Willamette U.	570	1,546	401	1	768	0	376	0
Sonoma State U.	571	1,545	936	310	247	16	36	0
Mills C.	572	1,541	1,341	24	70	0	90	16
Colby C.	573	1,536	809	0	388	0	0	339
SUNY, Oswego	574	1,534	492	61	945	8	15	13
Roger Williams U.	575	1,531	1,045	80	301	17	88	0
Northern Michigan U.	576	1,523	446	0	876	15	10	176
Lawrence Technological U.	577	1,521	405	174	64	212	666	0
Black Hills State U.	578	1,499	1,287	98	114	0	0	0
California State U., Channel Islands	579	1,497	553	574	339	31	0	0
Calvin U.	579	1,497	888	30	5	92	176	306
Elizabeth City State U.	581	1,473	1,455	11	NA	0	0	7
Indiana State U.	582	1,471	949	241	204	31	46	0
U. of the Incarnate Word	583	1,469	869	130	155	42	268	5
C. New Jersey	584	1,464	951	32	153	49	279	0
U. Puerto Rico, Humacao	585	1,456	1,279	0	177	0	0	0
SUNY, C. Plattsburgh	586	1,452	950	37	353	0	9	103
Hofstra U.	587	1,445	997	231	96	3	64	54
U. Hartford	588	1,436	854	0	568	14	0	0
National U. of Natural Medicine	589	1,428	912	0	333	160	0	23
Trinity C., Hartford	589	1,428	1,019	0	353	2	54	0

TABLE 21

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2020

(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
Franklin W. Olin C. of Engineering	591	1,404	293	0	530	27	499	55
U. of Mary Washington	592	1,393	660	20	594	0	90	29
Lafayette C.	593	1,390	755	14	522	1	53	45
Fort Lewis C.	594	1,370	1,228	51	79	12	0	0
U. Houston-Clear Lake	595	1,363	632	513	33	102	83	0
Marshall B. Ketchum U.	596	1,357	323	0	685	349	0	0
Wheaton C., Wheaton	597	1,322	324	0	309	1	688	0
U. Wisconsin-Eau Claire	598	1,318	647	292	219	59	99	2
West Virginia School of Osteopathic Medicine	599	1,311	419	8	884	0	0	0
Manhattan C.	600	1,307	398	174	503	232	0	0
U. Alaska, Southeast	601	1,264	1,098	65	76	0	25	0
Alaska Pacific U.	602	1,261	148	0	0	1,100	10	3
U. Michigan, Flint	603	1,247	276	3	588	366	8	6
Jacksonville State U.	604	1,244	1,216	0	28	0	0	0
Fairfield U.	605	1,210	365	0	255	0	590	0
Ithaca C.	606	1,199	981	0	170	0	13	35
Biola U.	607	1,187	662	18	300	79	97	31
Oberlin C.	608	1,182	743	0	360	73	6	0
Fort Hays State U.	609	1,172	764	24	168	209	7	0
New England C. of Optometry	610	1,150	785	0	166	193	6	0
Albion C.	611	1,132	272	0	860	0	0	0
Saint John's U., Colledgeville	612	1,130	0	0	1,130	0	0	0
Heidelberg U.	613	1,125	188	824	48	53	12	0
Niagara U.	614	1,124	24	258	352	0	490	0
Doane U.	615	1,123	958	0	148	0	17	0
U. Wisconsin-River Falls	616	1,107	488	408	7	152	0	52
U. Wisconsin-Platteville	617	1,104	336	285	189	256	29	9
Providence C.	618	1,092	913	0	127	0	52	0
Florida Polytechnic U.	619	1,091	252	289	479	46	5	20
New Mexico Highlands U.	620	1,090	1,034	0	0	0	56	0
C. Wooster	621	1,076	283	0	703	0	90	0
C. of Saint Benedict	622	1,069	43	0	1,026	0	0	0
Keene State C.	623	1,063	1,043	0	19	0	1	0
Union C., Schenectady	624	1,062	462	4	483	24	58	31
Albany State U.	625	1,060	836	116	0	108	0	0
Andrews U.	626	1,033	263	2	565	0	203	0
St. Olaf C.	627	1,032	230	0	652	0	150	0
Citadel Military C. South Carolina	628	1,012	736	0	135	0	11	130
Eastern Kentucky U.	629	1,010	554	66	309	4	77	0
U. Minnesota, Morris	630	1,004	213	138	647	0	6	0
Lipscomb U.	631	1,000	557	15	247	66	86	29
Rhode Island School of Design	632	975	236	42	426	221	50	0
Saint Michael's C.	633	957	775	0	182	0	0	0
Dickinson C.	634	929	222	87	325	49	29	217
Emerson C.	635	919	84	171	279	27	202	156

TABLE 21

Higher education R&D expenditures, ranked by all R&D expenditures, by source of funds: FY 2020

(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
Gettysburg C.	636	913	320	0	144	46	227	176
Kenyon C.	637	908	714	0	146	0	48	0
U. Puget Sound	638	895	401	0	238	0	206	50
Midwestern State U.	639	891	599	36	201	0	55	0
CUNY, Medgar Evers C.	640	882	588	0	245	0	48	1
Whitman C.	641	865	558	0	246	0	61	0
Bradley U.	642	851	235	86	207	301	0	22
Stonehill C.	643	833	674	0	159	0	0	0
La Salle U.	644	818	14	0	804	0	0	0
Polytechnic U. Puerto Rico	645	813	813	0	NA	0	0	0
Salish Kootenai C.	646	807	802	0	0	0	5	0
Weber State U.	647	676	424	159	33	30	30	0
Benedict C.	648	649	635	3	0	0	11	0
U. Ana G. Mendez, Carolina	649	647	520	0	127	0	0	0
California Lutheran U.	650	630	271	0	359	0	0	0
St. Bonaventure U.	651	585	265	0	136	8	12	164
Merrimack C.	652	503	306	0	72	0	125	0
Dine C.	653	347	347	0	0	0	0	0
New Jersey City U.	654	262	223	0	39	0	0	0
Columbus State U.	655	261	93	0	105	58	5	0

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

^a Johns Hopkins University includes the Applied Physics Laboratory, with \$1,909,094 thousand in total R&D expenditures in FY 2020.^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 Tennessee, Knoxville includes expenditures from the University of Tennessee Institute of Agriculture. Due to a reorganization within the University of Tennessee system, the Institute of Agriculture now falls under the leadership of the University of Tennessee, Knoxville chancellor. Prior to FY 2020, the University of Tennessee, Knoxville, Institute of Agriculture reported to the survey separately.**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 2020.