

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in both survey populations, ranked by FY 2022 total R&D expenditures: FYs 2019–22**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
All institutions	-	83,643,490	86,440,252	89,833,640	97,842,057	44,538,541	46,182,051	49,190,892	54,052,605
Johns Hopkins U. <sup>a</sup>	1	2,917,436	3,110,494	3,181,385	3,420,312	2,482,130	2,682,410	2,774,643	2,971,816
U. California, San Francisco	2	1,595,098	1,651,073	1,710,036	1,805,950	671,047	676,331	683,179	780,318
U. Pennsylvania	3	1,506,285	1,579,364	1,631,950	1,791,311	717,359	721,308	792,089	873,318
U. Michigan, Ann Arbor	4	1,675,805	1,673,862	1,639,645	1,770,708	886,851	884,880	891,125	970,636
U. Washington, Seattle	5	1,425,601	1,456,902	1,488,645	1,559,708	992,643	1,024,195	1,046,377	1,083,090
U. California, Los Angeles	6	1,306,376	1,392,941	1,454,880	1,536,197	600,714	655,030	721,043	848,138
U. California, San Diego	7	1,353,763	1,403,735	1,425,499	1,533,357	698,925	727,289	801,117	970,696
U. Wisconsin-Madison	8	1,297,331	1,363,931	1,380,075	1,523,513	608,925	632,558	646,764	740,854
Duke U.	9	1,226,517	1,196,638	1,237,686	1,390,538	709,705	707,746	776,632	901,807
Stanford U.	10	1,204,116	1,203,950	1,274,483	1,384,555	738,957	751,414	811,183	860,125
Ohio State U.	11	929,250	968,260	1,236,111	1,363,388	497,651	539,359	559,797	636,902
U. North Carolina, Chapel Hill	12	1,153,773	1,159,725	1,205,883	1,361,028	720,613	706,145	747,895	827,158
Harvard U.	13	1,239,736	1,239,983	1,254,008	1,308,458	618,405	605,603	616,589	628,683
Cornell U.	14	1,144,534	1,190,063	1,183,524	1,300,357	525,182	562,021	592,359	636,481
New York U.	15	934,720	947,293	1,063,704	1,276,038	436,850	448,850	547,027	668,381
U. Pittsburgh, Pittsburgh	16	1,080,951	1,105,532	1,135,416	1,251,998	677,559	689,273	724,993	814,647
Georgia Institute of Technology	17	960,167	1,048,988	1,114,481	1,231,485	716,207	790,518	852,319	940,488
Columbia U. in the City of New York	18	1,003,615	1,032,909	1,098,570	1,230,924	736,536	762,289	831,648	904,346
U. Maryland <sup>b</sup>	19	1,096,600	1,103,062	1,142,264	1,228,550	696,880	689,125	713,283	750,447
U. Minnesota, Twin Cities	20	1,013,112	1,042,382	1,072,961	1,202,084	494,549	514,092	570,946	652,384
Yale U.	21	1,072,309	1,094,135	1,165,148	1,191,201	576,776	585,170	647,656	689,270
U. Texas M. D. Anderson Cancer Center	22	969,496	1,051,297	1,124,971	1,182,536	176,156	186,488	217,073	225,659
Texas A&M U., College Station and Health Science Center	23	952,156	1,130,803	1,147,720	1,152,666	359,609	517,489	528,057	505,355
Vanderbilt U. and Vanderbilt U. Medical Center	24	776,937	824,803	1,019,273	1,086,223	492,808	514,299	586,880	666,282
U. Florida	25	928,639	942,223	959,965	1,085,834	387,906	397,202	423,154	467,739
Washington U., Saint Louis	26	887,088	920,215	989,214	1,047,098	543,508	559,882	606,127	681,353
U. Southern California	27	909,683	941,198	955,565	1,039,905	543,607	562,120	574,185	601,747
Pennsylvania State U., University Park and Hershey Medical Center	28	949,679	991,923	970,544	1,019,940	600,489	638,930	622,532	681,159
Northwestern U.	29	857,069	874,671	913,178	1,000,695	502,300	531,654	572,975	618,771
Massachusetts Institute of Technology	30	1,009,466	987,968	949,076	989,166	489,345	488,741	483,526	531,056
U. California, Berkeley	31	802,931	840,000	846,872	981,035	347,601	349,989	354,478	468,542
Emory U.	32	794,928	808,792	852,922	958,281	424,461	452,636	515,940	568,149
Icahn School of Medicine at Mount Sinai	33	722,241	747,014	820,260	893,968	443,745	480,452	554,582	610,646
U. California, Davis	34	804,282	816,693	817,409	883,807	374,707	380,965	373,719	468,468

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in both survey populations, ranked by FY 2022 total R&D expenditures: FYs 2019–22**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
U. Texas, Austin	35	696,111	797,199	779,348	845,896	407,981	500,409	489,827	536,296
Baylor C. of Medicine	36	651,920	685,641	716,976	827,005	309,354	315,101	365,472	420,054
U. Arizona	37	734,270	760,975	770,031	824,340	327,025	328,807	353,117	374,936
Arizona State U.	38	639,637	673,357	677,303	797,224	267,087	278,150	274,541	309,094
U. Illinois, Urbana-Champaign	39	677,523	689,176	731,268	765,909	382,206	387,853	406,612	420,953
Michigan State U.	40	725,708	713,197	710,178	759,229	331,148	329,748	349,889	381,504
Purdue U., West Lafayette	41	663,927	687,144	679,482	754,627	249,831	270,605	295,278	352,890
Indiana U., Bloomington	42	668,157	710,850	695,258	751,309	308,586	319,039	326,326	360,300
Boston U.	43	534,205	583,267	652,096	725,402	318,511	339,172	402,443	413,102
U. Texas Southwestern Medical Center	44	496,697	595,939	632,134	719,002	203,544	242,679	257,611	298,154
U. Alabama, Birmingham	45	607,863	618,226	644,330	713,480	398,403	400,110	423,290	421,223
Rutgers, State U. New Jersey, New Brunswick	46	657,249	688,077	643,955	712,231	297,609	311,743	339,015	351,660
U. Utah	47	601,133	607,061	624,737	670,119	302,585	314,023	340,434	367,040
U. Virginia, Charlottesville	48	613,938	652,002	611,313	662,658	276,335	300,348	297,273	332,993
U. Cincinnati	49	529,796	530,138	551,826	615,070	252,892	285,899	309,097	350,392
U. Colorado Boulder	50	513,822	525,674	547,724	611,380	412,691	427,869	459,816	507,892
U. Colorado Anschutz Medical Campus <sup>c</sup>	51	na	na	562,855	611,358	na	na	363,999	429,949
U. Iowa	52	508,353	538,583	553,876	594,215	252,563	259,639	283,763	314,346
Virginia Polytechnic Institute and State U.	53	541,969	556,341	542,045	591,861	209,607	210,792	216,733	240,305
U. Chicago	54	459,171	458,891	497,651	591,805	332,776	352,447	394,275	456,806
North Carolina State U.	55	541,100	546,290	547,118	583,203	228,945	232,110	239,115	250,582
U. Georgia	56	477,536	482,786	493,944	545,631	159,948	171,351	188,451	220,343
U. California, Irvine	57	448,967	490,597	523,752	534,947	217,094	241,734	255,010	291,393
Scripps Research Institute	58	427,734	444,964	485,435	492,639	267,122	243,502	272,181	242,135
Oregon Health and Science U.	59	415,629	446,890	452,812	479,226	298,227	321,572	329,016	346,724
California Institute of Technology	60	399,931	449,651	438,624	478,142	287,198	316,519	293,197	326,401
U. Kentucky	61	410,581	417,674	429,241	476,517	192,945	200,664	220,703	253,852
Case Western Reserve U.	62	438,994	439,778	421,868	467,389	357,549	357,589	340,438	380,423
Princeton U.	63	385,739	396,502	404,448	461,185	193,453	203,259	205,000	218,390
Colorado State U., Fort Collins	64	398,477	407,302	447,197	456,911	284,482	287,100	303,901	316,727
U. Rochester	65	393,960	397,211	409,255	450,805	306,551	296,241	309,647	334,503
Carnegie Mellon U.	66	359,720	386,996	402,376	449,707	197,978	217,625	234,993	259,160
U. Illinois, Chicago	67	382,949	412,147	429,585	440,573	208,603	223,030	237,949	251,328
SUNY, U. Buffalo	68	413,817	422,038	425,349	439,709	182,983	200,155	210,257	218,231
U. Miami	69	360,716	381,410	375,841	439,300	212,023	224,184	231,001	265,212

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**Total and federally financed higher education R&D expenditures at higher education institutions in both survey populations, ranked by FY 2022 total R&D expenditures: FYs 2019–22**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
U. Missouri, Columbia	70	310,421	332,180	388,779	432,310	139,781	156,190	163,576	182,432
SUNY, Polytechnic Institute	71	352,889	355,651	465,273	413,763	38,245	27,998	25,427	32,396
U. Oklahoma, Norman and Health Science Center	72	302,679	362,209	380,048	408,656	164,855	183,728	193,639	210,994
Virginia Commonwealth U.	73	255,648	283,874	364,096	405,898	142,293	152,751	160,995	166,726
U. Kansas	74	352,643	368,811	385,637	405,267	169,694	185,007	187,249	200,117
U. South Florida <sup>d</sup>	75	391,325	333,344	385,965	405,166	181,882	158,958	185,364	206,552
Iowa State U.	76	358,474	363,107	360,275	393,184	147,866	165,912	169,177	187,156
Washington State U.	77	344,997	335,201	357,648	368,396	158,982	154,623	179,536	187,580
U. Delaware	78	206,270	220,445	231,532	368,107	133,020	144,142	157,725	194,775
U. Connecticut	79	285,764	280,131	302,329	367,557	159,220	164,848	183,362	230,752
Rockefeller U.	80	351,089	356,217	357,543	360,877	84,566	86,280	96,318	94,693
U. Massachusetts, Medical School	81	281,507	279,096	347,337	358,204	197,388	192,938	248,873	258,147
Florida State U.	82	329,205	350,430	328,604	355,986	149,784	162,296	150,108	163,744
Utah State U.	83	283,917	304,256	325,223	344,851	220,504	242,156	264,575	280,866
Louisiana State U., Baton Rouge	84	296,497	286,733	296,673	344,556	88,721	87,895	103,178	111,886
Dartmouth C. and Dartmouth Hitchcock Medical Center	85	323,020	326,349	330,226	344,126	137,965	142,219	152,335	155,445
U. Texas Health Science Center, Houston	86	271,525	273,862	308,823	342,633	132,647	133,624	165,139	184,205
U. Nebraska, Lincoln	87	316,820	320,463	320,758	340,260	109,954	107,299	107,006	113,248
U. New Mexico	88	239,696	243,375	332,566	331,164	159,940	161,627	242,212	232,774
U. Tennessee, Knoxville <sup>e</sup>	89	247,693	320,407	316,273	324,435	123,434	138,402	135,202	149,260
Thomas Jefferson U.	90	170,458	171,377	200,393	321,644	74,816	74,676	109,448	173,861
Medical C. Wisconsin	91	251,300	264,325	276,850	321,506	119,036	128,783	136,385	152,301
Albert Einstein C. of Medicine	92	298,824	288,654	301,715	318,314	202,513	204,635	214,619	220,780
Georgetown U.	93	240,960	258,659	279,932	313,220	94,050	98,682	130,419	127,213
SUNY, Stony Brook U.	94	260,813	263,470	274,516	312,698	144,618	146,478	162,972	184,154
Brown U.	95	256,954	266,127	276,331	310,780	178,460	185,676	198,574	215,067
Auburn U., Auburn	96	231,619	255,281	266,374	304,439	64,333	73,468	91,157	104,883
Mississippi State U.	97	264,526	280,485	275,143	303,418	104,738	120,616	116,713	138,207
Temple U.	98	284,301	299,707	299,778	301,395	161,673	154,600	153,316	143,580
Oregon State U.	99	263,830	268,385	276,955	297,934	168,571	167,494	179,180	192,621
Medical U. South Carolina	100	295,600	272,590	277,761	284,553	153,226	153,802	162,394	163,395
Florida International U.	101	225,864	236,842	246,075	281,665	96,912	103,366	105,309	129,683
U. Notre Dame	102	240,078	227,535	240,324	280,604	106,411	104,030	109,891	124,411
U. California, Santa Barbara	103	243,778	254,434	248,961	278,897	118,517	123,198	122,168	161,241
U. Hawaii, Manoa	104	280,416	275,929	271,768	277,323	167,816	163,694	157,772	169,762

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**Total and federally financed higher education R&D expenditures at higher education institutions in both survey populations, ranked by FY 2022 total R&D expenditures: FYs 2019–22**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
Uniformed Services U. of the Health Sciences	105	417,300	324,510	384,490	277,240	297,808	235,202	275,573	194,187
George Washington U.	106	269,799	270,369	266,108	275,483	155,697	157,533	161,349	161,867
Wake Forest U.	107	238,933	244,643	264,216	269,109	165,702	166,596	188,887	180,754
Clemson U.	108	218,760	228,597	237,485	263,158	81,080	82,203	89,883	119,512
Wichita State U.	109	128,795	153,816	192,042	261,519	29,634	53,540	77,427	93,367
Woods Hole Oceanographic Institution	110	229,143	227,573	262,048	255,017	184,995	191,186	222,351	211,550
U. Massachusetts, Amherst	111	223,177	219,389	213,824	245,158	117,359	116,170	116,349	129,044
Wayne State U.	112	244,217	243,259	235,519	242,247	118,043	113,137	117,976	126,814
U. Houston	113	195,398	200,428	202,536	240,126	68,523	71,779	77,489	84,295
U. Texas Health Science Center, San Antonio	114	188,483	202,572	219,734	238,510	96,502	102,959	106,824	119,071
Northeastern U.	115	183,998	200,068	211,342	231,607	126,762	136,273	143,421	150,093
Tufts U.	116	213,285	216,241	224,956	231,224	146,630	148,320	166,809	150,081
George Mason U.	117	186,267	218,445	214,207	230,068	96,307	104,070	103,712	119,406
U. Louisville	118	177,862	198,818	200,362	229,582	87,563	88,251	97,179	117,363
U. South Carolina, Columbia	119	205,940	219,734	215,374	229,162	102,992	90,243	88,529	106,752
Texas Tech U.	120	193,923	199,643	197,739	226,729	35,136	31,475	33,938	45,136
Tulane U.	121	196,933	204,430	205,206	222,605	104,219	107,290	113,819	127,544
U. Central Florida	122	225,085	213,757	218,596	221,488	99,310	101,332	109,310	110,131
U. Vermont	123	135,859	191,147	195,320	216,307	90,405	97,981	103,554	117,163
Rice U.	124	182,564	198,681	207,404	216,202	83,584	88,768	95,648	105,345
Georgia State U.	125	195,572	202,451	206,472	215,908	70,185	78,199	79,834	81,641
West Virginia U.	126	187,512	188,452	199,907	214,081	82,353	79,657	89,802	97,327
Kansas State U.	127	218,622	213,900	203,846	212,974	81,269	79,100	77,779	81,820
U. Dayton	128	165,343	163,718	191,228	211,494	153,328	154,101	181,445	203,206
U. New Hampshire	129	148,980	156,901	167,373	206,392	90,241	100,373	99,323	129,721
U. Arkansas for Medical Sciences	130	153,135	174,549	194,709	205,493	63,498	70,508	83,387	95,080
U. Nebraska, Medical Center	131	194,455	202,406	200,974	205,253	102,604	105,158	111,042	114,754
U. Louisiana, Lafayette	132	144,187	164,070	181,400	205,201	34,400	40,044	65,436	77,110
U. Texas Medical Branch	133	175,372	180,595	185,759	204,518	107,806	114,103	117,915	123,467
U. Alaska, Fairbanks	134	144,457	152,299	172,957	202,516	92,964	101,414	128,229	154,742
Montana State U., Bozeman	135	154,811	166,285	193,577	200,820	88,955	93,759	113,257	118,974
U. California, Riverside	136	177,655	184,894	189,600	199,135	81,151	92,503	97,182	114,257
Oklahoma State U., Stillwater	137	184,276	187,060	198,799	195,041	39,880	39,873	47,428	53,885
U. Arkansas, Fayetteville	138	180,225	165,887	164,443	184,080	50,875	47,454	48,534	64,252
U. Nevada, Reno	139	152,128	159,790	175,386	181,782	62,903	64,793	77,246	83,631

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		2019	2020	2021	2022	2019	2020	2021	2022
U. California, Santa Cruz	140	142,958	150,400	160,615	176,760	74,669	76,468	86,263	107,082
North Dakota State U.	141	152,381	155,645	164,050	174,904	35,322	31,614	42,824	45,343
U. Maine	142	129,913	134,183	146,801	171,931	51,049	54,376	65,249	84,072
U. Alabama, Huntsville	143	109,744	131,648	149,792	169,532	85,211	104,288	116,971	132,060
New Jersey Institute of Technology	144	161,232	163,447	166,587	167,135	89,846	85,746	77,057	71,326
U. Alabama, Tuscaloosa	145	83,317	95,200	129,509	163,204	37,916	43,017	53,880	67,986
U. Oregon	146	110,664	114,259	139,193	160,500	80,083	81,278	82,242	97,238
Syracuse U.	147	154,366	149,652	151,717	157,407	37,803	31,861	34,200	33,976
U. Mississippi	148	158,809	122,960	116,175	152,903	73,865	82,361	76,886	84,270
Drexel U.	149	149,481	143,123	152,752	151,903	85,278	82,576	93,517	99,399
U. North Dakota	150	110,836	111,663	143,506	147,717	49,700	44,153	58,463	62,737
U. Texas, San Antonio	151	84,326	138,586	145,362	147,629	34,588	34,334	42,952	54,384
U. Wyoming	152	80,353	93,061	93,202	139,764	52,082	57,353	54,444	68,772
U. Texas, Arlington	153	123,858	133,793	126,477	133,770	41,764	44,950	46,946	56,025
U. Texas, Dallas	154	126,661	132,192	122,825	130,914	48,466	55,983	58,249	60,706
SUNY, Binghamton U.	155	104,297	117,870	124,565	130,882	24,213	24,564	23,225	24,888
U. Texas, El Paso	156	106,809	108,628	109,410	130,501	41,261	39,126	43,930	60,387
SUNY, U. Albany	157	181,531	138,088	114,501	129,796	92,709	67,039	56,425	51,492
U. Rhode Island	158	115,160	109,967	129,296	129,102	73,080	67,242	78,923	93,190
Augusta U.	159	96,502	103,961	116,480	127,313	47,031	55,797	61,943	64,609
U. Montana, Missoula	160	104,665	110,218	121,571	125,603	55,566	62,067	70,686	73,507
San Diego State U.	161	92,964	97,710	107,681	123,856	39,515	41,117	43,473	50,540
Rensselaer Polytechnic Institute	162	103,739	122,753	119,056	121,809	50,448	52,150	52,465	50,605
New Mexico State U.	163	101,457	107,275	110,580	121,472	58,022	60,971	64,699	71,718
Cold Spring Harbor Laboratory	164	126,773	115,198	114,903	118,034	73,854	62,215	56,907	59,163
U. Idaho	165	113,107	112,810	105,895	115,603	51,529	51,450	51,021	56,160
U. Tennessee, Health Science Center	166	96,979	99,716	109,562	115,161	42,396	48,264	56,021	60,221
Rush U.	167	96,267	94,438	107,398	114,874	68,941	65,343	73,279	79,647
U. Massachusetts, Lowell	168	83,996	92,216	94,708	111,144	35,309	41,304	48,179	62,195
U. Maryland, Baltimore County	169	80,632	83,867	84,418	110,319	56,993	59,391	59,882	65,368
Texas State U.	170	64,554	70,714	72,510	110,102	29,614	26,950	31,116	38,936
Brandeis U.	171	60,825	91,355	95,001	102,378	41,475	41,440	43,471	44,205
Colorado School of Mines	172	70,397	78,517	81,443	98,404	49,603	55,560	61,421	66,200
U. Nevada, Las Vegas	173	99,445	105,872	101,009	94,967	28,381	29,252	27,178	28,867
U. North Texas, Denton	174	78,691	84,239	81,252	93,538	17,345	13,653	18,702	23,056

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in both survey populations, ranked by FY 2022 total R&D expenditures: FYs 2019–22**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
Michigan Technological U.	175	80,443	77,927	81,715	91,084	34,709	36,172	41,505	48,766
New Mexico Institute of Mining and Technology	176	24,616	24,591	28,745	89,900	22,864	22,922	24,900	72,594
Saint Louis U.	177	66,103	69,528	79,005	82,740	34,275	34,419	41,411	42,170
Cleveland State U.	178	80,077	78,189	71,451	81,225	51,475	53,756	47,402	53,395
Van Andel Research Institute	179	61,738	58,982	65,789	78,626	18,259	18,538	22,231	29,424
William & Mary	180	64,835	66,763	68,801	75,953	31,983	30,436	29,928	33,730
U. Southern Mississippi	181	76,464	72,322	67,417	72,477	46,924	42,870	44,401	48,368
San Jose State U.	182	44,309	47,301	60,100	71,695	35,143	34,102	30,877	30,984
U. Memphis	183	58,700	69,463	67,092	71,271	18,370	18,063	21,578	24,686
Boston C.	184	61,956	63,063	65,156	68,958	32,475	31,038	34,257	36,560
American U.	185	71,053	71,839	65,912	67,616	15,229	16,123	12,076	14,752
Howard U.	186	44,163	44,933	52,412	67,594	29,978	29,256	35,443	37,331
Northern Arizona U.	187	58,914	64,456	69,129	66,729	35,980	39,387	41,744	43,453
Baylor U.	188	33,304	39,765	48,809	66,014	6,955	8,851	11,025	15,856
CUNY, City C.	189	52,738	45,632	57,361	65,569	33,065	30,106	34,218	38,596
U. Massachusetts, Boston	190	62,018	64,219	63,723	65,215	25,083	27,575	23,673	23,131
Old Dominion U.	191	67,425	65,704	62,332	64,877	31,355	30,330	25,514	27,804
U. Toledo	192	55,006	54,100	53,169	64,654	28,273	27,770	32,601	36,694
U. Texas Rio Grande Valley	193	52,016	56,702	58,187	64,401	13,629	13,093	13,018	18,317
Indiana U.-Purdue U., Indianapolis	194	67,635	70,778	65,330	64,162	27,349	31,862	30,290	29,353
Naval Postgraduate School	195	67,323	62,903	65,101	64,055	54,358	51,870	54,855	44,852
Rochester Institute of Technology	196	58,175	57,777	56,043	62,383	26,359	28,092	31,187	33,373
Florida Atlantic U.	197	51,085	53,845	58,471	61,748	21,667	23,695	28,510	28,641
South Dakota State U.	198	66,794	60,939	51,542	59,590	29,683	22,531	18,607	22,991
Southern Methodist U.	199	42,562	43,081	41,960	57,544	17,869	17,752	17,886	17,680
Worcester Polytechnic Institute	200	39,878	43,092	48,702	56,904	22,964	26,074	30,166	34,004
U. Wisconsin-Milwaukee	201	53,773	61,069	55,664	56,822	23,342	25,354	24,397	24,036
East Carolina U.	202	55,611	57,820	51,662	55,693	17,428	20,168	22,813	29,648
U. California, Office of the President	203	67,702	60,686	50,848	54,640	319	217	653	158
Louisiana State U., Health Sciences Center, New Orleans	204	40,914	43,419	44,370	53,995	31,290	31,381	34,272	33,087
U. Maryland Center for Environmental Science	205	56,033	54,560	51,201	53,718	17,476	15,498	14,072	15,109
Stevens Institute of Technology	206	36,695	44,747	43,386	53,563	28,342	33,461	33,998	41,836
Missouri U. of Science and Technology	207	47,807	47,001	54,437	53,357	22,426	22,860	26,164	28,792
U. Missouri, Kansas City	208	31,956	36,356	33,855	52,657	18,624	22,320	21,203	31,134
Ohio U.	209	53,735	51,914	49,764	52,465	14,802	15,543	19,164	20,587



TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in both survey populations, ranked by FY 2022 total R&D expenditures: FYs 2019–22**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
Kent State U.	210	47,188	50,307	50,408	52,175	13,350	15,004	15,179	16,195
Lehigh U.	211	38,185	38,064	41,279	51,769	26,554	26,816	29,051	36,535
Florida A&M U.	212	42,470	41,319	47,124	50,636	35,362	33,136	36,761	41,943
SUNY, Upstate Medical U.	213	38,091	41,557	44,870	50,586	22,028	23,940	24,974	27,737
Mercer U.	214	44,128	49,116	51,989	50,222	27,035	31,572	34,413	32,504
U. California, Merced	215	44,890	45,966	45,964	48,147	16,850	20,000	18,621	23,421
North Carolina A&T State U.	216	37,339	36,151	40,751	47,908	23,863	22,338	25,755	29,094
Boise State U.	217	39,824	43,307	46,065	47,617	24,493	26,914	31,357	32,015
U. Puerto Rico, Medical Sciences Campus	218	45,014	37,217	44,111	47,578	34,570	27,033	33,262	35,050
Southern Illinois U., Carbondale	219	41,729	41,617	47,210	46,967	12,625	12,735	12,655	13,582
Texas Tech U., Health Sciences Center	220	44,072	44,135	41,583	46,574	11,345	13,043	12,148	14,620
Loyola U., Chicago	221	39,223	39,365	44,036	46,169	23,562	24,018	26,793	26,972
Brigham Young U., Provo	222	39,582	38,569	43,916	45,610	23,901	24,632	30,439	31,636
U. Denver	223	36,551	41,349	38,751	45,561	22,012	24,753	23,415	26,040
Air Force Institute of Technology	224	34,016	35,584	45,703	44,391	21,856	22,854	27,025	32,479
U. South Alabama	225	52,540	51,102	47,610	43,491	19,947	21,825	23,758	23,762
U. North Carolina, Charlotte	226	47,187	50,050	51,877	43,126	26,199	27,618	27,145	26,871
Morehouse School of Medicine	227	31,289	29,813	32,637	42,489	22,461	22,500	25,181	31,339
Portland State U.	228	50,045	43,667	41,311	41,483	33,055	31,315	29,842	30,922
U. North Carolina, Greensboro	229	26,325	28,966	37,033	41,303	18,923	20,447	24,423	29,822
Marquette U.	230	37,777	37,136	37,087	40,638	12,792	13,187	13,918	15,316
U. West Florida	231	38,555	37,397	36,837	38,870	11,506	12,369	13,313	17,114
Catholic U. of America	232	24,484	25,221	35,548	38,191	21,642	22,503	23,128	26,285
Oakland U.	233	18,002	12,949	20,261	38,061	6,690	5,068	7,426	9,533
San Francisco State U.	234	31,888	33,828	35,768	36,617	15,675	15,834	15,993	15,276
U.S. Air Force Academy	235	43,941	42,197	32,086	36,506	35,294	33,554	31,818	35,826
Georgia Southern U.	236	11,166	12,166	37,201	36,362	1,780	1,790	3,373	2,605
Texas A&M U.-Corpus Christi	237	32,944	32,284	30,500	36,014	14,451	13,349	10,967	15,229
CUNY, Hunter C.	238	37,478	38,345	33,816	35,348	23,485	26,025	23,166	21,142
Chapman U.	239	19,592	26,660	25,820	34,212	5,738	7,850	8,574	11,098
U. Texas Health Science Center, Tyler	240	19,606	21,265	27,928	33,872	7,084	7,732	12,007	14,362
California Polytechnic State U., San Luis Obispo	241	25,249	26,605	25,953	33,155	9,720	10,178	11,163	15,084
U. Massachusetts, Dartmouth	242	28,036	26,836	28,729	33,136	7,353	6,506	8,223	11,162
SUNY, C. of Environmental Science and Forestry	243	29,137	29,296	28,440	32,904	7,743	7,809	6,979	7,766
Montclair State U.	244	15,588	17,636	17,390	32,202	4,164	3,782	4,146	5,189

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in both survey populations, ranked by FY 2022 total R&D expenditures: FYs 2019–22**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
Nova Southeastern U.	245	24,567	26,035	24,513	31,189	8,965	10,452	10,386	9,314
Teachers C., Columbia U.	246	24,865	22,630	24,335	30,978	8,054	7,614	8,521	10,177
SUNY, Downstate Health Sciences U.	247	36,015	33,204	34,459	30,918	26,914	26,454	27,620	25,081
U. South Dakota	248	32,028	29,279	27,537	30,322	13,367	13,034	11,664	13,702
Rowan U.	249	22,892	26,018	26,458	29,949	12,064	15,551	17,400	18,613
Illinois Institute of Technology	250	34,334	29,122	29,698	29,791	28,827	24,244	24,762	25,963
Louisiana State U., Health Sciences Center, Shreveport	251	26,262	25,321	24,600	29,502	12,185	11,452	12,359	15,503
Morgan State U.	252	13,253	17,193	20,628	29,482	11,952	14,101	16,319	24,670
Delaware State U.	253	23,017	23,105	23,193	29,016	12,179	14,319	16,460	24,361
Miami U.	254	22,380	24,489	25,138	28,799	9,755	10,473	9,412	10,277
Embry-Riddle Aeronautical U.	255	12,478	17,786	19,830	28,650	8,970	11,542	14,859	23,863
Desert Research Institute	256	26,991	26,428	26,365	28,478	16,745	15,791	16,641	17,341
Rutgers, State U. New Jersey, Newark	257	26,661	28,006	23,854	28,345	15,397	16,196	16,281	16,099
U. Puerto Rico, Rio Piedras	258	24,088	22,895	28,896	28,083	13,943	14,071	15,108	16,905
Western Michigan U. and Homer Stryker M.D. School of Medicine	259	25,071	24,541	25,314	27,768	14,399	13,187	13,944	12,895
Creighton U.	260	24,039	20,339	23,251	27,609	8,265	7,583	8,585	12,022
Wright State U.	261	64,208	49,825	26,259	27,440	41,428	35,321	19,617	20,529
Northern Illinois U.	262	26,570	25,420	25,261	27,068	8,610	8,030	9,080	9,840
Louisiana Tech U.	263	26,143	26,585	27,417	26,591	6,564	7,167	6,428	5,734
Villanova U.	264	22,837	25,505	24,723	25,955	4,085	4,921	5,826	6,476
Marshall U.	265	19,622	22,250	23,620	25,692	9,617	11,078	12,854	16,369
Illinois State U.	266	27,082	31,539	24,152	25,510	9,827	8,719	9,787	8,673
U. Nebraska, central administration	267	18,860	23,672	21,295	25,402	18,523	23,104	20,675	23,872
Central Michigan U.	268	17,102	17,448	21,726	25,105	8,100	7,450	6,919	9,773
U. Nebraska, Omaha	269	14,302	16,134	19,006	24,259	8,807	9,996	13,503	17,301
California State U., Sacramento	270	23,544	24,939	23,699	23,795	5,801	5,693	5,582	6,646
Texas A&M U.-Kingsville	271	22,268	22,745	23,578	23,451	8,419	9,610	9,265	8,225
East Tennessee State U.	272	14,197	13,925	18,449	23,420	7,688	7,329	8,358	9,715
U. Minnesota, Duluth	273	27,530	26,137	23,767	23,362	7,143	6,454	5,325	6,122
Middle Tennessee State U.	274	7,673	8,697	22,531	22,631	2,473	3,062	4,150	4,347
Albany Medical C.	275	23,028	23,510	22,443	22,297	11,827	12,940	13,166	13,384
Eastern Virginia Medical School	276	27,064	20,870	19,415	22,165	19,408	15,748	14,774	17,616
Tuskegee U.	277	20,562	20,973	21,355	21,941	14,825	15,122	15,424	14,911
U. New Orleans	278	15,328	16,594	16,979	21,911	4,353	3,868	3,674	8,270
Kennesaw State U.	279	12,850	17,954	18,880	21,705	2,499	1,983	3,104	3,290



TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in both survey populations, ranked by FY 2022 total R&D expenditures: FYs 2019–22**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
Clarkson U.	280	17,147	15,104	16,765	21,703	8,551	7,095	7,246	8,834
CUNY, Queens C.	281	18,391	16,470	16,063	21,434	13,457	12,726	12,386	14,756
U. Alaska, Anchorage	282	21,724	22,713	21,332	21,024	14,219	15,290	15,079	15,249
U.S. Military Academy	283	10,765	12,473	19,696	20,841	10,528	8,406	13,708	19,708
U. Guam	284	12,249	13,043	17,666	20,481	9,339	9,722	14,316	17,066
Fordham U.	285	20,287	20,456	16,731	20,432	4,218	3,831	4,076	4,856
Prairie View A&M U.	286	18,018	18,723	17,582	20,429	9,346	9,249	9,566	11,665
U. of the Virgin Islands	287	12,236	13,631	15,231	20,259	10,445	11,787	13,099	19,127
South Dakota School of Mines and Technology	288	12,973	14,490	15,746	20,061	9,283	10,659	11,587	15,100
Tarleton State U.	289	13,171	14,890	17,729	20,056	4,632	4,139	4,620	5,055
U. North Carolina, Wilmington	290	17,515	16,544	16,656	20,053	7,174	6,783	6,852	7,178
U. Akron	291	30,020	23,496	17,340	19,943	11,796	10,574	9,024	11,036
California State U., Northridge	292	21,095	21,228	16,573	19,638	16,939	17,261	13,989	15,546
Bowling Green State U.	293	17,026	18,729	18,619	19,342	5,852	6,397	7,263	7,918
New School	294	13,421	13,186	14,281	19,218	1,819	1,050	1,324	1,261
Southern Illinois U., Edwardsville	295	18,088	18,273	18,044	19,152	3,561	3,467	3,844	3,250
California State U., East Bay	296	8,640	9,072	10,852	19,035	2,651	2,348	3,289	8,997
U. North Florida	297	12,341	13,573	15,782	18,394	4,017	4,568	7,267	7,758
Texas Christian U.	298	6,552	15,326	15,336	18,353	2,866	3,168	4,448	5,670
U. Puerto Rico, Mayaguez	299	26,877	26,553	18,368	18,274	15,653	15,842	13,073	16,223
U. Colorado Denver <sup>C</sup>	300	na	na	18,039	18,080	na	na	11,866	12,668
Tennessee State U.	301	15,236	25,942	21,977	18,012	8,962	19,272	15,066	10,859
Meharry Medical C.	302	18,286	13,870	15,840	17,960	16,443	12,573	13,784	15,048
California State U., Long Beach	303	18,664	16,684	15,134	17,807	13,579	12,014	11,178	11,739
Florida Institute of Technology	304	17,876	18,271	23,195	17,706	10,352	10,999	13,049	10,970
Jackson State U.	305	18,160	15,081	16,157	17,481	16,259	13,662	14,038	15,045
U. Tulsa	306	18,648	18,787	17,187	17,416	4,142	4,697	5,876	5,893
Long Island U.	307	5,113	13,997	15,059	17,183	1,839	1,349	2,686	2,652
James Madison U.	308	8,726	10,247	14,687	17,021	2,717	2,609	2,379	2,884
Alcorn State U.	309	14,435	13,710	14,188	16,726	7,540	7,023	7,593	9,361
California State U., Fullerton	310	7,173	5,929	9,006	16,642	4,340	4,121	4,551	6,136
Idaho State U.	311	14,972	14,478	13,953	16,615	7,547	7,849	7,216	9,080
North Carolina Central U.	312	16,227	15,833	14,105	16,600	13,503	12,787	10,676	13,709
CUNY, Advanced Science Research Center	313	8,310	11,373	15,403	16,507	6,859	9,208	11,840	12,580
New York Medical C.	314	19,398	20,137	18,872	16,461	11,061	12,106	10,739	9,070

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in both survey populations, ranked by FY 2022 total R&D expenditures: FYs 2019–22**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
CUNY, Graduate School of Public Health and Health Policy	315	9,521	12,177	15,035	16,423	5,572	8,722	12,254	11,880
Tennessee Technological U.	316	13,801	14,085	15,387	16,398	6,153	6,471	7,625	8,156
CUNY, John Jay C. of Criminal Justice	317	12,295	13,939	11,791	16,233	4,971	5,297	3,519	5,777
California State Polytechnic U., Humboldt	318	15,076	14,236	14,103	15,612	2,103	2,399	1,975	2,421
Loma Linda U.	319	17,938 i	15,984 i	14,029	15,517	12,654 i	11,385 i	10,116	9,134
Western Washington U.	320	11,983	12,823	13,450	15,081	3,978	3,966	4,290	6,347
Charles R. Drew U. of Medicine and Science	321	13,739	13,682	13,228	14,581	10,427	9,863	9,945	10,656
Texas Tech U., Health Sciences Center, El Paso	322	11,883	10,421	11,360	14,206	2,279	1,703	1,831	2,339
Montana Technological U.	323	12,731	12,987	14,933	14,188	4,926	4,322	6,133	5,600
Xavier U. Louisiana	324	10,152	11,387	12,799	14,156	8,679	9,680	11,213	11,733
Duquesne U.	325	16,947	17,485	10,521	13,944	4,552	4,981	5,020	6,309
Northeast Ohio Medical U.	326	18,016	15,758	13,853	13,465	10,107	10,684	9,999	9,400
U. Missouri, Saint Louis	327	14,432	15,352	14,632	13,247	7,059	6,146	5,812	4,573
Rosalind Franklin U. of Medicine and Science	328	16,126	14,601	13,805	12,988	8,865	8,504	9,357	7,292
U. Tennessee, Chattanooga	329	9,280	10,834	11,192	12,808	2,393	3,915	4,507	5,214
Loyola Marymount U.	330	7,272	7,193	12,819	12,773	1,185	1,105	2,170	2,824
U. Hawaii, system office	331	12,159	13,568	12,918	12,646	12,052	13,367	12,688	12,511
California State U., Fresno	332	8,599	8,856	9,213	12,603	2,900	3,117	4,101	5,928
Virginia State U.	333	11,457	10,014	10,123	12,326	6,636	5,642	4,846	7,115
Texas Southern U.	334	4,893	10,138	9,128	12,120	3,238	6,249	5,562	7,550
Sam Houston State U.	335	9,445	12,437	13,315	12,009	3,723	4,764	5,632	4,936
California State U., San Bernardino	336	16,062	10,819	11,607	11,929	8,651	5,886	5,867	6,693
Lincoln U., Jefferson City	337	4,581	5,777	7,621	11,500	2,700	3,636	5,621	8,988
Hampton U.	338	13,605	11,402	11,669	11,462	13,390	11,278	11,517	11,274
Missouri State U.	339	5,910	13,131	10,014	11,162	5,076	12,310	8,931	10,084
Rhode Island C.	340	9,480	10,094	10,990	11,127	3,332	4,128	4,894	5,372
Midwestern U.	341	10,343	10,479	10,961	11,069	1,045	936	1,506	1,609
U. of the District of Columbia	342	4,800	4,590	8,104	10,779	3,283	2,664	6,851	9,859
U.S. Naval Academy	343	13,621	13,123	10,818	10,664	12,991	12,577	10,247	10,147
Salisbury U.	344	9,368	9,496	10,552	10,614	2,290	2,413	3,271	3,734
U. North Texas, Health Science Center	345	50,124	42,766	50,698	10,439	27,260	25,917	32,464	3,172
Winston-Salem State U.	346	2,011	5,781	8,123	10,436	2,011	4,498	4,841	8,903
Central State U.	347	3,766	6,107	8,751	10,274	2,517	3,097	4,165	5,576
U. San Diego	348	6,036	8,607	7,580	10,143	2,511	2,398	2,554	2,911
Wesleyan U.	349	9,958	8,300	8,009	10,101	4,793	4,305	4,032	5,267

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in both survey populations, ranked by FY 2022 total R&D expenditures: FYs 2019–22**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
Fort Valley State U.	350	4,563	4,921	4,842	9,969	4,434	4,806	4,429	7,265
Ball State U.	351	12,145	9,429	8,826	9,932	2,929	2,397	2,469	5,302
Florida Gulf Coast U.	352	5,907	6,671	8,197	9,896	3,773	5,304	4,467	6,482
California State U., Los Angeles	353	12,476	10,590	9,382	9,839	9,288	8,380	7,342	8,605
Alabama A&M U.	354	12,840	8,749	9,180	9,611	8,277	5,643	7,432	9,221
West Texas A&M U.	355	5,437	6,220	9,920	9,438	1,565	1,542	2,195	2,123
Kentucky State U.	356	8,433	7,963	8,756	9,284	4,692	4,456	3,716	4,743
U. Maryland, Eastern Shore	357	7,133	8,092	8,636	9,274	6,983	8,084	8,346	9,062
California State U., San Marcos	358	10,595	13,250	10,213	9,238	9,134	11,547	8,831	7,986
Bryn Mawr C.	359	9,846	11,575	8,987	9,123	1,801	1,531	1,429	1,257
Saint Joseph's U.	360	2,851	3,150	2,922	9,041	373	1,047	1,158	2,520
Western U. of Health Sciences	361	4,951	5,899	6,688	9,029	3,035	4,486	5,620	7,131
California State U., Monterey Bay	362	6,444	5,874	6,882	8,975	3,746	3,889	3,813	5,051
Clark U.	363	10,193	10,277	7,931	8,813	3,495	3,350	2,754	2,500
Clark Atlanta U.	364	9,048	8,452	8,892	8,791	5,689	5,324	5,355	5,895
Towson U.	365	3,423	3,612	3,794	8,788	2,144	2,010	1,758	2,844
Claremont Graduate U.	366	8,715	9,403	7,235	8,382	1,886	809	1,152	1,610
Oklahoma State U., Center for Health Sciences	367	5,408	8,378	7,758	8,368	985	2,618	2,304	3,366
DePaul U.	368	6,144	6,557	6,675	8,362	4,464	5,156	4,518	3,757
Arkansas State U., Jonesboro	369	8,945	8,640	8,422	8,214	4,876	4,712	4,249	3,932
U. Washington, Bothell	370	7,950	7,107	8,311	8,197	3,353	2,815	2,956	4,009
U. Michigan, Dearborn	371	8,813	8,777	7,472	8,180	1,850	2,264	2,366	2,537
Eastern Michigan U.	372	7,175	9,088	7,233	8,025	2,135	2,598	2,237	2,346
U. Hawaii, Hilo	373	6,864	6,992	7,411	8,001	4,924	5,274	5,510	5,292
U. Oklahoma, Tulsa	374	6,373	7,483	7,185	7,945	1,803	1,953	1,267	1,804
California State Polytechnic U., Pomona	375	6,099	7,396	7,011	7,909	3,555	5,514	4,396	5,407
U. Colorado Colorado Springs	376	4,720	5,557	5,338	7,761	3,072	3,508	3,942	5,345
Western Kentucky U.	377	9,281	8,241	6,944	7,720	3,391	3,265	2,348	3,127
William Paterson U.	378	10,122	9,603	7,867	7,574	1,592	1,896	1,893	1,896
U. Arkansas, Little Rock	379	9,975	9,711	7,397	7,530	6,688	7,289	6,939	6,675
U. Arkansas, Pine Bluff	380	9,024	8,540	8,713	7,506	4,299	4,393	3,960	3,306
Yeshiva U.	381	2,420	2,763	5,452	7,274	380	772	1,509	1,695
Appalachian State U.	382	3,268	4,894	4,509	7,189	1,332	1,469	1,694	2,567
Amherst C.	383	6,325	4,906	4,636	7,177	2,118	1,775	1,375	2,862
Edward Via C. of Osteopathic Medicine	384	7,225	7,475	6,629	7,121	749	566	537	482

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in both survey populations, ranked by FY 2022 total R&D expenditures: FYs 2019–22**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
U. Central Oklahoma	385	5,682	5,788	5,997	7,070	1,457	1,444	1,516	1,869
Southern U. and A&M C., Agricultural Research and Extension Center	386	5,448	4,475	6,164	7,048	3,057	2,085	3,588	4,261
Hofstra U.	387	1,744	1,445	5,545	6,939	1,296	997	1,266	2,118
West Virginia State U.	388	5,829	5,775	6,565	6,703	4,592	3,993	4,119	4,278
Grand Valley State U.	389	6,592	6,792	6,809	6,695	1,663	1,831	1,415	1,819
Philadelphia C. of Osteopathic Medicine	390	3,162	3,360	6,186	6,667	346	422	318	40
U. New England	391	7,346	6,886	6,234	6,664	5,269	5,064	3,864	3,660
U. Baltimore	392	12,451	15,054	14,672	6,646	9,103	11,748	11,692	4,853
Langston U.	393	10,719	14,409	6,345	6,481	6,622	9,004	3,089	3,616
Rutgers, State U. New Jersey, Camden	394	3,211	3,950	5,142	6,480	1,096	1,952	2,905	3,349
C. Charleston	395	7,610	5,728	6,361	6,421	4,395	3,087	4,126	4,485
Purdue U., Northwest	396	5,272	5,839	5,647	6,387	2,493	1,996	2,280	3,171
Pennsylvania State U., Behrend	397	3,414	1,743	5,509	6,384	1,427	543	2,286	3,262
Gallaudet U.	398	5,382	4,599	6,126	6,360	2,190	1,841	2,140	3,287
Hope C.	399	2,745	3,822	5,211	6,355	1,361	1,155	1,992	3,691
Wellesley C.	400	8,810	8,088	6,252	6,326	3,602	4,441	3,469	2,915
Indiana U. Pennsylvania	401	8,119	6,531	6,180	6,313	1,810	1,309	1,503	1,797
Abilene Christian U.	402	979	2,631	4,597	6,310	382	999	827	1,032
Roseman U. of Health Sciences	403	4,176	4,380	5,985	6,296	37	56	53	30
Southern Connecticut State U.	404	4,627	5,413	5,750	6,286	803	1,026	713	848
CUNY, Brooklyn C.	405	6,837	7,074	6,318	6,220	4,465	4,651	4,505	4,623
High Tech High Graduate School of Ed.	406	2,223	3,304	5,032	6,203	0	0	0	0
Pacific U.	407	8,753	5,842	4,690	6,128	3,917	2,596	2,072	2,672
Texas Woman's U.	408	4,477	4,135	4,943	6,029	1,864	1,700	1,514	2,091
U. North Carolina, Asheville	409	4,602	4,789	4,844	5,973	1,846	2,405	2,322	2,600
Reed C.	410	3,240	5,155	5,132	5,922	1,423	1,806	1,916	2,139
West Chester U. Pennsylvania	411	6,777	6,414	4,433	5,903	715	724	608	854
Claremont McKenna C.	412	6,214	5,846	4,515	5,893	730	771	637	1,070
Grinnell C.	413	5,500	5,826	4,122	5,867	364	644	344	242
Smith C.	414	6,041	4,685	4,085	5,831	2,892	2,650	2,433	2,403
MGH Institute of Health Professions	415	4,130	3,549	3,037	5,805	3,494	3,014	2,500	4,628
Seton Hall U.	416	7,056	5,718	5,320	5,741	3,982	2,725	2,137	2,092
Morehouse C.	417	4,564	4,825	4,533	5,664	4,494	4,825	4,533	5,664
Williams C.	418	5,188	4,924	4,902	5,657	1,131	1,086	1,152	1,286
Northwest Indian C.	419	2,659	3,650	4,641	5,632	2,520	3,112	3,704	4,298

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in both survey populations, ranked by FY 2022 total R&D expenditures: FYs 2019–22**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
New York Institute of Technology	420	5,820	3,580	4,465	5,555	3,135	1,542	1,988	2,988
Naval War C.	421	5,060	5,944	5,542	5,529	5,060	5,944	5,542	5,529
CUNY, Graduate Center	422	5,399	4,787	4,265	5,509	3,009	2,561	2,496	2,535
Kean U.	423	2,174	2,201	3,538	5,499	1,289	775	362	715
U. Southern Maine	424	6,654	5,635	5,480	5,498	2,551	2,231	2,020	2,201
U.S. Army War C.	425	4,418 i	4,500	4,662 i	5,496 i	4,418 i	4,500	4,662 i	5,496 i
U. Washington, Tacoma	426	3,471	3,504	4,291	5,484	2,808	3,075	3,459	4,553
Des Moines U.	427	1,954	5,021	5,164 i	5,307	845	449	1,019 i	1,589
Lamar U.	428	4,848	4,327	4,734	5,304	2,641	2,146	1,873	1,180
Bucknell U.	429	5,625	5,051 i	4,476	5,259	1,764	1,730 i	1,696	2,539
U. Detroit Mercy	430	5,210	4,786	4,578	5,186	4,936	4,226	3,917	4,663
Oregon Institute of Technology	431	4,793	4,267	4,314	5,086 i	437	326	252	340
U. Central del Caribe	432	3,953	3,931	3,831	5,053	2,705	2,743	2,492	2,807
Barnard C.	433	4,010	3,748	4,632	4,988	2,871	2,800	3,527	3,758
Texas A&M U.-Commerce	434	3,403	4,166	3,827	4,955	836	1,226	1,283	1,776
Memorial Sloan Kettering Cancer Center, Louis V. Gerstner Jr. Graduate S. of Biomedical Sciences	435	3,769	3,737	3,776	4,954	191	342	376	858
California State U., Bakersfield	436	7,591	7,053	6,253	4,815	4,376	4,486	3,827	2,665
Dakota State U.	437	3,710	4,412	3,416	4,684	3,008	3,957	2,603	3,976
CUNY, Lehman C.	438	4,690	4,154	4,181	4,656	3,342	3,197	3,382	3,652
U. Wisconsin-Superior	439	2,250	2,301	2,602	4,615	1,527	1,382	1,843	3,635
U. New Haven	440	5,062	3,843	4,069	4,548	2,786	1,440	2,069	2,447
SUNY, C. of Optometry	441	2,968	3,477	3,460	4,497	1,823	1,688	2,105	2,080
Haverford C.	442	3,752	4,473	3,835	4,487	2,343	2,680	2,455	2,722
Texas A&M International U.	443	6,068	3,067	3,740	4,486	1,847	986	1,243	1,624
Toyota Technological Institute, Chicago	444	3,681	5,887	4,967	4,470	1,934	3,038	3,090	2,199
Franklin and Marshall C.	445	5,041	3,623	3,722	4,440	1,582	1,202	1,363	1,680
Citadel Military C. South Carolina	446	1,120	1,012	2,054	4,374	835	736	1,714	3,741
Carleton C.	447	4,388	3,732	3,800	4,358	1,891	1,236	1,499	1,914
Southern U. and A&M C., Baton Rouge	448	4,492	3,849	4,943	4,344	3,243	2,996	3,770	3,595
Colgate U.	449	3,756	2,913	3,306	4,343	1,202	918	1,440	1,570
Western Illinois U.	450	2,373	2,461	3,532	4,311	1,495	1,801	3,163	4,032
U. of Health Sciences and Pharmacy in St. Louis	451	ne	4,835	5,313	4,280	ne	3,767	4,063	2,523
South Carolina State U.	452	3,659	3,796 i	3,933 i	4,270 i	3,659	3,796 i	3,933 i	4,270 i
California State U., Dominguez Hills	453	1,957	2,065	2,690	4,230	1,261	1,433	2,001	3,156
Santa Clara U.	454	2,319	2,682	3,142	4,225	1,333	1,522	1,930	2,660

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in both survey populations, ranked by FY 2022 total R&D expenditures: FYs 2019–22**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
Swarthmore C.	454	4,203	3,544	3,296	4,225	1,539	1,041	1,414	1,733
California State U., Chico	456	3,232	4,305	4,209	4,177	1,864	2,520	2,258	2,312
Youngstown State U.	457	4,447	4,120	2,775	4,157	2,878	3,308	2,198	3,533
Occidental C.	458	2,458	2,657	3,587	4,139	1,614	1,567	2,348	2,622
U. Nebraska, Kearney	459	2,919	2,640	3,201	4,009	1,240	1,259	1,327	1,900
Fisk U.	460	4,748	3,904	4,320	4,000	4,615	3,811	3,940	3,486
National Defense U.	461	4,231	4,583	3,786	3,920	4,231	4,583	3,786	3,920
Northern Kentucky U.	462	2,363	2,693	3,403	3,888	1,316	1,462	2,156	2,596
Pepperdine U.	463	2,170	2,006	2,655	3,775	914	693	835	883
Sonoma State U.	464	1,656	1,545	2,957	3,774	1,166	936	2,212	2,889
Sacred Heart U.	465	563	1,298	972	3,741	134	691	675	862
U. Wisconsin-Stevens Point	466	4,314	4,764	4,401	3,740	1,884	2,193	1,776	1,235
Coastal Carolina U.	467	2,042	1,903	2,245	3,724	1,294	1,211	948	1,130
Chicago State U.	468	898	980	2,414	3,701	898	978	2,414	3,699
U. Central Arkansas	469	3,477	3,455	3,990	3,684	1,462	1,421	1,640	1,731
Trinity U.	470	3,736	3,472	2,905	3,657	924	1,207	1,078	1,345
Colorado C.	471	2,233	2,291	5,467	3,646	324	196	3,725	1,371
Norfolk State U.	472	8,050	7,153	4,316	3,593	8,046	7,148	3,976	3,398
St. John's U., New York	473	2,352	3,282	2,940	3,592	1,666	1,805	1,950	2,456
U. Texas of the Permian Basin	474	1,642	2,105	3,504	3,577	596	757	1,762	1,538
CUNY, C. Staten Island	475	3,986	3,682	2,860	3,545	2,421	2,295	2,234	2,916
Milwaukee School of Engineering	475	4,026	3,190	3,193	3,545	764	613	751	969
Pace U.	477	3,855	4,272	3,649	3,524	2,579	2,997	2,536	2,534
U. North Carolina, general administration	478	4,154	3,942	4,024	3,522	213	572	408	369
U. Northern Iowa	479	3,628	2,970	3,259	3,486	2,343	1,881	1,995	2,132
Alfred U.	480	5,153	2,780	2,660	3,477	1,580	947	939	1,008
C. New Jersey	481	1,199	1,464	1,912	3,464	985	951	1,079	1,984
Winthrop U.	482	2,189	2,217	2,586	3,424	1,438	1,563	1,495	2,542
St. Edward's U.	483	9,650	9,619	9,527	3,393	6,500	7,700	7,600	1,940
Azusa Pacific U.	484	5,598	7,068	5,318	3,389	137	128	212	282
California State U., Channel Islands	485	1,572	1,497	2,341	3,377	500	553	993	1,638
Murray State U.	486	3,710	3,019	3,844	3,371	2,639	1,929	2,721	2,176
Bowie State U.	487	1,911	1,967	1,398	3,351	1,911	1,967	1,398	3,351
Harvey Mudd C.	488	3,353	2,916	2,359	3,350	1,619	1,748	1,443	1,956
U. Northern Colorado	489	4,571	3,738	3,159	3,308	1,966	1,853	1,942	1,692



TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in both survey populations, ranked by FY 2022 total R&D expenditures: FYs 2019–22**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
Hawaii Pacific U.	490	1,980	1,796	1,849	3,302	1,809	1,699	1,741	2,667
Biola U.	491	2,792	2,868	3,003	3,260	0	0	0	0
U. Texas, Tyler	492	2,063	2,007	2,279	3,246	813	774	929	1,585
Hobart and William Smith Colleges	493	1,919	2,114	1,941	3,228	1,047	1,072	758	1,264
Fayetteville State U.	494	4,695	2,797	3,933	3,206	2,168	1,008	1,988	1,667
Stephen F. Austin State U.	495	3,679	3,672	3,204	3,184	1,332	1,257	1,029	879
Alabama State U.	496	2,577	2,582	2,631	3,178	2,577	2,582	2,338	2,930
Central Washington U.	497	3,223	2,674	2,410	3,176	2,159	1,701	1,778	2,429
Calvin U.	498	1,577	2,107	2,637	3,169	925	927	929	931
CUNY, Baruch C.	499	2,387	2,396	2,521	3,156	1,359	1,470	1,691	1,894
Austin Peay State U.	500	2,285	2,833	2,740	3,149	295	475	597	870
U. Louisiana, Monroe	501	2,364	2,362	2,198	3,128	1,949	2,025	1,465	1,993
Colorado State U., Pueblo	502	3,107	3,104	2,990	3,117	1,282	1,161	1,508	1,278
Lawrence Technological U.	503	1,352	1,521	1,764	3,050	304	405	284	1,109
U. Wisconsin-La Crosse	504	2,692	2,795	3,001	2,942	777	817	895	968
Pennsylvania State U., Harrisburg	505	2,805	1,866	2,938	2,927	80	451	1,616	1,911
CUNY, system office	506	2,619	1,704	1,664	2,900	2,241	884	768	798
Pittsburg State U.	507	2,513	2,173	2,730	2,884	339	477	759	1,167
U. Illinois, Springfield	508	1,876	3,406	2,612	2,881	980	976	1,071	1,210
Morehead State U.	509	2,028	1,883	1,754	2,880	1,651	1,674	1,727	2,086
Saginaw Valley State U.	510	2,818	2,343	2,428	2,862	2,339	1,809	1,899	2,341
Framingham State U.	511	1,540	2,317	2,401	2,830	1,452	179	188	232
Davidson C.	512	1,777	2,263	2,466	2,788	973	1,411	1,151	1,370
Western Carolina U.	513	2,633	2,696	2,847	2,783	1,736	1,707	1,697	1,727
Fort Lewis C.	514	1,460	1,370	1,926	2,765	1,284	1,228	1,746	2,590
Christopher Newport U.	515	1,961	2,608	2,656	2,762	1,285	1,365	1,497	1,701
U. Wisconsin-Green Bay	516	2,083	1,982	1,879	2,713	821	890	876	1,046
Spelman C.	517	2,751	2,750	2,282	2,686	2,004	2,136	1,886	2,539
Johnson C. Smith U.	518	2,148	2,472	2,578	2,685	1,909	2,230	2,049	1,868
U. Richmond	519	2,783	2,469	2,294	2,670	1,575	1,628	1,534	1,624
U. San Francisco	520	2,712	2,161	1,375	2,657	198	148	255	547
Furman U.	521	1,628	2,101	2,431	2,650	1,106	847	1,028	1,280
Bowdoin C.	522	2,991	2,719	2,417	2,648	1,790	1,862	1,836	1,867
U. Virginia's C. Wise	523	ne	2,434	3,310	2,628	ne	952	1,307	786
Middlebury C.	524	1,657	1,720	2,927	2,603	1,558	1,546	2,639	2,281

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in both survey populations, ranked by FY 2022 total R&D expenditures: FYs 2019–22**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
U. South Carolina, Aiken	525	2,481	2,590	2,042	2,595	2,379	2,328	1,884	857
Pomona C.	526	2,985	2,855	2,146	2,589	863	1,123	930	1,217
Vassar C.	527	1,009	1,568	1,606	2,580	909	1,055	918	1,052
Lewis and Clark C.	528	2,750	3,350	2,281	2,566	931	1,268	702	746
Touro U., California	529	3,543	3,551	3,489	2,561	1,540	1,558	1,377	964
Franklin W. Olin C. of Engineering	530	1,655	1,404	1,627	2,554	162	293	636	809
Colby C.	531	1,852	1,536	1,672	2,530	1,093	809	750	1,466
Sul Ross State U.	532	2,352	2,068	2,143	2,526	339	481	505	623
Troy U.	533	1,507	1,692	1,548	2,517	1,355	1,591	1,488	2,296
U. of St. Thomas (MN)	534	1,870	2,679	5,146	2,476	313	450	1,321	527
Bates C.	535	2,135	2,303	2,620	2,468	1,607	1,885	2,079	1,785
Eastern Washington U.	536	2,024	2,282	1,921	2,437	864	1,153	775	855
Southeastern Louisiana U.	537	1,971	2,258	1,723	2,407	803	884	795	1,285
Tougaloo C.	538	3,380	2,102	2,092	2,336	3,380	2,102	2,092	2,336
Pratt Institute	539	ne	ne	2,547	2,325	ne	ne	294	228
Grambling State U.	540	2,836	2,427	2,124	2,306	1,066	787	731	809
Albany C. of Pharmacy and Health Sciences	541	3,383	3,765	3,687	2,276	1,692	1,938	1,900	1,110
Dillard U.	542	2,772	2,523	2,528	2,270	1,390	1,200	1,257	1,422
La Sierra U.	543	1,581	1,647	1,517	2,246	640	618	812	972
St. Cloud State U.	544	3,275	3,056	2,379	2,226	733	459	577	401
Northeastern Illinois U.	545	2,478	2,018	1,913	2,224	2,478	2,018	1,913	2,224
Minnesota State U., Mankato	546	3,392	2,754	2,170	2,206	708	525	575	575
Willamette U.	547	1,953	1,546	1,817	2,183	549	401	896	791
SUNY, Buffalo State	548	2,124	2,253	1,962	2,172	1,225	1,241	977	1,299
Roger Williams U.	549	1,852	1,531	1,854	2,156	1,135	1,045	1,202	1,351
Purdue U., Fort Wayne	550	2,416	2,264	2,495	2,134	544	589	401	313
Mount Holyoke C.	551	2,979	2,016	2,026	2,112	2,074	1,442	1,539	1,511
Dine C.	552	1,126	347	1,570	2,091	1,126	347	1,570	2,091
SUNY, Geneseo	552	2,139	1,642	2,070	2,091	1,206	950	1,273	1,564
Erikson Institute	554	2,279	1,992	1,723	2,068	753	1,006	772	815
U. of the Incarnate Word	555	1,800	1,469	1,982	2,064	1,075	869	1,076	1,078
Lafayette C.	556	1,554	1,390	1,015	2,059	910	755	508	1,300
Lake Superior State U.	557	830	935	1,226	2,056	190	263	605	1,184
Western New England U.	558	283	505	1,973	2,052	161	201	781	648
Palmer C. of Chiropractic, Davenport	559	1,650	1,900	2,233	2,050	1,100	1,400	1,733	1,550

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in both survey populations, ranked by FY 2022 total R&D expenditures: FYs 2019–22**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
Providence C.	560	1,042	1,092	766	2,012	857	913	574	1,649
U. Wisconsin-Oshkosh	561	1,581 i	1,618 i	1,656	1,990	1,099 i	1,092 i	1,083	1,336
Black Hills State U.	562	2,031	1,499	1,280	1,987	1,535	1,287	1,124	1,676
California State U., Stanislaus	563	1,477	1,843	2,085	1,966	964	1,284	1,354	1,056
CUNY, New York City C. of Technology	564	2,711	2,130	1,367	1,955	1,891	1,585	1,197	1,769
Monmouth U.	565	1,294	1,729	1,667	1,938	120	110	174	535
Elizabeth City State U.	566	1,189	1,473	1,717	1,934	1,183	1,455	1,603	1,667
Ferris State U.	567	366	394	853	1,929	93	87	565	549
CUNY, York C.	568	1,621	1,691	1,133	1,912	1,511	1,513	922	1,659
Utah Valley U.	569	151	336	1,154	1,895	122	289	1,028	1,280
Seattle U.	570	2,223	2,060	1,562	1,894	1,307	1,303	1,102	1,143
Northern Michigan U.	571	1,520	1,523	1,364	1,888	311	446	366	571
Savannah State U.	571	1,720	1,804	1,804	1,888	1,709	1,804	1,804	1,881
Hamilton C.	573	2,050	1,869	1,747	1,879	190	144	286	338
Connecticut C.	574	1,894	1,598	1,244	1,875	752	483	439	620
New England C. of Optometry	575	1,223	1,150	1,978	1,868	928	785	1,623	1,609
Northwestern State U. Louisiana	576	2,058	1,940	1,663	1,848	579	598	738	742
U. of the Pacific	577	3,078	1,713	1,371	1,835	2,158	1,375	1,106	1,351
Babson C.	578	1,845	2,352	1,286	1,825	14	14	0	45
U. Houston-Clear Lake	579	1,370	1,363	1,716	1,800	718	632	865	841
Elon U.	580	2,545	1,968	2,032	1,797	284	106	138	428
Wheaton C., Wheaton	581	2,173	1,322	729	1,784	301	324	148	448
Virginia Military Institute	582	727	712	1,351	1,746	234	347	1,075	1,137
Liberty U.	583	1,780	1,894	937	1,736	535	886	120	897
Eastern Connecticut State U.	584	1,659	1,799	1,646	1,734	181	177	108	126
Skidmore C.	584	3,012	2,412	2,335	1,734	2,261	1,827	1,739	861
U. North Georgia	584	2,068	1,905	1,415	1,734	637	542	497	734
Florida Polytechnic U.	587	2,006	1,091	1,269	1,725	338	252	459	706
C. Wooster	588	1,758	1,076	1,396 i	1,717	456	283	510 i	737
Butler U.	589	680	679	1,071	1,691	211	362	741	1,227
Drake U.	589	865	1,201	1,488	1,691	463	730	1,016	1,211
Macalester C.	589	1,808	1,755	1,280	1,691	805	647	617	943
Stockton U.	592	2,634	4,236	1,246	1,657	553	872	486	728
Manhattan C.	593	1,190	1,307	1,864	1,641	245	398	397	440
U. Wisconsin-Eau Claire	594	1,530	1,318	1,852	1,628	748	647	909	681

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in both survey populations, ranked by FY 2022 total R&D expenditures: FYs 2019–22**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
Trinity C., Hartford	595	1,858	1,428	1,775	1,620	1,077	1,019	1,348	1,049
Alaska Pacific U.	596	1,774	1,261	1,036	1,607	451	148	189	581
U. Alaska, Southeast	597	1,341	1,264	1,176	1,570	1,235	1,098	1,046	1,392
Marshall B. Ketchum U.	598	1,430 i	1,357 i	1,351 i	1,559 i	336 i	323 i	343 i	383 i
U. Wisconsin-River Falls	599	1,130	1,107	999	1,546	559	488	212	318
St. Olaf C.	600	1,010	1,032	816	1,532	255	230	271	726
SUNY, C. Brockport	601	1,390	1,719	1,114	1,500	638	781	500	751
Arcadia U.	602	522	1,072	889	1,488	341	750	371	747
U. Houston-Downtown	603	2,216	2,299	1,828	1,485	1,437	1,392	1,169	903
Union C., Schenectady	604	1,740	1,062	1,396	1,479	972	462	976	750
U. Puerto Rico, Humacao	605	1,195	1,456	1,321	1,448	828	1,279	1,137	1,160
U. Ana G. Mendez, Gurabo	606	3,945	2,049	1,574	1,419	951	946	926	1,407
East Stroudsburg U. Pennsylvania	607	677	797	1,440	1,410	460	534	538	598
Norwich U.	608	992	749	890	1,405	768	531	588	940
Suffolk U.	609	2,056	2,106	2,043	1,401	905	844	634	340
U. Puerto Rico, Cayey	610	1,870	1,974	1,881	1,390	963	1,210	1,202	757
U. Puerto Rico, Ponce	611	651	616 i	580	1,369	551	489 i	427	1,089
Indiana State U.	612	1,682	1,471	1,042	1,354	1,190	949	582	894
U. Wisconsin-Platteville	613	1,084 i	1,104 i	1,144 i	1,349 i	339 i	336 i	353 i	435 i
New Mexico Highlands U.	614	1,333	1,090	1,129 i	1,331 i	1,128	1,034	1,085 i	1,288 i
Kenyon C.	615	1,092	908	1,500	1,330	776	714	1,022	1,021
Lincoln Memorial U.	615	ne	ne	ne	1,330	ne	ne	ne	0
West Virginia School of Osteopathic Medicine	617	1,951	1,311	1,255	1,329	414	419	423	468
Southern U., New Orleans	618	596	310	297	1,317	401	256	222	345
Albion C.	619	1,040	1,132	1,127 i	1,300 i	180	272	289 i	323 i
Marymount U.	620	ne	ne	2,307	1,298	ne	ne	337	178
Saint John's U.	620	1,191 i	1,130 i	1,125 i	1,298 i	0 i	0 i	0 i	0 i
Pennsylvania State U., Altoona	622	680	714	678	1,296	134	9	225	222
Keck Graduate Institute	623	1,474 i	1,412 i	1,350 i	1,282	769 i	727 i	685 i	643
United Tribes Technical C.	624	379	976	441	1,270	358	929	405	869
Whitman C.	624	1,083	865	1,034	1,270	704	558	481	434
Northland C.	626	ne	1,101	1,096 i	1,265 i	ne	657	697 i	778 i
New C. Florida	627	962	999	960	1,252	199	114	92	61
Lipscomb U.	628	ne	307 i	321	1,251	ne	206 i	222	283
Texas A&M U.-San Antonio	629	308	567	1,311	1,242	31	89	277	394

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in both survey populations, ranked by FY 2022 total R&D expenditures: FYs 2019–22**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
U. of Mary Washington	630	1,315	1,393	1,123	1,229	577	660	485	501
C. of Saint Benedict	631	1,126 i	1,069 i	1,064 i	1,228 i	45 i	43 i	46 i	51 i
SUNY, Cobleskill	632	ne	625	1,106	1,211	ne	559	243	379
SUNY, Oswego	633	1,781	1,534	1,003	1,209	628	492	415	544
U. Scranton	634	450	595	630	1,207	127	312	394	892
Nevada State C.	635	701	561	1,014	1,191	700	532	1,012	1,167
Heidelberg U.	636	1,237	1,125	1,725	1,184	164	188	308	262
Clafin U.	637	1,746	1,910	1,015	1,179	1,735	1,907	1,005	1,179
U. Maine Farmington	638	526	961	996 i	1,174 i	298 i	666	699 i	862 i
Bentley U.	639	465	777	1,430	1,161	78	246	762	509
Canisius C.	640	950	1,094	1,036	1,160	943	869	597	454
U. Hawaii, Maui C.	641	833	1,033	967	1,147	821	995	951	1,087
Gustavus Adolphus C.	642	808	843	953	1,136	370	365	445	468
Rhode Island School of Design	643	1,027 i	975 i	971 i	1,120 i	246 i	236 i	250 i	279 i
Hartford International U. for Religion and Peace	644	ne	345	512	1,105	ne	0	0	0
Fairfield U.	645	1,279	1,210	849	1,097	594	365	147	197
U. Hartford	646	1,528	1,436	1,252	1,090	1,019	854	766	886
Eastern Kentucky U.	647	1,125	1,010	986	1,089	598	554	530	551
Indiana U., South Bend	648	968	1,249	898	1,075	234	400	337	297
Quinnipiac U.	649	980 i	930 i	926 i	1,069 i	467 i	448 i	475 i	530 i
St. Mary's C. Maryland	650	369	556	349	1,063	255	303	124	599
Albany State U.	651	1,491	1,060	880	1,059	1,065	836	552	628
Benedict C.	651	1,269	649	745	1,059	1,226	635	725	1,057
Radford U.	653	879	774	832	1,056	372	161	253	161
U. Puget Sound	654	1,039	895	1,233	1,051	547	401	591	780
Ursinus C.	655	768	497	835	1,044	565	430	682	743
Andrews U.	656	1,126	1,033	802	1,043	278	263	256	295
Hult International Business School	656	959 i	910 i	953 i	1,043 i	450 i	432 i	466 i	506 i
SUNY, C. Plattsburgh	656	1,729	1,452	1,280	1,043	1,197	950	824	584
U. South Carolina, Beaufort	659	532	599	976	1,041	98	156	464	440
Oberlin C.	660	2,076	1,182	776	1,036	1,576	743	505	492
Central Connecticut State U.	661	1,381	1,572	1,314	1,035	540	901	663	511
Gettysburg C.	662	1,664	913	648	1,030	841	320	268	333
U.S. Coast Guard Academy	663	708	398	155	1,019	565	302	154	898
National U. of Natural Medicine	664	1,245	1,428	850	1,013	760	912	523	685

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in both survey populations, ranked by FY 2022 total R&D expenditures: FYs 2019–22**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
Merrimack C.	665	1,097	503	407	1,010	581	306	337	804
Ithaca C.	666	1,678	1,199	1,030	1,000	1,330	981	685	703
Robert Morris U.	666	ne	ne	ne	1,000	ne	ne	ne	577
American Samoa Community C.	668	860	1,536	815	961	860	1,536	815	961
Roanoke C.	669	826	606	738	955	14	18	10	3
Bridgewater State U.	670	331	345	522	954	15	198	363	821
St. Catherine U.	671	267	963	1,157	933	132	204	270	300
U. Michigan, Flint	671	1,448	1,247	752	933	122	276	113	138
Arkansas Tech U.	673	961	856	751	921	472	382	632	737
La Salle U.	674	1,135	818	829	917	45	14	21	0
Loyola U., New Orleans	675	443	338	476	911	140	4	93	29
Dominican U. California	676	828	786	823	901	705	677	731	794
Texas A&M U.-Central Texas	677	428	623	814	894	45	398	653	788
Saint Mary's U. Minnesota	678	603	610	640	889	491	554	538	638
Midwestern State U.	679	1,100	891	882	886	619	599	515	416
U. Tampa	679	489	559	551	886	114	197	124	418
Loyola U., Maryland	681	663	672	628	866	383	326	339	206
Aaniiih Nakoda C.	682	ne	ne	ne	864	ne	ne	ne	864
Southern Utah U.	683	812	955	773	846	673	741	650	603
Denison U.	684	577	727	786	845	240	573	609	645
Illinois C. of Optometry	685	326	478	490	831	98	97	13	46
Western Colorado U.	686	460	571	559	826	318	403	360	516
U. Puerto Rico, Aguadilla	687	465	562	639	823	235	283	425	617
Kettering U.	688	1,765	2,081	1,315	816	402	568	353	213
Augsburg U.	689	991	883	815	815	496	377	408	370
West Liberty U.	689	908	738	738	815	514	365	406	498
Salve Regina U.	691	495	591	624	813	490	578	624	813
Weber State U.	691	1,081	676	822	813	380	424	423	500
U. Portland	693	942	737	718	811	218	94	90	133
U. Minnesota, Morris	694	1,234	1,004	855	805	195	213	162	150
Colorado Mesa U.	695	372	452	823	802	189	228	664	676
Dickinson C.	696	1,037	929	767	798	324	222	305	238
U. Minnesota, Rochester	697	639	733	730	784	34	122	103	93
Salish Kootenai C.	698	1,252	807	596	782	1,251	802	596	782
Graduate School of the Stowers Institute for Medical Research	699	ne	416	555	780	ne	0	0	0



TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in both survey populations, ranked by FY 2022 total R&D expenditures: FYs 2019–22**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
Stonehill C.	700	1,019	833	695	772	671	674	526	425
Keene State C.	701	1,061	1,063	919	770	1,022	1,043	894	770
Saint Michael's C.	702	1,200	957	876	754	964	775	744	485
Regis U.	703	706	311	476	744	543	156	328	494
Seattle Pacific U.	704	724	643	683	742	647	569	630	639
St. Norbert C.	705	354	304	412	741	0	7	177	474
Angelo State U.	706	815	798	943	740	32	0	20	85
John Carroll U.	707	658	522	374	738	480	437	324	529
U. Ana G. Mendez, Cupey	708	624	818	739	728	608	662	598	728
Augustana U.	709	841	1,038	1,013	724	784	976	1,013	724
Louisiana State U., Shreveport	710	572	494	462	723	366	321	273	568
Indiana Wesleyan U.	711	706	316	878	722	329	54	216	187
U. Wisconsin-Whitewater	712	757	736	760	713	602	525	623	445
Hendrix C.	713	902	649	651	709	805	563	584	629
Bethune-Cookman U.	714	735	636	928	707	735	529	715	494
Auburn U., Montgomery	715	325	312	442	698	222	192	201	464
Touro U., Nevada	716	ne	ne	ne	697	ne	ne	ne	72
Kalamazoo C.	717	635 i	603 i	600 i	692 i	221 i	212 i	225 i	251 i
C. of the Holy Cross	718	477	321	445	688	449	308	425	653
Valparaiso U.	718	763	718	925	688	712	672	805	572
Nicholls State U.	720	738	650	551	687	129	86	182	301
Montana State U., Billings	721	545	399	522	685	435	312	429	518
Salus U.	722	854	650	677	680	696	450	414	417
Dordt U.	723	920	1,106	696	679	768	1,049	594	552
Elmhurst U.	724	224	209	464	676	165	209	459	676
Siena C.	725	944	884	923	675	550	382	265	291
Delta State U.	726	204	592	238	673	199	592	219	661
Lawrence U.	727	508	423	536	671	81	165	248	286
Plymouth State U.	728	880	664	2,318	669	744	558	421	571
Simmons U.	729	472	604	487	668	293	566	466	383
Metropolitan State U. of Denver	730	574	496	416	666	444	304	263	261
San Juan Bautista School of Medicine	731	896	612	598	662	604	202	448	466
Mercyhurst U.	732	1,434 i	1,177 i	920 i	661	489 i	354 i	219 i	82
Iona C.	733	ne	239	411	650	ne	239	411	650
U. North Alabama	733	ne	ne	539	650	ne	ne	331	320

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in both survey populations, ranked by FY 2022 total R&D expenditures: FYs 2019–22**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
U. Ana G. Mendez, Carolina	735	1,099	647	602	645	696	520	489	645
Bluefield State U.	736	595	485	506	642	593	483	501	506
St. Bonaventure U.	736	1,049	585	378	642	243	265	215	386
U. Central Missouri	736	415	401	495	642	219	250	296	399
Fort Hays State U.	739	1,143	1,172	800	641	694	764	482	342
Gonzaga U.	740	187	506	212	640	45	305	107	226
California Lutheran U.	741	1,143	630	1,129	627	256	271	518	298
SUNY, Potsdam	742	235	ne	540	622	135	ne	433	454
Polytechnic U. Puerto Rico	743	2,118	813	821	620	1,884	813	821	620
Coe C.	744	699	561	538	614	353	368	330	401
SUNY, Farmingdale State C.	745	ne	589	606	611	ne	166	180	185
U. West Alabama	746	462	465	239	604	390	401	219	520
Clayton State U.	747	330	346	616	600	298	302	532	498
Widener U., Chester	747	764	586	417	600	342	277	351	474
Castleton U.	749	ne	ne	ne	598	ne	ne	ne	522
Eckerd C.	750	435	406	367	596	162	139	139	201
CUNY, Medgar Evers C.	751	1,397	882	694	595	954	588	470	380
U. South Carolina Upstate	752	257	437	496	594	154	133	216	358
Evergreen State C.	753	563	390	783	586	405	279	256	119
Lewis-Clark State C.	754	599	660	401	582	599	660	349	550
Emerson C.	755	1,145	919	581	581	138	84	198	122
Stetson U.	756	476	670	611	580	372	479	304	379
Touro U., New York	757	470	439	419	576	137	73	77	19
Gannon U.	758	555	351	972	569	18	32	61	150
Point Loma Nazarene U.	759	265	237	505	565	28	162	126	1
Pennsylvania State U., Berks	760	273	372	382	564	261	273	293	507
U. Dallas	760	ne	ne	249	564	ne	ne	5	157
Utica U.	762	598	549	466	562	0	0	0	0
Eastern Illinois U.	763	700	540	529	553	408	256	289	320
Sewanee: U. of the South	764	867	864	668	547	34	35	45	6
Juniata C.	765	560	937	380	545	365	323	229	442
Berry C.	766	553	646	371	541	217	207	332	453
Bryant U.	767	353	302	347	534	234	227	280	394
Saint Francis U.	768	829	878	872	533	25	173	199	221
Rollins C.	769	626	414	533	532	160	165	165	189

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in both survey populations, ranked by FY 2022 total R&D expenditures: FYs 2019–22**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
Southwestern Oklahoma State U.	770	504	484	614	531	218	276	419	303
SUNY, C. Cortland	771	527	255	381	530	397	215	340	396
California State U., Maritime Academy	772	2,959	3,202	2,799	526	617	621	548	192
Indiana U., Southeast	773	557	582	591	523	27	15	64	13
Sonoran U. Health Sciences	774	230	ne	ne	520	0	ne	ne	0
Southwestern U.	774	334	261	408	520	4	3	11	11
A. T. Still U. of Health Sciences	776	644	656	448	517	434	462	257	281
Emporia State U.	777	777	594	586	510	611	517	312	291
Northwest Nazarene U.	778	447	408	442	509	268	178	307	356
Wittenberg U.	779	267	297	445	508	122	165	228	331
Central Wyoming C.	780	ne	ne	ne	504	ne	ne	ne	504
Doane U.	781	1,093	896	699	502	928	762	596	430
Minnesota State U., Moorhead	781	209	169	462	502	50	89	222	246
Cooper Union	783	710	501	545	501	213	233	233	202
Indiana U., Northwest	784	509	488	553	495	148	176	273	203
Pacific Lutheran U.	784	342	449	370	495	57	100	147	170
Lake Forest C.	786	416	372	267	493	73	0	0	37
Indiana U., Kokomo	787	393	483	441	490	6	20	27	75
Keiser U.	788	450	423	443	485	0	0	0	0
Lake Erie C. of Osteopathic Medicine	789	565	472	502	484	0	0	0	0
East Central U.	790	310	251	242	480	264	169	216	447
Wabash C.	791	320	ne	ne	465	244	ne	ne	304
Whitworth U.	791	421	660	403	465	103	140	91	102
Kutztown U. Pennsylvania	793	464	472	292	450	337	276	159	351
Muhlenberg C.	794	539	398	288	447	194	115	28	27
Southern Oregon U.	794	424	493	534	447	235	237	312	135
Niagara U.	796	2,057	1,124	509	440	355	24	34	54
Mills C.	797	1,643	1,541	850	439	840	1,341	683	224
Agnes Scott C.	798	229	152	351	433	126	99	152	260
McNeese State U.	799	370	585	664	432	72	54	17	22
Pennsylvania State U., Great Valley School of Graduate Professional Studies	799	419	ne	927	432	90	ne	457	251
SUNY, C. Old Westbury	801	ne	335	347	428	ne	196	206	243
Palo Alto U.	802	290	417	428	426	157	179	207	205
Oglala Lakota C.	803	683	516	473	424	683	506	473	424
Wilkes U.	804	549	968	372	423	104	518	109	134

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in both survey populations, ranked by FY 2022 total R&D expenditures: FYs 2019–22**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
Life U.	805	207	429	364	419	0	0	0	0
Cornell C.	806	397 i	370	464	409	232 i	228	264	116
Maryland Institute C. of Art	807	494	618	634	407	96	215	309	93
Earlham C.	808	456	165	287	405	19	11	8	0
Francis Marion U.	809	362	216	207	402	236	75	174	289
Western Connecticut State U.	810	713	539	353	399	539	347	201	221
Coppin State U.	811	243	202	299	398	197	168	212	275
Millersville U. Pennsylvania	812	782	402	931	395	574	246	785	213
Moravian U.	813	273	309	255	386	73	91	90	185
Adelphi U.	814	359	351 i	342	377	292	283 i	274	316
Barry U.	815	295	237	343	367	60	9	40	65
Georgia Gwinnett C.	815	610	478	489	367	377	338	372	249
U. Wisconsin-Stout	815	668	555	406	367	341	175	27	61
Bloomsburg U. Pennsylvania	818	734	735	348	365	218	389	137	207
Ramapo C. New Jersey	818	351	441	408	365	304	379	373	319
Augustana C.	820	237	205	271	353	71	56	116	158
Rider U.	820	228	170	322	353	68	58	126	200
Northeastern State U.	822	432	406	279	351	360	330	179	208
Life Chiropractic C.-West	823	ne	ne	ne	350	ne	ne	ne	0
Austin C.	824	376	342	302	349	100	116	85	110
Whittier C.	825	388	248	300	346 i	75	13	0	0 i
Mississippi Valley State U.	826	986	653	391	344	977	646	379	330
Oakwood U.	827	666	538	474	340	401	375	463	329
Westmont C.	827	376	211	295	340 i	118	174	180	201 i
American C. of Financial Services	829	ne	ne	ne	338	ne	ne	ne	0
Pontifical Catholic U. Puerto Rico, Ponce	830	287	239	350	334	85	125	186	97
Truckee Meadows Community C.	830	ne	ne	ne	334	ne	ne	ne	334
Susquehanna U.	832	368	496	360	333	70	61	20	31
Truman State U.	833	285	296	237	327	61	60	46	73
Pennsylvania State U., Abington	834	ne	ne	369	323	ne	ne	279	184
Slippery Rock U. Pennsylvania	834	213	390	295	323	57	79	50	11
Bryn Athyn C.	836	305	432	316	317	0	0	0	0
Centre C.	837	506	376	265	314	88	58	136	173
Future Generations U.	838	286	271 i	270 i	312 i	0	0 i	0 i	0 i
Ouachita Baptist U.	839	318 i	268 i	217	309	250 i	234 i	217	309

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in both survey populations, ranked by FY 2022 total R&D expenditures: FYs 2019–22**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
U. West Georgia	839	508	483	396	i 309	236	220	197	i 174
SUNY, New Paltz	841	494	330	329	308	208	149	114	139
Northern State U.	842	225	240	190	305	128	100	173	174
Saint Martin's U.	842	ne	201	299	305	ne	147	222	203
C. Southern Nevada	844	232	194	335	303	198	183	327	275
Eastern New Mexico U., Portales	844	292	358	355	303	237	298	323	270
Manchester U.	844	541	286	266	303	333	117	134	100
Arkansas C. of Health Education	847	ne	900	672	301	ne	350	69	46
Concordia C., Moorhead	848	ne	275	308	291	ne	94	35	32
MCPHS U.	849	606	473	346	290	122	192	85	80
U. North Carolina, Pembroke	849	620	344	243	290	599	344	243	290
SUNY, Oneonta	851	623	214	214	288	428	115	24	3
Pitzer C.	852	468	313	225	287	140	0	0	0
U. Evansville	853	350	245	284	285	180	65	144	171
Southern Arkansas U.	854	329	275	611	281	126	44	422	113
Columbus State U.	855	ne	261	206	271	ne	93	77	228
Ohio Wesleyan U.	856	325	323	404	267	239	120	275	97
Pennsylvania State U., Wilkes-Barre	856	ne	ne	250	267	ne	ne	249	267
Delaware Valley U.	858	ne	ne	182	265	ne	ne	41	7
Antioch U.	859	ne	ne	ne	263	ne	ne	ne	187
Valdosta State U.	860	424	496	423	262	102	60	123	47
Shaw U.	861	ne	ne	ne	259	ne	ne	ne	168
SUNY, Maritime C.	862	ne	ne	ne	258	ne	ne	ne	0
Bard C.	863	235	242	248	255	63	65	67	69
Converse U.	864	317	185	294	254	258	148	241	209
Ohio Northern U.	865	316	348	471	250	195	242	431	197
Longwood U.	866	353	368	544	249	236	312	412	47
Washington and Lee U.	866	241	214	256	249	201	176	163	179
Southern California U. of Health Sciences	868	443	i 420	i 418	246	353	i 339	i 360	204
Bradley U.	869	1,357	851	416	240	515	235	101	88
LeTourneau U.	870	239	271	346	239	58	125	217	169
Northern New Mexico C.	870	581	404	350	239	581	404	350	239
Alabama C., Osteopathic Medicine	872	370	303	184	236	75	41	17	34
Northwest Missouri State U.	873	192	239	190	231	76	107	100	100
Alverno C.	874	216	237	215	228	0	0	0	0

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in both survey populations, ranked by FY 2022 total R&D expenditures: FYs 2019–22**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2019	2020	2021	2022	2019	2020	2021	2022
Southeast Missouri State U.	874	372	232	228	228	233	148	212	61
Fairleigh Dickinson U.	876	791	656	318	225	767	560	248	222
U. Charleston	877	ne	183 i	198 i	217	ne	183 i	198 i	217
Georgia C. and State U.	878	548	270	247	216	440	160	127	51
Montana State U., Northern	879	236	322	372	214	28	125	148	43
Luther C.	880	451	365	289 i	212	186	145	95 i	45
Eastern Oregon U.	881	472	172	162	206	381	150	143	190
Taylor U.	882	225	232	214	204	0	3	9	16
Maine Maritime Academy	883	358	ne	ne	198	282	ne	ne	198
Jacksonville State U.	884	2,429	1,244	275	197	2,312	1,216	245	113
Pennsylvania State U., Greater Allegheny	885	ne	ne	216	189	ne	ne	77	23
Minot State U.	886	251	253	512	187	238	125	439	143
D'Youville C.	887	383	382	306	178	174	174	175	0
Metropolitan State U.	888	150 i	156 i	162 i	176 i	77 i	80 i	85 i	94 i
DePauw U.	889	308	253	304	175	45	39	89	48
Western Nevada C.	890	ne	ne	ne	171	ne	ne	ne	171
Concordia U., Wisconsin	891	248	293	439	168	222	235	170	150
Baldwin Wallace U.	892	221	ne	210	167	10	ne	20	7
U. Lynchburg	893	ne	ne	150 i	164 i	ne	ne	86 i	93 i
Hamline U.	894	ne	ne	493	162	ne	ne	320	35
Jacksonville U.	894	365	459	460	162	0	0	0	0
U. Tennessee, Martin	894	363	305	199	162	88	74	22	61
U. Maine, Presque Isle	897	ne	ne	ne	161	ne	ne	ne	43
Linfield U.	898	464	319	239	154	167	149	67	7
Benedictine U.	899	175	ne	ne	150	26	ne	ne	64
Loras C.	899	ne	ne	ne	150 i	ne	ne	ne	70 i
All other surveyed institutions	-	670,755	615,310	38,084	0	406,305	377,718	24,025	0

i = imputed. na = not applicable; institution did not exist or did not exist as a separate entity. ne = not eligible; institution did not meet the criteria for inclusion.

<sup>a</sup> Johns Hopkins University includes the Applied Physics Laboratory, with \$2,056,063 thousand in total and \$1,983,078 thousand in federally financed R&D expenditures in FY 2022.<sup>b</sup> 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.<sup>c</sup> 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.<sup>d</sup> 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.

<sup>e</sup> 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):**

Institutions reporting zero expenditures in ranked total for FY 2022 are not listed in this table. 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.

**Source(s):**

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