

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in the standard form and short form survey populations, ranked by FY 2023 total R&D expenditures: FYs 2020–23**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2020	2021	2022	2023	2020	2021	2022	2023
All institutions	-	86,444,096	89,839,693	97,835,067	108,841,148	46,182,382	49,192,709	54,056,186	59,678,935
Johns Hopkins U. <sup>a</sup>	1	3,110,494	3,181,385	3,420,312	3,801,585	2,682,410	2,774,643	2,971,816	3,324,551
U. California, San Francisco	2	1,651,073	1,710,036	1,805,950	2,046,539	676,331	683,179	780,318	858,066
U. Pennsylvania	3	1,579,364	1,631,950	1,791,311	1,953,617	721,308	792,089	873,318	936,469
U. Michigan, Ann Arbor	4	1,673,862	1,639,645	1,770,708	1,925,875	884,880	891,125	970,636	1,041,430
U. Washington, Seattle	5	1,456,902	1,488,645	1,559,708	1,734,091	1,024,195	1,046,377	1,083,090	1,188,836
U. Wisconsin-Madison	6	1,363,931	1,380,075	1,523,513	1,731,949	632,558	646,764	740,854	816,814
U. California, Los Angeles	7	1,392,941	1,454,880	1,536,197	1,721,665	655,030	721,043	848,138	878,571
U. California, San Diego	8	1,403,735	1,425,499	1,533,357	1,705,410	727,289	801,117	970,696	1,083,790
U. North Carolina, Chapel Hill	9	1,159,725	1,205,883	1,361,028	1,549,617	706,145	747,895	827,158	907,710
Stanford U.	10	1,203,950	1,274,483	1,384,555	1,537,846	751,414	811,183	860,125	943,669
Duke U.	11	1,196,638	1,237,686	1,390,538	1,507,996	707,746	776,632	901,807	974,202
New York U.	12	947,293	1,063,704	1,276,038	1,457,424	448,850	547,027	668,381	787,204
Cornell U.	13	1,190,063	1,183,524	1,300,357	1,451,971	562,021	592,359	636,481	705,132
Ohio State U.	14	968,260	1,236,111	1,363,388	1,449,188	539,359	559,797	636,902	694,647
Harvard U.	15	1,239,983	1,254,008	1,308,458	1,435,218	605,603	616,589	628,683	639,953
Georgia Institute of Technology	16	1,048,988	1,114,481	1,231,485	1,405,080	790,518	852,319	940,488	1,083,903
U. Pittsburgh, Pittsburgh	17	1,105,532	1,135,416	1,251,998	1,398,078	689,273	724,993	814,647	916,735
U. Maryland <sup>b</sup>	18	1,103,062	1,142,264	1,228,550	1,385,302	689,125	713,283	750,447	825,546
Columbia U. in the City of New York	19	1,032,909	1,098,570	1,230,924	1,341,952	762,289	831,648	904,346	988,670
Yale U.	20	1,094,135	1,165,148	1,191,201	1,326,807	585,170	647,656	689,270	741,198
U. Minnesota, Twin Cities	21	1,042,382	1,072,961	1,202,084	1,320,183	514,092	570,946	652,384	702,483
Texas A&M U., College Station and Health Science Center	22	1,130,803	1,147,720	1,152,666	1,277,814	517,489	528,057	505,355	546,481
U. Texas M. D. Anderson Cancer Center	23	1,051,297	1,124,971	1,182,536	1,255,190	186,488	217,073	225,659	259,285
Vanderbilt U. and Vanderbilt U. Medical Center	24	824,803	1,019,273	1,086,223	1,253,156	514,299	586,880	666,282	751,019
U. Florida	25	942,223	959,965	1,085,834	1,250,201	397,202	423,154	467,739	529,391
Pennsylvania State U., University Park and Hershey Medical Center	26	991,923	970,544	1,019,940	1,206,793	638,930	622,532	681,159	781,303
Washington U., Saint Louis	27	920,215	989,214	1,047,098	1,168,861	559,882	606,127	681,353	758,464
U. Southern California	28	941,198	955,565	1,039,905	1,154,804	562,120	574,185	601,747	683,819
Northwestern U.	29	874,671	913,178	1,000,695	1,114,269	531,654	572,975	618,771	678,062
Emory U.	30	808,792	852,922	958,281	1,094,328	452,636	515,940	568,149	664,370
U. California, Berkeley	31	840,000	846,872	981,035	1,076,754	349,989	354,478	468,542	496,298
U. Texas, Austin	32	797,199	779,348	845,896	1,035,838	500,409	489,827	536,296	621,223
Massachusetts Institute of Technology	33	987,968	949,076	989,166	1,000,081	488,741	483,526	531,056	559,766
Icahn School of Medicine at Mount Sinai	34	747,014	820,260	893,968	972,476	480,452	554,582	610,646	658,916

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(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2020	2021	2022	2023	2020	2021	2022	2023
U. California, Davis	35	816,693	817,409	883,807	962,399	380,965	373,719	468,468	494,847
U. Arizona	36	760,975	770,031	824,340	955,424	328,807	353,117	374,936	434,700
Arizona State U.	37	673,357	677,303	797,224	903,779	278,150	274,541	309,094	340,880
Indiana U., Bloomington	38	710,850	695,258	751,309	853,056	319,039	326,326	360,300	432,223
Baylor C. of Medicine	39	685,641	716,976	827,005	847,305	315,101	365,472	420,054	440,345
Purdue U., West Lafayette	40	687,144	679,482	754,627	844,570	270,605	295,278	352,890	385,738
Michigan State U.	41	713,197	710,178	759,229	844,076	329,748	349,889	381,504	435,564
Rutgers, State U. New Jersey, New Brunswick	42	688,077	643,955	712,231	831,719	311,743	339,015	351,660	400,930
U. Illinois, Urbana-Champaign	43	689,176	731,268	765,909	821,023	387,853	406,612	420,953	460,491
U. Texas Southwestern Medical Center	44	595,939	632,134	719,002	800,391	242,679	257,611	298,154	336,126
U. Alabama, Birmingham	45	618,226	644,330	713,480	780,479	400,110	423,290	421,223	451,880
Boston U.	46	583,267	652,096	725,402	773,200	339,172	402,443	413,102	409,551
U. Utah	47	607,061	624,737	670,119	723,713	314,023	340,434	367,040	416,079
U. Virginia, Charlottesville	48	652,002	611,313	662,658	714,457	300,348	297,273	332,993	354,748
U. Cincinnati	49	530,138	551,826	615,070	698,642	285,899	309,097	350,392	391,943
U. Colorado Anschutz Medical Campus <sup>c</sup>	50	na	562,855	611,358	686,026	na	363,999	429,949	474,523
U. Iowa	51	538,583	553,876	594,215	662,134	259,639	283,763	314,346	331,824
U. Colorado Boulder	52	525,674	547,724	611,380	651,924	427,869	459,816	507,892	538,715
North Carolina State U.	53	546,290	547,118	583,203	633,251	232,110	239,115	250,582	279,179
U. Chicago	54	458,891	497,651	591,805	628,302	352,447	394,275	456,806	476,689
U. Nebraska, Lincoln and Medical Center <sup>d</sup>	55	na	na	na	617,372	na	na	na	280,120
U. California, Irvine	56	490,597	523,752	534,947	609,614	241,734	255,010	291,393	335,393
Virginia Polytechnic Institute and State U.	57	556,341	542,045	591,861	598,113	210,792	216,733	240,305	282,152
U. Georgia	58	482,786	493,944	545,631	570,956	171,351	188,451	220,343	221,804
Case Western Reserve U.	59	439,778	421,868	467,389	553,740	357,589	340,438	380,423	431,736
Oregon Health and Science U.	60	446,890	452,812	479,226	517,742	321,572	329,016	346,724	374,043
Princeton U.	61	396,502	404,448	461,185	513,365	203,259	205,000	218,390	219,600
U. Miami	62	381,410	375,841	439,300	509,951	224,184	231,001	265,212	291,783
U. Kentucky	63	417,674	429,241	476,517	504,005	200,664	220,703	253,852	265,543
Colorado State U., Fort Collins	64	407,302	447,197	456,911	498,073	287,100	303,901	316,727	354,401
Uniformed Services U. of the Health Sciences	65	324,510	384,490	277,240	496,441	235,202	275,573	194,187	403,671
Scripps Research Institute	66	444,964	485,435	492,639	494,946	243,502	272,181	242,135	278,099
U. Illinois, Chicago	67	412,147	429,585	440,573	492,936	223,030	237,949	251,328	274,424
California Institute of Technology	68	449,651	438,624	478,142	490,672	316,519	293,197	326,401	310,519
Carnegie Mellon U.	69	386,996	402,376	449,707	484,757	217,625	234,993	259,160	279,954

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		2020	2021	2022	2023	2020	2021	2022	2023
U. Rochester	70	397,211	409,255	450,805	481,227	296,241	309,647	334,503	368,190
Virginia Commonwealth U.	71	283,874	364,096	411,729	479,930	152,751	160,995	169,450	184,852
SUNY, U. Buffalo	72	422,038	425,349	439,709	471,569	200,155	210,257	218,231	257,857
U. Kansas	73	368,811	385,637	405,267	466,222	185,007	187,249	200,117	211,111
U. Missouri, Columbia	74	332,180	388,779	432,310	462,435	156,190	163,576	182,432	217,091
U. South Florida <sup>e</sup>	75	333,344	385,965	405,166	461,390	158,958	185,364	206,552	242,224
U. Oklahoma, Norman and Health Science Center	76	362,209	380,048	408,656	436,964	183,728	193,639	210,994	219,964
U. Delaware	77	220,445	231,532	368,107	428,128	144,142	157,725	194,775	202,469
Iowa State U.	78	363,107	360,275	393,184	420,823	165,912	169,177	187,156	195,394
Florida State U.	79	350,430	328,604	355,986	414,463	162,296	150,108	163,744	195,323
Utah State U.	80	304,256	325,223	344,851	401,437	242,156	264,575	280,866	322,336
U. Connecticut	81	280,131	302,329	367,557	390,165	164,848	183,362	230,752	238,701
Rockefeller U.	82	356,217	357,543	360,877	385,168	86,280	96,318	94,693	101,422
Louisiana State U., Baton Rouge	83	286,733	296,673	344,556	384,268	87,895	103,178	111,886	127,243
Washington State U.	84	335,201	357,648	368,396	378,744	154,623	179,536	187,580	207,086
U. Texas Health Science Center, Houston	85	273,862	308,823	342,633	374,105	133,624	165,139	184,205	197,759
Dartmouth C. and Dartmouth Hitchcock Medical Center	86	326,349	330,226	344,126	366,856	142,219	152,335	155,445	168,740
Wichita State U.	87	153,816	192,042	261,519	366,848	53,540	77,427	93,367	142,371
George Washington U.	88	270,369	266,108	275,483	360,260	157,533	161,349	161,867	162,892
Brown U.	89	266,127	276,331	310,780	353,591	185,676	198,574	215,067	239,744
Auburn U., Auburn	90	255,281	266,374	304,439	349,273	73,468	91,157	104,883	125,783
Medical C. Wisconsin	91	264,325	276,850	309,244	346,691	128,783	136,385	152,301	155,403
U. Tennessee, Knoxville	92	320,407	316,273	324,435	338,847	138,402	135,202	149,260	153,637
Oregon State U.	93	268,385	276,955	297,934	337,985	167,494	179,180	192,621	222,169
Georgetown U.	94	258,659	279,932	313,220	337,006	98,682	130,419	127,213	127,370
Albert Einstein C. of Medicine	95	288,654	301,715	318,314	336,238	204,635	214,619	220,780	230,151
Medical U. South Carolina	96	272,590	277,761	284,553	333,826	153,802	162,394	163,395	168,957
U. Notre Dame	97	227,535	240,324	280,604	331,943	104,030	109,891	124,411	147,985
U. Massachusetts, Medical School	98	279,096	347,337	358,204	326,731	192,938	248,873	258,147	223,490
SUNY, Stony Brook U.	99	263,470	274,516	312,698	324,531	146,478	162,972	184,154	192,448
Mississippi State U.	100	280,485	275,143	303,418	319,684	120,616	116,713	138,207	150,804
U. New Mexico	101	243,375	332,566	331,164	316,026	161,627	242,212	232,774	205,351
U. Hawaii, Manoa	102	275,929	271,768	277,323	313,143	163,694	157,772	169,762	192,205
Wake Forest U.	103	244,643	264,216	269,109	308,972	166,596	188,887	180,754	204,713
Florida International U.	104	236,842	246,075	281,665	306,434	103,366	105,309	129,683	156,381

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		2020	2021	2022	2023	2020	2021	2022	2023
U. California, Santa Barbara	105	254,434	248,961	278,897	305,483	123,198	122,168	161,241	179,896
Temple U.	106	299,707	299,778	301,395	292,029	154,600	153,316	143,580	154,516
Northeastern U.	107	200,068	211,342	231,607	288,558	136,273	143,421	150,093	186,013
Woods Hole Oceanographic Institution	108	227,573	262,048	255,017	287,825	191,186	222,351	211,550	238,554
Clemson U.	109	228,597	237,485	263,158	286,503	82,203	89,883	119,512	129,955
SUNY, Polytechnic Institute	110	355,651	465,273	413,763	284,677	27,998	25,427	32,396	34,393
U. Texas Health Science Center, San Antonio	111	202,572	219,734	238,510	281,078	102,959	106,824	119,071	143,730
U. Massachusetts, Amherst	112	219,389	213,824	245,158	268,657	116,170	116,349	129,044	138,849
U. South Carolina, Columbia	113	219,734	215,374	229,162	262,207	90,243	88,529	106,752	124,330
Tulane U.	114	204,430	205,206	222,605	258,439	107,290	113,819	127,544	152,468
Thomas Jefferson U.	115	171,377	200,393	246,212	258,345	74,676	109,448	114,452	110,366
Rice U.	116	198,681	207,404	216,202	255,115	88,768	95,648	105,345	119,853
George Mason U.	117	218,445	214,207	230,068	252,239	104,070	103,712	119,406	125,437
Wayne State U.	118	243,259	235,519	242,247	250,911	113,137	117,976	126,814	128,521
Tufts U.	119	216,241	224,956	231,224	247,276	148,320	166,809	150,081	154,458
U. Central Florida	120	213,757	218,596	221,488	247,259	101,332	109,310	110,131	124,256
West Virginia U.	121	188,452	199,907	214,081	246,173	79,657	89,802	97,327	114,708
Texas Tech U.	122	199,643	197,739	226,729	240,107	31,475	33,938	45,136	58,922
Georgia State U.	123	202,451	206,472	215,908	237,493	78,199	79,834	81,641	91,331
U. Vermont	124	191,147	195,320	216,307	233,806	97,981	103,554	117,163	128,645
U. Texas Medical Branch	125	180,595	185,759	204,518	233,192	114,103	117,915	123,467	150,272
U. Houston	126	200,428	202,536	240,126	231,942	71,779	77,489	84,295	99,450
Montana State U., Bozeman	127	166,285	193,577	200,820	229,682	93,759	113,257	118,974	142,965
U. Dayton	128	163,718	191,228	211,494	228,723	154,101	181,445	203,206	216,729
Oklahoma State U., Stillwater	129	187,060	198,799	195,041	226,498	39,873	47,428	53,885	64,098
U. Louisiana, Lafayette	130	164,070	181,400	205,201	225,924	40,044	65,436	77,110	84,898
U. New Hampshire	131	156,901	167,373	206,392	223,683	100,373	99,323	129,721	152,377
U. Arkansas, Fayetteville	132	165,887	164,443	184,080	221,525	47,454	48,534	64,252	82,164
U. Louisville	133	198,818	200,362	229,582	220,568	88,251	97,179	117,363	100,890
U. Alaska, Fairbanks	134	152,299	172,957	202,516	218,041	101,414	128,229	154,742	156,702
Kansas State U.	135	213,900	203,846	212,974	217,992	79,100	77,779	81,820	82,610
U. California, Riverside	136	184,894	189,600	199,135	214,802	92,503	97,182	114,257	120,524
U. Arkansas for Medical Sciences	137	174,549	194,709	205,493	209,409	70,508	83,387	95,080	94,483
U. California, Santa Cruz	138	150,400	160,615	176,760	203,883	76,468	86,263	107,082	112,847
North Dakota State U.	139	155,645	164,050	174,904	190,330	31,614	42,824	45,343	53,339

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U. Maine	140	134,183	146,801	171,931	188,690	54,376	65,249	84,072	92,870
U. Nevada, Reno	141	159,790	175,386	181,782	188,505	64,793	77,246	83,631	83,603
U. Alabama, Tuscaloosa	142	95,200	129,509	163,204	184,880	43,017	53,880	67,986	86,244
Syracuse U.	143	149,652	151,717	157,407	183,850	31,861	34,200	33,976	46,595
U. North Dakota	144	111,663	143,506	147,717	182,195	44,153	58,463	62,737	65,890
U. Mississippi	145	122,960	116,175	152,903	172,176	82,361	76,886	84,270	85,186
Drexel U.	146	143,123	152,752	151,903	169,583	82,576	93,517	99,399	108,724
U. Oregon	147	114,259	139,193	160,500	164,500	81,278	82,242	97,238	100,265
U. Alabama, Huntsville	148	131,648	149,792	169,532	163,428	104,288	116,971	132,060	126,040
New Jersey Institute of Technology	149	163,447	166,587	167,135	161,078	85,746	77,057	71,326	70,080
U. Texas, San Antonio	150	138,586	145,362	147,629	158,453	34,334	42,952	54,384	58,171
San Diego State U.	151	97,710	107,681	129,762	158,013	41,117	43,473	55,671	68,045
U. Wyoming	152	93,061	93,202	139,764	150,124	57,353	54,444	68,772	68,467
U. Texas, Arlington	153	133,793	126,477	133,770	147,265	44,950	46,946	56,025	56,337
U. Texas, Dallas	154	132,192	122,825	130,914	146,779	55,983	58,249	60,706	66,127
U. Texas, El Paso	155	108,628	109,410	130,501	145,724	39,126	43,930	60,387	70,873
U. Maryland, Baltimore County	156	83,867	84,418	110,319	144,262	59,391	59,882	65,368	86,573
U. Rhode Island	157	109,967	129,296	129,102	144,013	67,242	78,923	93,190	102,056
SUNY, Binghamton U.	158	117,870	124,565	130,882	141,685	24,564	23,225	24,888	31,601
SUNY, U. Albany	159	138,088	114,501	129,796	141,671	67,039	56,425	51,492	62,935
Texas State U.	160	70,714	72,510	110,102	141,291	26,950	31,116	38,936	44,297
Augusta U.	161	103,961	116,480	127,313	139,121	55,797	61,943	64,609	64,410
Brigham Young U., Provo	162	38,569	43,916	45,610	137,748	24,632	30,439	31,636	31,216
U. Idaho	163	112,810	105,895	115,603	135,901	51,450	51,021	56,160	61,531
U. Montana, Missoula	164	110,218	121,571	125,603	133,958	62,067	70,686	73,507	75,490
Rush U.	165	94,438	107,398	114,874	132,394	65,343	73,279	79,647	93,180
U. Tennessee, Health Science Center	166	99,716	109,562	115,161	130,472	48,264	56,021	60,221	70,676
New Mexico State U.	167	107,275	110,580	121,472	126,337	60,971	64,699	71,718	71,764
Rensselaer Polytechnic Institute	168	122,753	119,056	121,809	121,706	52,150	52,465	50,605	56,445
New Mexico Institute of Mining and Technology	169	24,591	28,745	89,900	118,735	22,922	24,900	72,594	100,873
Cold Spring Harbor Laboratory	170	115,198	114,903	118,034	117,483	62,215	56,907	59,163	54,123
U. Massachusetts, Lowell	171	92,216	94,708	111,144	117,336	41,304	48,179	62,195	61,413
U. North Texas, Denton	172	84,239	81,252	93,538	106,665	13,653	18,702	23,056	30,017
Colorado School of Mines	173	78,517	81,443	98,404	104,297	55,560	61,421	66,200	68,795
Michigan Technological U.	174	77,927	81,715	91,084	103,819	36,172	41,505	48,766	52,102

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in the standard form and short form survey populations, ranked by FY 2023 total R&D expenditures: FYs 2020–23**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2020	2021	2022	2023	2020	2021	2022	2023
Brandeis U.	175	91,355	95,001	102,378	103,653	41,440	43,471	44,205	46,654
Touro U., New York <sup>f</sup>	176	439	419	576	100,547	73	77	19	40,008
U. Memphis	177	69,463	67,092	71,271	100,042	18,063	21,578	24,686	26,913
U. Nevada, Las Vegas	178	105,872	101,009	94,967	98,751	29,252	27,178	28,867	38,815
U. North Texas, Health Science Center	179	42,766	50,698	72,675	94,652	25,917	32,464	55,062	77,660
U. North Carolina, Charlotte	180	50,050	51,877	43,126	92,027	27,618	27,145	26,871	33,784
Cleveland State U.	181	78,189	71,451	81,225	87,941	53,756	47,402	53,395	56,550
Indiana U.-Purdue U., Indianapolis	182	70,778	65,330	64,162	87,648	31,862	30,290	29,353	39,869
Saint Louis U.	183	69,528	79,005	82,740	85,921	34,419	41,411	42,170	44,157
Howard U.	184	44,933	52,412	67,594	84,756	29,256	35,443	37,331	47,662
San Jose State U.	185	47,301	60,100	71,695	83,406	34,102	30,877	30,984	31,780
U. Texas Rio Grande Valley	186	56,702	58,187	64,401	82,444	13,093	13,018	18,317	25,068
Baylor U.	187	39,765	48,809	66,014	82,074	8,851	11,025	15,856	17,147
William & Mary	188	66,763	68,801	75,953	81,815	30,436	29,928	33,730	32,631
Boston C.	189	63,063	65,156	68,958	81,425	31,038	34,257	36,560	39,356
Van Andel Research Institute	190	58,982	65,789	78,626	80,748	18,538	22,231	29,424	30,934
Florida Atlantic U.	191	53,845	58,471	61,748	77,593	23,695	28,510	28,641	35,108
Northern Arizona U.	192	64,456	69,129	66,729	77,533	39,387	41,744	43,453	50,491
Naval Postgraduate School	193	62,903	65,101	64,055	77,364	51,870	54,855	44,852	62,715
American U.	194	71,839	65,912	67,616	76,041	16,123	12,076	14,752	17,462
U. Southern Mississippi	195	72,322	67,417	72,477	75,034	42,870	44,401	48,368	48,374
Rochester Institute of Technology	196	57,777	56,043	62,383	72,405	28,092	31,187	33,373	37,334
South Dakota State U.	197	60,939	51,542	59,590	71,340	22,531	18,607	22,991	28,897
Old Dominion U.	198	65,704	62,332	64,877	71,334	30,330	25,514	27,804	31,104
U. Massachusetts, Boston	199	64,219	63,723	65,215	70,978	27,575	23,673	23,131	27,098
Louisiana State U., Health Sciences Center, New Orleans	200	43,419	44,370	53,995	68,707	31,381	34,272	33,087	35,933
U. Toledo	201	54,100	53,169	64,654	67,656	27,770	32,601	36,694	37,872
East Carolina U.	202	57,820	51,662	55,693	67,082	20,168	22,813	29,648	30,851
Worcester Polytechnic Institute	203	43,092	48,702	56,904	66,353	26,074	30,166	34,004	37,736
Florida A&M U.	204	41,319	47,124	50,636	65,159	33,136	36,761	41,943	54,363
U. California, Office of the President	205	60,686	50,848	54,640	63,629	217	653	158	25
CUNY, City C.	206	45,632	57,361	65,569	63,159	30,106	34,218	38,596	38,669
North Carolina A&T State U.	207	36,151	40,751	47,908	62,307	22,338	25,755	29,094	37,152
U. California, Merced	208	45,966	45,964	48,147	62,279	20,000	18,621	23,421	28,576
Missouri U. of Science and Technology	209	47,001	54,437	53,357	61,496	22,860	26,164	28,792	32,457

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in the standard form and short form survey populations, ranked by FY 2023 total R&D expenditures: FYs 2020–23**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2020	2021	2022	2023	2020	2021	2022	2023
U. Puerto Rico, Medical Sciences Campus	210	37,217	44,111	47,578	61,235	27,033	33,262	35,050	46,789
U. Wisconsin-Milwaukee	211	61,069	55,664	56,822	60,712	25,354	24,397	24,036	25,612
Stevens Institute of Technology	212	44,747	43,386	53,563	60,685	33,461	33,998	41,836	44,036
Ohio U.	213	51,914	49,764	52,465	59,877	15,543	19,164	20,587	21,919
Southern Methodist U.	214	43,081	41,960	57,544	59,749	17,752	17,886	17,680	19,986
Kent State U.	215	50,307	50,408	52,175	58,984	15,004	15,179	16,195	17,959
Southern Illinois U., Carbondale	216	41,617	47,210	46,967	58,291	12,735	12,655	13,582	17,209
Morehouse School of Medicine	217	29,813	32,637	42,489	57,125	22,500	25,181	31,339	41,069
Air Force Institute of Technology	218	35,584	45,703	44,391	56,848	22,854	27,025	32,479	45,087
Lehigh U.	219	38,064	41,279	51,769	56,301	26,816	29,051	36,535	39,909
U. Missouri, Kansas City	220	36,356	33,855	52,657	54,565	22,320	21,203	31,134	28,115
CUNY, Graduate Center	221	4,787	4,265	5,509	54,089	2,561	2,496	2,535	2,792
U. Denver	222	41,349	38,751	45,561	53,484	24,753	23,415	26,040	33,148
U. Maryland Center for Environmental Science	223	54,560	51,201	53,718	53,233	15,498	14,072	15,109	15,378
SUNY, Upstate Medical U.	224	41,557	44,870	50,586	53,219	23,940	24,974	27,737	30,069
U. South Alabama	225	51,102	47,610	43,491	53,182	21,825	23,758	23,762	28,637
Boise State U.	226	43,307	46,065	47,617	52,989	26,914	31,357	32,015	35,801
Loyola U., Chicago	227	39,365	44,036	46,169	52,445	24,018	26,793	26,972	29,712
Nova Southeastern U.	228	26,035	24,513	31,189	50,173	10,452	10,386	9,314	11,637
Texas Tech U., Health Sciences Center	229	44,135	41,583	46,574	48,638	13,043	12,148	14,620	14,732
Marquette U.	230	37,136	37,087	40,638	47,819	13,187	13,918	15,316	20,055
Rowan U.	231	26,018	26,458	29,949	47,810	15,551	17,400	18,613	18,454
Catholic U. of America	232	25,221	35,548	38,191	47,022	22,503	23,128	26,285	35,502
Portland State U.	233	43,667	41,311	41,483	46,324	31,315	29,842	30,922	31,731
Mercer U.	234	49,116	51,989	50,222	45,247	31,572	34,413	32,504	29,944
Western Michigan U. and Homer Stryker M.D. School of Medicine	235	24,541	25,314	27,768	45,157	13,187	13,944	12,895	12,631
U.S. Air Force Academy	236	42,197	32,086	36,506	44,880	33,554	31,818	35,826	44,056
U. North Carolina, Greensboro	237	28,966	37,033	41,303	44,521	20,447	24,423	29,822	31,581
Morgan State U.	238	17,193	20,628	29,482	43,868	14,101	16,319	24,670	30,451
East Tennessee State U.	239	13,925	18,449	23,420	42,335	7,329	8,358	9,715	10,776
U. Massachusetts, Dartmouth	240	26,836	28,729	33,136	42,018	6,506	8,223	11,162	13,742
Chapman U.	241	26,660	25,820	34,212	41,791	7,850	8,574	11,098	10,015
U. West Florida	242	37,397	36,837	38,870	40,454	12,369	13,313	17,114	17,954
Georgia Southern U.	243	12,166	37,201	36,362	40,026	1,790	3,373	2,605	3,562
Texas A&M U.-Corpus Christi	244	32,284	30,500	36,014	39,305	13,349	10,967	15,229	17,742

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in the standard form and short form survey populations, ranked by FY 2023 total R&D expenditures: FYs 2020–23**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2020	2021	2022	2023	2020	2021	2022	2023
Montclair State U.	245	17,636	17,390	32,202	38,209	3,782	4,146	5,189	5,916
Oakland U.	246	12,949	20,261	38,061	37,263	5,068	7,426	9,533	9,600
CUNY, Hunter C.	247	38,345	33,816	35,348	37,172	26,025	23,166	21,142	22,124
California Polytechnic State U., San Luis Obispo	248	26,605	25,953	33,155	35,830	10,178	11,163	15,084	14,810
Louisiana State U., Health Sciences Center, Shreveport	249	25,321	24,600	29,502	35,624	11,452	12,359	15,503	18,742
SUNY, Downstate Health Sciences U.	250	33,204	34,459	30,918	35,600	26,454	27,620	25,081	28,543
San Francisco State U.	251	33,828 i	35,768	36,617	34,466	15,834 i	15,993	15,276	16,507
Teachers C., Columbia U.	252	22,630	24,335	30,978	34,183	7,614	8,521	10,177	11,871
Marshall U.	253	22,250	23,620	25,692	33,693	11,078	12,854	16,369	19,797
Delaware State U.	254	23,105 i	23,193	29,016	33,499	14,319 i	16,460	24,361	24,167
Illinois Institute of Technology	255	29,122	29,698	29,791	33,021	24,244	24,762	25,963	28,027
Illinois State U.	256	31,539	24,152	25,510	32,961	8,719	9,787	8,673	13,612
SUNY, C. of Environmental Science and Forestry	257	29,296	28,440	32,904	32,682	7,809	6,979	7,766	9,231
Kennesaw State U.	258	17,954	18,880	21,705	32,497	1,983	3,104	3,290	5,908
U. Texas Health Science Center, Tyler	259	21,265	27,928	33,872	32,077	7,732	12,007	14,362	12,555
Louisiana Tech U.	260	26,585	27,417	26,591	31,676	7,167	6,428	5,734	8,118
Villanova U.	261	25,505	24,723	25,955	31,513	4,921	5,826	6,476	8,741
U. Nebraska, Omaha	262	16,134	19,006	24,259	30,841	9,996	13,503	17,301	22,096
Desert Research Institute	263	26,428	26,365	28,478	30,716	15,791	16,641	17,341	20,061
U. South Dakota	264	29,279	27,537	30,322	29,855	13,034	11,664	13,702	14,101
Rutgers, State U. New Jersey, Newark	265	28,006	23,854	28,345	29,787	16,196	16,281	16,099	16,315
U. Puerto Rico, Rio Piedras	266	22,895	28,896	28,083	29,202	14,071	15,108	16,905	16,053
Northern Illinois U.	267	25,420	25,261	27,068	29,134	8,030	9,080	9,840	10,849
Creighton U.	268	20,339	23,251	27,609	28,443	7,583	8,585	12,022	12,681
Miami U.	269	24,489	25,138	28,799	28,430	10,473	9,412	10,277	10,724
Tennessee State U.	270	25,942	21,977 i	18,012	28,246	19,272	15,066 i	10,859	15,983
California State U., Sacramento	271	24,939	23,699	23,795	28,027	5,693	5,582	6,646	11,284
Embry-Riddle Aeronautical U.	272	17,786	19,830	28,650	27,451	11,542	14,859	23,863	23,733
CUNY, Graduate School of Public Health and Health Policy	273	12,177	15,035	16,423	26,651	8,722	12,254	11,880	13,413
Texas A&M U.-Kingsville	274	22,745	23,578	23,451	26,401	9,610	9,265	8,225	9,584
Wright State U.	275	49,825	26,259	27,440	26,189	35,321	19,617	20,529	19,081
California State U., Fullerton	276	5,929	9,006	16,642	25,811	4,121	4,551	6,136	6,049
Tuskegee U.	277	20,973	21,355	21,941	25,625	15,122	15,424	14,911	16,023
U. Minnesota, Duluth	278	26,137	23,767	23,362	25,534	6,454	5,325	6,122	7,533
CUNY, Queens C.	279	16,470	16,063	21,434	25,492	12,726	12,386	14,756	17,811



TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in the standard form and short form survey populations, ranked by FY 2023 total R&D expenditures: FYs 2020–23**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2020	2021	2022	2023	2020	2021	2022	2023
Clarkson U.	280	15,104	16,765	21,703	25,399	7,095	7,246	8,834	10,611
Central Michigan U.	281	17,448	21,726	25,105	25,363	7,450	6,919	9,773	9,591
Florida Gulf Coast U.	282	6,671	8,197	9,896	24,899	5,304	4,467	6,482	9,858
U. Tulsa	283	18,787	17,187	17,416	24,845	4,697	5,876	5,893	8,545
Texas Christian U.	284	15,326	15,336	18,353	24,050	3,168	4,448	5,670	7,627
Eastern Virginia Medical School	285	20,870	19,415	22,165	23,991	15,748	14,774	17,616	17,947
Fordham U.	286	20,456	16,731	20,432	23,832	3,831	4,076	4,856	4,687
Tarleton State U.	287	14,890	17,729	20,056	23,345	4,139	4,620	5,055	5,478
U. North Florida	288	13,573	15,782	18,394	23,269	4,568	7,267	7,758	8,113
Albany Medical C.	289	23,510	22,443	22,297	23,259	12,940	13,166	13,384	14,193
California State U., Northridge	290	21,228	16,573	19,638	23,093	17,261	13,989	15,546	19,169
CUNY, John Jay C. of Criminal Justice	291	13,939	11,791	16,233	22,967	5,297	3,519	5,777	7,452
New School	292	13,186	14,281	19,218	22,680	1,050	1,324	1,261	1,337
U. Colorado Denver <sup>C</sup>	293	na	18,039	18,080	22,530	na	11,866	12,668	17,181
U. Guam	294	13,043	17,666	20,481	22,388	9,722	14,316	17,066	18,992
Loma Linda U.	295	15,984 <sup>i</sup>	14,029	15,517	22,262	11,385 <sup>i</sup>	10,116	9,134	12,485
Meharry Medical C.	296	13,870	15,840	17,960	22,002	12,573	13,784	15,048	18,398
Southern Illinois U., Edwardsville	297	18,273	18,044	19,152	21,927	3,467	3,844	3,250	3,621
U. North Carolina, Wilmington	298	16,544	16,656	20,053	21,879	6,783	6,852	7,178	8,116
Prairie View A&M U.	299	18,723	17,582	20,429	21,791	9,249	9,566	11,665	12,354
U. Akron	300	23,496	17,340	19,943	21,525	10,574	9,024	11,036	10,709
California State U., Long Beach	301	16,684	15,134	17,807	21,458	12,014	11,178	11,739	13,758
California State U., East Bay	302	9,072	10,852	19,035	21,312	2,348	3,289	8,997	8,508
James Madison U.	303	10,247	14,687	17,021	21,265	2,609	2,379	2,884	3,475
Tennessee Technological U.	304	14,085	15,387	16,398	20,797	6,471	7,625	8,156	9,975
Bowling Green State U.	305	18,729	18,619	19,342	20,726	6,397	7,263	7,918	8,208
U.S. Military Academy	306	12,473	19,696	20,841	20,493	8,406	13,708	19,708	19,390
U. New Orleans	307	16,594	16,979	21,911	20,396	3,868	3,674	8,270	5,283
South Dakota School of Mines and Technology	308	14,490	15,746	20,061	20,337	10,659	11,587	15,100	14,640
U. of the Virgin Islands	309	13,631	15,231	20,259	20,259	11,787	13,099	19,127	19,127
U. Alaska, Anchorage	310	22,713	21,332	21,024	19,850	15,290	15,079	15,249	12,646
Charles R. Drew U. of Medicine and Science	311	13,682	13,228	14,581	19,551	9,863	9,945	10,656	13,297
Jackson State U.	312	15,081	16,157	17,481	19,457	13,662	14,038	15,045	16,443
Alcorn State U.	313	13,710	14,188	16,664 <sup>i</sup>	19,141	7,023	7,593	9,294 <sup>i</sup>	10,996
California State Polytechnic U., Humboldt	314	14,236	14,103	15,612	18,800	2,399	1,975	2,421	3,280

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in the standard form and short form survey populations, ranked by FY 2023 total R&D expenditures: FYs 2020–23**

(Dollars in thousands)

Institution	Rank	Total				Federally financed						
		2020	2021	2022	2023	2020	2021	2022	2023			
North Carolina Central U.	315	15,833	14,105	16,600	18,477	i	12,787	10,676	13,709	15,188	i	
Montana Technological U.	316	12,987	14,933	14,188	18,375		4,322	6,133	5,600	9,585		
Idaho State U.	317	14,478	13,953	16,615	17,548		7,849	7,216	9,080	9,230		
CUNY, Advanced Science Research Center	318	11,373	15,403	16,507	17,309		9,208	11,840	12,580	11,916		
Towson U.	319	3,612	3,794	8,788	17,198		2,010	1,758	2,844	3,653		
New York Medical C.	320	20,137	18,872	16,461	17,113		12,106	10,739	9,070	8,226		
Florida Institute of Technology	321	18,271	23,195	17,706	16,859		10,999	13,049	10,970	11,520		
Long Island U.	322	13,997	15,059	17,183	16,612		1,349	2,686	2,652	1,993		
Texas Southern U.	323	10,138	9,128	12,120	16,287		6,249	5,562	7,550	10,969		
Western Washington U.	324	12,823	13,450	15,081	15,874		3,966	4,290	6,347	6,598		
Alabama A&M U.	325	8,749	9,180	i	9,611		15,588	5,643	7,432	i	9,221	12,197
Fort Valley State U.	326	4,921	4,842		9,969		15,536	4,806	4,429	7,265	7,505	
Xavier U. Louisiana	327	11,387	12,799		14,156		15,519	9,680	11,213	11,733	12,833	
Duquesne U.	328	17,485	10,521		13,944		14,989	4,981	5,020	6,309	6,555	
U. Tennessee, Chattanooga	329	10,834	11,192		12,808		14,671	3,915	4,507	5,214	6,003	
Missouri State U.	330	13,131	10,014		11,162		14,654	12,310	8,931	10,084	12,973	
Salisbury U.	331	9,496	10,552		10,614		14,557	2,413	3,271	3,734	5,049	
U. Hawaii, system office	332	13,568	12,918		12,646		14,172	13,367	12,688	12,511	14,150	
Loyola Marymount U.	333	7,193	12,819		12,773		14,086	1,105	2,170	2,824	2,921	
U. Puerto Rico, Mayaguez	334	26,553	18,368		18,274		13,989	15,842	13,073	16,223	12,260	
Virginia State U.	335	10,014	10,123		12,326		13,504	5,642	4,846	7,115	7,166	
DePaul U.	336	6,557	6,675		8,362		13,267	5,156	4,518	3,757	5,592	
Texas Tech U., Health Sciences Center, El Paso	337	10,421	11,360		14,206		13,189	1,703	1,831	2,339	2,415	
California State U., San Bernardino	338	10,819	11,607		11,929		13,152	5,886	5,867	6,693	7,606	
Northeast Ohio Medical U.	339	15,758	13,853		13,465		13,116	10,684	9,999	9,400	8,873	
U. San Diego	340	8,607	7,580		10,143		12,902	2,398	2,554	2,911	3,501	
U. Missouri, Saint Louis	341	15,352	14,632		13,247		12,808	6,146	5,812	4,573	4,569	
Midwestern U.	342	10,479	10,961		11,069		12,725	936	1,506	1,609	2,862	
Oklahoma State U., Center for Health Sciences	343	8,378	7,758		8,368		12,500	2,618	2,304	3,366	4,773	
Sam Houston State U.	344	12,437	13,315		12,009		11,760	4,764	5,632	4,936	3,307	
Ball State U.	345	9,429	8,826		9,932		11,650	2,397	2,469	5,302	6,355	
Rosalind Franklin U. of Medicine and Science	346	14,601	13,805		12,988		11,629	8,504	9,357	7,292	7,124	
Kentucky State U.	347	7,963	8,756		9,284		11,591	4,456	3,716	4,743	7,605	
Clark U.	348	10,277	7,931		8,813		11,539	3,350	2,754	2,500	2,235	
California State U., San Marcos	349	13,250	10,213		9,238		11,443	11,547	8,831	7,986	9,845	

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in the standard form and short form survey populations, ranked by FY 2023 total R&D expenditures: FYs 2020–23**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2020	2021	2022	2023	2020	2021	2022	2023
California State U., Fresno	350	8,856	9,213	12,603	11,411	3,117	4,101	5,928	4,864
Central State U.	351	6,107	8,751	10,274	11,123	3,097	4,165	5,576	5,523
U.S. Naval Academy	352	13,123	10,818	10,664	10,920	12,577	10,247	10,147	10,260
U. Michigan, Dearborn	353	8,777	7,472	8,180	10,839	2,264	2,366	2,537	3,464
Wesleyan U.	354	8,300	8,009	10,101	10,828	4,305	4,032	5,267	5,955
U. Maryland, Eastern Shore	355	8,092	8,636	9,274	10,730	8,084	8,346	9,062	10,201
California State Polytechnic U., Pomona	356	7,396	7,011	7,909	10,722	5,514	4,396	5,407	8,162
Pacific U.	357	5,842	4,690	6,128	10,719	2,596	2,072	2,672	7,133
California State U., Monterey Bay	358	5,874	6,882	8,975	10,678	3,889	3,813	5,051	5,639
Pepperdine U.	359	2,006	2,655	3,775	10,632	693	835	883	674
Langston U.	360	14,409	6,345	6,481	10,505	9,004	3,089	3,616	5,473
Clark Atlanta U.	361	8,452	8,892	8,791	10,320	5,324	5,355	5,895	7,687
West Texas A&M U.	362	6,220	9,920	9,438	10,302	1,542	2,195	2,123	2,118
California State U., Los Angeles	363	10,590	9,382	9,839	10,186	8,380	7,342	8,605	8,973
Kean U.	364	2,201	3,538	5,499	10,062	775	362	715	1,870
Gallaudet U.	365	4,599	6,126	6,360	9,894	1,841	2,140	3,287	5,523
Hampton U.	366	11,402	11,669	11,462	9,769	11,278	11,517	11,274	9,445
U. San Francisco	367	2,161	1,375	2,657	9,633	148	255	547	1,015
Middle Tennessee State U.	368	8,697	22,531	22,631	9,577	3,062	4,150	4,347	3,822
Rutgers, State U. New Jersey, Camden	369	3,950	5,142	6,480	9,527	1,952	2,905	3,349	3,042
Western Kentucky U.	370	8,241	6,944	7,720	9,298	3,265	2,348	3,127	3,401
Lamar U.	371	4,327	4,734	5,304	9,168	2,146	1,873	1,180	2,259
U. Northern Colorado	372	3,738	3,159	3,308	9,064	1,853	1,942	1,692	1,705
Bryn Mawr C.	373	11,575	8,987	9,123	9,039	1,531	1,429	1,257	1,289
Western U. of Health Sciences	374	5,899	6,688	9,029	8,929	4,486	5,620	7,131	6,099
U. Arkansas, Little Rock	375	9,711	7,397	7,530	8,685	7,289	6,939	6,675	7,544
Saint Joseph's U.	376	3,150	2,922	9,041	8,675	1,047	1,158	2,520	2,680
Winston-Salem State U.	377	5,781	8,123	10,436	8,668	4,498	4,841	8,903	7,901
Yeshiva U.	378	2,763	5,452	7,274	8,661	772	1,509	1,695	1,229
CUNY, Brooklyn C.	379	7,074	6,318	6,220	8,535	4,651	4,505	4,623	5,518
Appalachian State U.	380	4,894	4,509	7,189	8,479	1,469	1,694	2,567	3,497
Eastern Michigan U.	381	9,088	7,233	8,025	8,363	2,598	2,237	2,346	2,521
Lincoln U., Jefferson City	382	5,777	7,621	11,500	8,196	3,636	5,621	8,988	4,610
Abilene Christian U.	383	2,631	4,597	6,310	8,182	999	827	1,032	946
Hofstra U.	384	1,445	5,545	6,939	8,162	997	1,266	2,118	1,995

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in the standard form and short form survey populations, ranked by FY 2023 total R&D expenditures: FYs 2020–23**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2020	2021	2022	2023	2020	2021	2022	2023
Amherst C.	385	4,906	4,636	7,177	8,152	1,775	1,375	2,862	2,869
U. Hawaii, Hilo	386	6,992	7,411	8,001	8,112	5,274	5,510	5,292	6,068
Southern Connecticut State U.	387	5,413	5,750	6,286	8,007	1,026	713	848	1,433
U. of the District of Columbia	388	4,590	8,104	10,779	7,945	2,664	6,851	9,859	7,367
U. Central Oklahoma	389	5,788 i	5,997 i	7,070 i	7,870 i	1,444 i	1,516 i	1,869 i	2,071 i
South Carolina State U.	390	4,697 i	5,735 i	6,773 i	7,814	4,076 i	4,493 i	4,910 i	5,330
U. Arkansas, Pine Bluff	391	8,540	8,713	7,506	7,766	4,393	3,960	3,306	4,204
Southern U. and A&M C., Agricultural Research and Extension Center	392	4,475	6,164	7,048	7,764	2,085	3,588	4,261	4,688
Pennsylvania State U., Behrend	393	1,743	5,509	6,384	7,614	543	2,286	3,262	4,378
Edward Via C. of Osteopathic Medicine	394	7,475	6,629	7,121	7,597	566	537	482	678
Grinnell C.	394	5,826	4,122	5,867	7,597	644	344	242	1,082
Purdue U., Northwest	396	5,839	5,647	6,387	7,504	1,996	2,280	3,171	3,409
Philadelphia C. of Osteopathic Medicine	397	3,360	6,186	6,667	7,459	422	318	40	442
MGH Institute of Health Professions	398	3,549	3,037	5,805	7,426	3,014	2,500	4,628	6,200
Arkansas State U., Jonesboro	399	8,640	8,422	8,214	7,323	4,712	4,249	3,932	3,083
Claremont Graduate U.	400	9,403	7,235	8,382	7,262	809	1,152	1,610	1,422
C. Charleston	401	5,728	6,361	6,421	7,231	3,087	4,126	4,485	5,036
Seton Hall U.	402	5,718	5,320	5,741	7,068	2,725	2,137	2,092	2,778
Texas A&M U.-Commerce	403	4,166	3,827	4,955	7,029	1,226	1,283	1,776	1,936
U. Colorado Colorado Springs	404	5,557	5,338	7,761	7,012	3,508	3,942	5,345	5,205
Claremont McKenna C.	405	5,846	4,515	5,893	6,925	771	637	1,070	1,035
Texas Woman's U.	406	4,135	4,943	6,029	6,922	1,700	1,514	2,091	2,439
Hope C.	407	3,822	5,211	6,355	6,910	1,155	1,992	3,691	3,639
U. North Carolina, Asheville	408	4,789	4,844	5,973	6,761	2,405	2,322	2,600	3,323
U. New England	409	6,886	6,234	6,664	6,756	5,064	3,864	3,660	4,777
Reed C.	410	5,155	5,132 i	5,922 i	6,750 i	1,806	1,916 i	2,139 i	2,420 i
U. Baltimore	411	15,054	14,672	6,646	6,615	11,748	11,692	4,853	4,250
Williams C.	412	4,924 i	4,902 i	5,657 i	6,448 i	1,086 i	1,152 i	1,286 i	1,455 i
California State U., Bakersfield	413	7,053	6,253	4,815	6,409	4,486	3,827	2,665	3,525
Barnard C.	414	3,748	4,632	4,988	6,320	2,800	3,527	3,758	4,235
Wellesley C.	414	8,088	6,252	6,326	6,320	4,441	3,469	2,915	2,921
U. Washington, Tacoma	416	3,504	4,291	5,484	6,243	3,075	3,459	4,553	3,875
Grand Valley State U.	417	6,792	6,809	6,695	6,231	1,831	1,415	1,819	1,808
Norfolk State U.	418	7,153	4,316	3,593	6,194	7,148	3,976	3,398	4,381
Northwest Indian C.	419	3,650 i	4,641 i	5,632	6,184 i	3,112 i	3,704 i	4,298	4,595 i

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in the standard form and short form survey populations, ranked by FY 2023 total R&D expenditures: FYs 2020–23**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2020	2021	2022	2023	2020	2021	2022	2023
West Chester U. Pennsylvania	420	6,414	4,433	5,903	6,132	724	608	854	1,386
Azusa Pacific U.	421	7,068	5,318	3,389	6,097	128	212	282	140
Roseman U. of Health Sciences	422	4,380	5,985	6,296	6,065	56	53	30	38
Indiana U. Pennsylvania	423	6,531	6,180	6,313	6,052	1,309	1,503	1,797	1,702
U.S. Army War C.	424	4,500	4,662 i	5,496 i	6,035 i	4,500	4,662 i	5,496 i	6,035 i
California State U., Chico	425	4,305	4,209	4,177	5,984	2,520	2,258	2,312	3,152
Smith C.	426	4,685	4,085	5,831	5,954	2,650	2,433	2,403	3,013
High Tech High Graduate School of Ed.	427	3,304	5,032	6,203	5,939	0	0	0	0
U. Southern Maine	428	5,635	5,480	5,498	5,930	2,231	2,020	2,201	2,598
CUNY, Lehman C.	429	4,154	4,181	4,656	5,918	3,197	3,382	3,652	4,487
Bucknell U.	430	5,051 i	4,476	5,259	5,887	1,730 i	1,696	2,539	2,359
U. Oklahoma, Tulsa	431	7,483	7,185	7,945	5,826	1,953	1,267	1,804	1,328
Naval War C.	432	5,944	5,542	5,529	5,819	5,944	5,542	5,529	5,819
New York Institute of Technology	433	3,580	4,465	5,555	5,790	1,542	1,988	2,988	3,252
Morehouse C.	434	4,825	4,533	5,664	5,750	4,825	4,533	5,664	5,750
U. Washington, Bothell	435	7,107	8,311	8,197	5,738	2,815	2,956	4,009	3,787
U. North Carolina, general administration	436	3,942	4,024	3,522	5,735	572	408	369	0
Santa Clara U.	437	2,682	3,142	4,225	5,679	1,522	1,930	2,660	3,448
Rhode Island School of Design	438	3,918 i	4,499 i	5,080 i	5,661	287 i	294 i	301 i	311
Swarthmore C.	439	3,544	3,296	4,225	5,620	1,041	1,414	1,733	2,315
Texas A&M International U.	440	3,067	3,740	4,486	5,602	986	1,243	1,624	1,966
Oregon Institute of Technology	441	4,267	4,314	5,086 i	5,585 i	326	252	340	1,375
California State U., Dominguez Hills	442	2,065	2,690	4,230	5,558	1,433	2,001	3,156	2,457
Providence C.	443	1,092	766	2,012	5,533	913	574	1,649	4,648
Memorial Sloan Kettering Cancer Center, Louis V. Gerstner Jr. Graduate S. of Biomedical Sciences	444	3,737	3,776	4,954	5,324	342	376	858	273
Trinity U.	445	3,472	2,905	3,657	5,296	1,207	1,078	1,345	2,203
Dakota State U.	446	4,412	3,416	4,684	5,253	3,957	2,603	3,976	2,437
West Virginia State U.	447	5,775	6,565	6,703	5,226	3,993	4,119	4,278	2,800
Southern U. and A&M C., Baton Rouge	448	3,849	4,943	4,344	5,201	2,996	3,770	3,595	4,444
Suffolk U.	449	2,106	2,043	1,401	5,164	844	634	340	893
Pennsylvania State U., Harrisburg	450	1,866	2,938	2,927	5,159	451	1,616	1,911	3,045
U. Detroit Mercy	451	4,786	4,578	5,186	5,142	4,226	3,917	4,663	4,434
Colgate U.	452	2,913	3,306	4,343	4,930	918	1,440	1,570	1,521
Sul Ross State U.	453	2,068	3,004 i	3,940 i	4,878	481	843 i	1,205 i	1,568
U. Central del Caribe	453	3,931	3,831	5,053	4,878	2,743	2,492	2,807	2,929

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in the standard form and short form survey populations, ranked by FY 2023 total R&D expenditures: FYs 2020–23**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2020	2021	2022	2023	2020	2021	2022	2023
Spelman C.	455	2,750	2,282	2,686	4,877	2,136	1,886	2,539	4,567
Fisk U.	456	3,904	4,320	4,000	4,867	3,811	3,940	3,486	3,819
U. Wisconsin-Superior	457	2,301	2,602	4,615	4,825	1,382	1,843	3,635	3,559
Sacred Heart U.	458	1,298	972	3,741	4,733	691	675	862	639
CUNY, C. Staten Island	459	3,682	2,860	3,545	4,730	2,295	2,234	2,916	3,296
Coastal Carolina U.	460	1,903	2,245	3,724	4,729	1,211	948	1,130	1,847
Occidental C.	461	2,657	3,587	4,139	4,718	1,567	2,348	2,622	2,967
Toyota Technological Institute, Chicago	462	5,887	4,967	4,470	4,636	3,038	3,090	2,199	2,127
Lawrence Technological U.	463	1,521	1,764	3,050	4,632	405	284	1,109	1,786
Sonoma State U.	464	1,545	2,957	3,774	4,625	936	2,212	2,889	3,483
U. Wisconsin-Stevens Point	465	4,764	4,401	3,740	4,589	2,193	1,776	1,235	2,079
U. Northern Iowa	466	2,970	3,259	3,486	4,564	1,881	1,995	2,132	2,975
Colby C.	467	1,536	1,672	2,530	4,454	809	750	1,466	3,011
SUNY, C. of Optometry	468	3,477	3,460	4,497	4,423	1,688	2,105	2,080	2,469
U. of Health Sciences and Pharmacy in St. Louis	469	4,835	5,313	4,280	4,343	3,767	4,063	2,523	3,110
CUNY, system office	470	1,704	1,664	2,900	4,296	884	768	798	2,901
Carleton C.	471	3,732	3,800	4,358	4,185	1,236	1,499	1,914	2,800
Alfred U.	472	2,780	2,660	3,477	4,154	947	939	1,008	1,958
Pomona C.	473	2,855	2,146	2,589	4,149	1,123	930	1,217	1,205
Franklin and Marshall C.	474	3,623	3,722	4,440	4,111	1,202	1,363	1,680	1,469
Trinity C., Hartford	475	1,428	1,775	1,620	4,099	1,019	1,348	1,049	687
Haverford C.	476	4,473	3,835	4,487	4,088	2,680	2,455	2,722	2,344
CUNY, Baruch C.	477	2,396	2,521	3,156	4,084	1,470	1,691	1,894	1,879
Keck Graduate Institute	478	1,412	1,350	1,282	4,059	727	685	643	2,338
Pace U.	479	4,272	3,649	3,524	4,056	2,997	2,536	2,534	2,698
California State U., Channel Islands	480	1,497	2,341	3,377	3,992	553	993	1,638	1,773
St. John's U., New York	481	3,282	2,940	3,592	3,955	1,805	1,950	2,456	2,792
Austin Peay State U.	482	2,833	2,740	3,149	3,950	475	597	870	1,401
Seattle U.	483	2,060	1,562	1,894	3,949	1,303	1,102	1,143	1,165
Des Moines U.	484	5,021	5,164	5,307	3,932	449	1,019	1,589	556
Western Illinois U.	485	2,461	3,532	4,311	3,824	1,801	3,163	4,032	3,283
Northern Kentucky U.	486	2,693	3,403	3,888	3,790	1,462	2,156	2,596	2,413
Troy U.	487	1,692	1,548	2,517	3,785	1,591	1,488	2,296	3,069
Citadel Military C. South Carolina	488	1,012	2,054	4,993	3,757	736	1,714	4,360	3,287
Chicago State U.	489	980	2,414	3,701	3,756	978	2,414	3,699	3,756

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in the standard form and short form survey populations, ranked by FY 2023 total R&D expenditures: FYs 2020–23**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2020	2021	2022	2023	2020	2021	2022	2023
Central Washington U.	490	2,674	2,410	3,176	3,683	1,701	1,778	2,429	2,499
Harvey Mudd C.	491	2,916	2,359	3,350	3,682	1,748	1,443	1,956	1,968
U. Nebraska, Kearney	492	2,640	3,201	4,009	3,681	1,259	1,327	1,900	1,739
Stephen F. Austin State U.	493	3,672	3,204	3,184	3,661	1,257	1,029	879	1,098
U. New Haven	494	3,843	4,069	4,548	3,602	1,440	2,069	2,447	2,227
Fayetteville State U.	495	2,797	3,933	3,206	3,569	1,008	1,988	1,667	1,847
Christopher Newport U.	496	2,608	2,656	2,762	3,507	1,365	1,497	1,701	2,055
U. Texas, Tyler	497	2,007	2,279	3,246	3,487	774	929	1,585	1,652
New Mexico Highlands U.	498	1,090	1,882	2,674	3,468	1,034	1,828	2,622	3,416
Roger Williams U.	499	1,531	1,854	2,156	3,465	1,045	1,202	1,351	1,973
Fort Lewis C.	500	1,370	1,926	2,765	3,372	1,228	1,746	2,590	2,816
Bowdoin C.	501	2,719	2,417	2,648	3,339	1,862	1,836	1,867	2,186
Milwaukee School of Engineering	502	3,190	3,193	3,545	3,317	613	751	969	722
Hamilton C.	503	1,869	1,747	1,879	3,285	144	286	338	413
Youngstown State U.	504	4,120	2,775	4,157	3,244	3,308	2,198	3,533	2,691
Alabama State U.	505	2,582	2,631	3,178	3,229	2,582	2,338	2,930	2,848
Murray State U.	506	3,019	3,844	3,371	3,193	1,929	2,721	2,176	2,058
Winthrop U.	507	2,217	2,586	3,424	3,189	1,563	1,495	2,542	2,358
Saginaw Valley State U.	508	2,343	2,428	2,862	3,143	1,809	1,899	2,341	2,503
U. Central Arkansas	509	3,455	3,990	3,684	3,092	1,421	1,640	1,731	1,824
U. Richmond	510	2,469	2,294	2,670	3,058	1,628	1,534	1,624	1,379
Minnesota State U., Mankato	511	2,754	2,170	2,206	3,055	525	575	575	905
Dine C.	512	347	1,570	2,091	3,054	347	1,570	2,091	2,255
Marian U., Indianapolis	513	ne	ne	ne	3,009	ne	ne	ne	918
Pittsburg State U.	514	2,173	2,730	2,884	2,979	477	759	1,167	1,591
Middlebury C.	515	1,720	2,927	2,603	2,975	1,546	2,639	2,281	2,564
East Stroudsburg U. Pennsylvania	516	797	1,440	1,410	2,928	534	538	598	909
Davidson C.	517	2,263	2,466	2,788	2,926	1,411	1,151	1,370	1,340
U. Wisconsin-La Crosse	518	2,795	3,001	2,942	2,921	817	895	968	714
Hawaii Pacific U.	519	1,796	1,849	3,302	2,913	1,699	1,741	2,667	1,942
St. Cloud State U.	520	3,056	2,379	2,226	2,901	459	577	401	689
Touro U., California	521	3,551	3,489	2,561	2,877	1,558	1,377	964	1,279
Southeastern Louisiana U.	522	2,258	1,723	2,407	2,858	884	795	1,285	1,366
CUNY, New York City C. of Technology	523	2,130	1,367	1,955	2,819	1,585	1,197	1,769	2,498
Purdue U., Fort Wayne	524	2,264	2,495	2,134	2,804	589	401	313	226

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in the standard form and short form survey populations, ranked by FY 2023 total R&D expenditures: FYs 2020–23**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2020	2021	2022	2023	2020	2021	2022	2023
U. Wisconsin-Green Bay	525	1,982	1,879	2,713	2,801	890	876	1,046	1,222
U. Wisconsin-River Falls	526	1,107	999	1,546	2,772	488	212	318	551
U. Texas of the Permian Basin	527	2,105	3,504	3,577	2,769	757	1,762	1,538	1,013
Lewis and Clark C.	528	3,350	2,281	2,566	2,686	1,268	702	746	776
Tougaloo C.	529	2,102	2,092	2,336	2,663	2,102	2,092	2,336	2,643
Morehead State U.	530	1,883	1,754	2,880	2,658	1,674	1,727	2,086	1,718
C. New Jersey	531	1,464	1,912	3,464	2,641	951	1,079	1,984	1,755
SUNY, Buffalo State U.	532	2,253	1,962	2,172	2,636	1,241	977	1,299	1,615
Bowie State U.	533	1,967	1,398	3,351	2,612	1,967	1,398	3,351	2,469
Marymount U.	534	ne	2,307	1,298	2,601	ne	337	178	396
Vassar C.	535	1,568	1,606	2,580	2,596	1,055	918	1,052	1,204
Albany C. of Pharmacy and Health Sciences	536	3,765	3,687	2,276	2,594	1,938	1,900	1,110	1,256
SUNY, Cobleskill	537	625	1,106	1,211	2,566	559	243	379	730
Calvin U.	538	2,107	2,637	3,169	2,555	927	929	931	854
U. South Carolina Upstate	539	437	496	594	2,554	133	216	358	330
Eastern Washington U.	540	2,282	1,921	2,437	2,546	1,153	775	855	1,015
Lake Superior State U.	541	935	1,226	2,056	2,545	263	605	1,184	1,475
Elon U.	542	1,968	2,032	1,797	2,544	106	138	428	479
Western Carolina U.	543	2,696	2,847	2,783	2,543	1,707	1,697	1,727	1,600
Mount Holyoke C.	544	2,016	2,026	2,112	2,533	1,442	1,539	1,511	1,612
Monmouth U.	545	1,729	1,667	1,938	2,517	110	174	535	762
U. Illinois, Springfield	546	3,406	2,612	2,881	2,508	976	1,071	1,210	1,057
Colorado C.	547	2,291	5,467	3,646	2,498	196	3,725	1,371	611
La Sierra U.	548	1,647	1,517	2,246	2,496	618	812	972	1,066
National Defense U.	549	4,583	3,786	3,920	2,494	4,583	3,786	3,920	2,494
New England C. of Optometry	550	1,150	1,978	1,868	2,491	785	1,623	1,609	1,946
Franklin W. Olin C. of Engineering	551	1,404	1,627	2,554	2,450	293	636	809	641
Erikson Institute	552	1,992	1,723	2,068	2,414	1,006	772	815	1,245
Wheaton C., Wheaton	553	1,322	729	1,784	2,403	324	148	448	428
Stockton U.	554	4,236	1,246	1,657	2,386	872	486	728	688
Skidmore C.	555	2,412	2,335	1,734	2,384	1,827	1,739	861	1,288
Hobart and William Smith Colleges	556	2,114	1,941	3,228	2,373	1,072	758	1,264	1,019
Virginia Military Institute	557	712	1,351	1,746	2,350	347	1,075	1,137	1,534
Benedict C.	558	649	745	1,059	2,307	635	725	1,057	1,665
California State U., Stanislaus	559	1,843	2,085	1,966	2,305	1,284	1,354	1,056	1,150



TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in the standard form and short form survey populations, ranked by FY 2023 total R&D expenditures: FYs 2020–23**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2020	2021	2022	2023	2020	2021	2022	2023
Dillard U.	560	2,523	2,528	2,270	2,296	1,200	1,257	1,422	1,228
U. of St. Thomas (MN)	561	2,679	5,146	2,476	2,280	450	1,321	527	531
Furman U.	562	2,101	2,431	2,650	2,267	847	1,028	1,280	1,300
Northeastern Illinois U.	563	2,018	1,913	2,224	2,262	2,018	1,913	2,224	2,262
Black Hills State U.	564	1,499	1,280	1,987	2,260	1,287	1,124	1,676	1,918
Florida Polytechnic U.	564	1,091	1,269	1,725	2,260	252	459	706	1,172
U. South Carolina, Aiken	566	2,590	2,042	2,595	2,250	2,328	1,884	857	782
U. of the Incarnate Word	567	1,469	1,982	2,064	2,245	869	1,076	1,078	1,086
C. Wooster	568	1,076	1,396 i	1,717	2,209	283	510 i	737	594
U. Louisiana, Monroe	569	2,362	2,198	3,128	2,203	2,025	1,465	1,993	1,655
U. Wisconsin-Eau Claire	570	1,318	1,852	1,628	2,191	647	909	681	1,027
U. Ana G. Mendez, Gurabo	571	2,049	1,574	1,419	2,132	946	926	1,407	2,132
U. Houston-Clear Lake	572	1,363	1,716	1,800	2,127	632	865	841	1,273
Bates C.	573	2,303	2,620	2,468	2,118	1,885	2,079	1,785	1,455
U. Wisconsin-Oshkosh	574	1,618 i	1,656	1,990	2,087	1,092 i	1,083	1,336	1,249
John Carroll U.	575	522	374	738	2,083	437	324	529	916
U. Puerto Rico, Humacao	576	1,456	1,321	1,448	2,074	1,279	1,137	1,160	1,822
Northwestern State U. Louisiana	577	1,940	1,663	1,848	2,057 i	598	738	742	822 i
Utah Valley U.	578	336	1,154	1,895	2,015	289	1,028	1,280	1,671
Lafayette C.	579	1,390	1,015	2,059	1,991	755	508	1,300	1,141
U. of the Pacific	580	1,713	1,371	1,835	1,972	1,375	1,106	1,351	1,300
U. Houston-Downtown	581	2,299	1,828	1,485	1,967	1,392	1,169	903	1,495
SUNY, Geneseo	582	1,642	2,070	2,091	1,958	950	1,273	1,564	1,292
Babson C.	583	2,352	1,286	1,825	1,957	14	0	45	224
Lipscomb U.	584	307 i	321	1,251	1,946	206 i	222	283	309
Macalester C.	585	1,755	1,280	1,691	1,935	647	617	943	1,094
Albany State U.	586	1,060	880	1,059	1,932	836	552	628	1,681
Ferris State U.	587	394	853	1,929	1,915	87	565	549	1,430
Liberty U.	588	1,894	937	1,736	1,900	886	120	897	532
Union C., Schenectady	589	1,062	1,396	1,479	1,881	462	976	750	729
SUNY, C. Brockport	590	1,719	1,114	1,500	1,877	781	500	751	813
Northern Michigan U.	591	1,523	1,364	1,888	1,871	446	366	571	560
Alaska Pacific U.	592	1,261	1,036	1,607	1,823	148	189	581	627
U. Alaska, Southeast	593	1,264	1,176	1,570	1,822	1,098	1,046	1,392	1,463
Marshall B. Ketchum U.	594	1,357 i	1,351 i	1,559 i	1,777 i	323 i	343 i	383 i	433 i

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in the standard form and short form survey populations, ranked by FY 2023 total R&D expenditures: FYs 2020–23**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2020	2021	2022	2023	2020	2021	2022	2023
Nevada State C.	595	561	1,014	1,191	1,744	532	1,012	1,167	1,711
Palmer C. of Chiropractic, Davenport	596	1,900	2,233	2,050	1,725	1,400	1,733	1,550	1,500
Drake U.	597	1,201	1,488	1,691	1,724	730	1,016	1,211	954
St. Olaf C.	597	1,032	816	1,532	1,724	230	271	726	933
SUNY, C. Plattsburgh	599	1,452	1,280	1,043	1,722	950	824	584	1,121
CUNY, York C.	600	1,691	1,133	1,912	1,711	1,513	922	1,659	1,504
Savannah State U.	601	1,804	1,804	1,888	1,706	1,804	1,804	1,881	1,675
Seattle Pacific U.	602	643	683	742	1,671	569	630	639	581
U. North Georgia	603	1,905	1,415	1,734	1,643	542	497	734	477
Elizabeth City State U.	604	1,473	1,717	1,934	1,641	1,455	1,603	1,667	1,093
Lincoln Memorial U.	604	ne	ne	1,330	1,641	ne	ne	0	2
Norwich U.	606	749	890	1,405	1,637	531	588	940	1,366
Colorado State U., Pueblo	607	3,104	2,990	3,117	1,624	1,161	1,508	1,278	952
U. Puget Sound	608	895	1,233	1,051	1,613	401	591	780	1,300
Johnson C. Smith U.	609	2,472	2,578 i	2,685	1,602	2,230	2,049 i	1,868	1,554
Eckerd C.	610	406	367	596	1,599	139	139	201	632
SUNY, Oswego	611	1,534	1,003	1,209	1,595	492	415	544	894
Indiana U., South Bend	612	1,249	898	1,075	1,593	400	337	297	420
Texas A&M U.-San Antonio	612	567	1,311	1,242	1,593	89	277	394	1,233
Bentley U.	614	777	1,430	1,161	1,589	246	762	509	802
Dickinson C.	615	929	767	798	1,584	222	305	238	700
Whitman C.	616	865	1,034	1,270	1,568	558	481	434	449
Merrimack C.	617	503	407	1,010	1,560	306	337	804	892
Pratt Institute	618	ne	2,547	2,325	1,558	ne	294	228	50
Willamette U.	619	1,546	1,817	2,183	1,542	401	896	791	490
U. Hartford	620	1,436	1,252	1,090	1,533	854	766	886	1,269
U. Puerto Rico, Cayey	621	1,974	1,881	1,390	1,519	1,210	1,202	757	733
Hartford International U. for Religion and Peace	622	345	512	1,105	1,485	0	0	0	0
Fairfield U.	623	1,210	849	1,097	1,484	365	147	197	180
U. Wisconsin-Platteville	624	1,104 i	1,144 i	1,349 i	1,481 i	336 i	353 i	435 i	465 i
Saint John's U.	625	1,130 i	1,125 i	1,298 i	1,479 i	0 i	0 i	0 i	0 i
U. South Carolina, Beaufort	626	599	976	1,041	1,466	156	464	440	889
Biola U.	627	2,868 i	3,003 i	3,260	1,461	0 i	0 i	0	0
West Virginia School of Osteopathic Medicine	628	1,311	1,255	1,329	1,459 i	419	423	468	500 i
Eastern Connecticut State U.	629	1,799	1,646	1,734	1,449	177	108	126	210

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in the standard form and short form survey populations, ranked by FY 2023 total R&D expenditures: FYs 2020–23**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2020	2021	2022	2023	2020	2021	2022	2023
Eastern Kentucky U.	630	1,010	986	1,089	1,446	554	530	551	798
Northland C.	631	1,101	1,096 i	1,265 i	1,442 i	657	697 i	778 i	880 i
Connecticut C.	632	1,598	1,244	1,875	1,440	483	439	620	648
Robert Morris U.	633	ne	ne	1,277 i	1,419	ne	ne	605 i	664
Clafin U.	634	1,910	1,015	1,179	1,418	1,907	1,005	1,179	1,418
Oberlin C.	635	1,182	776	1,036	1,408	743	505	492	880
C. of Saint Benedict	636	1,069 i	1,064 i	1,228 i	1,400 i	43 i	46 i	51 i	58 i
Butler U.	637	679	1,071	1,691	1,396	362	741	1,227	1,077
United Tribes Technical C.	638	976	441	1,270	1,387	929	405	869	1,337
U. Hawaii, Maui C.	639	1,033	967	1,147	1,376	995	951	1,087	1,234
Kenyon C.	640	908	1,500	1,330	1,371	714	1,022	1,021	1,092
Plymouth State U.	641	664	2,318	669	1,361	558	421	571	877
National U. of Natural Medicine	642	1,428	850	1,013	1,336	912	523	685	862
St. Edward's U.	643	9,619	9,527	3,393	1,334	7,700	7,600	1,940	315
Indiana State U.	644	1,471	1,042	1,354	1,327	949	582	894	980
Illinois C. of Optometry	645	478	490	831	1,324	97	13	46	19
Arcadia U.	646	1,072	889	1,488	1,321	750	371	747	772
Radford U.	647	774	832	1,056	1,315	161	253	161	109
U. North Texas, Dallas	648	ne	ne	ne	1,293	ne	ne	ne	50
U. Maine Farmington	649	961	996 i	1,174 i	1,289 i	666	699 i	862 i	922 i
Auburn U., Montgomery	650	312	442	698	1,281	192	201	464	864
California Lutheran U.	651	630	1,129	627	1,279	271	518	298	490
Nicholls State U.	652	650	551	687	1,259	86	182	301	624
Southern Utah U.	652	955	773	846	1,259	741	650	603	990
Andrews U.	654	1,033	802	1,043	1,255	263	256	295	445
Heidelberg U.	655	1,125	1,725	1,184	1,254	188	308	262	197
Manhattan C.	656	1,307	1,864	1,641	1,250	398	397	440	422
U. Michigan, Flint	657	1,247	752	933	1,243	276	113	138	258
Aaniiih Nakoda C.	658	ne	ne	864	1,226	ne	ne	864	1,226
U. Virginia's C. Wise	659	2,434	3,310	2,628	1,223	952	1,307	786	447
Quinnipiac U.	660	930 i	926 i	1,069 i	1,218 i	448 i	475 i	530 i	600 i
Pennsylvania State U., Altoona	661	714	678	1,296	1,215	9	225	222	297
U. Minnesota, Rochester	662	733	730	784	1,192	122	103	93	32
Juniata C.	663	937	380	545	1,177	323	229	442	1,012
U. Scranton	664	595	630	1,207	1,169	312	394	892	866

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in the standard form and short form survey populations, ranked by FY 2023 total R&D expenditures: FYs 2020–23**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2020	2021	2022	2023	2020	2021	2022	2023
Western Colorado U.	665	571	559	826	1,166	403	360	516	641
Hult International Business School	666	910 i	953 i	1,043 i	1,159 i	432 i	466 i	506 i	555 i
Ursinus C.	667	497	835	1,044	1,150	430	682	743	942
U. of Mary Washington	668	1,393	1,123	1,229	1,115	660	485	501	406
Western New England U.	668	505	1,973	2,052	1,115	201	781	648	538
Loyola U., Maryland	670	672	628	866	1,110	326	339	206	544
Gettysburg C.	671	913	648	1,030	1,099	320	268	333	517
Southern Oregon U.	672	493	534	447	1,092	237	312	135	612
New C. Florida	673	999	960	1,252	1,080	114	92	61	146
Keene State C.	674	1,063	919	770	1,071	1,043	894	770	834
St. Catherine U.	675	963	1,157	933	1,060	204	270	300	673
American Samoa Community C.	676	1,536	815	961 i	1,055 i	1,536	815	961 i	1,027 i
Berry C.	677	646	371	541	1,046	207	332	453	993
La Salle U.	678	818	829	917	1,045 i	14	21	0	0 i
Polytechnic U. Puerto Rico	679	813	821	620	1,039	813	821	620	1,039
St. Bonaventure U.	680	585	378	642	1,037	265	215	386	554
Valparaiso U.	681	718	925	688	1,036	672	805	572	920
Midwestern State U.	682	891	882	886	1,027	599	515	416	491
Weber State U.	683	676	822	813	1,026	424	423	500	759
Carthage C.	684	ne	ne	ne	1,013	ne	ne	ne	722
Denison U.	685	727	786 i	845	1,012	573	609 i	645	589
Southern U., New Orleans	686	310	297	1,317	1,004	256	222	345	536
Dominican U. California	687	786 i	823 i	901 i	1,001 i	677 i	731 i	794 i	871 i
Rollins C.	688	414	533	532	995	165	165	189	415
Bluefield State U.	689	485	506	642	987	483	501	506	574
U. Portland	690	737	718	811	986	94	90	133	251
Gustavus Adolphus C.	691	843	953	1,136	969	365	445	468	467
Texas A&M U.-Central Texas	692	623	814	894	951	398	653	788	906
Angelo State U.	693	798	943	740	946	0	20	85	140
Central Connecticut State U.	694	1,572	1,314	1,035	934	901	663	511	393
Roanoke C.	695	606	738	955	932	18	10	3	16
Augsburg U.	696	883	815	815	917	377	408	370	485
West Liberty U.	697	738	738	815	910	365	406	498	490
Canisius U.	698	1,094	1,036	1,160	905	869	597	454	411
SUNY, Potsdam	699	ne	540	622	904	ne	433	454	682

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in the standard form and short form survey populations, ranked by FY 2023 total R&D expenditures: FYs 2020–23**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2020	2021	2022	2023	2020	2021	2022	2023
C. of the Holy Cross	700	321	445	688	893	308	425	653	691
Gannon U.	701	351	972	569	889	32	61	150	199
U. Tampa	702	559	551	886	883	197	124	418	121
CUNY, Medgar Evers C.	703	882	694	595	881	588	470	380	266
Montana State U., Billings	704	399	522	685	870	312	429	518	710
Eastern Illinois U.	705	540	529	553	869	256	289	320	413
Ithaca C.	706	1,199	1,030	1,000	861	981	685	703	453
Touro U., Nevada	707	ne	ne	697	853	ne	ne	72	131
Indiana Wesleyan U.	708	316	878	722	852	54	216	187	275
Rhode Island C.	709	10,094	10,990	11,127	839	4,128	4,894	5,372	786
Longwood U.	710	368	544	249	838	312	412	47	642
Emporia State U.	711	594	586	510	816	517	312	291	589
Earlham C.	712	165	287	405	815	11	8	0	0
Utica U.	713	549	466	562	812	0	0	0	0
Concord U.	714	ne	ne	ne	807	ne	ne	ne	756
Widener U., Chester	715	586	417	600	804	277	351	474	636
Coe C.	716	561	538	614	802	368	330	401	562
Lawrence U.	717	423	536	671	794	165	248	286	327
Evergreen State C.	718	390	783	586	791	279	256	119	45
Kalamazoo C.	719	603 i	600 i	692 i	789 i	212 i	225 i	251 i	284 i
Saint Mary's U. Minnesota	719	610	640	889	789	554	538	638	573
Regis U.	721	311	476	744	779	156	328	494	702
Siena C.	722	884	923	675	764	382	265	291	303
Augustana U.	723	1,038	1,013	724	757	976	1,013	724	757
Saint Michael's C.	724	957	876	754	754	775	744	485	598
Bridgewater State U.	725	345	522	954	750	198	363	821	449
U. Ana G. Mendez, Cupey	726	818	739	728	746	662	598	728	746
U. Puerto Rico, Aguadilla	727	562	639	823	741	283	425	617	700
San Juan Bautista School of Medicine	728	612	598	662	740	202	448	466	547
Framingham State U.	729	2,317	1,790 i	1,263 i	735	179	352 i	525 i	700
Mercyhurst U.	730	1,177 i	920 i	661	734 i	354 i	219 i	82	90 i
Clayton State U.	731	346	616	600	732	302	532	498	642
Fort Hays State U.	731	1,172	800	641	732	764	482	342	361
Salve Regina U.	731	591	624	813	732	578	624	813	732
Louisiana State U., Shreveport	734	494	462	723	725	321	273	568	401

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in the standard form and short form survey populations, ranked by FY 2023 total R&D expenditures: FYs 2020–23**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2020	2021	2022	2023	2020	2021	2022	2023
Kutztown U. Pennsylvania	735	472	292	450	722	276	159	351	584
SUNY, C. Cortland	736	255	381	530	715	215	340	396	507
U. Central Missouri	736	401	495	642	715	250	296	399	459
Dordt U.	738	1,106	696	679	712	1,049	594	552	581
Pennsylvania State U., Great Valley School of Graduate Professional Studies	738	ne	927	432	712	ne	457	251	343
U. Minnesota, Morris	740	1,004	855	805	698	213	162	150	87
U.S. Coast Guard Academy	741	398	155	1,019	689	302	154	898	278
Bethune-Cookman U.	742	636	928	707	682	529	715	494	650
Wilkes U.	742	968	372	423	682	518	109	134	203
Arkansas Tech U.	744	856	751	921	668	382	632	737	393
Graduate School of the Stowers Institute for Medical Research	745	416	555	780	666	0	0	0	0
Emerson C.	746	919	581	581	665	84	198	122	133
Salus U.	747	650	677	680	663	450	414	417	396
Niagara U.	748	1,124	509	440	661	24	34	54	10
U. Puerto Rico, Ponce	749	616 i	580	1,369	659	489 i	427	1,089	510
Metropolitan State U. of Denver	750	496	416	666	651	304	263	261	390
Iona U.	751	239	411	650	649	239	411	650	649
Kettering U.	752	2,081	1,315	816	641	568	353	213	77
Pennsylvania State U., Berks	753	372	382	564	640	273	293	507	550
SUNY, Old Westbury	754	335 i	347 i	428	634	196 i	206 i	243	389
SUNY, Farmingdale State C.	755	589	606	611	631	166	180	185	180
St. Norbert C.	756	304	412	741	629	7	177	474	514
Lincoln U.	757	ne	ne	ne	628	ne	ne	ne	430
Simmons U.	758	604	487	668	620	566	466	383	254
Elmhurst U.	759	209	464	676	613	209	459	676	224
Sonoran U. Health Sciences	760	ne	ne	520	600	ne	ne	0	0
Saint Francis U.	761	878	872	533	592 i	173	199	221	242 i
Sewanee: U. of the South	761	864	668	547	592	35	45	6	17
Concordia C., Moorhead	763	275	308	291	589	94	35	32	352
Oglala Lakota C.	764	516	473	424	588	506	473	424	588
Hendrix C.	765	649	651	709	587	563	584	629	538
Slippery Rock U. Pennsylvania	766	390	295	323	583	79	50	11	200
Southwestern Oklahoma State U.	767	484	614	531	582	276	419	303	300
Southwestern U.	768	261	408	520	575	3	11	11	52
U. West Georgia	769	483	396 i	309	574	220	197 i	174	172

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in the standard form and short form survey populations, ranked by FY 2023 total R&D expenditures: FYs 2020–23**

(Dollars in thousands)

Institution	Rank	Total				Federally financed						
		2020	2021	2022	2023	2020	2021	2022	2023			
Cooper Union	770	501	545	501	571	i	233	233	202	229	i	
Cornell C.	771	370	464	409	563		228	264	116	72		
Lake Forest C.	772	372	267	493	562	i	0	0	37	42	i	
Bryant U.	773	302	347	534	558		227	280	394	436		
California Baptist U.	774	ne	ne	ne	554		ne	ne	ne	0		
Salish Kootenai C.	775	807	596	782	553		802	596	782	553		
Stonehill C.	776	833	695	772	542		674	526	425	283		
U. Bridgeport	776	164	ne	ne	542		59	ne	ne	251		
Keiser U.	778	423	443	i	485	i	539	i	0	0	i	
Jacksonville State U.	779	1,244	275	197	538		1,216	245	113	423		
U. Wisconsin-Whitewater	780	736	760	713	536		525	623	445	280		
Gonzaga U.	781	506	212	640	535		305	107	226	254		
William Paterson U.	782	9,603	7,867	7,574	533		1,896	1,893	1,896	168		
Allegheny C.	783	449	ne	ne	532		64	ne	ne	192		
Rider U.	784	170	322	353	522		58	126	200	364		
St. Lawrence U.	785	441	ne	ne	521		262	ne	ne	201		
Lake Erie C. of Osteopathic Medicine	786	472	502	484	517		0	0	0	0		
Moravian U.	787	309	255	386	516		91	90	185	192		
Stetson U.	788	670	611	580	513		479	304	379	452		
U. Wisconsin-Stout	789	555	406	367	512		175	27	61	138		
Muhlenberg C.	790	398	288	447	509	i	115	28	27	31	i	
Pennsylvania Western U.	791	na	na	na	508		na	na	na	460		
Geisinger Commonwealth School of Medicine	792	150	i	ne	ne		500	71	i	ne	ne	15
Susquehanna U.	793	496	360	333	499		61	20	31	14		
Fairleigh Dickinson U.	794	656	318	225	498		560	248	222	456		
Adelphi U.	795	351	i	342	377		495	283	i	274	316	430
Agnes Scott C.	796	152	351	433	494	i	99	152	260	294	i	
Benedictine U.	797	ne	ne	150	489		ne	ne	64	338		
Central Wyoming C.	797	ne	ne	504	489		ne	ne	504	489		
East Central U.	799	251	242	480	483		169	216	447	447		
Point Loma Nazarene U.	800	237	505	565	482		162	126	1	34		
Pontifical Catholic U. Puerto Rico, Ponce	801	239	350	334	478		125	186	97	167		
U. Houston-Victoria	802	ne	ne	ne	475		ne	ne	ne	419		
Palo Alto U.	803	417	428	426	473	i	179	207	205	225	i	
Whitworth U.	803	660	403	438	i	473	140	91	153	i	216	

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in the standard form and short form survey populations, ranked by FY 2023 total R&D expenditures: FYs 2020–23**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2020	2021	2022	2023	2020	2021	2022	2023
Barry U.	805	237	343	367	469	9	40	65	98
Lewis-Clark State C.	806	660	401	582	468	660	349	550	468
Baldwin Wallace U.	807	ne	210	167	463	ne	20	7	47
Northwest Nazarene U.	808	408	442	509	456	178	307	356	302
Grambling State U.	809	2,427	2,124	1,287	449	787	731	554	377
Colorado Mesa U.	810	452	823	802	443	228	664	676	290
U. North Alabama	811	ne	539	650	442	ne	331	320	332
McNeese State U.	812	585	664	432	435	54	17	22	32
DePauw U.	813	253	304	175	430	39	89	48	102
Indiana U., Kokomo	814	483	441	490	429	20	27	75	31
Oakwood U.	815	538	474	340	427	375	463	329	371
Southern Arkansas U.	815	275	611	281	427	44	422	113	252
MCPHS U.	817	473	346	290	426	192	85	80	166
Western Connecticut State U.	818	539	353	399	424	347	201	221	144
Indiana U., Southeast	819	582	591	523	421	15	64	13	41
Loyola U., New Orleans	820	338	476	911	419	4	93	29	37
Minot State U.	821	253	512	187	412	125	439	143	314
Shaw U.	821	ne	ne	259	412	ne	ne	168	162
Truckee Meadows Community C.	823	ne	ne	334	403	ne	ne	334	403
Northern Vermont U.	824	ne	ne	ne	400	ne	ne	ne	400
Coker U.	825	485	ne	ne	398	460	ne	ne	379
Eastern New Mexico U., Portales	826	358	355	499	394	298	323	466	343
SUNY, New Paltz	827	330	329	308	392	149	114	139	265
Austin C.	828	342	302	349	388	116	85	110	121
Westmont C.	828	211	295	340	388	174	180	201	227
Marist C.	830	156	ne	ne	386	61	ne	ne	188
Minnesota State U., Moorhead	831	169	462	420	378	89	222	124	26
Ouachita Baptist U.	831	268	217	309	378	234	217	309	378
Pennsylvania State U., New Kensington	831	ne	152	ne	378	ne	129	ne	0
Southern California U. of Health Sciences	831	420	418	246	378	339	360	204	377
American C. of Financial Services	835	ne	ne	338	376	ne	ne	0	0
Doane U.	836	896	699	502	374	762	596	430	299
Wabash C.	837	ne	ne	465	370	ne	ne	304	210
Bryn Athyn C.	838	432	316	317	361	0	0	0	0
Northwest Missouri State U.	839	239	190	231	360	107	100	100	108



TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in the standard form and short form survey populations, ranked by FY 2023 total R&D expenditures: FYs 2020–23**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2020	2021	2022	2023	2020	2021	2022	2023
U. Minnesota, Crookston	840	210	ne	ne	358	10	ne	ne	0
Coppin State U.	841	202	299	398	357	168	212	275	209
Future Generations U.	842	271 i	270 i	312 i	356 i	0 i	0 i	0 i	0 i
Augustana C.	843	205	271	353	351	56	116	158	159
Delta State U.	843	592	238	673	351	592	219	661	336
Life Chiropractic C.-West	845	ne	ne	350	350	ne	ne	0	0
Pacific Lutheran U.	846	449	370	495	347	100	147	170	229
Ramapo C. New Jersey	847	441	408	365	346	379	373	319	284
Taylor U.	847	232	214	204	346	3	9	16	11
A. T. Still U. of Health Sciences	849	656	448	517	345	462	257	281	197
U. Evansville	850	245	284	285	336	65	144	171	190
Pennsylvania State U., Wilkes-Barre	851	ne	250	267	335	ne	249	267	335
Pitzer C.	852	313	225	287	330	0	0	0	0
Wittenberg U.	853	297	445	508	325	165	228	331	162
Ohio Wesleyan U.	854	323	404	267	323	120	275	97	174
Pennsylvania State U., Abington	855	ne	369	323	320	ne	279	184	132
Truman State U.	856	296	237	327	318	60	46	73	29
U. Maine, Augusta	857	ne	ne	ne	317	ne	ne	ne	18
Alabama C., Osteopathic Medicine	858	303	184	236	311	41	17	34	0
Francis Marion U.	859	216	207	402	308	75	174	289	228
Pacific Northwest U. of Health Sciences	860	808	ne	ne	307	738	ne	ne	200
California State U., Maritime Academy	861	3,202	2,799	526	305	621	548	192	220
SUNY, Oneonta	861	214	214	288	305	115	24	3	3
Commonwealth U. of Pennsylvania	863	ne	ne	ne	304	ne	ne	ne	162
Bradley U.	864	851	416	240	301	235	101	88	115
U. North Carolina, Pembroke	865	344	243	290	297	344	243	290	297
Georgia C. and State U.	866	270	247	216	294	160	127	51	174
Maryland Institute C. of Art	867	618	634	407	292	215	309	93	134
Montana State U., Northern	867	322	372	214	292	125	148	43	207
Concordia U., Wisconsin	869	293	439	168	291	235	170	150	162
Southern C. of Optometry	870	446	ne	ne	288	11	ne	ne	5
Northern State U.	871	240	190	305	282	100	173	174	110
Arkansas C. of Health Education	872	900	672	301	277	350	69	46	104
Albion C.	873	1,132	847 i	562 i	276	272	257 i	242 i	226
Columbus State U.	873	261	206	271	276	93	77	228	210

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in the standard form and short form survey populations, ranked by FY 2023 total R&D expenditures: FYs 2020–23**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2020	2021	2022	2023	2020	2021	2022	2023
Kansas City U.	875	235	ne	ne	274	142	ne	ne	166
Fuller Theological Seminary	876	ne	ne	ne	271	ne	ne	ne	75
Linfield U.	876	319	239	154	271	149	67	7	9
Northern New Mexico C.	878	404	350	239	264	404	350	239	264
Alverno C.	879	237	215	228	263	0	0	0	0
Bard C.	879	242	248	255	263	65	67	69	71
Indiana U., Northwest	881	488	553	495	253	176	273	203	33
Rogers State U.	881	ne	ne	ne	253	ne	ne	ne	81
Georgia Gwinnett C.	883	478	489	367	249	338	372	249	216
Manchester U.	883	286	266	303	249	117	134	100	46
Life U.	885	429	364	419	248	0	0	0	0
Washington and Lee U.	886	214	256	249	243	176	163	179	224
Hamline U.	887	ne	493	162	241	ne	320	35	109
Mississippi Valley State U.	888	653	391	344	233	646	379	330	220
U. Dallas	888	ne	249	564	233	ne	5	157	30
Centre C.	890	376	265	314	232	58	136	173	204
West Virginia U., Institute of Technology	891	ne	ne	ne	229	ne	ne	ne	94
Antioch U.	892	ne	ne	263	225	ne	ne	187	112
Valdosta State U.	892	496	423	262	225	60	123	47	67
Millersville U. Pennsylvania	894	402	931	395	224	246	785	213	95
Whittier C.	895	248	300	260	220	13	0	5	11
Luther C.	896	365	289	212	217	145	95	45	71
C. Southern Nevada	897	194	335	303	210	183	327	275	201
Converse U.	898	185	294	254	205	148	241	209	164
St. Mary's C. Maryland	898	556	349	1,063	205	303	124	599	152
SUNY, system office	898	ne	ne	ne	205	ne	ne	ne	39
Maine Maritime Academy	901	ne	ne	198	203	ne	ne	198	31
Jacksonville U.	902	459	460	162	200	0	0	0	0
Metropolitan State U.	903	156	162	176	196	80	85	94	104
U. Ana G. Mendez, Carolina	904	647	602	645	193	520	489	645	193
Oral Roberts U.	905	ne	ne	ne	190	ne	ne	ne	0
Northeastern State U.	906	406	279	351	187	330	179	208	121
Delaware Valley U.	907	ne	182	265	183	ne	41	7	28
U. Lynchburg	908	ne	150	164	182	ne	86	93	102
LeTourneau U.	909	271	346	239	175	125	217	169	88

TABLE 7

**Total and federally financed higher education R&D expenditures at higher education institutions in the standard form and short form survey populations, ranked by FY 2023 total R&D expenditures: FYs 2020–23**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2020	2021	2022	2023	2020	2021	2022	2023
William Carey U.	910	ne	ne	ne	170	ne	ne	ne	16
Eastern Oregon U.	911	172	162	206	163	150	143	190	143
Castleton U.	912	ne	ne	598	162	ne	ne	522	152
Saint Martin's U.	913	201	299	305	152	147	222	203	102
U. Puerto Rico, Arecibo	914	ne	ne	ne	150	ne	ne	ne	91
All other surveyed institutions	-	1,162,498	584,014	574,287	0	614,353	264,773	253,668	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 \$2,333,049 thousand in total and \$2,268,228 thousand in federally financed R&D expenditures in FY 2023.

<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 Nebraska, Lincoln and Medical Center includes expenditures from the University of Nebraska, Lincoln; University of Nebraska, Medical Center; and University of Nebraska, Central Administration campuses. Due to a realignment within the University of Nebraska system that occurred on 22 June 2023, the three campuses fall under the leadership of one president. Prior to FY 2023, these three campuses reported to the survey as separate institutions.

<sup>e</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>f</sup> Touro University, New York includes the Lovelace Biomedical Research Institute. In FY 2023, the Lovelace Biomedical Research Institute joined the Touro University System.

**Note(s):**

Institutions reporting zero expenditures in ranked total for FY 2023 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.