

Table 6. 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 2024 total R&D expenditures: FYs 2021–24

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2021	2022	2023	2024	2021	2022	2023	2024
All institutions	-	89,846,088	97,843,969	108,858,340	117,718,608	49,195,581	54,055,759	59,683,434	64,717,632
Johns Hopkins U. ^a	1	3,181,385	3,420,312	3,801,585	4,129,264	2,774,643	2,971,816	3,324,551	3,618,064
U. Pennsylvania	2	1,631,950	1,791,311	1,953,617	2,167,504	792,089	873,318	936,469	1,018,602
U. California, San Francisco	3	1,710,036	1,805,950	2,046,539	2,127,637	683,179	780,318	858,066	1,036,633
U. Michigan, Ann Arbor	4	1,639,645	1,770,708	1,925,875	2,110,961	891,125	970,636	1,041,430	1,165,494
U. Wisconsin-Madison	5	1,380,075	1,523,513	1,731,949	1,933,229	646,764	740,854	816,814	930,647
U. California, Los Angeles	6	1,454,880	1,536,197	1,721,665	1,896,227	721,043	848,138	878,571	980,183
U. California, San Diego	7	1,425,499	1,533,357	1,705,410	1,881,289	801,117	970,696	1,083,790	1,151,518
U. Washington, Seattle	8	1,488,645	1,559,708	1,734,091	1,691,302	1,046,377	1,083,090	1,188,836	1,135,734
Stanford U.	9	1,274,483	1,384,555	1,537,846	1,641,961	811,183	860,125	943,669	1,012,767
Cornell U.	10	1,183,524	1,300,357	1,451,971	1,613,631	592,359	636,481	705,132	792,078
U. North Carolina, Chapel Hill	11	1,205,883	1,361,028	1,549,617	1,598,751	747,895	827,158	907,710	949,913
Ohio State U.	12	1,236,111	1,363,388	1,449,188	1,581,570	559,797	636,902	694,647	774,210
Duke U.	13	1,237,686	1,390,538	1,507,996	1,580,756	776,632	901,807	974,202	1,039,631
U. Maryland ^b	14	1,142,264	1,228,550	1,385,302	1,539,520	713,283	750,447	825,546	922,237
Georgia Institute of Technology	15	1,114,481	1,231,485	1,405,080	1,528,637	852,319	940,488	1,083,903	1,213,430
Yale U.	16	1,165,148	1,191,201	1,326,807	1,519,694	647,656	689,270	741,198	845,058
U. Pittsburgh, Pittsburgh	17	1,135,416	1,251,998	1,398,078	1,504,665	724,993	814,647	916,735	967,978
New York U.	18	1,063,704	1,276,038	1,457,424	1,500,732	547,027	668,381	787,204	805,148
Harvard U.	19	1,254,008	1,308,458	1,435,218	1,494,527	616,589	628,683	639,953	672,947
Columbia U. in the City of New York	20	1,098,570	1,230,924	1,341,952	1,449,535	831,648	904,346	988,670	1,076,805
U. Minnesota, Twin Cities	21	1,072,961	1,202,084	1,320,183	1,409,710	570,946	652,384	702,483	748,229
Texas A&M U., College Station and Health Science Center	22	1,147,720	1,152,666	1,277,814	1,393,825	528,057	505,355	546,481	582,674
U. Texas M. D. Anderson Cancer Center	23	1,124,971	1,182,536	1,255,190	1,363,321	217,073	225,659	259,285	282,431
Vanderbilt U. and Vanderbilt U. Medical Center	24	1,019,273	1,086,223	1,253,156	1,327,870	586,880	666,282	751,019	809,693
Pennsylvania State U., University Park and Hershey Medical Center	25	970,544	1,019,940	1,206,793	1,302,971	622,532	681,159	781,303	858,666
U. Florida	26	959,965	1,085,834	1,250,201	1,272,493	423,154	467,739	529,391	581,252
U. Southern California	27	955,565	1,039,905	1,154,804	1,264,197	574,185	601,747	683,819	739,426
Northwestern U.	28	913,178	1,000,695	1,114,269	1,257,859	572,975	618,771	678,062	735,735
Emory U.	29	852,922	958,281	1,094,328	1,246,507	515,940	568,149	664,370	744,597
Washington U., Saint Louis	30	989,214	1,047,098	1,168,861	1,243,115	606,127	681,353	758,464	821,852
U. Texas, Austin	31	779,348	845,896	1,035,838	1,143,917	489,827	536,296	621,223	690,835
U. California, Berkeley	32	846,872	981,035	1,076,754	1,126,782	354,478	468,542	496,298	518,011
Massachusetts Institute of Technology	33	949,076	989,166	1,000,081	1,065,554	483,526	531,056	559,766	595,053
Icahn School of Medicine at Mount Sinai	34	820,260	893,968	972,476	1,015,600	554,582	610,646	658,916	693,444
U. Arizona	35	770,031	824,340	955,424	1,012,404	353,117	374,936	434,700	471,394
U. California, Davis	36	817,409	883,807	962,399	1,005,757	373,719	468,468	494,847	505,442

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(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2021	2022	2023	2024	2021	2022	2023	2024
Arizona State U.	37	677,303	797,224	903,779	1,003,271	274,541	309,094	340,880	396,431
Michigan State U.	38	710,178	759,229	844,076	931,848	349,889	381,504	435,564	474,762
Purdue U., West Lafayette	39	679,482	754,627	844,570	931,513	295,278	352,890	385,738	451,802
U. Illinois, Urbana-Champaign	40	731,268	765,909	821,023	906,751	406,612	420,953	460,491	511,574
Indiana U., Bloomington	41	695,258	751,309	853,056	896,983	326,326	360,300	432,223	456,845
Baylor C. of Medicine	42	716,976	827,005	847,305	881,226	365,472	420,054	440,345	453,738
U. Texas Southwestern Medical Center	43	632,134	719,002	800,391	869,297	257,611	298,154	336,126	359,693
U. Alabama, Birmingham	44	644,330	713,480	780,479	865,868	423,290	421,223	451,880	498,148
Rutgers, State U. New Jersey, New Brunswick	45	643,955	712,231	831,719	836,800	339,015	351,660	400,930	408,320
U. Virginia, Charlottesville	46	611,313	662,658	714,457	813,772	297,273	332,993	354,748	394,731
U. Utah	47	624,737	670,119	723,713	789,271	340,434	367,040	416,079	453,025
Boston U.	48	652,096	725,402	773,200	784,355	402,443	413,102	409,551	421,753
U. Colorado Anschutz Medical Campus	49	562,855	611,358	686,026	741,643	363,999	429,949	474,523	498,397
U. Cincinnati	50	551,826	615,070	698,642	739,878	309,097	350,392	391,943	411,205
U. Colorado Boulder	51	547,724	611,380	651,924	717,920	459,816	507,892	538,715	567,693
North Carolina State U.	52	547,118	583,203	633,251	717,004	239,115	250,582	279,179	316,076
U. Iowa	53	553,876	594,215	662,134	703,326	283,763	314,346	331,824	338,639
U. Chicago	54	497,651	591,805	628,302	680,753	394,275	456,806	476,689	504,337
U. Nebraska, Lincoln and Medical Center ^c	55	na	na	617,372	657,468	na	na	280,120	301,070
Virginia Polytechnic Institute and State U.	56	542,045	591,861	598,113	656,916	216,733	240,305	282,152	308,282
U. California, Irvine	57	523,752	534,947	609,614	644,948	255,010	291,393	335,393	384,504
Case Western Reserve U.	58	421,868	467,389	553,740	642,546	340,438	380,423	431,736	466,362
U. Georgia	59	493,944	545,631	570,956	628,117	188,451	220,343	221,804	255,117
Uniformed Services U. of the Health Sciences	60	384,490	277,240	496,441	569,050	275,573	194,187	403,671	482,223
U. Miami	61	375,841	439,300	509,951	559,013	231,001	265,212	291,783	322,331
Princeton U.	62	404,448	461,185	513,365	558,624	205,000	218,390	219,600	250,294
U. Kansas	63	385,637	405,267	466,222	546,110	187,249	200,117	211,111	245,710
Oregon Health and Science U.	64	452,812	479,226	517,742	545,214	329,016	346,724	374,043	389,585
SUNY, U. Buffalo	65	425,349	439,709	471,569	541,880	210,257	218,231	257,857	284,562
U. Illinois, Chicago	66	429,585	440,573	492,936	532,181	237,949	251,328	274,424	299,986
U. Kentucky	67	429,241	476,517	504,005	527,658	220,703	253,852	265,543	273,724
Virginia Commonwealth U.	68	364,096	411,729	465,976	524,295	160,995	169,450	184,852	208,743
U. South Florida	69	385,965	405,166	461,390	521,892	185,364	206,552	242,224	272,483
U. Missouri, Columbia	70	388,779	432,310	462,435	508,580	163,576	182,432	217,091	241,938
Carnegie Mellon U.	71	402,376	449,707	484,757	505,262	234,993	259,160	279,954	280,169
Scripps Research Institute	72	485,435	492,639	494,946	501,468	272,181	242,135	278,099	272,039
U. Rochester	73	409,255	450,805	481,227	492,372	309,647	334,503	368,190	376,088

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Institution	Rank	Total				Federally financed			
		2021	2022	2023	2024	2021	2022	2023	2024
U. Oklahoma ^d	74	380,048	408,656	436,964	474,043	193,639	210,994	219,964	225,360
SUNY, U. Albany	75	114,501	129,796	141,671	471,605	56,425	51,492	62,935	104,769
Colorado State U., Fort Collins	76	447,197	456,911	498,073	466,386	303,901	316,727	354,401	300,857
U. Delaware	77	231,532	368,107	428,128	465,780	157,725	194,775	202,469	229,392
Iowa State U.	78	360,275	393,184	420,823	462,347	169,177	187,156	195,394	216,003
Florida State U.	79	328,604	355,986	414,463	460,733	150,108	163,744	195,323	204,544
Utah State U.	80	325,223	344,851	401,437	451,379	264,575	280,866	322,336	364,880
California Institute of Technology	81	438,624	478,142	490,672	445,173	293,197	326,401	310,519	298,754
U. Connecticut	82	302,329	367,557	390,165	433,545	183,362	230,752	238,701	253,110
Louisiana State U., Baton Rouge	83	296,673	344,556	384,268	431,439	103,178	111,886	127,243	142,226
U. Texas Health Science Center, Houston	84	308,823	342,633	374,105	419,123	165,139	184,205	197,759	227,118
Dartmouth C. and Dartmouth Hitchcock Medical Center	85	330,226	344,126	366,856	418,429	152,335	155,445	168,740	185,769
Washington State U.	86	357,648	368,396	378,744	403,369	179,536	187,580	207,086	221,721
Auburn U., Auburn	87	266,374	304,439	349,273	393,557	91,157	104,883	125,783	157,999
Wichita State U.	88	192,042	261,519	366,848	392,333	77,427	93,367	142,371	182,881
U. Tennessee, Knoxville	89	316,273	324,435	338,847	386,949	135,202	149,260	153,637	180,010
George Washington U.	90	266,108	275,483	360,260	381,582	161,349	161,867	162,892	179,220
Georgetown U.	91	279,932	313,220	337,006	376,600	130,419	127,213	127,370	145,787
U. Hawaii, Manoa	92	271,768	277,323	313,143	375,631	157,772	169,762	192,205	237,482
Brown U.	93	276,331	310,780	353,591	374,504	198,574	215,067	239,744	253,661
Oregon State U.	94	276,955	297,934	337,985	371,904	179,180	192,621	222,169	244,264
Albert Einstein C. of Medicine	95	301,715	318,314	336,238	360,789	214,619	220,780	230,151	242,594
Medical C. Wisconsin	96	276,850	309,244	346,691	360,309	136,385	152,301	155,403	150,035
U. New Mexico	97	332,566	331,164	316,026	354,874	242,212	232,774	205,351	221,867
U. Massachusetts, Medical School	98	347,337	358,204	326,731	349,616	248,873	258,147	223,490	231,375
Northeastern U.	99	211,342	231,607	288,558	346,900	143,421	150,093	186,013	218,650
U. Notre Dame	100	240,324	280,604	331,943	345,791	109,891	124,411	147,985	144,327
Wake Forest U.	101	264,216	269,109	308,972	344,517	188,887	180,754	204,713	224,282
Mississippi State U.	102	275,143	303,418	319,684	342,132	116,713	138,207	150,804	161,636
Clemson U.	103	237,485	263,158	286,503	338,533	89,883	119,512	129,955	161,658
Florida International U.	104	246,075	281,665	306,434	325,785	105,309	129,683	156,381	165,202
Medical U. South Carolina	105	277,761	284,553	333,826	320,990	162,394	163,395	168,957	173,379
SUNY, Stony Brook U.	106	274,516	312,698	324,531	319,258	162,972	184,154	192,448	186,497
Temple U.	107	299,778	301,395	292,029	314,999	153,316	143,580	154,516	159,138
U. Texas Health Science Center, San Antonio	108	219,734	238,510	281,078	312,791	106,824	119,071	143,730	165,935
Woods Hole Oceanographic Institution	109	262,048	255,017	287,825	308,240	222,351	211,550	238,554	250,140
Rockefeller U.	110	357,543	360,877	385,168	305,300	96,318	94,693	101,422	110,292

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		2021	2022	2023	2024	2021	2022	2023	2024	
U. California, Santa Barbara	111	248,961	278,897	305,483	303,446	122,168	161,241	179,896	171,188	
Wayne State U.	112	235,519	242,247	250,911	291,689	117,976	126,814	128,521	151,878	
U. Central Florida	113	218,596	221,488	247,259	284,943	109,310	110,131	124,256	135,779	
U. Massachusetts, Amherst	114	213,824	245,158	268,657	281,730	116,349	129,044	138,849	146,876	
George Mason U.	115	214,207	230,068	252,239	281,697	103,712	119,406	125,437	147,327	
Tufts U.	116	224,956	231,224	247,276	278,304	166,809	150,081	154,458	169,588	
Rice U.	117	207,404	216,202	255,115	277,683	95,648	105,345	119,853	127,615	
U. South Carolina, Columbia	118	215,374	229,162	262,207	277,329	88,529	106,752	124,330	144,878	
Tulane U.	119	205,206	222,605	258,439	275,885	113,819	127,544	152,468	159,185	
Thomas Jefferson U.	120	200,393	246,212	258,345	271,198	109,448	114,452	110,366	113,022	
Kansas State U.	121	203,846	212,974	217,992	264,961	77,779	81,820	82,610	83,225	
West Virginia U.	122	199,907	214,081	246,173	259,072	89,802	97,327	114,708	129,896	
Montana State U., Bozeman	123	193,577	200,820	229,682	257,927	113,257	118,974	142,965	158,999	
Texas Tech U.	124	197,739	226,729	240,107	256,919	33,938	45,136	58,922	62,892	
U. Louisiana, Lafayette	125	181,400	205,201	225,924	254,883	65,436	77,110	84,898	94,237	
Oklahoma State U., Stillwater	126	198,799	195,041	226,498	253,770	47,428	53,885	64,098	76,701	
U. Dayton	127	191,228	211,494	228,723	252,537	181,445	203,206	216,729	241,753	
U. Alaska, Fairbanks	128	172,957	202,516	218,041	246,295	128,229	154,742	156,702	168,918	
U. Vermont	129	195,320	216,307	233,806	246,240	103,554	117,163	128,645	138,601	
Georgia State U.	130	206,472	215,908	237,493	241,115	79,834	81,641	91,331	96,654	
U. Texas Medical Branch	131	185,759	204,518	233,192	241,072	117,915	123,467	150,272	161,678	
U. Houston	132	202,536	240,126	231,942	238,996	77,489	84,295	99,450	103,963	
U. California, Riverside	133	189,600	199,135	214,802	231,596	97,182	114,257	120,524	126,339	
U. Arkansas, Fayetteville	134	164,443	184,080	221,525	230,626	48,534	64,252	82,164	95,784	
U. New Hampshire	135	167,373	206,392	223,683	230,224	99,323	129,721	152,377	151,886	
U. Arkansas for Medical Sciences	136	194,709	205,493	209,409	226,842	i 83,387	95,080	94,483	102,854	i
U. Louisville	137	200,362	229,582	220,568	224,969	97,179	117,363	100,890	89,978	
U. Alabama, Tuscaloosa	138	129,509	163,204	184,880	221,235	53,880	67,986	86,244	112,199	
U. California, Santa Cruz	139	160,615	176,760	203,883	218,426	86,263	107,082	112,847	117,064	
North Dakota State U.	140	164,050	174,904	190,330	199,885	42,824	45,343	53,339	57,705	
U. Maine	141	146,801	171,931	188,690	198,870	65,249	84,072	92,870	101,733	
Syracuse U.	142	151,717	157,407	183,850	198,750	34,200	33,976	46,595	55,174	
U. North Dakota	143	143,506	147,717	182,195	197,428	58,463	62,737	65,890	83,377	
U. Nevada, Reno	144	175,386	181,782	188,505	194,131	77,246	83,631	83,603	89,152	
U. Mississippi	145	116,175	152,903	172,176	189,910	76,886	84,270	85,186	102,574	
U. Texas, Dallas	146	122,825	130,914	146,779	181,795	58,249	60,706	66,127	82,438	
San Diego State U.	147	107,681	129,762	158,013	181,600	43,473	55,671	68,045	74,414	

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		2021	2022	2023	2024	2021	2022	2023	2024	
U. Oregon	148	139,193	160,500	164,500	174,785	82,242	97,238	100,265	105,290	
New Jersey Institute of Technology	149	166,587	167,135	161,078	171,741	77,057	71,326	70,080	90,947	
U. Texas, San Antonio	150	145,362	147,629	158,453	171,528	42,952	54,384	58,171	60,101	
Drexel U.	151	152,752	151,903	169,583	170,205	93,517	99,399	108,724	109,643	
U. Wyoming	152	93,202	139,764	150,124	167,306	54,444	68,772	68,467	73,731	
Augusta U.	153	116,480	127,313	139,121	166,219	61,943	64,609	64,410	73,564	
Texas State U.	154	72,510	110,102	141,291	165,047	31,116	38,936	44,297	48,686	
SUNY, Binghamton U.	155	124,565	130,882	141,685	160,644	23,225	24,888	31,601	31,348	
Brigham Young U., Provo	156	43,916	45,610	137,748	158,319	30,439	31,636	31,216	31,324	
U. Texas, El Paso	157	109,410	130,501	145,724	157,574	43,930	60,387	70,873	74,836	
U. Alabama, Huntsville	158	149,792	169,532	163,428	154,494	116,971	132,060	126,040	115,434	
U. Texas, Arlington	159	126,477	133,770	147,265	153,780	46,946	56,025	56,337	62,500	
U. Maryland, Baltimore County	160	84,418	110,319	144,262	150,908	59,882	65,368	86,573	91,886	
U. Montana, Missoula	161	121,571	125,603	133,958	143,810	70,686	73,507	75,490	88,952	
New Mexico State U.	162	110,580	121,472	126,337	142,872	64,699	71,718	71,764	84,715	
U. Idaho	163	105,895	115,603	135,901	140,413	51,021	56,160	61,531	61,960	
Rensselaer Polytechnic Institute	164	119,056	121,809	121,706	140,247	52,465	50,605	56,445	61,359	
Rush U.	165	107,398	114,874	132,394	139,295	73,279	79,647	93,180	102,320	
U. Rhode Island	166	129,296	129,102	144,013	137,462	78,923	93,190	102,056	111,503	
Baylor U.	167	48,809	66,014	82,074	134,876	11,025	15,856	17,147	22,685	
Cold Spring Harbor Laboratory	168	114,903	118,034	117,483	126,502	i 56,907	59,163	54,123	58,273	i
U. Tennessee, Health Science Center	169	109,562	115,161	130,472	124,771	56,021	60,221	70,676	64,800	
U. North Texas, Denton	170	81,252	93,538	106,665	124,219	18,702	23,056	30,017	43,136	
U. Massachusetts, Lowell	171	94,708	111,144	117,336	120,672	48,179	62,195	61,413	59,711	
U. Nevada, Las Vegas	172	101,009	94,967	98,751	118,049	27,178	28,867	38,815	46,258	
U. North Texas, Health Science Center	173	50,698	72,675	i 94,652	110,499	32,464	55,062	i 77,660	90,722	
Colorado School of Mines	174	81,443	98,404	104,297	109,905	61,421	66,200	68,795	71,415	
U. Memphis	175	67,092	71,271	100,042	108,862	21,578	24,686	26,913	34,728	
Brandeis U.	176	95,001	102,378	103,653	107,059	43,471	44,205	46,654	48,548	
Michigan Technological U.	177	81,715	91,084	103,819	106,919	41,505	48,766	52,102	55,980	
Howard U.	178	52,412	67,594	84,756	101,815	35,443	37,331	47,662	55,361	
Boston C.	179	65,156	68,958	81,425	96,310	34,257	36,560	39,356	47,731	
Saint Louis U.	180	79,005	82,740	85,921	95,832	41,411	42,170	44,157	43,867	
U. North Carolina, Charlotte	181	51,877	43,126	92,027	94,895	27,145	26,871	33,784	36,444	
William & Mary	182	68,801	75,953	81,815	94,609	29,928	33,730	32,631	41,488	
Northern Arizona U.	183	69,129	66,729	77,533	93,749	41,744	43,453	50,491	62,399	
U. Southern Mississippi	184	67,417	72,477	75,034	93,692	44,401	48,368	48,374	53,044	

Table 6. 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 2024 total R&D expenditures: FYs 2021–24

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2021	2022	2023	2024	2021	2022	2023	2024
U. Texas Rio Grande Valley	185	58,187	64,401	82,444	90,610	13,018	18,317	25,068	35,014
Indiana U.-Purdue U., Indianapolis	186	65,330	64,162	87,648	88,989	30,290	29,353	39,869	41,004
San Jose State U.	187	60,100	71,695	83,406	88,125	30,877	30,984	31,780	37,503
Florida Atlantic U.	188	58,471	61,748	77,593	87,906	28,510	28,641	35,108	35,414
Cleveland State U.	189	71,451	81,225	87,941	85,839	47,402	53,395	56,550	53,415
Van Andel Research Institute	190	65,789	78,626	80,748	83,309	22,231	29,424	30,934	31,791
South Dakota State U.	191	51,542	59,590	71,340	82,246	18,607	22,991	28,897	36,703
North Carolina A&T State U.	192	40,751	47,908	62,307	81,845	25,755	29,094	37,152	44,751
CUNY, Graduate Center	193	4,265	5,509	54,089	80,831	2,496	2,535	2,792	3,157
New Mexico Institute of Mining and Technology	194	28,745	89,900	118,735	79,857	24,900	72,594	100,873	57,649
Louisiana State U., Health Sciences Center, New Orleans	195	44,370	53,995	68,707	79,680	34,272	33,087	35,933	35,394
U. California, Office of the President	196	50,848	54,640	63,629	79,293	653	158	25	0
Rochester Institute of Technology	197	56,043	62,383	72,405	78,488	31,187	33,373	37,334	44,203
American U.	198	65,912	67,616	76,041	78,356	12,076	14,752	17,462	21,538
U. North Carolina, Greensboro	199	37,033	41,303	60,621	77,370	24,423	29,822	39,139	44,726
U. California, Merced	200	45,964	48,147	62,279	77,233	18,621	23,421	28,576	39,951
Touro U., New York ^e	201	419	576	100,547	76,867	77	19	40,008	35,150
Old Dominion U.	202	62,332	64,877	71,334	76,202	25,514	27,804	31,104	32,045
U. Massachusetts, Boston	203	63,723	65,215	70,978	74,625	23,673	23,131	27,098	28,676
Naval Postgraduate School	204	65,101	64,055	77,364	73,230	54,855	44,852	62,715	62,115
U. Toledo	205	53,169	64,654	67,656	73,200	32,601	36,694	37,872	41,525
East Carolina U.	206	51,662	55,693	67,082	72,539	22,813	29,648	30,851	30,338
CUNY, City C.	207	57,361	65,569	63,159	71,684	34,218	38,596	38,669	38,727
Worcester Polytechnic Institute	208	48,702	56,904	66,353	71,552	30,166	34,004	37,736	40,768
Stevens Institute of Technology	209	43,386	53,563	60,685	70,736	33,998	41,836	44,036	59,605
U. South Alabama	210	47,610	43,491	53,182	70,084	23,758	23,762	28,637	32,361
Missouri U. of Science and Technology	211	54,437	53,357	61,496	69,534	26,164	28,792	32,457	38,058
Morehouse School of Medicine	212	32,637	42,489	57,125	68,746	25,181	31,339	41,069	42,379
Florida A&M U.	213	47,124	50,636	65,159	68,674	36,761	41,943	54,363	57,545
Ohio U.	214	49,764	52,465	59,877	67,430	19,164	20,587	21,919	25,975
U. Wisconsin-Milwaukee	215	55,664	56,822	60,712	66,270	24,397	24,036	25,612	27,698
Rowan U.	216	26,458	29,949	47,810	63,984	17,400	18,613	18,454	21,291
Southern Methodist U.	217	41,960	57,544	59,749	62,553	17,886	17,680	19,986	22,054
Lehigh U.	218	41,279	51,769	56,301	62,406	29,051	36,535	39,909	44,797
Western Michigan U. and Homer Stryker M.D. School of Medicine	219	25,314	27,768	45,157	62,063	13,944	12,895	12,631	11,928
Southern Illinois U., Carbondale	220	47,210	46,967	58,291	61,460	12,655	13,582	17,209	18,282
Loyola U., Chicago	221	44,036	46,169	52,445	61,454	26,793	26,972	29,712	36,481

Table 6. 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 2024 total R&D expenditures: FYs 2021–24

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2021	2022	2023	2024	2021	2022	2023	2024
U. Puerto Rico, Medical Sciences Campus	222	44,111	47,578	61,235	61,453	33,262	35,050	46,789	47,952
Kent State U.	223	50,408	52,175	58,984	61,437	15,179	16,195	17,959	18,251
Nova Southeastern U.	224	24,513	31,189	50,173	60,629	10,386	9,314	11,637	14,369
SUNY, Upstate Medical U.	225	44,870	50,586	53,219	59,482	24,974	27,737	30,069	38,105
Boise State U.	226	46,065	47,617	52,989	57,749	31,357	32,015	35,801	38,325
Catholic U. of America	227	35,548	38,191	50,433	57,705	23,128	26,285	35,502	40,655
U. Missouri, Kansas City	228	33,855	52,657	54,565	57,030	21,203	31,134	28,115	27,638
U. Denver	229	38,751	45,561	53,484	55,630	23,415	26,040	33,148	39,622
Morgan State U.	230	20,628	29,482	43,868	55,506	16,319	24,670	30,451	37,110
Air Force Institute of Technology	231	45,703	44,391	56,848	54,204	27,025	32,479	45,087	44,128
U. Maryland Center for Environmental Science	232	51,201	53,718	53,233	54,036	14,072	15,109	15,378	16,689
U.S. Air Force Academy	233	32,086	36,506	44,880	53,158	31,818	35,826	44,056	51,933
Texas Tech U., Health Sciences Center	234	41,583	46,574	48,638	52,986	12,148	14,620	14,732	16,721
Texas A&M U.-Corpus Christi	235	30,500	36,014	39,305	52,175	10,967	15,229	17,742	20,750
Portland State U.	236	41,311	41,483	46,324	51,677	29,842	30,922	31,731	35,955
Kennesaw State U.	237	18,880	21,705	32,497	51,575	3,104	3,290	5,908	7,668
Marquette U.	238	37,087	40,638	47,819	49,099	13,918	15,316	20,055	23,110
Chapman U.	239	25,820	34,212	41,791	48,308	8,574	11,098	10,015	11,392
Mercer U.	240	51,989	50,222	45,247	46,504	34,413	32,504	29,944	28,732
Georgia Southern U.	241	37,201	36,362	40,026	46,093	3,373	2,605	3,562	4,075
CUNY, Hunter C.	242	33,816	35,348	37,172	45,223	23,166	21,142	22,124	22,412
Montclair State U.	243	17,390	32,202	38,209	43,798	4,146	5,189	5,916	7,489
Delaware State U.	244	23,193	29,016	33,499	43,724	16,460	24,361	24,167	28,488
U. West Florida	245	36,837	38,870	40,454	43,503	13,313	17,114	17,954	17,226
East Tennessee State U.	246	18,449	23,420	42,335	42,526	8,358	9,715	10,776	11,338
U. Massachusetts, Dartmouth	247	28,729	33,136	42,018	42,352	8,223	11,162	13,742	14,803
San Francisco State U.	248	35,768	36,617	34,466	42,000	15,993	15,276	16,507	16,033
Marshall U.	249	23,620	25,692	33,693	39,178	12,854	16,369	19,797	21,348
SUNY, C. of Environmental Science and Forestry	250	28,440	32,904	32,682	38,661	6,979	7,766	9,231	8,133
Oakland U.	251	20,261	38,061	37,263	38,508	7,426	9,533	9,600	13,684
California Polytechnic State U., San Luis Obispo	252	25,953	33,155	35,830	38,133	11,163	15,084	14,810	14,234
Illinois Institute of Technology	253	29,698	29,791	33,021	37,990	24,762	25,963	28,027	31,996
SUNY, Downstate Health Sciences U.	254	34,459	30,918	35,600	37,322	27,620	25,081	28,543	28,276
Tennessee Technological U.	255	15,387	16,398	20,797	36,399	7,625	8,156	9,975	14,602
U. Nebraska, Omaha	256	19,006	24,259	30,841	35,134	13,503	17,301	22,096	25,294
Tennessee State U.	257	21,977	18,012	28,246	35,017	15,066	10,859	15,983	20,520
Embry-Riddle Aeronautical U.	258	19,830	28,650	27,451	35,014	14,859	23,863	23,733	28,014

Table 6. 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 2024 total R&D expenditures: FYs 2021–24

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2021	2022	2023	2024	2021	2022	2023	2024
Northern Illinois U.	259	25,261	27,068	29,134	34,467	9,080	9,840	10,849	14,151
Illinois State U.	260	24,152	25,510	32,961	34,238	9,787	8,673	13,612	13,132
Teachers C., Columbia U.	261	24,335	30,978	34,183	34,096	8,521	10,177	11,871	13,361
California State U., Sacramento	262	23,699	23,795	28,027	33,952	5,582	6,646	11,284	10,567
California State U., Long Beach	263	15,134	17,807	21,458	33,897	11,178	11,739	13,758	24,285
California State U., Fullerton	264	9,006	16,642	25,811	33,709	4,551	6,136	6,049	5,372
U. Puerto Rico, Rio Piedras	265	28,896	28,083	29,202	33,659	15,108	16,905	16,053	19,254
Villanova U.	266	24,723	25,955	31,513	33,090	5,826	6,476	8,741	9,754
U. Tulsa	267	17,187	17,416	24,845	32,802	5,876	5,893	8,545	10,777
Desert Research Institute	268	26,365	28,478	30,716	32,250	16,641	17,341	20,061	25,072
Louisiana State U., Health Sciences Center, Shreveport	269	24,600	29,502	35,624	31,887	12,359	15,503	18,742	18,040
CUNY, Queens C.	270	16,063	21,434	25,492	31,845	12,386	14,756	17,811	19,019
Texas A&M U.-Kingsville	271	23,578	23,451	26,401	31,751	9,265	8,225	9,584	14,728
Prairie View A&M U.	272	17,582	20,429	21,791	31,632	9,566	11,665	12,354	18,433
Louisiana Tech U.	273	27,417	26,591	31,676	31,247	6,428	5,734	8,118	10,178
U. Minnesota, Duluth	274	23,767	23,362	25,534	29,901	5,325	6,122	7,533	8,999
Tuskegee U.	275	21,355	21,941	25,625	29,720	15,424	14,911	16,023	19,906
Creighton U.	276	23,251	27,609	28,443	29,334	8,585	12,022	12,681	12,815
CUNY, Graduate School of Public Health and Health Policy	277	15,035	16,423	26,651	28,637	12,254	11,880	13,413	16,788
Miami U.	278	25,138	28,799	28,430	28,566	9,412	10,277	10,724	11,085
Fordham U.	279	16,731	20,432	23,832	28,249	4,076	4,856	4,687	6,944
U. South Dakota	280	27,537	30,322	29,855	27,908	11,664	13,702	14,101	13,807
Eastern Virginia Medical School	281	19,415	22,165	23,991	27,891	14,774	17,616	17,947	21,658
Texas Christian U.	282	15,336	18,353	24,050	27,659	4,448	5,670	7,627	8,818
Central Michigan U.	283	21,726	25,105	25,363	27,429	6,919	9,773	9,591	11,541
California State U., Northridge	284	16,573	19,638	26,584	27,009	13,989	15,546	19,169	16,778
California State Polytechnic U., Humboldt	285	14,103	15,612	18,800	26,607	1,975	2,421	3,280	5,257
U. Puerto Rico, Mayaguez	286	18,368	18,274	13,989	26,455	13,073	16,223	12,260	17,027
U. Texas Health Science Center, Tyler	287	27,928	33,872	32,077	26,240	12,007	14,362	12,555	8,444
Rutgers, State U. New Jersey, Newark	288	23,854	28,345	29,787	26,222	16,281	16,099	16,315	17,099
Clarkson U.	289	16,765	21,703	25,399	26,150	7,246	8,834	10,611	13,293
U. Guam	290	17,666	20,481	22,388	25,306	14,316	17,066	18,992	20,986
Tarleton State U.	291	17,729	20,056	23,345	24,875	4,620	5,055	5,478	4,718
Jackson State U.	292	16,157	17,481	19,457	24,744	14,038	15,045	16,443	20,528
U. Alaska, Anchorage	293	21,332	21,024	19,850	24,649	15,079	15,249	12,646	14,204
U. Akron	294	17,340	19,943	21,525	24,568	9,024	11,036	10,709	12,910
U. Colorado Denver	295	18,039	18,080	22,530	24,313	11,866	12,668	17,181	18,293

Table 6. 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 2024 total R&D expenditures: FYs 2021–24

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2021	2022	2023	2024	2021	2022	2023	2024
South Dakota School of Mines and Technology New School	296	15,746	20,061	20,337	23,941	11,587	15,100	14,640	18,006
Loma Linda U.	297	14,281	19,218	22,680	23,902	1,324	1,261	1,337	1,052
Florida Gulf Coast U.	298	14,029	15,517	22,262	23,898	10,116	9,134	12,485	13,846
Meharry Medical C.	299	8,197	9,896	24,899	23,841	4,467	6,482	9,858	11,117
Charles R. Drew U. of Medicine and Science	300	15,840	17,960	22,002	23,691	13,784	15,048	18,398	19,809
Western Washington U.	301	13,228	14,581	19,551	23,664	9,945	10,656	13,297	15,475
Albany Medical C.	302	18,033	18,693	21,360	23,275	6,481	6,471	7,478	8,949
U. North Carolina, Wilmington	303	22,443	22,297	23,259	23,054	13,166	13,384	14,193	12,760
Wright State U.	304	16,656	20,053	21,879	22,672	6,852	7,178	8,116	9,547
Montana Technological U.	305	26,259	27,440	26,189	22,647	19,617	20,529	19,081	15,597
CUNY, Advanced Science Research Center	306	14,933	14,188	18,375	22,588	6,133	5,600	9,585	13,993
U.S. Military Academy	307	15,403	16,507	17,309	22,464	11,840	12,580	11,916	15,129
New York Medical C.	308	19,696	20,841	20,493	22,292	13,708	19,708	19,390	20,577
James Madison U.	309	18,872	16,461	17,113	21,852	10,739	9,070	8,226	11,490
CUNY, John Jay C. of Criminal Justice	310	14,687	17,021	21,265	21,394	2,379	2,884	3,475	3,482
Bowling Green State U.	311	11,791	16,233	22,967	21,156	3,519	5,777	7,452	7,340
U. North Florida	312	18,619	19,342	20,726	19,615	7,263	7,918	8,208	8,204
U. New Orleans	313	15,782	18,394	23,269	19,318	7,267	7,758	8,113	5,667
Towson U.	314	16,979	21,911	20,396	19,311	3,674	8,270	5,283	5,950
Texas Southern U.	315	3,794	8,788	17,198	19,215	1,758	2,844	3,653	5,432
Long Island U.	316	9,128	12,120	16,287	19,045	5,562	7,550	10,969	12,131
Duquesne U.	317	15,059	17,183	16,612	18,759	2,686	2,652	1,993	2,879
Florida Institute of Technology	318	10,521	13,944	14,989	18,348	5,020	6,309	6,555	8,989
Southern Illinois U., Edwardsville	319	23,195	17,706	16,859	17,842	13,049	10,970	11,520	10,759
Idaho State U.	320	18,044	19,152	21,927	17,673	3,844	3,250	3,621	4,012
Sam Houston State U.	321	13,953	16,615	17,548	17,494	7,216	9,080	9,230	8,964
Alabama A&M U.	322	13,315	12,009	11,760	16,716	5,632	4,936	3,307	6,089
North Carolina Central U.	323	9,180	9,611	15,588	16,248	7,432	9,221	12,197	12,701
Missouri State U.	324	14,105	16,600	16,406	16,212	10,676	13,709	12,975	12,241
Oklahoma State U., Center for Health Sciences	325	10,014	11,162	14,654	16,103	8,931	10,084	12,973	13,473
Xavier U. Louisiana	326	7,758	8,368	12,500	16,054	2,304	3,366	4,773	6,186
Texas Tech U., Health Sciences Center, El Paso	327	12,799	14,156	15,519	15,955	11,213	11,733	12,833	12,892
Loyola Marymount U.	328	11,360	14,206	13,189	15,603	1,831	2,339	2,415	3,701
CUNY, Brooklyn C.	329	12,819	12,773	14,086	15,570	2,170	2,824	2,921	3,958
Alcorn State U.	330	6,318	6,220	8,535	15,244	4,505	4,623	5,518	5,714
U. of the Virgin Islands	331	14,188	16,664	19,141	14,844	7,593	9,294	10,996	10,148
	332	15,231	20,259	20,259	14,762	13,099	19,127	19,127	13,422

Table 6. 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 2024 total R&D expenditures: FYs 2021–24

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2021	2022	2023	2024	2021	2022	2023	2024
U. Missouri, Saint Louis	333	14,632	13,247	12,808	14,698	5,812	4,573	4,569	5,273
U. Hawaii, system office	334	12,918	12,646	14,172	14,542	12,688	12,511	14,150	14,534
Salisbury U.	335	10,552	10,614	14,557	14,422	3,271	3,734	5,049	5,292
California State U., Fresno	336	9,213	12,603	11,411	14,410	4,101	5,928	4,864	6,203
California State U., East Bay	337	10,852	19,035	21,312	14,307	3,289	8,997	8,508	9,172
California State Polytechnic U., Pomona	338	7,011	7,909	10,722	13,685	4,396	5,407	8,162	10,621
Midwestern U.	339	10,961	11,069	12,725	13,632	1,506	1,609	2,862	3,227
Kentucky State U.	340	8,756	9,284	11,591	13,534	3,716	4,743	7,605	7,244
Clark Atlanta U.	341	8,892	8,791	10,320	13,424	5,355	5,895	7,687	10,028
U. Maryland, Eastern Shore	342	8,636	9,274	10,730	13,422	8,346	9,062	10,201	11,752
Langston U.	343	6,345	6,481	10,505	13,340	3,089	3,616	5,473	7,583
Virginia State U.	344	10,123	12,326	13,504	13,271	4,846	7,115	7,166	6,684
Ball State U.	345	8,826	9,932	11,650	13,095	2,469	5,302	6,355	6,935
Northeast Ohio Medical U.	346	13,853	13,465	13,116	13,049	9,999	9,400	8,873	9,018
California State U., San Marcos	347	10,213	9,238	11,443	12,788	8,831	7,986	9,845	10,758
Clark U.	348	7,931	8,813	11,539	12,707	2,754	2,500	2,235	3,231
Winston-Salem State U.	349	8,123	10,436	8,668	12,650	4,841	8,903	7,901	11,818
U. San Diego	350	7,580	10,143	12,902	12,649	2,554	2,911	3,501	4,220
South Carolina State U.	351	5,735	6,773	7,814	12,496	4,493	4,910	5,330	8,936
U. Michigan, Dearborn	352	7,472	8,180	10,839	12,460	2,366	2,537	3,464	5,742
U. Tennessee, Chattanooga	353	11,192	12,808	14,671	12,104	4,507	5,214	6,003	4,563
Rosalind Franklin U. of Medicine and Science	354	13,805	12,988	11,629	11,769	9,357	7,292	7,124	7,989
Fort Valley State U.	355	4,842	9,969	15,536	11,727	4,429	7,265	7,505	6,246
California State U., Monterey Bay	356	6,882	8,975	10,678	11,717	3,813	5,051	5,639	5,717
West Texas A&M U.	357	9,920	9,438	10,302	11,616	2,195	2,123	2,118	1,990
Central State U.	358	8,751	10,274	11,123	11,459	4,165	5,576	5,523	4,749
California State U., San Bernardino	359	11,607	11,929	13,152	11,339	5,867	6,693	7,606	6,998
Appalachian State U.	360	4,509	7,189	8,479	11,293	1,694	2,567	3,497	4,178
Western Kentucky U.	361	6,944	7,720	9,298	11,213	2,348	3,127	3,401	4,511
Eastern Michigan U.	362	7,233	8,025	8,363	11,202	2,237	2,346	2,521	3,500
Western U. of Health Sciences	363	6,688	9,029	8,929	11,190	5,620	7,131	6,099	7,285
U. San Francisco	364	1,375	2,657	9,633	10,962	255	547	1,015	1,709
Arkansas State U., Jonesboro	365	8,422	8,214	7,323	10,950	4,249	3,932	3,083	3,744
California State U., Los Angeles	366	9,382	9,839	10,186	10,889	7,342	8,605	8,973	9,598
Pepperdine U.	367	2,655	3,775	10,632	10,870	835	883	674	827
Wesleyan U.	368	8,009	10,101	10,828	10,819	4,032	5,267	5,955	5,676
Hampton U.	369	11,669	11,462	9,769	10,660	11,517	11,274	9,445	9,710

Table 6. 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 2024 total R&D expenditures: FYs 2021–24

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2021	2022	2023	2024	2021	2022	2023	2024
U.S. Naval Academy	370	10,818	10,664	10,920	10,592	10,247	10,147	10,260	10,172
DePaul U.	371	6,675	8,362	13,267	10,522	4,518	3,757	5,592	5,341
U. Arkansas, Little Rock	372	7,397	7,530	8,685	10,461	6,939	6,675	7,544	9,624
Saint Joseph's U.	373	2,922	9,041	8,675	10,451	1,158	2,520	2,680	2,365
Hofstra U.	374	5,545	6,939	8,162	10,425	1,266	2,118	1,995	2,990
Yeshiva U.	375	5,452	7,274	8,661	10,290	1,509	1,695	1,229	2,348
MGH Institute of Health Professions	376	3,037	5,805	7,426	10,029	2,500	4,628	6,200	8,800
Rutgers, State U. New Jersey, Camden	377	5,142	6,480	9,527	9,849	2,905	3,349	3,042	2,772
Purdue U., Northwest	378	5,647	6,387	7,504	9,549	2,280	3,171	3,409	4,036
Gallaudet U.	379	6,126	6,360	9,894	9,524	2,140	3,287	5,523	5,300
Kean U.	380	3,538	5,499	10,062	9,479	362	715	1,870	3,130
Seton Hall U.	381	5,320	5,741	7,068	9,477	2,137	2,092	2,778	3,392
U. of the District of Columbia	382	8,104	10,779	7,945	9,386	6,851	9,859	7,367	6,253
Lincoln U., Jefferson City	383	7,621	11,500	8,196	9,261	5,621	8,988	4,610	5,189
Texas Woman's U.	384	4,943	6,029	6,922	8,998	1,514	2,091	2,439	3,026
Southern U. and A&M C., Agricultural Research and Extension Center	385	6,164	7,048	7,764	8,969	3,588	4,261	4,688	5,876
California State U., Chico	386	4,209	4,177	5,984	8,918	2,258	2,312	3,152	2,964
Middle Tennessee State U.	387	22,531	22,631	9,577	8,736	4,150	4,347	3,822	3,542
Amherst C.	388	4,636	7,177	8,152	8,666	1,375	2,862	2,869	3,091
C. Charleston	389	6,361	6,421	7,231	8,662	4,126	4,485	5,036	5,698
U. Hawaii, Hilo	390	7,411	8,001	8,112	8,501	5,510	5,292	6,068	6,015
U. Northern Colorado	391	3,159	3,308	9,064	8,476	1,942	1,692	1,705	1,325
California State U., Bakersfield	392	6,253	4,815	6,409	8,457	3,827	2,665	3,525	4,979
Lawrence Technological U.	393	1,764	3,050	4,632	8,435	284	1,109	1,786	4,253
Pacific U.	394	4,690	6,128	10,719	8,383	2,072	2,672	7,133	3,329
Texas A&M International U.	395	3,740	4,486	5,602	8,378	1,243	1,624	1,966	3,903
U. Wisconsin-Superior	396	2,602	4,615	4,825	8,355	1,843	3,635	3,559	7,452
Lamar U.	397	4,734	5,304	9,168	8,324	1,873	1,180	2,259	2,572
Edward Via C. of Osteopathic Medicine	398	6,629	7,121	7,597	8,132	537	482	678	686
U. New England	399	6,234	6,664	6,756	8,093	3,864	3,660	4,777	5,893
Santa Clara U.	400	3,142	4,225	5,679	8,011	1,930	2,660	3,448	3,494
U. Arkansas, Pine Bluff	401	8,713	7,506	7,766	7,975	3,960	3,306	4,204	4,728
U. Washington, Tacoma	402	4,291	5,484	6,243	7,973	3,459	4,553	3,875	5,319
Georgia C. and State U.	403	247	216	294	7,957	127	51	174	561
Abilene Christian U.	404	4,597	6,310	8,182	7,868	827	1,032	946	328
Benedict C.	405	745	1,059	2,307	7,788	725	1,057	1,665	4,201
Claremont McKenna C.	406	4,515	5,893	6,925	7,777	637	1,070	1,035	1,208

Table 6. 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 2024 total R&D expenditures: FYs 2021–24

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2021	2022	2023	2024	2021	2022	2023	2024
Southern Connecticut State U.	407	5,750	6,286	8,007	7,620	713	848	1,433	1,159
Philadelphia C. of Osteopathic Medicine	408	6,186	6,667	7,459	7,611	318	40	442	225
U. Colorado Colorado Springs	409	5,338	7,761	7,012	7,528	3,942	5,345	5,205	6,025
Marian U., Indianapolis	410	ne	ne	3,009	7,524	ne	ne	918	1,598
Smith C.	411	4,085	5,831	5,954	7,375	2,433	2,403	3,013	3,459
Norfolk State U.	412	4,316	3,593	6,194	7,309	3,976	3,398	4,381	4,918
Texas A&M U.-San Antonio	413	1,311	1,242	1,593	7,149	277	394	1,233	3,916
Grinnell C.	414	4,122	5,867	7,597	7,131	344	242	1,082	634
Williams C.	415	4,902	5,657	6,448	7,074	1,152	1,286	1,455	1,537
Pennsylvania State U., Behrend	416	5,509	6,384	7,614	7,054	2,286	3,262	4,378	3,920
Grand Valley State U.	417	6,809	6,695	6,231	7,041	1,415	1,819	1,808	2,035
Wellesley C.	418	6,252	6,326	6,320	6,989	3,469	2,915	2,921	2,890
Northwest Indian C.	419	4,641	5,632	6,184	6,988	3,704	4,298	4,595	5,172
Dine C.	420	1,570	2,091	3,054	6,960	1,570	2,091	2,255	4,692
West Chester U. Pennsylvania	421	4,433	5,903	6,132	6,870	608	854	1,386	1,822
U.S. Army War C.	422	4,662	5,496	6,035	6,819	4,662	5,496	6,035	6,793
Texas A&M U.-Commerce	423	3,827	4,955	7,029	6,811	1,283	1,776	1,936	2,412
Indiana U. Pennsylvania	424	6,180	6,313	6,052	6,568	1,503	1,797	1,702	1,536
New York Institute of Technology	425	4,465	5,555	5,790	6,559	1,988	2,988	3,252	3,710
Sul Ross State U.	426	3,004	3,940	4,878	6,546	843	1,205	1,568	3,900
U. Southern Maine	427	5,480	5,498	5,930	6,545	2,020	2,201	2,598	2,862
Memorial Sloan Kettering Cancer Center, Louis V. Gerstner Jr. Graduate S. of Biomedical Sciences	428	3,776	4,954	5,324	6,480	376	858	273	392
Barnard C.	429	4,632	4,988	6,320	6,361	3,527	3,758	4,235	4,334
Oregon Institute of Technology	430	4,314	5,086	5,585	6,311	252	340	1,375	1,548
Bryn Mawr C.	431	8,987	9,123	9,039	6,302	1,429	1,257	1,289	1,152
CUNY, Lehman C.	432	4,181	4,656	5,918	6,259	3,382	3,652	4,487	4,313
Roseman U. of Health Sciences	433	5,985	6,296	6,065	6,198	53	30	38	63
Bucknell U.	434	4,476	5,259	5,887	6,193	1,696	2,539	2,359	2,692
Swarthmore C.	435	3,296	4,225	5,620	6,067	1,414	1,733	2,315	1,866
West Virginia State U.	436	6,565	6,703	5,226	6,059	4,119	4,278	2,800	3,779
U. of St. Thomas (MN)	437	5,146	2,476	2,280	5,994	1,321	527	531	1,391
CUNY, Baruch C.	438	2,521	3,156	4,084	5,977	1,691	1,894	1,879	2,168
Providence C.	439	766	2,012	5,533	5,924	574	1,649	4,648	5,021
Alfred U.	440	2,660	3,477	4,154	5,915	939	1,008	1,958	3,590
Morehouse C.	441	4,533	5,664	5,750	5,903	4,533	5,664	5,750	5,903
Naval War C.	442	5,542	5,529	5,819	5,868	5,542	5,529	5,819	5,868
Fairfield U.	443	849	1,097	4,213	5,839	147	197	180	241

Table 6. 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 2024 total R&D expenditures: FYs 2021–24

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2021	2022	2023	2024	2021	2022	2023	2024
Trinity U.	444	2,905	3,657	5,296	5,838	1,078	1,345	2,203	2,304
U. Baltimore	445	14,672	6,646	6,615	5,797	11,692	4,853	4,250	3,471
California State U., Dominguez Hills	446	2,690	4,230	5,558	5,762	2,001	3,156	2,457	2,674
Occidental C.	447	3,587	4,309	5,031	5,753	2,348	1,994	1,640	1,285
CUNY, C. Staten Island	448	2,860	3,545	4,730	5,737	2,234	2,916	3,296	4,625
Pennsylvania State U., Harrisburg	449	2,938	2,927	5,159	5,735	1,616	1,911	3,045	3,305
Sacred Heart U.	450	972	3,741	4,733	5,698	675	862	639	1,337
U. North Carolina, Asheville	451	4,844	5,973	6,761	5,677	2,322	2,600	3,323	3,295
Dakota State U.	452	3,416	4,684	5,253	5,652	2,603	3,976	2,437	2,111
U. New Haven	453	4,069	4,548	3,602	5,640	2,069	2,447	2,227	2,836
High Tech High Graduate School of Ed.	454	5,032	6,203	5,939	5,585	0	0	0	0
Hope C.	455	5,211	6,355	6,910	5,584	1,992	3,691	3,639	3,317
Southeastern Louisiana U.	456	1,723	2,407	2,858	5,577	795	1,285	1,366	1,688
Pomona C.	457	2,146	2,589	4,149	5,522	930	1,217	1,205	1,083
Southern U. and A&M C., Baton Rouge	458	4,943	4,344	5,201	5,483	3,770	3,595	4,444	5,298
U. Washington, Bothell	459	8,311	8,197	5,738	5,320	2,956	4,009	3,787	4,149
Reed C.	460	5,155	5,155	5,155	5,154	1,948	2,090	2,232	2,377
Rhode Island School of Design	461	4,499	5,080	5,661	5,130	294	301	311	342
Coastal Carolina U.	462	2,245	3,724	4,729	5,094	948	1,130	1,847	2,341
Trinity C., Hartford	463	1,775	1,620	4,099	5,074	1,348	1,049	687	545
Austin Peay State U.	464	2,740	3,149	3,950	5,070	597	870	1,401	2,386
National U.	465	ne	ne	ne	5,022	ne	ne	ne	2,725
Carleton C.	466	3,800	4,358	4,185	4,993	1,499	1,914	2,800	3,167
Toyota Technological Institute, Chicago	467	4,967	4,470	4,636	4,982	3,090	2,199	2,127	2,186
Citadel Military C. South Carolina	468	2,054	4,993	3,757	4,969	1,714	4,360	3,287	4,699
St. John's U., New York	469	2,940	3,592	3,955	4,947	1,950	2,456	2,792	3,685
Sonoma State U.	470	2,957	3,774	4,625	4,928	2,212	2,889	3,483	3,755
Suffolk U.	471	2,043	1,401	5,164	4,890	634	340	893	702
Franklin and Marshall C.	472	3,722	4,440	4,111	4,815	1,363	1,680	1,469	1,924
Claremont Graduate U.	473	7,235	8,382	7,262	4,808	1,152	1,610	1,422	1,061
Colgate U.	474	3,306	4,343	4,930	4,730	1,440	1,570	1,521	1,509
Seattle U.	475	1,562	1,894	3,949	4,699	1,102	1,143	1,165	1,389
U. Wisconsin-Stevens Point	476	4,401	3,740	4,589	4,691	1,776	1,235	2,079	2,048
Bentley U.	477	1,430	1,161	3,261	4,639	762	509	1,014	1,037
Fort Lewis C.	478	1,926	2,765	3,372	4,582	1,746	2,590	2,816	3,866
U. Detroit Mercy	479	4,578	5,186	5,142	4,550	3,917	4,663	4,434	3,797
Spelman C.	480	2,282	2,686	4,877	4,537	1,886	2,539	4,567	4,201

Table 6. 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 2024 total R&D expenditures: FYs 2021–24

(Dollars in thousands)

Institution	Rank	Total				Federally financed							
		2021	2022	2023	2024	2021	2022	2023	2024				
Davidson C.	481	2,466	2,788	2,926	4,525	1,151	1,370	1,340	1,738				
Colby C.	482	1,672	2,530	4,454	4,513	750	1,466	3,011	3,236				
Stephen F. Austin State U.	483	3,204	3,184	3,661	4,502	1,029	879	1,098	951				
U. Central Oklahoma	484	5,333	10,384	5,433	4,495	2,248	2,060	2,624	1,950				
St. Cloud State U.	485	2,379	2,226	2,901	4,416	577	401	689	810				
U. Northern Iowa	486	3,259	3,486	4,564	4,409	1,995	2,132	2,975	3,220				
Monmouth U.	487	1,667	1,938	2,517	4,340	174	535	762	1,143				
St. John Fisher U.	488	ne	ne	3,690	4,190	ne	ne	94	130				
Albany State U.	489	880	1,059	1,932	4,163	552	628	1,681	3,973				
Western Illinois U.	490	3,532	4,311	3,824	4,142	i	3,163	4,032	3,283	3,574	i		
Haverford C.	491	3,835	4,487	4,088	4,103	2,455	2,722	2,344	1,955				
New Mexico Highlands U.	492	1,882	i	2,674	i	3,468	4,074	1,828	i	2,622	i	3,416	3,348
National Louis U.	493	ne	ne	ne	3,993	ne	ne	ne	2,231				
Keck Graduate Institute	494	1,350	i	1,282	4,059	3,972	685	i	643	2,338	2,644		
Fayetteville State U.	495	3,933	3,206	3,574	i	3,942	1,988	1,667	2,461	i	3,256		
East Stroudsburg U. Pennsylvania	496	1,440	1,410	2,928	3,916	538	598	909	1,071				
Alabama State U.	497	2,631	3,178	3,229	3,901	2,338	2,930	2,848	3,408				
Harvey Mudd C.	498	2,359	3,350	3,682	3,900	1,443	1,956	1,968	2,012				
Whitman C.	499	1,034	1,270	1,568	3,891	481	434	449	323				
Des Moines U.	500	5,164	i	5,307	3,932	3,889	1,019	i	1,589	556	402		
Lake Superior State U.	501	1,226	2,056	2,545	3,876	605	1,184	1,475	1,826				
California State U., Channel Islands	502	2,341	3,377	3,992	3,860	993	1,638	1,773	1,672				
U. Nebraska, Kearney	503	3,201	4,009	3,681	3,796	1,327	1,900	1,739	1,645				
Purdue U., Fort Wayne	504	2,495	2,134	2,804	3,791	401	313	226	265				
Hawaii Pacific U.	505	1,849	3,302	2,913	3,784	1,741	2,667	1,942	2,083				
U. Central del Caribe	506	3,831	5,053	4,878	3,780	2,492	2,807	2,929	2,068				
SUNY, C. of Optometry	507	3,460	4,497	4,423	3,776	2,105	2,080	2,469	2,613				
Vassar C.	508	1,606	2,580	2,596	3,775	918	1,052	1,204	2,205				
Christopher Newport U.	509	2,656	2,762	3,507	3,764	1,497	1,701	2,055	2,224				
Bowie State U.	510	1,398	3,351	2,612	3,731	1,398	3,351	2,469	3,714				
U. Wisconsin-Eau Claire	511	1,852	1,628	2,191	3,730	909	681	1,027	1,740				
Roger Williams U.	512	1,854	2,156	3,465	3,679	1,202	1,351	1,973	2,244				
Hamilton C.	513	1,747	1,879	3,285	3,664	286	338	413	633				
U. Texas, Tyler	514	2,279	3,246	3,487	3,632	929	1,585	1,652	1,976				
Murray State U.	515	3,844	3,371	3,193	3,630	2,721	2,176	2,058	2,428				
New England C. of Optometry	516	1,978	1,868	2,491	3,602	1,623	1,609	1,946	1,935				
U. of the Incarnate Word	517	1,982	2,064	2,245	3,580	1,076	1,078	1,086	1,285				

Table 6. 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 2024 total R&D expenditures: FYs 2021–24

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2021	2022	2023	2024	2021	2022	2023	2024
Middlebury C.	518	2,927	2,603	2,975	3,576	2,639	2,281	2,564	3,135
Saginaw Valley State U.	519	2,428	2,862	3,143	3,552	1,899	2,341	2,503	2,818
Winthrop U.	520	2,586	3,424	3,189	3,466	1,495	2,542	2,358	2,894
Tougaloo C.	521	2,442	2,782	3,122	3,462	2,442	2,782	3,122	3,462
National Defense U.	522	3,786	3,920	2,494	3,459	3,786	3,920	2,494	3,459
U. Wisconsin-Oshkosh	523	1,656	1,990	2,087	3,443	1,083	1,336	1,249	1,904
Fisk U.	524	4,320	4,000	4,867	3,425	3,940	3,486	3,819	2,681
Bowdoin C.	525	2,417	2,648	3,339	3,406	1,836	1,867	2,186	1,928
Azusa Pacific U.	526	5,318	3,389	6,097	3,401	212	282	140	245
Pace U.	527	3,649	3,524	4,056	3,348	2,536	2,534	2,698	2,067
Troy U.	528	1,548	2,517	3,785	3,318	1,488	2,296	3,069	2,441
Dillard U.	529	2,528	2,270	2,296	3,317	1,257	1,422	1,228	1,792
Northern Kentucky U.	530	3,403	3,888	3,790	3,271	2,156	2,596	2,413	2,289
SUNY, Oswego	531	1,003	1,209	1,595	3,242	415	544	894	2,176
Minnesota State U., Mankato	532	2,170	2,206	3,055	3,235	575	575	905	977
Furman U.	533	2,431	2,650	2,267	3,231	1,028	1,280	1,300	1,685
U. Central Arkansas	534	3,990	3,684	3,092	3,142	1,640	1,731	1,824	1,823
Milwaukee School of Engineering	535	3,193	3,545	3,317	3,090	751	969	722	573
U. Houston-Clear Lake	536	1,716	1,800	2,127	3,080	865	841	1,273	1,635
U. Wisconsin-La Crosse	537	3,001	2,942	2,921	3,068	895	968	714	1,051
U. Houston-Downtown	538	1,828	1,485	1,967	3,049	1,169	903	1,495	1,975
CUNY, New York City C. of Technology	539	1,367	1,955	2,819	3,033	1,197	1,769	2,498	2,260
Blackfeet Community C.	540	ne	ne	ne	3,001	ne	ne	ne	3,001
Elon U.	541	2,032	1,797	2,544	2,997	138	428	479	480
U. of Health Sciences and Pharmacy in St. Louis	542	5,313	4,280	4,343	2,976	4,063	2,523	3,110	1,867
U. Richmond	543	2,294	2,670	3,058	2,961	1,534	1,624	1,379	1,552
Eastern Washington U.	544	1,921	2,437	2,546	2,957	775	855	1,015	1,722
U. Louisiana, Monroe	545	2,198	3,128	2,203	2,940	1,465	1,993	1,655	2,083
Lewis and Clark C.	546	2,281	2,566	2,686	2,924	702	746	776	1,051
C. New Jersey	547	1,912	3,464	2,641	2,857	1,079	1,984	1,755	1,779
Merrimack C.	548	407	1,010	1,560	2,852	337	804	892	1,339
U. Wisconsin-River Falls	549	999	1,546	2,772	2,847	212	318	551	575
Northeastern Illinois U.	550	1,913	2,224	2,262	2,844	1,913	2,224	2,262	2,844
St. Lawrence U.	551	ne	ne	2,663	2,824	ne	ne	87	211
Kettering U.	552	2,438	1,904	1,770	2,770	353	213	77	761
U. South Carolina Upstate	553	496	594	2,554	2,764	216	358	330	566
Skidmore C.	554	2,335	1,734	2,384	2,759	1,739	861	1,288	1,605

Table 6. 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 2024 total R&D expenditures: FYs 2021–24

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2021	2022	2023	2024	2021	2022	2023	2024
Central Washington U.	555	2,410	3,176	3,683	2,757	1,778	2,429	2,499	1,693
Marymount U.	556	2,307	1,298	2,601	2,749	337	178	396	1,242
CUNY, system office	557	1,664	2,900	4,296	2,723	768	798	2,901	2,051
Chicago State U.	558	2,414	3,701	3,756	2,701	2,414	3,699	3,756	2,701
Youngstown State U.	559	2,775	4,157	3,244	2,691	2,198	3,533	2,691	2,491
La Sierra U.	560	1,517	2,246	2,496	2,688	812	972	1,066	1,148
Lafayette C.	561	1,015	2,059	1,991	2,684	508	1,300	1,141	1,557
U. Texas of the Permian Basin	562	3,504	3,577	2,769	2,682	1,762	1,538	1,013	1,294
Quinnipiac U.	563	1,906	2,128	2,425	2,661	42	49	56	59
Black Hills State U.	564	1,280	1,987	2,260	2,646	1,124	1,676	1,918	2,304
U. Wisconsin-Green Bay	565	1,879	2,713	2,801	2,637	876	1,046	1,222	1,131
Pittsburg State U.	566	2,730	2,884	2,979	2,577	759	1,167	1,591	1,199
U. Illinois, Springfield	567	2,612	2,881	2,508	2,552	1,071	1,210	1,057	712
Virginia Military Institute	568	1,351	1,746	2,350	2,506	1,075	1,137	1,534	1,855
Calvin U.	569	2,637	3,169	2,555	2,490	929	931	854	803
SUNY, Buffalo State U.	570	1,962	2,172	2,636	2,453	977	1,299	1,615	1,419
California State U., Stanislaus	571	2,085	1,966	2,305	2,440	1,354	1,056	1,150	1,705
Seattle Pacific U.	572	683	742	1,671	2,414	630	639	581	564
U. Alaska, Southeast	573	1,176	1,570	1,822	2,398	1,046	1,392	1,463	1,492
Florida Polytechnic U.	574	1,269	1,725	2,260	2,391	459	706	1,172	939
John Carroll U.	575	374	738	2,083	2,378	324	529	916	1,052
Savannah State U.	576	1,804	1,888	1,706	2,376	1,804	1,881	1,675	2,376
Mount Holyoke C.	577	2,026	2,112	2,533	2,372	1,539	1,511	1,612	1,394
U. of the Pacific	578	1,371	1,835	1,972	2,362	1,106	1,351	1,300	1,510
Touro U., California	579	3,489	2,561	2,877	2,356	1,377	964	1,279	923
Western Carolina U.	580	2,847	2,783	2,543	2,333	1,697	1,727	1,600	1,651
Morehead State U.	581	1,754	2,880	2,658	2,295	1,727	2,086	1,718	1,029
Union C., Schenectady	582	1,396	1,479	1,881	2,263	976	750	729	1,288
Utah Valley U.	583	1,154	1,895	2,015	2,254	1,028	1,280	1,671	1,306
Stockton U.	584	1,246	1,657	2,386	2,253	486	728	688	701
Manhattan C.	585	1,864	1,641	1,250	2,184	397	440	422	1,131
Colorado C.	586	5,467	3,646	2,498	2,178	3,725	1,371	611	389
U. Puerto Rico, Cayey	587	1,881	1,390	1,519	2,173	1,202	757	733	1,259
Alaska Pacific U.	588	1,036	1,607	1,823	2,168	189	581	627	1,183
California Baptist U.	589	ne	ne	554	2,148	ne	ne	0	0
Emerson C.	590	581	581	665	2,111	198	122	133	87
Bates C.	591	2,620	2,468	2,118	2,066	2,079	1,785	1,455	909

Table 6. 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 2024 total R&D expenditures: FYs 2021–24

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2021	2022	2023	2024	2021	2022	2023	2024
U.S. Coast Guard Academy	592	155	1,019	689	2,051	154	898	278	289
Ferris State U.	593	853	1,929	1,915	2,046	565	549	1,430	1,103
U. Michigan, Flint	594	752	933	1,243	2,023	113	138	258	627
Lipscomb U.	595	321	1,251	1,946	2,011	222	283	309	245
Nevada State U.	596	1,014	1,191	1,744	1,989	1,012	1,167	1,711	1,989
Hobart and William Smith Colleges	597	1,941	3,228	2,373	1,984	758	1,264	1,019	767
Marshall B. Ketchum U.	598	1,351	i 1,559	i 1,777	i 1,950	i 343	i 383	i 433	i 457
Macalester C.	599	1,280	1,691	1,935	1,948	617	943	1,094	859
U. Hartford	600	1,252	1,090	1,533	1,944	766	886	1,269	1,601
SUNY, C. Brockport	601	1,114	1,500	1,877	1,932	500	751	813	889
U. Puerto Rico, Humacao	601	1,321	1,448	2,074	1,932	1,137	1,160	1,822	1,759
Northern Michigan U.	603	1,364	1,888	1,871	1,931	366	571	560	752
Oberlin C.	604	776	1,036	1,408	1,926	505	492	880	1,142
Southern Utah U.	605	773	846	1,259	1,897	650	603	990	1,331
Erikson Institute	606	1,723	2,068	2,414	1,889	772	815	1,245	904
Heidelberg U.	607	1,725	1,184	1,254	1,876	308	262	197	241
Norwich U.	608	890	1,405	1,637	1,875	588	940	1,366	1,611
Colorado State U., Pueblo	609	2,990	3,117	1,624	1,835	i 1,508	1,278	952	1,072
SUNY, Geneseo	610	2,070	2,091	1,958	1,820	1,273	1,564	1,292	1,062
Franklin W. Olin C. of Engineering	611	1,627	2,554	2,450	1,819	636	809	641	595
Clafin U.	612	1,015	1,179	1,418	1,816	1,005	1,179	1,418	1,816
U. North Georgia	613	1,415	1,734	1,643	1,805	497	734	477	589
United Tribes Technical C.	614	441	1,270	1,387	1,800	405	869	1,337	1,757
Babson C.	615	1,286	1,825	1,957	1,783	0	45	224	351
Biola U.	616	3,003	i 3,260	1,461	1,761	0	i 0	0	0
Lincoln Memorial U.	617	ne	1,330	1,641	1,756	ne	0	2	6
Andrews U.	618	802	1,043	1,255	1,751	256	295	445	638
Dickinson C.	619	767	798	1,584	1,743	305	238	700	707
Texas A&M U.-Central Texas	620	814	894	951	1,726	653	788	906	1,710
Pratt Institute	621	2,547	2,325	1,558	1,709	i 294	228	50	53
U. Portland	622	718	811	986	1,698	90	133	251	671
Arcadia U.	623	889	1,488	1,321	1,692	371	747	772	955
U. Wisconsin-Platteville	624	1,144	i 1,349	i 1,481	i 1,674	i 353	i 435	i 465	i 523
U. Ana G. Mendez, Gurabo	625	1,574	1,419	2,132	1,660	926	1,407	2,132	1,660
Saint John's U.	626	1,125	i 1,298	i 1,479	i 1,623	i 0	i 0	i 0	i 0
U. South Carolina, Aiken	627	2,042	2,595	2,250	1,609	1,884	857	782	1,183
Hartford International U. for Religion and Peace	628	512	1,105	1,485	1,599	i 0	0	0	0

Table 6. 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 2024 total R&D expenditures: FYs 2021–24

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2021	2022	2023	2024	2021	2022	2023	2024
Liberty U.	629	937	1,736	1,900	1,597	120	897	532	548
Northland C.	630	1,096 i	1,265 i	1,442 i	1,582 i	697 i	778 i	880 i	929 i
Pennsylvania State U., Altoona	631	678	1,296	1,215	1,572	225	222	297	448
St. Edward's U.	632	9,527	3,393	1,334	1,570	7,600	1,940	315	141
Eckerd C.	633	367	596	1,599	1,558	139	201	632	369
C. of Saint Benedict	634	1,064 i	1,228 i	1,400 i	1,536 i	46 i	51 i	58 i	61 i
U. Hawaii, Maui C.	635	967	1,147	1,376	1,518	951	1,087	1,234	1,443
CUNY, York C.	636	1,133	1,912	1,711	1,515	922	1,659	1,504	1,318
St. Olaf C.	637	816	1,532	1,724	1,500	271	726	933	796
West Virginia School of Osteopathic Medicine	638	1,255	1,329	1,410 i	1,491	423	468	405 i	342
Drake U.	639	1,488	1,691	1,724	1,485	1,016	1,211	954	936
Saint Mary's U. Minnesota	640	640	889	789	1,480	538	638	573	822
Willamette U.	641	1,817	2,183	1,542	1,470	896	791	490	416
Kenyon C.	642	1,500	1,330	1,371	1,466	1,022	1,021	1,092	1,069
National U. of Natural Medicine	642	850	1,013	1,336	1,466 i	523	685	862	910 i
SUNY, C. Plattsburgh	644	1,280	1,043	1,722	1,465	824	584	1,121	893
U. Virginia's C. Wise	645	3,310	2,628	1,223	1,464	1,307	786	447	1,207
New C. Florida	646	960	1,252	1,080	1,459	92	61	146	296
U. Maine Farmington	647	996 i	1,174 i	1,289 i	1,457 i	699 i	862 i	922 i	1,038 i
Wheaton C., Wheaton	648	729	1,784	2,403	1,445	148	448	428	182
Adelphi U.	649	342	377	495	1,435	274	316	430	622
Eastern Kentucky U.	649	986	1,089	1,446	1,435	530	551	798	871
U. Scranton	649	630	1,207	1,169	1,435	394	892	866	1,109
Eastern Connecticut State U.	652	1,646	1,734	1,449	1,420	108	126	210	197
Roosevelt U.	653	ne	ne	ne	1,418	ne	ne	ne	614
Robert Morris U.	654	ne	1,277 i	1,419	1,412	ne	605 i	664	706
U. North Carolina, general administration	655	4,024	3,522	5,735	1,403	408	369	0	0
Scripps C.	656	150 i	ne	ne	1,398	73 i	ne	ne	484
Graduate School of the Stowers Institute for Medical Research	657	555	780	666	1,371	0	0	0	0
Loyola U., Maryland	658	628	866	1,110	1,362	339	206	544	820
U. of Mary Washington	659	1,123	1,229	1,115	1,333	485	501	406	610
Butler U.	660	1,071	1,691	1,396	1,313	741	1,227	1,077	1,004
C. Wooster	661	1,396 i	1,717	2,209	1,296	510 i	737	594	390
Radford U.	662	832	1,056	1,315	1,291	253	161	109	84
Metropolitan State U. of Denver	663	416	666	651	1,282	263	261	390	1,043
Midwestern State U.	664	882	886	1,027	1,261	515	416	491	565
Bluefield State U.	665	506	642	987	1,258	501	506	574	903

Table 6. 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 2024 total R&D expenditures: FYs 2021–24

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2021	2022	2023	2024	2021	2022	2023	2024
Hult International Business School	666	953	i 1,043	i 1,159	i 1,248	466	i 506	i 555	i 598
U. Puget Sound	666	1,233	1,051	1,613	1,248	591	780	1,300	1,102
Eastern Illinois U.	668	529	553	869	1,242	289	320	413	639
SUNY, Polytechnic Institute	669	465,273	413,763	284,677	1,234	25,427	32,396	34,393	707
Weber State U.	670	822	813	1,026	1,217	423	500	759	827
California Lutheran U.	671	1,129	627	1,279	1,201	518	298	490	181
Western New England U.	671	1,973	2,052	1,115	1,201	i 781	648	538	579
American Samoa Community C.	673	815	941	i 1,067	i 1,195	815	931	i 1,047	i 1,164
SUNY, Potsdam	673	540	622	904	1,195	433	454	682	961
Pennsylvania State U., Berks	675	382	564	640	1,187	293	507	550	994
Concord U.	676	ne	ne	807	1,178	ne	ne	756	1,161
U. South Carolina, Beaufort	677	976	1,041	1,466	1,177	464	440	889	615
Roanoke C.	678	738	955	932	1,173	10	3	16	5
Illinois C. of Optometry	679	490	831	1,324	1,158	13	46	19	5
Juniata C.	680	380	545	1,177	1,155	229	442	1,012	939
Gettysburg C.	681	648	1,030	1,099	1,154	268	333	517	562
SUNY, Cobleskill	682	1,106	1,211	2,566	1,149	243	379	730	805
La Salle U.	683	829	917	1,045	i 1,147	i 21	0	0	i 0
Indiana State U.	684	1,042	1,354	1,327	1,138	582	894	980	838
Montana State U., Billings	685	522	685	870	1,135	429	518	710	856
Southern C. of Optometry	686	ne	ne	288	1,125	ne	ne	5	10
Nicholls State U.	687	551	687	1,259	1,120	182	301	624	558
Albany C. of Pharmacy and Health Sciences	688	3,687	2,276	1,695	i 1,113	1,900	1,110	844	i 578
Denison U.	689	786	i 845	1,012	1,110	i 609	i 645	589	622
Connecticut C.	690	1,244	1,875	1,440	1,096	439	620	648	466
Louisiana State U., Shreveport	691	462	723	725	1,090	273	568	401	735
Elizabeth City State U.	692	1,717	1,934	1,641	1,078	1,603	1,667	1,093	642
Indiana U., South Bend	693	898	1,075	1,593	1,071	337	297	420	250
CUNY, Medgar Evers C.	694	694	595	881	1,070	470	380	266	471
Bradley U.	695	416	240	301	1,066	101	88	115	730
Aaniih Nakoda C.	696	ne	864	1,226	1,045	ne	864	1,226	1,045
Southern Oregon U.	697	534	447	1,092	1,023	312	135	612	749
Gonzaga U.	698	212	640	535	1,022	107	226	254	518
Lake Erie C. of Osteopathic Medicine	699	502	484	517	1,019	0	0	0	0
Ursinus C.	700	835	1,044	1,150	1,015	682	743	942	940
St. Bonaventure U.	701	378	642	1,037	1,003	215	386	554	646
High Point U.	702	ne	ne	ne	1,000	i ne	ne	ne	565

Table 6. 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 2024 total R&D expenditures: FYs 2021–24

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2021	2022	2023	2024	2021	2022	2023	2024
U. Tampa	703	551	886	883	994	124	418	121	288
Stetson U.	704	611	580	513	985	304	379	452	836
Loyola U., New Orleans	705	476	911	419	982	93	29	37	125
Central Connecticut State U.	706	1,314	1,035	934	966	663	511	393	457
Bridgewater State U.	707	522	954	750	941	363	821	449	526
Johnson C. Smith U.	708	2,578	2,685	1,602	936	2,049	1,868	1,554	915
Plymouth State U.	709	2,318	669	1,361	934	421	571	877	805
Augsburg U.	710	815	815	917	925	408	370	485	410
U. Minnesota, Rochester	711	730	784	1,192	921	103	93	32	0
Valparaiso U.	712	925	688	1,036	918	805	572	920	799
Minerva U.	713	ne	ne	ne	916	ne	ne	ne	0
U. North Texas, Dallas	714	ne	ne	1,293	911	ne	ne	50	26
Northeastern State U.	715	279	351	187	908	179	208	121	762
U. Wisconsin-Stout	716	406	367	512	906	27	61	138	443
Angelo State U.	717	943	740	946	903	20	85	140	224
U. Central Missouri	718	495	642	715	900	296	399	459	763
Wilkes U.	719	372	423	682	894	109	134	203	183
Geisinger Commonwealth School of Medicine	720	ne	ne	500	886	ne	ne	15	12
U. Puerto Rico, Ponce	721	580	1,369	659	875	427	1,089	510	787
West Liberty U.	722	738	815	910	871	406	498	490	486
Niagara U.	723	509	440	661	869	34	54	10	404
Kalamazoo C.	724	600	692	789	866	225	251	284	300
Gustavus Adolphus C.	725	953	1,136	969	860	445	468	467	318
Xavier U.	725	ne	ne	ne	860	ne	ne	ne	626
Baldwin Wallace U.	727	210	167	463	844	20	7	47	380
Keene State C.	727	919	770	1,071	844	894	770	834	745
Augustana U.	729	1,013	724	757	831	1,013	724	757	800
Gannon U.	730	972	569	889	829	61	150	199	71
St. Catherine U.	731	1,157	933	1,060	824	270	300	673	517
Iona U.	732	411	650	649	817	411	650	649	817
Simmons U.	733	487	668	620	814	466	383	254	340
C. of the Holy Cross	734	445	688	893	813	425	653	691	539
William Paterson U.	735	7,867	7,574	533	808	1,893	1,896	168	537
Southwestern U.	736	408	520	575	804	11	11	52	189
Lawrence U.	737	536	671	794	803	248	286	327	220
Northwestern State U. Louisiana	738	1,663	1,848	1,323	798	738	742	680	618
Alverno C.	739	215	228	263	796	0	0	0	796

Table 6. 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 2024 total R&D expenditures: FYs 2021–24

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2021	2022	2023	2024	2021	2022	2023	2024
Polytechnic U. Puerto Rico	739	821	620	1,039	796	821	620	1,039	796
Fairleigh Dickinson U.	741	318	225	498	793	248	222	456	787
Saint Michael's C.	742	876	754	754	790	744	485	598	637
Ithaca C.	743	1,030	1,000	861	787	685	703	453	399
Auburn U., Montgomery	744	442	698	1,281	779	201	464	864	446
San Juan Bautista School of Medicine	745	598	662	740	778	448	466	547	566
Fort Hays State U.	746	800	641	732	774	482	342	361	497
Sewanee: U. of the South	747	668	547	592	771	45	6	17	39
Rollins C.	748	533	532	995	759	165	189	415	288
Siena C.	749	923	675	764	755	265	291	303	361
Francis Marion U.	750	207	402	308	754	174	289	228	280
Eastern New Mexico U., Portales	751	355	499	394	753	323	466	343	664
Widener U., Chester	752	417	600	804	752	351	474	636	517
Palmer C. of Chiropractic, Davenport	753	2,233	2,050	1,725	750	1,733	1,550	1,500	500
Bethune-Cookman U.	754	928	707	682	747	715	494	650	747
Regis U.	754	476	744	779	747	328	494	702	599
U. Bridgeport	754	ne	ne	542	747	ne	ne	251	280
Coe C.	757	538	614	802	734	330	401	562	542
Pennsylvania State U., Abington	757	369	323	320	734	279	184	132	180
Pennsylvania Western U.	759	na	na	508	726	na	na	460	678
Allegheny C.	760	ne	ne	532	720	ne	ne	192	362
Pennsylvania State U., Great Valley School of Graduate Professional Studies	761	927	432	712	716	457	251	343	110
Point Loma Nazarene U.	762	505	565	482	708	126	1	34	17
Touro U., Nevada	762	ne	697	853	708	ne	72	131	63
Indiana Wesleyan U.	764	878	722	852	707	216	187	275	276
U. West Georgia	765	396	i 309	574	705	197	i 174	172	447
Evergreen State C.	766	783	586	791	704	256	119	45	129
Utica U.	767	466	562	812	703	0	0	0	90
Susquehanna U.	768	360	333	499	700	20	31	14	210
Lincoln U.	769	ne	ne	628	695	ne	ne	430	584
Ohio Wesleyan U.	770	404	267	323	682	275	97	174	517
Berry C.	771	371	541	1,046	670	332	453	993	534
Salve Regina U.	771	624	813	732	670	624	813	732	562
SUNY, Old Westbury	773	347	i 428	634	663	206	i 243	389	542
East Central U.	774	242	480	483	662	216	447	447	590
SUNY, Farmingdale State C.	775	606	611	631	658	180	185	180	305
Kansas City U.	776	ne	ne	274	653	ne	ne	166	425

Table 6. 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 2024 total R&D expenditures: FYs 2021–24

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2021	2022	2023	2024	2021	2022	2023	2024
Salish Kootenai C.	777	596	782	553	647	596	782	553	647
Saint Francis U.	778	872	533	592	637	199	221	242	261
Georgia Gwinnett C.	779	489	367	249	633	372	249	216	596
Oakwood U.	780	474	340	427	623	463	329	371	569
Lake Forest C.	781	267	493	562	617	0	37	42	44
Fairmont State U.	782	ne	ne	ne	610	ne	ne	ne	610
Oglala Lakota C.	783	473	424	588	594	473	424	588	594
U. Minnesota, Morris	784	855	805	698	593	162	150	87	76
Barry U.	785	343	367	469	586	40	65	98	123
Ramapo C. New Jersey	786	408	365	346	583	373	319	284	523
Emporia State U.	787	586	510	816	577	312	291	589	317
Whitworth U.	788	403	438	473	571	91	153	216	206
Jacksonville State U.	789	275	197	538	569	245	113	423	381
St. Norbert C.	790	412	741	629	557	177	474	514	352
Truman State U.	791	237	327	318	551	46	73	29	274
Sonoran U. Health Sciences	792	ne	520	600	550	ne	0	0	0
Columbus State U.	793	206	271	276	549	77	228	210	411
Truckee Meadows Community C.	794	ne	334	403	548	ne	334	403	548
Colorado Mesa U.	795	823	802	443	541	664	676	290	390
Salus U.	796	677	680	663	540	414	417	396	420
Dordt U.	797	696	679	712	533	594	552	581	475
Elmhurst U.	798	464	676	613	526	459	676	224	31
Rider U.	799	322	353	522	524	126	200	364	261
Canisius U.	800	1,036	1,160	905	521	597	454	411	422
Luther C.	800	289	212	217	521	95	45	71	51
Southwestern Oklahoma State U.	802	614	531	582	512	419	303	300	277
U. Puerto Rico, Aguadilla	802	639	823	741	512	425	617	700	502
Palo Alto U.	804	428	426	473	509	207	205	225	242
McNeese State U.	805	664	432	435	502	17	22	32	36
Ouachita Baptist U.	806	217	309	378	501	217	309	378	501
U. Houston-Victoria	806	ne	ne	475	501	ne	ne	419	501
Wabash C.	808	ne	465	370	494	ne	304	210	302
Western Connecticut State U.	809	353	399	424	490	201	221	144	153
U. Minnesota, Crookston	810	ne	ne	358	489	ne	ne	0	0
Grambling State U.	811	2,124	1,287	449	486	731	554	377	410
Moravian U.	811	255	386	516	486	90	185	192	333
Hendrix C.	813	651	709	587	484	584	629	538	435

Table 6. 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 2024 total R&D expenditures: FYs 2021–24

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2021	2022	2023	2024	2021	2022	2023	2024
Earlham C.	814	287	405	815	478	8	0	0	15
Arkansas Tech U.	815	751	921	668	474	632	737	393	303
MCPHS U.	816	346	290	426	468	85	80	166	242
Lewis-Clark State C.	817	401	582	468	463	349	550	468	463
U. Wisconsin-Whitewater	817	760	713	536	463	623	445	280	137
Benedictine U.	819	ne	150	489	461	ne	64	338	276
Bryant U.	820	347	534	558	459	280	394	436	358
SUNY, New Paltz	820	329	308	392	459	114	139	265	235
Shaw U.	822	ne	259	412	452	ne	168	162	171
Northwest Nazarene U.	823	442	509	456	451	307	356	302	243
Kutztown U. Pennsylvania	824	292	450	722	446	159	351	584	289
Wheaton C., Norton	825	186	ne	ne	445	186	ne	ne	217
Pitzer C.	826	225	287	330	443	0	0	0	84
Cornell C.	827	464	409	563	440	264	116	72	107
Northern New Mexico C.	828	350	239	264	432	350	239	264	432
Pacific Lutheran U.	829	370	495	347	429	147	170	229	201
Westmont C.	830	295	340	388	426	180	201	227	240
U. Puerto Rico, Arecibo	831	ne	ne	370	418	ne	ne	304	342
Central Wyoming C.	832	ne	504	489	415	ne	504	489	415
St. Mary's C. Maryland	832	349	1,063	205	415	124	599	152	288
Muhlenberg C.	834	288	447	431	414	28	27	51	76
Minnesota State U., Moorhead	835	462	420	378	409	222	124	26	28
U. Ana G. Mendez, Carolina	836	602	645	193	407	489	645	193	407
Southern California U. of Health Sciences	837	418	246	378	406	360	204	377	397
Augustana C.	838	271	353	351	405	116	158	159	254
Albizu U.	839	428	ne	ne	403	0	ne	ne	0
A. T. Still U. of Health Sciences	840	448	517	345	401	257	281	197	310
Bryn Athyn C.	841	316	317	361	396	0	0	0	0
Stonehill C.	842	695	772	542	394	526	425	283	67
Clayton State U.	843	616	600	732	393	532	498	642	387
American C. of Financial Services	844	ne	338	376	392	ne	0	0	0
Coker U.	845	ne	ne	398	391	ne	ne	379	278
SUNY, C. Cortland	846	381	530	715	388	340	396	507	103
Fond du Lac Tribal and Community C.	847	ne	ne	ne	387	ne	ne	ne	387
Northwest Missouri State U.	847	190	231	360	387	100	100	108	93
Minot State U.	849	512	187	412	384	439	143	314	347
DePauw U.	850	304	175	430	373	89	48	102	100

Table 6. 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 2024 total R&D expenditures: FYs 2021–24

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2021	2022	2023	2024	2021	2022	2023	2024
Indiana U., Southeast	850	591	523	421	373	64	13	41	18
Converse U.	852	294	254	205	371	241	209	164	286
Molloy C.	853	ne	ne	ne	361	ne	ne	ne	216
Wittenberg U.	854	445	508	325	357	228	331	162	171
Transylvania U.	855	ne	ne	ne	353	ne	ne	ne	93
Life Chiropractic C.-West	856	ne	350	350	350	ne	0	0	0
Slippery Rock U. Pennsylvania	857	295	323	583	348	50	11	200	67
Doane U.	858	699	502	374	345	596	430	299	326
Austin C.	859	302	349	388	344	85	110	121	54
Indiana U., Northwest	860	553	495	253	342	273	203	33	119
Arkansas C. of Health Education	861	672	301	277	327	69	46	104	5
Gordon C.	862	ne	ne	ne	317	ne	ne	ne	134
U. Maine, Augusta	863	ne	ne	317	312	ne	ne	18	23
Valdosta State U.	863	423	262	225	312	123	47	67	97
Hamline U.	865	493	162	241	310	320	35	109	226
Marist C.	866	ne	ne	386	308	ne	ne	188	149
Pontifical Catholic U. Puerto Rico, Ponce	866	350	334	478	308	186	97	167	98
Commonwealth U. of Pennsylvania	868	ne	ne	304	306	ne	ne	162	126
Coppin State U.	869	299	398	357	304	212	275	209	151
West Virginia U., Institute of Technology	869	ne	ne	229	304	ne	ne	94	176
Pennsylvania State U., Wilkes-Barre	871	250	267	335	301	249	267	335	301
Rhode Island C.	871	10,990	11,127	839	301	4,894	5,372	786	298
National U. of Health Sciences	873	ne	ne	ne	300	ne	ne	ne	0
Alabama C., Osteopathic Medicine	874	184	236	311	296	17	34	0	0
Taylor U.	875	214	204	346	292	9	16	11	45
Indiana U., Kokomo	876	441	490	429	288	27	75	31	0
Dickinson State U.	877	ne	ne	ne	284	ne	ne	ne	70
Jacksonville U.	877	460	162	200	284	0	0	0	0
California U. of Science and Medicine	879	ne	ne	ne	280	ne	ne	ne	0
Centre C.	879	265	314	232	280	136	173	204	264
SUNY, Oneonta	881	214	288	305	275	24	3	3	34
Bard C.	882	248	255	263	271	67	69	71	73
Southern Arkansas U.	883	611	281	427	263	422	113	252	76
Pacific Northwest U. of Health Sciences	884	ne	ne	307	262	ne	ne	200	157
Washington and Lee U.	885	256	249	243	259	163	179	224	229
Longwood U.	886	544	249	838	256	412	47	642	214
Mayville State U.	887	634	ne	ne	251	513	ne	ne	248

Table 6. 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 2024 total R&D expenditures: FYs 2021–24

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2021	2022	2023	2024	2021	2022	2023	2024
U. Tennessee, Martin	888	199	162	ne	250	22	61	ne	88
Rogers State U.	889	ne	ne	253	245	ne	ne	81	81
Fuller Theological Seminary	890	ne	ne	271	242	ne	ne	75	69
U. North Alabama	891	539	650	442	234	331	320	332	151
Concordia C., Moorhead	892	308	291	589	233	35	32	352	52
Indiana U., East	893	ne	ne	ne	228	ne	ne	ne	53
Life U.	894	364	419	248	224	0	0	0	0
Millersville U. Pennsylvania	895	931	395	224	223	785	213	95	4
U. Ana G. Mendez, Cupey	895	739	728	746	223	598	728	746	223
SUNY, Purchase C.	897	ne	ne	ne	217	ne	ne	ne	159
Nueta Hidatsa Sahnish C.	898	ne	ne	ne	213	ne	ne	ne	213
Delta State U.	899	238	673	351	212	219	661	336	182
Metropolitan State U.	899	162	i 176	i 196	i 212	i 85	i 94	i 104	i 113
Oral Roberts U.	901	ne	ne	190	205	ne	ne	0	0
U. Evansville	901	284	285	336	205	144	171	190	84
Whittier C.	903	300	i 260	220	202	0	5	i 11	53
Montana State U., Northern	904	372	214	292	200	148	43	207	200
U. Southern Indiana	904	161	ne	ne	200	36	ne	ne	93
LeTourneau U.	906	346	239	175	198	217	169	88	47
California State U., system office	907	ne	ne	ne	197	ne	ne	ne	197
Maryland Institute C. of Art	908	634	407	292	196	309	93	134	191
U. Lynchburg	908	i 150	i 164	i 182	i 196	i 86	i 93	i 102	i 110
C. Southern Nevada	910	335	303	210	190	327	275	201	182
Carthage C.	911	ne	ne	1,013	188	ne	ne	722	76
Eastern Mennonite U.	912	233	ne	ne	187	151	ne	ne	187
Northern State U.	912	190	305	282	187	173	174	110	115
Agnes Scott C.	914	351	433	306	i 179	152	260	202	i 144
Concordia U., Wisconsin	915	439	168	291	169	170	150	162	150
Goucher C.	916	255	ne	ne	166	165	ne	ne	92
Antioch U.	917	ne	263	225	164	ne	187	112	107
Manchester U.	918	266	303	249	163	134	100	46	0
Cooper Union	919	545	501	332	i 162	233	202	173	i 144
Mississippi Valley State U.	920	391	344	233	161	379	330	220	147
William Carey U.	920	ne	ne	170	161	ne	ne	16	38
California State U., Maritime Academy	922	2,799	526	305	152	548	192	220	86
Fitchburg State U.	923	ne	ne	ne	150	i ne	ne	ne	92
Jarvis Christian U.	923	ne	ne	ne	150	i ne	ne	ne	65

Table 6. 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 2024 total R&D expenditures: FYs 2021–24

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2021	2022	2023	2024	2021	2022	2023	2024
Johnson and Wales U., Providence	923	ne	ne	ne	150 i	ne	ne	ne	85 i
All other surveyed institutions	-	596,428	590,977	11,654	0	267,885	259,489	4,662	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.

^a Johns Hopkins University includes the Applied Physics Laboratory, with \$2,549,821 thousand in total and \$2,478,980 thousand in federally financed R&D expenditures in FY 2024.

^b The University of Maryland includes expenditures from the University of Maryland, Baltimore and University of Maryland, College Park campuses. In FY 2019, the two campuses began reporting as one research unit to reflect their new strategic partnership. This relationship was codified through the University of Maryland Strategic Partnership Act passed by the Maryland General Assembly in 2016. Prior to FY 2019, both campuses reported to the survey as separate institutions.

^c The University of 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.

^d The University of Oklahoma includes expenditures from the University of Oklahoma, Tulsa and University of Oklahoma, Norman and Health Science Center campuses. Due to a reorganization, the campuses began reporting as one unit in FY 2024.

^e 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 2024 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 5.

Source(s):

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