

TABLE 23

Federally financed higher education R&D expenditures, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
All institutions	-	37,477,582	40,768,251	40,142,223	39,445,931	37,961,118	37,846,802	38,771,218	40,223,757	41,836,102	44,455,265
Johns Hopkins U. ^a	1	1,737,261	1,884,025	1,857,580	1,898,927	1,950,016	1,992,837	2,104,653	2,178,605	2,251,097	2,482,130
U. Washington, Seattle	2	829,885	948,976	909,652	928,193	909,034	906,768	946,787	952,738	989,221	992,643
U. Michigan, Ann Arbor	3	747,778	820,125	791,729	814,167	742,160	735,447	786,749	829,695	849,123	886,851
Stanford U.	4	593,016	656,114	636,348	652,472	637,730	675,930	694,693	710,698	711,443	738,957
Columbia U. in the City of New York	5	572,213	645,233	645,573	635,987	608,588	592,545	600,457	647,840	686,338	736,536
U. North Carolina, Chapel Hill	6	545,993	600,843	606,348	623,237	610,664	585,758	632,426	676,282	701,169	720,613
U. Pennsylvania	7	642,180	707,051	669,970	636,589	620,396	611,620	655,791	669,911	688,313	717,359
Georgia Institute of Technology	8	372,122	427,867	484,212	522,134	512,015	551,084	568,430	584,891	654,877	716,207
Duke U.	9	514,084	585,262	587,268	581,695	557,969	559,217	575,521	623,573	645,259	709,705
U. California, San Diego	10	580,279	636,879	656,891	632,593	599,095	603,343	604,298	641,469	635,888	698,925
U. Maryland ^b	11	na	na	na	na	na	na	na	na	na	696,880
U. Pittsburgh, Pittsburgh	12	594,675	662,471	637,857	622,232	582,136	561,210	580,650	617,884	649,166	677,559
U. California, San Francisco	13	514,693	570,116	559,329	566,117	544,697	535,457	602,705	606,768	669,470	671,047
Harvard U.	14	474,899	543,097	589,860	594,392	572,918	545,202	558,611	573,157	587,584	618,405
U. Wisconsin-Madison	15	545,189	593,633	580,661	555,875	548,388	533,286	567,132	570,796	574,048	608,925
U. California, Los Angeles	16	538,521	563,560	539,054	501,368	465,170	489,404	487,869	487,846	576,076	600,714
Pennsylvania State U., University Park and Hershey Medical Center	17	464,750	468,705	531,421	558,871	520,574	513,410	538,938	538,164	565,348	600,489
Yale U.	18	475,794	519,844	518,184	503,227	480,384	477,143	503,221	541,608	552,242	576,776
U. Southern California	19	408,564	453,283	443,842	437,813	431,430	421,227	409,516	450,204	501,893	543,607
Washington U., Saint Louis	20	468,642	469,490	441,406	411,299	419,122	432,228	442,335	474,446	506,006	543,508
Cornell U.	21	448,085	476,583	472,673	445,116	439,770	446,360	430,987	438,182	470,020	525,182
Northwestern U.	22	360,980	399,719	393,074	396,138	391,946	393,186	432,413	446,609	469,525	502,300
Ohio State U.	23	399,942	493,130	445,635	456,590	454,484	446,048	454,834	464,311	474,994	497,651
U. Minnesota, Twin Cities	24	426,359	489,480	485,462	494,206	489,767	476,029	469,260	456,443	464,300	494,549
Vanderbilt U. and Vanderbilt U. Medical Center	25	397,656	458,173	448,948	445,044	422,448	401,738	405,589	452,885	471,625	492,808
Massachusetts Institute of Technology	26	457,575	489,080	496,132	490,809	483,891	488,421	503,858	487,434	479,654	489,345
Icahn School of Medicine at Mount Sinai	27	302,770	296,835	271,722	277,517	300,667	329,641	342,104	367,522	398,656	443,745
New York U.	28	260,463	302,221	316,208	300,730	330,484	344,570	350,355	391,144	416,143	436,850
Emory U.	29	336,986	369,982	361,165	365,121	330,378	348,071	361,288	382,177	393,647	424,461
U. Colorado Boulder	30	292,030	323,078	330,089	319,869	314,890	353,341	371,995	374,209	391,817	412,691
U. Texas, Austin	31	350,308	355,437	354,873	372,633	332,758	346,215	357,309	396,447	405,131	407,981

TABLE 23

Federally financed higher education R&D expenditures, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
U. Alabama, Birmingham	32	325,103	344,164	306,210	290,082	280,333	328,531	348,632	358,916	373,360	398,403
U. Florida	33	279,649	306,349	305,067	296,199	289,327	287,230	307,140	327,288	355,517	387,906
U. Illinois, Urbana-Champaign	34	303,852	323,454	359,989	468,798	343,275	338,178	335,056	358,905	353,710	382,206
U. California, Davis	35	332,325	362,976	358,577	347,038	330,367	326,039	339,209	342,407	360,018	374,707
Texas A&M U., College Station and Health Science Center	36	288,173	291,812	269,460	314,104	311,920	304,437	293,551	307,656	333,768	359,609
Case Western Reserve U.	37	333,689	353,470	359,000	349,487	329,320	308,434	321,214	326,643	349,177	357,549
U. Colorado Denver and Anschutz Medical Campus	38	285,126	307,395	315,685	296,932	285,017	274,345	298,960	311,720	331,945	353,021
U. California, Berkeley	39	312,789	336,191	338,759	311,809	313,390	346,262	341,807	330,339	329,464	347,601
U. Chicago	40	352,728	372,288	336,125	300,718	281,464	294,437	297,953	308,002	303,175	332,776
Michigan State U.	41	214,134	240,837	268,952	260,610	261,826	272,838	310,225	343,751	328,618	331,148
U. Arizona	42	308,157	327,565	331,578	338,790	290,370	269,959	262,989	273,567	291,767	327,025
Boston U.	43	302,411	305,476	275,319	267,194	257,017	259,736	253,475	259,832	284,888	318,511
Baylor C. of Medicine	44	284,072	295,529	268,753	285,230	264,641	256,895	267,849	292,806	300,098	309,354
Indiana U., Bloomington	45	71,208	74,143	79,727	85,852	84,592	210,899	221,801	245,155	249,243	308,586
U. Rochester	46	322,048	337,907	308,115	299,553	266,767	262,681	266,322	267,860	285,330	306,551
U. Utah	47	227,021	264,234	273,150	301,045	288,514	274,375	233,652	248,908	307,844	302,585
Oregon Health and Science U.	48	247,054	268,777	242,337	246,491	247,740	245,509	232,688	245,199	264,492	298,227
Uniformed Services U. of the Health Sciences	49	72,125	117,781	102,134	119,647	213,389	299,007	175,007	204,241	218,702	297,808
Rutgers, State U. New Jersey, New Brunswick	50	224,894	239,908	279,161	295,028	360,157	323,675	321,432	340,801	350,912	297,609
California Institute of Technology	51	328,522	342,945	326,701	282,823	279,515	272,673	265,206	277,358	280,451	287,198
Colorado State U., Fort Collins	52	211,297	236,566	252,286	219,856	212,054	219,321	232,108	239,165	268,747	284,482
U. Virginia, Charlottesville	53	228,917	252,928	240,254	225,567	205,865	203,401	210,980	228,910	250,168	276,335
Scripps Research Institute	54	313,746	317,201	309,471	308,628	292,268	274,097	242,489	250,090	267,088	267,122
Arizona State U.	55	172,202	185,766	194,376	201,363	196,270	196,528	212,396	227,621	254,384	267,087
U. Cincinnati	56	262,513	287,182	267,691	258,460	245,086	251,717	231,817	242,237	250,202	252,892
U. Iowa	57	282,465	283,627	269,734	255,329	235,527	225,587	237,743	238,842	246,117	252,563
Purdue U., West Lafayette	58	232,564	259,948	270,655	271,504	236,860	217,330	229,093	245,110	251,517	249,831
North Carolina State U.	59	139,096	155,293	174,758	177,118	181,449	199,862	202,336	218,274	219,258	228,945
Utah State U.	60	90,581	113,871	108,501	106,985	114,959	120,369	125,661	138,518	159,447	220,504
U. California, Irvine	61	194,559	209,117	206,985	198,730	182,585	174,875	177,779	187,535	201,173	217,094
U. Miami	62	197,824	225,352	224,172	205,870	203,751	193,606	195,328	194,385	192,598	212,023
Virginia Polytechnic Institute and State U.	63	162,566	189,198	184,175	201,646	204,308	196,096	195,859	186,054	199,897	209,607
U. Illinois, Chicago	64	232,380	248,936	246,128	222,566	203,733	196,010	187,990	198,049	196,840	208,603

TABLE 23

Federally financed higher education R&D expenditures, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
U. Texas Southwestern Medical Center	65	232,027	231,639	207,513	198,114	185,137	183,787	185,263	200,085	197,910	203,544
Albert Einstein C. of Medicine	66	na	na	na	na	na	na	188,521	188,259	196,457	202,513
Carnegie Mellon U.	67	179,386	200,967	209,522	215,560	198,247	187,259	190,620	189,974	181,958	197,978
U. Massachusetts, Medical School	68	178,293	208,244	202,149	189,159	183,582	183,588	181,446	200,232	194,953	197,388
Princeton U.	69	150,261	163,438	161,591	156,541	164,277	158,313	162,003	176,029	180,305	193,453
U. Kentucky	70	171,528	179,161	159,678	150,468	142,312	146,548	154,559	171,323	171,672	192,945
Woods Hole Oceanographic Institution	71	153,066	165,819	161,115	158,672	177,616	172,995	166,010	148,491	163,003	184,995
SUNY, U. Buffalo	72	167,099	182,585	193,613	204,995	189,209	177,441	182,883	186,836	186,494	182,983
U. South Florida, Tampa	73	243,017	243,030	236,148	225,414	222,790	218,338	228,365	250,384	179,024	181,882
Brown U.	74	127,087	128,628	131,994	126,559	129,248	132,142	136,931	145,556	164,452	178,460
U. Texas M. D. Anderson Cancer Center	75	206,664	236,400	196,753	182,971	158,986	161,171	155,044	166,552	173,206	176,156
U. Kansas	76	147,598	162,721	171,043	174,021	165,442	155,835	140,002	148,178	155,147	169,694
Oregon State U.	77	135,886	146,882	156,446	149,396	145,247	153,017	158,142	163,479	171,805	168,571
U. Hawaii, Manoa	78	196,275	201,700	193,722	225,359	206,810	200,202	190,336	182,337	167,030	167,816
Wake Forest U.	79	159,084	173,130	172,779	156,506	153,069	148,451	141,052	148,001	154,363	165,702
U. Oklahoma, Norman and Health Science Center	80	105,366	118,970	133,841	132,456	118,925	127,709	134,772	133,177	149,317	164,855
Temple U.	81	79,939	89,719	90,243	131,872	126,803	129,499	140,775	153,404	155,312	161,673
U. Georgia	82	119,486	137,255	137,710	131,824	126,164	132,118	143,886	158,229	148,543	159,948
U. New Mexico	83	148,216	162,854	160,895	158,057	153,889	154,794	159,280	165,128	169,952	159,940
U. Connecticut	84	132,169	144,280	153,264	148,651	144,104	137,980	146,390	145,637	144,048	159,220
Washington State U.	85	113,452	123,502	129,255	134,329	126,955	134,889	136,646	152,843	151,133	158,982
George Washington U.	86	122,357	116,611	112,110	120,857	141,552	139,016	142,889	148,369	156,768	155,697
Dartmouth C. and Dartmouth Hitchcock Medical Center	87	118,271	131,583	147,421	155,209	145,498	146,233	139,090	137,448	140,399	154,597
U. Dayton	88	73,540	70,996	65,169	67,698	66,318	77,973	100,955	118,452	132,358	153,328
Medical U. South Carolina	89	131,650	143,464	136,907	127,472	118,649	117,255	124,212	134,072	142,639	153,226
Florida State U.	90	134,794	140,850	140,419	148,413	151,701	139,597	126,289	134,278	147,184	149,784
Iowa State U.	91	109,461	117,522	118,242	121,993	116,273	114,518	125,397	128,221	147,679	147,866
Tufts U.	92	116,699	122,208	121,512	113,450	116,204	121,428	126,109	139,532	139,334	146,630
SUNY, Stony Brook U.	93	120,146	125,102	123,383	118,513	111,683	115,150	118,549	125,688	136,241	144,618
Virginia Commonwealth U.	94	144,138	153,228	142,053	135,804	138,559	142,447	143,701	147,585	140,363	142,293
U. Delaware	95	105,454	118,673	117,072	119,756	116,340	114,245	113,217	117,813	118,573	133,020

TABLE 23

Federally financed higher education R&D expenditures, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
U. Texas Health Science Center, Houston	96	150,324	156,790	146,424	144,235	136,145	125,890	121,098	124,461	128,232	132,647
Northeastern U.	97	59,074	67,938	77,667	85,170	79,666	80,576	81,124	93,572	114,711	126,762
U. Tennessee, Knoxville	98	96,972	111,942	112,471	117,836	112,201	105,417	109,722	117,097	117,776	123,434
U. Missouri, Columbia	99	116,965	116,403	114,345	111,510	104,910	105,015	108,674	109,759	112,485	123,252
Medical C. Wisconsin	100	121,750	133,929	125,325	116,765	111,241	109,542	108,529	108,276	111,273	119,036
U. California, Santa Barbara	101	129,457	136,244	136,352	132,960	121,045	116,232	116,775	117,457	113,388	118,517
Wayne State U.	102	132,166	134,735	126,915	119,520	113,618	109,586	111,532	109,421	111,018	118,043
U. Massachusetts, Amherst	103	97,937	107,683	115,280	111,448	110,189	103,417	106,269	108,871	110,654	117,359
U. Nebraska, Lincoln	104	98,417	108,059	106,725	100,592	94,265	95,831	95,426	101,532	103,565	109,954
U. Texas Medical Branch	105	128,840	128,098	109,867	108,287	101,761	98,050	100,464	104,458	104,356	107,806
U. Notre Dame	106	62,152	79,716	83,295	79,564	79,690	83,710	87,129	91,787	96,182	106,411
Mississippi State U.	107	106,324	98,998	96,689	74,075	71,715	80,097	87,277	87,928	89,012	104,738
Tulane U.	108	106,872	111,007	101,360	97,994	94,486	84,166	89,087	93,970	102,201	104,219
U. South Carolina, Columbia	109	125,501	103,296	98,836	91,612	91,890	90,453	93,885	96,048	88,602	102,992
U. Nebraska, Medical Center	110	80,784	86,295	84,196	80,750	76,195	71,918	76,221	84,814	93,463	102,604
U. Central Florida	111	69,331	69,098	78,411	76,533	70,716	88,814	87,417	89,904	97,539	99,310
Florida International U.	112	62,580	65,446	69,402	72,357	78,961	76,528	76,127	71,579	85,541	96,912
U. Texas Health Science Center, San Antonio	113	121,723	121,200	106,177	99,198	89,303	85,940	89,742	85,455	86,956	96,502
George Mason U.	114	63,011	65,301	63,786	65,096	61,877	63,600	58,864	57,345	69,481	96,307
Georgetown U.	115	120,589	123,540	115,197	114,760	100,475	88,015	83,827	94,435	89,977	94,050
U. Alaska, Fairbanks	116	99,657	105,469	99,674	94,953	85,904	81,586	89,940	97,314	94,998	92,964
SUNY, U. Albany	117	124,324	125,189	112,989	114,158	105,333	79,681	77,734	85,469	87,451	92,709
U. Vermont	118	98,635	101,471	87,843	85,118	79,743	83,733	83,124	78,394	86,940	90,405
U. New Hampshire	119	84,553	106,806	119,451	102,053	101,125	92,040	93,599	92,338	95,807	90,241
New Jersey Institute of Technology	120	50,051	54,250	59,398	57,466	54,655	55,094	67,490	79,397	91,999	89,846
Montana State U., Bozeman	121	93,100	87,528	86,511	73,619	72,777	69,136	68,471	74,788	75,524	88,955
Louisiana State U., Baton Rouge	122	97,407	97,517	92,551	94,563	94,701	83,644	86,754	81,644	84,309	88,721
U. Louisville	123	93,260	96,010	89,976	78,144	65,849	68,345	72,644	72,119	80,511	87,563
Drexel U.	124	77,438	83,702	87,860	76,343	77,684	69,462	67,020	70,921	82,777	85,278
U. Alabama, Huntsville	125	73,075	72,665	78,528	85,738	75,343	67,451	69,824	68,609	74,650	85,211
Rockefeller U.	126	88,705	97,710	84,616	80,384	81,820	81,949	80,667	86,763	87,231	84,566
Rice U.	127	69,395	78,730	76,964	80,075	73,965	74,266	83,273	84,469	78,175	83,584
West Virginia U.	128	79,415	88,419	82,149	74,704	69,165	68,731	72,751	72,767	76,527	82,353
Kansas State U.	129	68,560	76,953	77,689	70,167	67,438	69,918	71,224	75,468	80,436	81,269

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(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
U. California, Riverside	130	63,127	62,312	63,821	59,065	57,397	63,515	70,489	76,795	77,314	81,151
Clemson U.	131	62,934	52,919	51,764	52,002	49,887	53,136	60,165	70,256	73,735	81,080
U. Oregon	132	76,378	84,997	86,316	75,423	74,603	69,723	66,850	69,598	71,568	80,083
Thomas Jefferson U.	133	77,817	80,027	68,976	56,247	54,676	58,536	58,866	62,029	64,869	74,816
U. California, Santa Cruz	134	84,518	97,817	94,222	91,002	90,858	92,870	95,294	66,563	63,197	74,669
U. Mississippi	135	71,475	74,918	74,955	64,590	64,218	59,978	64,510	62,483	63,736	73,865
Cold Spring Harbor Laboratory	136	ne	51,529	43,874	41,002	41,845	49,063	50,478	54,260	67,139	73,854
U. Rhode Island	137	62,981	78,303	83,754	74,870	65,715	64,711	61,641	62,785	64,026	73,080
Georgia State U.	138	27,073	28,210	34,075	37,521	42,259	50,122	52,351	71,248	71,650	70,185
Rush U.	139	51,304	57,978	57,512	57,063	53,501	52,193	50,332	51,532	64,178	68,941
U. Houston	140	52,920	59,580	55,812	61,038	58,954	58,458	62,703	60,033	63,801	68,523
Auburn U., Auburn	141	53,971	59,559	55,557	57,253	50,088	48,352	54,751	55,700	58,488	64,333
U. Arkansas for Medical Sciences	142	72,217	75,924	69,883	64,856	55,556	50,603	48,999	51,298	57,523	63,498
U. Nevada, Reno	143	58,115	57,220	55,437	56,900	53,363	51,724	53,371	54,782	62,635	62,903
New Mexico State U.	144	98,399	90,598	90,722	86,806	80,599	78,903	62,292	59,885	54,009	58,022
U. Maryland, Baltimore County	145	59,448	61,172	45,014	44,662	47,538	47,954	50,984	52,014	53,522	56,993
U. Montana, Missoula	146	40,760	38,565	35,984	34,021	30,319	33,718	38,753	44,534	54,708	55,566
Naval Postgraduate School	147	93,605	94,278	127,049	91,134	96,573	78,780	56,045	47,082	44,140	54,358
U. Wyoming	148	45,323	48,932	57,441	53,971	42,280	48,970	63,951	56,410	42,595	52,082
U. Idaho	149	46,303	54,243	55,115	53,986	50,638	50,559	51,295	50,935	51,172	51,529
Cleveland State U.	150	25,024	42,575	46,645	50,243	44,233	41,851	49,925	52,541	55,468	51,475
U. Maine	151	50,163	59,800	39,661	34,252	50,589	35,369	34,277	37,321	45,348	51,049
U. Arkansas, Fayetteville	152	33,674	37,587	34,189	30,625	26,111	34,288	40,642	46,490	52,937	50,875
Rensselaer Polytechnic Institute	153	54,847	59,284	62,341	60,870	59,070	59,528	52,163	51,130	50,120	50,448
U. North Dakota	154	52,504	54,058	54,476	46,491	40,340	37,697	42,425	43,262	51,050	49,700
Colorado School of Mines	155	29,892	33,789	33,481	32,399	34,781	34,266	35,677	37,505	40,161	49,603
U. Texas, Dallas	156	30,754	33,216	35,297	33,920	32,699	31,068	35,451	36,097	40,046	48,466
Augusta U.	157	na	na	na	47,913	47,771	50,585	50,294	48,921	48,800	47,031
U. Southern Mississippi	158	37,054	40,984	37,524	28,694	26,163	25,005	25,482	27,661	31,815	46,924
U. Tennessee, Health Science Center	159	52,652	51,842	48,473	42,269	41,830	39,356	38,374	39,138	39,421	42,396
U. Texas, Arlington	160	31,628	30,659	33,150	30,815	24,857	27,712	26,664	33,111	36,027	41,764
Brandeis U.	161	43,669	48,235	44,532	45,337	47,532	47,841	48,273	46,108	38,632	41,475
Wright State U.	162	24,785	27,422	25,552	26,888	27,838	26,931	30,162	35,533	43,644	41,428
U. Texas, El Paso	163	34,617	35,399	40,024	38,253	35,304	41,897	42,423	44,811	44,352	41,261
Oklahoma State U., Stillwater	164	56,998	81,855	85,876	44,200	36,687	38,585	42,976	44,977	43,421	39,880
San Diego State U.	165	56,504	64,056	56,797	51,274	50,542	46,870	44,495	39,417	39,453	39,515

TABLE 23

Federally financed higher education R&D expenditures, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
SUNY, Polytechnic Institute	166	na	na	na	na	21,208	14,641	21,380	41,252	41,795	38,245
U. Alabama, Tuscaloosa	167	26,364	32,999	33,023	28,375	26,161	28,988	28,425	27,692	30,447	37,916
Syracuse U.	168	33,796	33,850	33,156	27,729	29,404	32,378	36,106	39,781	39,538	37,803
Northern Arizona U.	169	15,070	17,765	16,015	15,638	18,209	20,285	23,442	26,035	29,648	35,980
Florida A&M U.	170	45,856	44,905	42,937	39,675	36,570	36,975	37,363	30,383	32,422	35,362
North Dakota State U.	171	51,883	53,451	46,490	38,453	36,277	35,482	35,590	34,923	35,122	35,322
U. Massachusetts, Lowell	172	25,550	27,960	26,786	27,360	28,654	31,059	27,694	29,471	30,086	35,309
U.S. Air Force Academy	173	49,711	62,118	43,431	45,169	34,669	30,637	46,958	40,062	27,973	35,294
San Jose State U.	174	24,292	26,389	24,153	27,780	32,901	33,782	31,318	31,396	33,886	35,143
Texas Tech U.	175	35,970	35,191	29,969	28,827	33,137	32,987	32,405	31,347	31,357	35,136
Michigan Technological U.	176	27,676	32,724	33,189	32,086	30,588	28,692	29,774	28,483	32,606	34,709
U. Texas, San Antonio	177	28,717	31,972	32,672	29,078	23,066	23,511	25,813	29,947	29,824	34,588
U. Puerto Rico, Medical Sciences Campus	178	29,813	54,381	35,173	31,037	30,197	31,889	33,348	29,869	30,597	34,570
U. Louisiana, Lafayette	179	12,881	14,659	13,848	11,090	10,666	15,799	16,893	23,895	28,874	34,400
Saint Louis U.	180	33,728	38,323	35,873	31,645	30,071	27,580	26,813	27,436	28,121	34,275
CUNY, City C.	181	32,900	40,595	39,572	40,094	40,095	38,434	37,525	35,429	36,866	33,065
Portland State U.	182	36,996	41,580	42,662	40,377	33,523	29,987	32,021	32,727	31,234	33,055
Boston C.	183	33,290	31,953	30,855	27,975	25,115	23,352	27,033	30,448	30,541	32,475
William & Mary	184	27,685	30,361	32,526	31,628	33,320	33,129	34,133	32,760	33,503	31,983
Old Dominion U.	185	34,687	39,534	38,555	39,963	41,270	40,002	39,743	42,412	32,584	31,355
Louisiana State U., Health Sciences Center, New Orleans	186	46,142	45,581	40,637	36,886	34,637	36,027	31,526	28,018	26,988	31,290
Howard U.	187	33,017	36,060	37,690	33,966	32,663	38,820	33,441	34,762	33,602	29,978
South Dakota State U.	188	38,368	41,904	41,975	33,231	29,524	28,670	29,633	28,003	27,129	29,683
Wichita State U.	189	13,751	20,569	19,078	13,434	10,424	7,728	10,442	21,685	18,706	29,634
Texas State U.	190	8,904	10,319	11,950	14,908	14,243	18,289	21,049	25,132	30,314	29,614
Illinois Institute of Technology	191	28,349	34,858	27,767	28,319	25,679	25,826	23,821	26,330	28,265	28,827
U. Tennessee, Knoxville, Institute of Agriculture	192	12,527	15,512	17,786	17,493	15,342	15,320	18,598	27,229	27,378	28,804
U. Nevada, Las Vegas	193	32,441	30,457	25,068	24,502	26,950	27,493	25,613	29,172	33,727	28,381
Stevens Institute of Technology	194	29,370	32,570	27,420	24,812	23,656	25,980	28,999	26,855	26,281	28,342
U. Toledo	195	38,389	44,881	41,072	40,497	34,684	27,085	27,802	24,167	25,323	28,273
Indiana U.-Purdue U., Indianapolis	196	148,672	156,607	166,825	152,578	143,386	18,479	19,954	20,035	22,834	27,349
U. North Texas, Health Science Center	197	25,847	26,132	26,627	24,187	21,943	22,422	27,163	26,368	27,579	27,260
Mercer U.	198	18,778	17,904	19,963	19,411	19,666	21,563	21,120	19,772	18,999	27,035
SUNY, Downstate Medical Center	199	25,023	33,964	34,884	31,972	25,802	20,779	25,941	22,496	26,302	26,914

TABLE 23

Federally financed higher education R&D expenditures, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Lehigh U.	200	23,721	22,390	23,312	24,831	24,271	22,910	21,429	25,228	25,834	26,554
Rochester Institute of Technology	201	23,254	20,396	19,394	18,379	19,465	20,147	26,149	27,311	25,990	26,359
U. North Carolina, Charlotte	202	17,284	15,930	19,230	20,994	19,069	19,132	20,269	20,462	22,386	26,199
U. Massachusetts, Boston	203	24,527	26,958	33,275	24,924	27,715	28,653	30,608	29,934	30,412	25,083
Boise State U.	204	14,614	18,811	20,070	16,117	15,746	18,296	16,953	19,806	24,918	24,493
SUNY, Binghamton U.	205	20,979	21,244	21,162	17,715	14,843	16,171	18,562	20,639	23,392	24,213
Brigham Young U., Provo	206	22,115	24,273	22,069	23,639	24,490	24,250	28,453	26,441	23,892	23,901
North Carolina Agricultural and Technical State U.	207	23,883	22,652	22,477	21,663	23,373	22,413	21,112	24,496	24,874	23,863
Loyola U., Chicago	208	28,995	28,633	28,530	33,074	31,189	28,200	25,363	23,324	21,994	23,562
CUNY, Hunter C.	209	18,498	22,901	24,265	22,512	19,268	19,193	20,037	18,705	21,766	23,485
U. Wisconsin-Milwaukee	210	29,042	30,479	28,862	26,450	25,377	25,587	25,651	23,916	24,612	23,342
Worcester Polytechnic Institute	211	13,582	15,714	12,968	17,003	19,643	26,327	25,976	19,566	18,635	22,964
New Mexico Institute of Mining and Technology	212	42,243	37,316	29,894	23,581	33,245	20,018	17,017	18,358	19,560	22,864
Morehouse School of Medicine	213	25,855	28,128	31,786	34,511	33,020	30,012	28,678	28,792	24,326	22,461
Missouri U. of Science and Technology	214	28,239	27,961	23,731	25,571	21,811	17,632	18,833	19,567	21,835	22,279
SUNY, Upstate Medical U.	215	27,959	28,663	27,013	23,730	21,334	19,213	18,942	19,991	20,391	22,028
U. Denver	216	13,364	14,042	11,779	15,089	14,202	12,048	11,029	11,648	15,713	22,012
Air Force Institute of Technology	217	15,474	20,196	19,579	18,739	16,782	16,727	19,796	25,588	23,393	21,856
Florida Atlantic U.	218	17,268	15,579	17,226	13,555	13,234	11,574	15,356	17,172	18,771	21,667
Catholic U. of America	219	15,878	19,890	17,608	17,310	17,205	19,900	19,928	19,857	20,749	21,642
U. South Alabama	220	14,730	16,758	13,816	13,743	14,353	15,106	17,628	16,627	15,098	19,947
Eastern Virginia Medical School	221	29,291	25,319	24,694	28,728	28,532	28,637	21,459	21,209	21,356	19,408
U. North Carolina, Greensboro	222	19,477	20,868	16,530	13,658	13,489	14,978	17,902	17,354	17,016	18,923
U. Nebraska, central administration	223	ne	ne	ne	ne	ne	ne	ne	ne	13,200	18,523
U. Memphis	224	20,654	20,348	22,142	18,619	21,898	18,825	18,098	18,185	25,166	18,370
Van Andel Research Institute	225	ne	ne	ne	ne	ne	8,138	11,970	13,108	14,285	18,259
Southern Methodist U.	226	13,312	18,502	16,640	14,274	20,611	14,324	15,587	14,464	13,439	17,869
U. Maryland Center for Environmental Science	227	12,123	18,007	16,081	16,852	13,202	14,096	13,957	15,069	15,008	17,476
East Carolina U.	228	16,113	19,675	17,838	18,227	17,409	15,079	13,073	11,526	12,611	17,428
U. North Texas, Denton	229	14,444	14,754	18,043	16,515	16,318	15,470	12,621	15,668	19,026	17,345
California State U., Northridge	230	17,213	19,769	24,837	7,906	11,309	12,060	13,442	14,756	15,892	16,939
Loma Linda U.	231	29,284	32,187	24,884	26,253	19,088	21,082	16,118	15,192	15,790	16,909
U. California, Merced	232	9,392	10,140	11,052	10,983	10,509	12,648	12,206	14,923	14,385	16,850

TABLE 23

Federally financed higher education R&D expenditures, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Desert Research Institute	233	28,307	28,489	27,294	22,814	19,932	16,511	18,883	18,839	17,911	16,745
Meharry Medical C.	234	24,302	26,779	23,467	21,135	17,754	13,068	13,528	15,613	14,515	16,443
Jackson State U.	235	39,457	43,001	39,511	29,700	21,677	19,656	20,854	20,136	17,385	16,259
San Francisco State U.	236	15,601	17,337	17,075	19,024	17,129	14,336	12,804	14,817	14,388	15,675
U. Puerto Rico, Mayaguez	237	12,735	18,568	19,949	14,414	14,162	15,700	14,446	13,604	14,111	15,653
Rutgers, State U. New Jersey, Newark	238	12,631	18,226	20,588	16,295	12,520	12,611	13,737	16,617	17,516	15,397
American U.	239	8,841	9,208	7,515	10,421	9,427	9,449	9,554	8,800	13,013	15,229
Tuskegee U.	240	12,309	12,397	12,633	16,789	14,145	12,267	10,388	10,388	10,388	14,825
Ohio U.	241	18,466	23,051	20,780	20,203	16,597	17,303	14,678	16,393	13,961	14,802
Texas A&M U.-Corpus Christi	242	7,869	7,506	5,446	6,129	7,176	9,491	8,669	10,259	12,815	14,451
Western Michigan U. and Homer Stryker M.D. School of Medicine	243	19,738	18,736	14,378	12,322	11,334	11,869	12,287	10,565	10,828	14,399
U. Missouri, Kansas City	244	16,391	18,988	17,522	15,774	15,178	13,327	13,081	11,296	10,596	14,327
U. Alaska, Anchorage	245	9,368	9,858	10,760	9,686	7,824	8,575	11,867	12,681	13,597	14,219
U. Puerto Rico, Rio Piedras	246	21,717	24,887	25,407	17,946	18,262	18,922	15,892	11,512	10,028	13,943
U. Texas Rio Grande Valley	247	na	na	na	na	na	na	16,892	14,808	13,330	13,629
California State U., Long Beach	248	12,731	12,055	11,379	10,701	7,879	6,198	11,176	13,085	14,021	13,579
North Carolina Central U.	249	6,870	9,496	11,076	8,253	9,757	10,874	10,455	11,977	12,947	13,503
CUNY, Queens C.	250	13,642	15,573	14,897	15,443	16,460	14,080	14,275	11,884	12,390	13,457
Hampton U.	251	14,455	12,292	15,356	12,620	11,153	14,735	14,201	16,249	14,170	13,390
U. South Dakota	252	16,467	14,490	14,088	15,274	12,162	9,214	8,832	11,134	12,523	13,367
Kent State U.	253	14,586	15,085	14,882	11,506	11,181	11,158	10,013	10,524	11,118	13,350
U.S. Naval Academy	254	10,750	10,243	9,322	10,482	10,416	8,978	11,016	12,963	13,331	12,991
Marquette U.	255	9,381	11,291	9,968	8,756	8,191	9,320	10,298	10,111	10,672	12,792
Southern Illinois U., Carbondale	256	22,209	23,696	22,055	18,398	16,288	14,895	14,574	13,421	12,733	12,625
Louisiana State U., Health Sciences Center, Shreveport	257	13,890	15,316	13,504	11,753	8,490	6,321	6,478	7,055	9,235	12,185
Delaware State U.	258	10,154	12,822	11,305	11,837	12,464	12,091	15,260	14,693	13,007	12,179
Rowan U.	259	2,062	2,108	2,349	1,926	4,591	4,674	5,252	7,110	9,602	12,064
U. Hawaii, system office	260	ne	ne	ne	ne	ne	ne	ne	ne	12,328	12,052
Morgan State U.	261	10,039	9,884	15,408	13,357	14,144	12,805	14,343	13,328	11,603	11,952
Albany Medical C.	262	15,758	13,884	11,845	10,278	9,716	9,481	10,714	11,040	10,243	11,827
U. Akron	263	12,107	12,962	16,768	19,658	20,263	14,676	25,433	16,395	12,470	11,796
U. West Florida	264	11,038	13,156	12,858	12,927	11,593	10,935	9,841	10,127	8,634	11,506
Texas Tech U., Health Sciences Center	265	12,950	14,790	13,944	14,820	9,853	10,251	10,384	9,143	7,546	11,345
New York Medical C.	266	21,095	21,013	16,471	13,806	11,421	11,326	10,772	9,000	8,141	11,061

TABLE 23

Federally financed higher education R&D expenditures, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
U.S. Military Academy	267	22,146	13,799	12,227	11,630	14,819	15,312	13,500	13,430	13,393	10,528
U. of the Virgin Islands	268	28,369	16,338	22,605	15,627	14,992	19,456	20,951	10,968	10,852	10,445
Charles R. Drew U. of Medicine and Science	269	20,430	20,679	19,733	17,144	19,412	12,992	12,089	14,461	10,198	10,427
Florida Institute of Technology	270	9,175	7,637	7,500	7,543	8,581	8,315	9,500	8,465	8,511	10,352
Northeast Ohio Medical U.	271	4,009	4,081	3,816	5,244	6,582	7,607	9,181	10,043	9,743	10,107
Illinois State U.	272	5,442	4,586	3,833	3,902	5,213	4,424	5,630	5,355	6,312	9,827
Miami U.	273	13,591	13,210	13,418	12,676	12,048	10,008	9,189	9,093	9,627	9,755
California Polytechnic State U., San Luis Obispo	274	11,637	8,658	10,125	10,280	9,087	9,796	11,276	10,535	9,613	9,720
Marshall U.	275	18,218	21,852	13,154	13,472	12,712	11,154	9,158	9,064	8,584	9,617
Prairie View A&M U.	276	8,623	11,058	10,569	9,077	8,278	7,994	7,952	8,722	8,421	9,346
U. Guam	277	4,962	5,391	5,448	5,554	6,599	5,586	6,621	8,067	8,597	9,339
California State U., Los Angeles	278	7,234	8,426	6,847	7,065	4,923	4,291	3,804	6,612	8,586	9,288
South Dakota School of Mines and Technology	279	25,172	28,105	14,480	7,853	7,078	9,286	10,370	10,639	10,240	9,283
California State U., San Marcos	280	4,106	4,827	5,548	6,271	6,091	4,573	5,273	5,594	7,497	9,134
U. Baltimore	281	1,812	3,288	3,386	2,906	2,947	2,998	3,769	4,289	7,431	9,103
Embry-Riddle Aeronautical U.	282	8,241	11,444	14,048	11,456	13,030	10,049	14,135	10,525	12,661	8,970
Nova Southeastern U.	283	5,718	6,904	6,653	5,379	5,992	5,896	7,381	7,979	7,853	8,965
Tennessee State U.	284	7,414	8,369	10,240	9,872	12,016	11,145	12,291	10,557	10,291	8,962
Rosalind Franklin U. of Medicine and Science	285	8,350	9,317	10,084	11,202	9,754	9,368	8,478	8,828	9,249	8,865
U. Nebraska, Omaha	286	6,014	6,333	5,980	5,693	5,687	6,066	7,180	7,486	7,939	8,807
Xavier U. Louisiana	287	5,669	6,673	7,177	5,856	7,078	7,735	10,503	10,939	10,165	8,679
California State U., San Bernardino	288	3,394	9,953	7,251	6,190	6,414	5,959	6,348	6,565	7,920	8,651
Northern Illinois U.	289	17,334	11,807	12,861	12,415	9,174	9,158	9,957	7,947	8,903	8,610
Clarkson U.	290	9,573	9,531	7,061	5,283	5,476	5,440	6,183	6,819	8,203	8,551
Texas A&M U.-Kingsville	291	7,088	6,280	6,480	7,002	8,678	7,080	7,475	7,869	7,459	8,419
Ponce Health Sciences U.	292	7,569	9,318	10,486	6,249	4,960	6,729	6,951	7,108	6,386	8,339
Alabama A&M U.	293	22,154	22,120	22,086	22,052	22,018	21,982	18,556	15,130	11,704	8,277
Creighton U.	294	11,850	14,140	14,270	13,569	11,690	9,359	10,619	7,946	5,721	8,265
Central Michigan U.	295	2,536	4,841	5,055	5,464	6,187	5,464	5,387	5,557	7,130	8,100
Teachers C., Columbia U.	296	6,533	8,526	10,173	8,494	8,909	12,775	11,635	10,194	8,925	8,054
Norfolk State U.	297	5,413	6,462	7,739	5,523	6,492	5,104	7,230	7,101	6,912	8,046
SUNY, C. of Environmental Science and Forestry	298	8,907	8,732	8,557	8,382	5,564	7,784	8,313	7,730	6,873	7,743

TABLE 23

Federally financed higher education R&D expenditures, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
East Tennessee State U.	299	6,272	7,705	8,052	6,909	5,484	5,135	5,658	5,933	7,168	7,688
Idaho State U.	300	14,645	17,149	16,095	13,206	11,091	11,738	11,926	11,184	10,081	7,547
Alcorn State U.	301	9,256	8,655	8,598	8,321	7,447	6,784	6,387	8,634	7,372	7,540
U. Massachusetts, Dartmouth	302	12,236	13,657	10,979	8,860	8,549	7,321	6,548	7,370	7,156	7,353
U. North Carolina, Wilmington	303	14,364	14,218	11,571	9,133	6,063	5,819	5,966	5,990	5,732	7,174
U. Minnesota, Duluth	304	6,441	8,564	7,597	7,264	5,940	10,025	8,055	6,033	5,520	7,143
U. Maryland, Eastern Shore	305	8,583	8,587	6,965	8,511	8,902	9,284	7,853	7,265	4,890	6,983
Baylor U.	306	2,947	3,704	3,513	3,510	4,062	3,878	4,244	5,265	5,782	6,955
U. Missouri, Saint Louis	307	7,151	10,157	9,650	7,868	5,844	4,369	4,959	5,240	6,364	6,890
CUNY, Advanced Science Research Center	308	na	na	na	na	na	257	ne	2,355	4,027	6,859
Oakland U.	309	7,130	9,178	9,185	7,605	6,885	6,161	6,198	6,418	5,777	6,690
U. Arkansas, Little Rock	310	7,571	8,615	8,104	6,848	5,188	4,259	4,934	4,756	5,764	6,688
Virginia State U.	311	5,552	6,035	6,999	6,212	5,424	4,951	5,204	4,779	5,655	6,636
Langston U.	312	3,313	3,778	3,957	4,153	5,816	5,621	9,178	8,326	i 7,474	i 6,622
Louisiana Tech U.	313	10,806	11,952	9,835	8,881	7,742	5,776	5,455	5,608	5,801	6,564
St. Edward's U.	314	ne	6,899	5,500	5,500	2,250	8,000	7,500	7,989	7,289	6,500
Tennessee Technological U.	315	7,490	6,397	4,674	3,999	3,725	3,578	4,076	4,969	5,390	6,153
Bowling Green State U.	316	4,963	6,164	7,005	9,323	6,576	5,544	6,229	6,395	6,056	5,852
California State U., Sacramento	317	5,829	6,965	5,663	7,546	5,241	5,697	5,619	6,894	6,392	5,801
Chapman U.	318	1,871	1,576	1,733	2,379	2,373	2,790	3,357	3,598	4,057	5,738
Clark Atlanta U.	319	7,229	7,040	8,447	7,576	7,241	7,455	6,048	5,811	5,634	5,689
U. Texas Health Science Center, Tyler	320	ne	ne	ne	ne	ne	3,713	3,757	5,792	5,395	i 5,626
CUNY, Graduate School of Public Health and Health Policy	321	na	na	na	na	na	na	na	na	5,080	5,572
U. New England	322	2,829	3,242	3,359	4,271	4,789	4,862	5,298	5,918	4,976	5,269
Missouri State U.	323	6,071	4,764	3,697	3,132	3,132	3,165	2,675	2,770	3,995	5,076
Naval War C.	324	ne	ne	2,938	i 2,700	i 2,736	i 2,653	3,210	3,797	i 4,384	5,060
CUNY, John Jay C. of Criminal Justice	325	3,418	4,086	3,921	3,546	3,214	3,392	4,625	4,826	5,896	4,971
U. Detroit Mercy	326	633	856	508	ne	317	890	2,565	2,296	4,385	4,936
Montana Technological U.	327	5,321	4,999	3,293	3,507	3,202	3,420	3,916	5,019	4,691	4,926
U. Hawaii, Hilo	328	12,265	7,150	20,726	15,391	8,603	12,772	9,402	5,461	5,264	4,924
Arkansas State U., Jonesboro	329	6,194	8,644	9,645	6,360	3,958	4,347	4,826	4,396	4,371	4,876
Wesleyan U.	330	4,496	5,525	4,726	3,930	3,363	3,612	3,493	3,902	4,353	4,793
Kentucky State U.	331	3,501	3,146	4,924	3,906	4,335	4,590	5,146	5,382	i 5,618	4,692
Tarleton State U.	332	6,379	6,036	5,086	3,525	3,683	3,927	4,495	4,602	4,288	4,632

TABLE 23

Federally financed higher education R&D expenditures, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019							
Fisk U.	333	7,686	4,631	4,058	6,307	i	8,557	9,050	i	9,544	4,327	2,781	4,615					
West Virginia State U.	334	2,759	3,193	3,945	3,316		6,006	5,562		4,126	5,072	5,361	4,592					
Duquesne U.	335	5,904	5,991	5,723	4,343		4,670	5,004		5,809	5,759	5,762	4,552					
Morehouse C.	336	7,857	8,460	i	9,063		9,226	6,919		5,944	4,301	3,667	4,531	4,494				
DePaul U.	337	3,896	4,629		4,827		4,260	5,023		4,622	4,623	5,424	4,532	4,464				
CUNY, Brooklyn C.	338	5,358	7,098		6,578		5,999	6,548		5,771	5,995	5,244	4,280	4,463	i			
Fort Valley State U.	339	4,586	3,452		3,334		3,329	4,249		4,079	4,844	5,068	3,700	4,434				
C. Charleston	340	11,610	5,056		6,277		6,385	5,051		6,200	6,269	5,870	4,376	4,395				
California State U., Bakersfield	341	637	727		641		1,721	1,140		1,875	1,689	2,466	3,243	4,376				
U. New Orleans	342	19,244	19,000		14,521		11,051	9,490		7,492	6,826	5,568	5,258	4,353				
California State U., Fullerton	343	13,651	16,159		12,440		11,716	6,932		4,784	3,815	4,237	4,981	4,340				
U. Arkansas, Pine Bluff	344	3,947	4,696		4,540		4,550	3,875		3,912	4,233	3,747	3,683	4,299				
National Defense U.	345	ne	ne		ne		5,865	7,682		5,542	6,447	6,293	4,276	4,231				
Fordham U.	346	4,132	3,925		4,187		4,874	4,258		3,969	5,979	5,761	4,973	4,218				
Montclair State U.	347	1,876	2,629		3,593		3,410	2,533		2,716	2,649	2,163	3,505	4,164				
U. Tulsa	348	7,126	7,970		6,782		6,279	5,773		6,384	6,426	5,905	4,615	4,142				
Villanova U.	349	6,367	i	6,817	5,518	i	4,218	5,008		4,572	4,334	4,048	3,968	4,085				
U. North Florida	350	4,636		5,082	3,760		1,424	1,177		1,198	1,356	1,435	3,818	4,017				
Seton Hall U.	351	2,206		2,681	1,667		1,694	1,801		1,919	1,975	1,982	3,551	3,982				
Western Washington U.	352	4,594		4,661	3,891		3,789	4,039		4,546	4,701	5,271	4,393	3,978				
Pacific U.	353	845		242	1,767		1,674	1,137		962	1,419	4,058	2,637	3,917				
Florida Gulf Coast U.	354	9,542		10,328	5,146		4,800	4,609		4,501	4,442	3,746	3,164	3,773				
California State U., Monterey Bay	355	3,167		4,713	4,341		4,961	3,862		3,459	3,654	3,574	3,607	3,746				
Sam Houston State U.	356	5,066		3,855	2,717		2,360	2,209		1,491	1,830	1,872	2,200	3,723				
South Carolina State U.	357	6,334		8,630	i	10,926		8,770	i	6,614	i	4,456	4,556	i	14,300	14,938	i	3,659
Wellesley C.	358	3,677		2,496	2,902		3,135	3,579		2,980	5,197	3,815	3,947	3,602				
Southern Illinois U., Edwardsville	359	4,192		4,056	3,172		3,209	2,249		2,175	3,422	3,805	3,209	3,561				
California State Polytechnic U., Pomona	360	2,563		2,978	2,635		2,996			2,165	1,881	2,199	3,231	4,297	3,555			
Clark U.	361	3,243		3,801	3,141		2,848	2,751		2,515	2,002	2,513	2,962	3,495				
MGH Institute of Health Professions	362	ne		408	ne		ne	ne		3,766	2,228	1,839	2,957	3,494				
Western Kentucky U.	363	6,866		6,210	5,712		4,279	3,383		3,450	4,018	3,808	3,162	3,391				
Tougaloo C.	364	2,978		2,753	2,613		2,639	2,285		2,689	2,473	3,030	3,173	3,380				
U. Washington, Bothell	365	446		911	701		825	2,005		2,236	2,863	3,169	2,920	3,353				
CUNY, Lehman C.	366	2,560	i	2,700	2,215		1,874	2,249		2,394	3,625	3,734	4,478	3,342				
Rhode Island C.	367	ne		2,404	9,060		8,976	6,960		7,258	3,928	3,831	3,337	3,332				

TABLE 23

Federally financed higher education R&D expenditures, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
U. of the District of Columbia	368	1,946	2,313	2,430	2,168	1,627	1,434	2,451	2,659	2,021	3,283
Southern U. and A&M C., Baton Rouge	369	5,920	6,057 i	6,194	4,191	3,850	3,258	2,778	2,866	3,431	3,243
Texas Southern U.	370	5,240	4,899	4,924	4,741	3,512	3,458	3,269	3,674	2,839	3,238
New Jersey City U.	371	132	ne	ne	ne	ne	ne	ne	2,048	3,905	3,142
New York Institute of Technology	372	250	494	1,339	2,527	3,504	2,375	1,607	984	1,501	3,135
U. South Florida, Saint Petersburg	373	2,570	2,058	2,799	3,031	2,768	2,650	3,019	3,514	3,194	3,121
U. Colorado Colorado Springs	374	6,699	5,805	3,540	3,407	4,018	4,244	3,976	4,525	4,094	3,072
Southern U. and A&M C., Agricultural Research and Extension Center	375	ne	4,049	5,926	3,481	3,363	2,514	2,415	2,736 i	3,057	3,057
Western U. of Health Sciences	376	885	914	1,300	1,163	1,545	1,206	2,391	2,725	2,755	3,035
CUNY, Graduate Center	377	4,901	3,462	3,191	2,827	2,310	2,106	1,796 i	1,485	2,592	3,009
Dakota State U.	378	ne	402	3,555	831	908	765	1,593	1,989	3,273	3,008
Ball State U.	379	3,988	3,064	3,320	2,440	1,971	2,291	3,253	2,531	3,028	2,929
California State U., Fresno	380	3,424	3,795	3,532	2,682	2,921	3,573	3,539	3,511	3,969	2,900
Smith C.	381	2,843	3,159	2,690	2,853	3,042	3,575	2,634	3,449	3,305	2,892
Youngstown State U.	382	2,067	3,304	2,159	1,834	1,876	2,346	1,083	3,257	3,634	2,878
Barnard C.	383	2,754	3,325	3,194	2,568	2,373	2,384	3,082	2,777	2,491	2,871
Texas Christian U.	384	3,373	3,924	4,998	5,870	5,779	4,732	3,617	4,035	3,198	2,866
U. Washington, Tacoma	385	573	406	1,098	1,104	1,577	2,515	2,682	2,042	2,230	2,808
U. New Haven	386	ne	1,592	2,471	1,400	954 i	507	2,157	548	3,853	2,786
James Madison U.	387	5,563	5,218	6,476	4,617	3,017	2,418	2,203	2,273	1,879	2,717
U. Central del Caribe	388	6,504	6,613	6,304	5,946	6,407	6,147	6,290	4,866	2,937	2,705
Lincoln U., Jefferson City	389	5,984	7,084	6,306	4,989	5,460	5,492	4,953	4,148	2,498	2,700
Lamar U.	390	4,377	4,036	3,072	1,616	1,118	352	611	949	1,380	2,641
Murray State U.	391	2,074	2,471	1,904	816	612	798	564	1,200	1,587	2,639
Pace U.	392	627	952	1,476	1,054	1,212	1,681	2,845	2,423	2,117	2,579
Alabama State U.	393	13,340	12,340	13,607	1,927	2,236	2,303	2,372	2,253	2,434	2,577
U. Southern Maine	394	9,137	7,752	5,490	4,582	3,821 i	3,060 i	2,299	2,252	2,362	2,551
Northwest Indian C.	395	1,943	1,993 i	2,044	2,216	1,705	1,154 i	ne	ne	2,037	2,520
Central State U.	396	2,544	3,528	3,390	2,688	2,000	1,508	1,546	1,491	2,299	2,517
U. San Diego	397	1,352	1,184	1,903	2,066	2,451	1,836	2,152	2,299	2,397	2,511
Kennesaw State U.	398	1,246	1,054	2,214 i	3,374	1,413	2,329	1,925	2,085	2,343	2,499
Purdue U., Northwest	399	na	na	na	na	na	na	na	4,024	3,205	2,493
Northeastern Illinois U.	400	448	311	ne	ne	588	ne	ne	1,403	2,442	2,478
Middle Tennessee State U.	401	2,651	2,669	4,553	2,585	1,564	2,302	3,535	2,513	2,391	2,473

TABLE 23

Federally financed higher education R&D expenditures, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CUNY, C. Staten Island	402	952	1,583	1,470	1,311	1,400	1,222	1,700	1,543	1,982	i 2,421
U. Tennessee, Chattanooga	403	4,866	2,932	3,202	2,056	1,501	1,949	1,092	1,144	1,490	2,393
U. South Carolina, Aiken	404	122	592	ne	937	759	689	1,155	2,697	2,437	2,379
Haverford C.	405	2,715	1,851	1,478	1,547	1,309	1,476	972	1,031	1,665	2,343
U. Northern Iowa	405	1,460	2,294	2,182	2,347	2,094	1,961	2,297	2,154	1,697	2,343
Saginaw Valley State U.	407	77	525	334	203	ne	223	237	621	1,227	2,339
Jacksonville State U.	408	133	265	ne	ne	ne	3,020	3,081	2,938	i 2,794	2,312
Salisbury U.	409	1,823	586	1,256	2,342	3,131	2,727	2,414	2,203	1,805	2,290
Texas Tech U., Health Sciences Center, El Paso	410	ne	ne	ne	ne	5,352	2,893	3,064	2,410	2,532	2,279
Skidmore C.	411	1,872	1,562	1,334	1,448	1,193	969	747	1,194	1,893	2,261
CUNY, system office	412	ne	ne	1,398	1,001	362	828	832	527	1,977	2,241
Gallaudet U.	413	5,522	4,633	4,335	4,500	3,012	2,340	2,135	2,380	2,259	2,190
Fayetteville State U.	414	10,844	10,029	11,187	11,906	10,186	9,243	11,207	2,322	2,445	2,168
Central Washington U.	415	4,038	2,242	1,840	1,263	1,113	1,575	1,580	2,297	1,840	2,159
U. of the Pacific	416	3,135	2,678	2,090	1,676	2,675	1,751	1,991	1,474	2,141	2,158
Towson U.	417	1,806	2,630	1,771	2,015	2,268	2,020	1,616	1,599	2,133	2,144
Eastern Michigan U.	418	9,088	7,916	7,374	2,428	1,031	1,482	1,627	1,474	1,522	2,135
Amherst C.	419	1,102	1,992	1,988	i 1,985	1,543	1,835	1,207	1,228	1,630	2,118
Humboldt State U.	420	3,024	3,292	3,588	2,829	2,504	3,280	4,455	3,796	3,024	2,103
Mount Holyoke C.	421	1,362	2,010	1,827	1,863	2,435	2,327	2,848	3,168	2,210	2,074
Winston-Salem State U.	422	ne	1,179	1,977	841	ne	ne	1,356	1,575	1,629	2,011
Spelman C.	423	2,740	1,833	1,874	1,366	1,185	1,035	1,291	1,227	1,673	2,004
U. Northern Colorado	424	2,082	1,681	1,373	1,024	1,965	1,359	1,962	2,349	2,271	1,966
U. Louisiana, Monroe	425	1,470	1,971	1,752	976	1,705	1,479	2,016	1,838	1,789	1,949
Toyota Technological Institute, Chicago	426	ne	496	ne	ne	ne	1,392	1,410	1,581	1,759	1,934
Bowie State U.	427	ne	1,910	1,739	1,422	1,761	1,497	1,927	1,813	1,839	1,911
Johnson C. Smith U.	428	ne	ne	ne	ne	ne	ne	1,279	1,469	2,003	1,909
Carleton C.	429	1,803	2,332	2,212	3,347	3,157	3,813	3,508	3,366	2,542	1,891
CUNY, New York City C. of Technology	429	81	145	ne	ne	ne	ne	ne	ne	1,978	1,891
Claremont Graduate U.	431	5,888	5,215	8,875	8,452	7,358	i 6,264	i 5,170	i 4,076	i 2,982	i 1,886
Polytechnic U. Puerto Rico	432	ne	193	ne	ne	ne	ne	ne	ne	ne	1,884
California State U., Chico	433	1,502	1,317	1,345	1,682	1,169	854	933	581	1,060	1,864
Texas Woman's U.	433	822	1,173	1,908	1,136	961	722	573	945	1,422	1,864
U. Michigan, Dearborn	435	2,932	4,305	2,992	3,300	2,901	1,844	2,172	1,930	1,448	1,850

TABLE 23

Federally financed higher education R&D expenditures, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Texas A&M International U.	436	1,623	1,195	989	868	977	658	924	1,730	2,008	1,847
U. North Carolina, Asheville	437	1,367	1,770	1,789	1,608	1,176	1,531	2,312	1,851	1,442	1,846
Long Island U.	438	630	681	666	655	ne	ne	852	1,615	1,929	1,839
SUNY, C. of Optometry	439	2,829	3,336	3,162	2,757	2,567	2,490	2,487	2,073	1,944	1,823
New School	440	1,670	2,042	2,385	2,669	1,972	2,300	2,428	2,345	1,857	1,819
Indiana U. Pennsylvania	441	660	833	672	101	169	ne	373	1,309	891	1,810
Hawaii Pacific U.	442	ne	1,261	1,145	850	1,116	789	2,071	1,921	1,905	1,809
U. Oklahoma, Tulsa	443	ne	ne	ne	ne	ne	895	1,104	976	1,605	1,803
Bryn Mawr C.	444	1,301	1,901	1,848	2,514	1,353	1,713	2,556	2,507	2,242	1,801
Bowdoin C.	445	1,815	1,942	3,317	3,244	2,330	2,156	2,457	1,812	2,065	1,790
Georgia Southern U.	446	2,077	1,530	1,359	2,092	3,247	3,004	2,695	2,978	1,805	1,780
Bucknell U.	447	2,745	2,747	1,540	1,590	1,725	1,489	1,436	1,383	1,329	1,764
Western Carolina U.	448	1,296	721	974	664	669	740	873	971	1,038	1,736
Claflin U.	449	3,226	5,103	5,090	2,643	1,711	1,158	1,743	1,344	1,491	1,735
Savannah State U.	450	1,774	2,518	1,874	2,514	2,127	1,796	2,251	1,390	1,778	1,709
Albany C. of Pharmacy and Health Sciences	451	1,380	1,634	1,182	1,333	1,643	1,065	380	566	1,094	1,692
St. John's U., New York	452	1,274	1,263	1,185	872	883	992	940	1,020	1,612	1,666
Grand Valley State U.	453	1,134	1,648	2,162	2,675	2,151	2,033	1,479	1,543	1,719	1,663
Morehead State U.	454	1,528	1,656	1,597	1,816	1,069	1,217	1,797	2,162	1,839	1,651
Harvey Mudd C.	455	2,049	2,594	2,038	2,004	1,457	1,633	2,320	1,521	1,762	1,619
Occidental C.	456	665	904	1,079	1,105	1,365	853	1,260	701	901	1,614
Bates C.	457	971	1,485	1,555	1,390	1,114	2,004	1,156	1,053	1,121	1,607
William Paterson U.	458	105	140	ne	ne	ne	ne	564	476	642	1,592
Franklin and Marshall C.	459	1,857	1,397	1,116	879	889	1,017	955	1,732	1,760	1,582
Alfred U.	460	1,687	2,004	1,648	1,468	1,351	1,434	1,558	917	1,416	1,580
Oberlin C.	461	1,359	1,183	1,330	1,204	1,204	1,364	962	1,558	1,096	1,576
U. Richmond	462	2,138	1,831	2,376	1,979	2,134	2,013	1,924	1,870	1,628	1,575
West Texas A&M U.	463	2,100	1,347	1,802	1,315	1,551	1,860	1,735	1,338	1,329	1,565
Middlebury C.	464	2,245	2,289	2,513	1,856	1,351	1,535	1,736	2,002	1,774	1,558
Touro U.	465	999	1,558	1,390	1,351	1,374	1,332	1,199	1,196	1,410	1,540
Swarthmore C.	466	913	1,029	1,135	1,239	1,292	1,379	1,458	1,451	1,586	1,539
Black Hills State U.	467	2,434	1,172	1,675	2,163	1,720	1,674	2,056	1,448	1,437	1,535
U. Wisconsin-Superior	468	5,197	5,638	5,302	ne	1,949	ne	ne	ne	1,924	1,527
CUNY, York C.	469	ne	1,507	861	693	ne	534	ne	ne	ne	1,511
Western Illinois U.	470	658	746	3,855	1,183	735	373	ne	1,198	1,551	1,495
U. Central Arkansas	471	1,658	1,732	1,989	1,898	1,297	1,300	1,138	1,236	1,262	1,462

TABLE 23

Federally financed higher education R&D expenditures, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
U. Central Oklahoma	472	1,059	1,146	750	765	1,042	3,193	1,409	1,168	1,127	1,457
Winthrop U.	473	ne	3,440	5,243	7,451	7,955	5,802	1,178	1,189	1,419	1,438
U. Houston-Downtown	474	908	1,186	1,828	1,183	1,800	1,571	1,165	1,710	1,836	1,437
Pennsylvania State U., Behrend	475	887	1,029	1,232	1,353	1,610	1,510	2,445	1,670	1,025	1,427
Reed C.	476	796	772	678	897	1,125	1,638	1,690	415	1,065	1,423
Dillard U.	477	7,096	7,211	7,325	7,692	6,889	8,853	7,605	5,592	5,503	1,390
Hope C.	478	2,523	2,414	1,912	1,993	2,000	1,436	1,251	1,169	1,100	1,361
CUNY, Baruch C.	479	1,010	1,150	1,209	735	695	845	1,325	1,027	1,412	1,359
Santa Clara U.	480	3,494	2,019	2,074	1,668	2,039	1,226	1,634	1,468	1,592	1,333
Appalachian State U.	481	1,813	2,586	2,287	1,731	2,198	1,796	1,896	2,630	1,922	1,332
Stephen F. Austin State U.	481	5,530	1,690	1,800	1,836	1,850	2,340	1,808	1,276	1,242	1,332
U. of the Sciences Philadelphia	483	984	1,338	1,287	1,357	987	1,096	1,153	1,102	1,095	1,318
Northern Kentucky U.	484	1,476	1,595	1,483	1,240	1,418	1,342	1,133	1,109	890	1,316
Seattle U.	485	468	622	530	ne	1,348	927	820	862	1,644	1,307
Hofstra U.	486	2,206	2,182	2,660	1,967	2,577	2,119	2,149	1,471	1,275	1,296
Coastal Carolina U.	487	1,533	1,487	1,598	1,714	1,281	1,041	1,052	1,028	1,031	1,294
Christopher Newport U.	488	1,049	1,587	1,230	1,083	1,302	1,041	858	957	1,069	1,285
Fort Lewis C.	489	340	511	ne	ne	ne	ne	ne	ne	ne	1,284
Colorado State U., Pueblo	490	364	354	ne	ne	ne	ne	ne	ne	ne	1,282
U. Wisconsin-Oshkosh	490	832	1,154	1,238	1,012	1,048	1,084	ne	1,160	1,212	1,282
California State U., Dominguez Hills	492	2,658	2,671	2,689	4,235	3,381	2,527	2,215	1,238	1,354	1,261
Salish Kootenai C.	493	475	748	1,415	1,612	1,399	1,186	1,142	1,481	1,739	1,251
U. Nebraska, Kearney	494	289	1,018	716	840	656	515	891	1,047	1,075	1,240
U. Alaska, Southeast	495	1,222	941	1,003	1,113	1,183	1,341	1,502	1,480	1,636	1,235
Benedict C.	496	1,473	2,925	2,713	2,625	2,443	1,373	1,621	1,634	1,889	1,226
SUNY, Buffalo State	497	1,293	1,965	2,348	1,336	1,076	846	859	877	1,057	1,225
SUNY, Geneseo	498	755	1,306	1,532	640	474	663	930	992	998	1,206
Colgate U.	499	1,519	1,058	1,497	1,320	1,153	1,109	1,217	1,096	1,389	1,202
SUNY, C. Plattsburgh	500	1,187	726	454	ne	459	717	545	455	1,254	1,197
Indiana State U.	501	990	1,352	1,268	858	1,005	992	1,189	816	927	1,190
Loyola Marymount U.	502	1,731	2,815	1,222	1,357	1,142	819	707	883	1,040	1,185
Roger Williams U.	503	1,574	2,132	2,166	1,877	2,038	1,696	1,736	2,024	1,052	1,135
Williams C.	504	2,330	2,117	2,029	1,498	1,029	1,700	1,614	1,703	1,458	1,131
Dine C.	505	ne	959	ne	ne	ne	ne	ne	ne	1,238	1,126
Furman U.	506	1,332	1,111	1,164	1,217	891	1,136	1,068	1,292	1,110	1,106

TABLE 23

Federally financed higher education R&D expenditures, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019						
Palmer C. of Chiropractic, Davenport	507	3,009	3,344	2,906	1,991	1,775	i	1,558	1,485	1,189	1,100	1,100					
Rutgers, State U. New Jersey, Camden	508	2,001	1,555	1,545	1,750	1,766		2,215	2,653	2,412	1,567	1,096					
U. Wisconsin-Stevens Point	508	4,456	3,754	i	3,052	2,131	1,740	i	1,349	i	957	992	i	1,036	i	1,096	i
Colby C.	510	1,105	1,028	1,197	1,046	943	1,038	1,137	1,048	1,213	1,093						
Keck Graduate Institute	511	ne	1,744	1,671	1,227	1,302	937	949	i	969	i	1,007	i	1,078	i		
Trinity C., Hartford	512	1,026	1,217	1,432	1,040	1,313	889	893	2,084	794	1,077						
U. of the Incarnate Word	513	ne	217	ne	ne	ne	403	ne	ne	868	1,075						
Grambling State U.	514	993	1,515	1,428	1,116	1,065	1,177	974	4,283	1,806	1,066						
Albany State U.	515	396	893	2,000	1,532	1,271	1,128	1,137	1,026	839	1,065						
Hobart and William Smith Colleges	516	1,118	1,379	1,103	1,896	730	442	ne	528	ne	1,047						
Midwestern U.	517	315	438	427	369	517	654	1,060	1,184	1,278	1,045						
Keene State C.	518	ne	1,884	1,956	i	2,029	2,130	820	ne	837	ne	1,022					
U. Hartford	519	820	1,576	1,505	1,175	1,080	1,089	1,172	1,178	591	1,019						
Oklahoma State U., Center for Health Sciences	520	817	377	83	61	31	321	748	1,055	1,021	985						
U. Illinois, Springfield	521	436	455	602	534	415	307	725	1,533	1,109	980						
Davidson C.	522	1,153	1,053	651	1,619	1,170	1,703	813	1,105	813	973						
Union C., Schenectady	523	1,427	959	867	1,863	1,385	1,080	1,680	554	885	972						
California State U., Stanislaus	524	ne	1,037	1,070	650	341	174	221	478	734	964						
Saint Michael's C.	524	487	471	ne	1,301	1,242	1,153	1,399	1,232	1,255	964						
U. Puerto Rico, Cayey	526	710	1,278	1,515	1,168	1,143	959	1,105	704	632	963						
CUNY, Medgar Evers C.	527	392	1,315	981	1,066	665	686	ne	1,440	1,466	954						
U. Ana G. Mendez, Gurabo	528	691	1,054	1,034	747	1,111	447	437	428	471	951						
Canisius C.	529	154	181	ne	ne	ne	ne	ne	1,459	1,054	943						
Lewis and Clark C.	530	843	684	718	1,490	1,378	872	636	723	848	931						
Doane U.	531	ne	1,008	546	ne	846	390	ne	ne	865	928						
New England C. of Optometry	531	726	1,236	1,685	1,588	533	419	618	ne	837	928						
Calvin U.	533	2,084	560	664	774	1,273	1,034	i	795	880	1,363	925					
Trinity U.	534	1,023	1,046	1,222	2,034	1,544	1,183	973	986	1,187	924						
Pepperdine U.	535	933	299	808	914	1,162	1,058	1,233	1,087	713	914						
Lafayette C.	536	1,223	1,564	1,205	1,166	1,070	1,066	997	1,493	1,133	910						
Vassar C.	537	1,280	1,838	1,258	1,694	1,220	1,133	1,495	1,600	4,185	909						
Chicago State U.	538	1,598	2,014	565	ne	ne	ne	910	ne	1,154	898						
Eastern Washington U.	539	46	559	725	1,226	885	955	1,287	1,193	1,081	864						
Pomona C.	540	1,048	1,779	1,599	2,227	1,789	1,074	1,579	1,038	868	863						

TABLE 23

Federally financed higher education R&D expenditures, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
American Samoa Community C.	541	ne	ne	ne	ne	ne	1,337	793	ne	ne	860
Providence C.	542	857	726	ne	827	ne	1,162	981	783	960	857
Des Moines U.	543	62	91	ne	ne	224	ne	386	878	933	845
Gettysburg C.	544	524	266	ne	ne	ne	ne	ne	597	901	841
Mills C.	545	1,095	753	1,058	1,738	1,672	938	873	1,286	928	840
Texas A&M U.-Commerce	546	1,362	1,557	1,600	1,349	1,234	1,121	876	823	1,159	836
U. Puerto Rico, Humacao	547	1,950 i	1,976	1,949	1,452	1,102	669	ne	ne	882	828
U. Wisconsin-Green Bay	548	778	732 i	686 i	640 i	594 i	545	919	666	546	821
U. Texas, Tyler	549	3,378	1,277	6,535	4,123	4,601	2,570	1,936	708	719	813
Macalester C.	550	1,075	1,517	1,106	876	879	708	771	970	553	805
Southeastern Louisiana U.	551	1,161	911	985	1,039	692	1,429	975	1,215	1,046	803
Southern Connecticut State U.	551	1,459	1,199	1,595	1,176	1,620	1,626	1,324	1,274	823	803
Augustana U.	553	889	1,169	1,007	809	737	671	ne	1,140	1,023	784
U. Wisconsin-La Crosse	554	2,150	2,013 i	1,876	1,240	1,095	1,006	1,250	1,158	1,171	777
Kenyon C.	555	413	358	ne	ne	ne	ne	ne	ne	764	776
Milwaukee School of Engineering	556	1,177	1,181	1,207	1,245	1,500	1,335	1,164	775	680	764
National U. of Natural Medicine	557	ne	247	ne	ne	ne	ne	ne	427	ne	760
Erikson Institute	558	ne	355	1,648	1,187	1,212	1,610	1,719	2,529	1,822	753
Connecticut C.	559	954	1,005	1,130	833	514	756	817	777	505	752
Edward Via C. of Osteopathic Medicine	560	ne	707	502	517	250	89	88	94	195	749
U. Wisconsin-Eau Claire	561	1,320	829	817	655	395	ne	661	955	705	748
Bethune-Cookman U.	562	ne	ne	ne	ne	ne	ne	ne	ne	1,137	735
St. Cloud State U.	563	1,260	622	215	420	797	1,299	643	555	529	733
Claremont McKenna C.	564	1,130	1,083	1,082 i	1,081 i	1,080 i	ne	644	754	555	730
U. Houston-Clear Lake	565	301	818	730	875	739	541	756	753	894	718
West Chester U. Pennsylvania	566	3,614 i	5,845	1,457	561	404	511	454	624	671	715
Minnesota State U., Mankato	567	2,051	852	701	313	317	546	1,260	605	639	708
Whitman C.	568	1,080	957	398	ne	ne	ne	ne	ne	ne	704
Salus U.	569	1,261	1,152	1,086	1,032	1,044	1,198	1,571	1,375	1,190	696
Fort Hays State U.	570	ne	ne	ne	ne	ne	ne	ne	ne	ne	694
Mercyhurst U.	571	854	389	729	674	445	616	612	618 i	ne	668 i
Biola U.	572	ne	ne	ne	ne	ne	ne	564 i	576 i	599 i	641 i
La Sierra U.	573	ne	17	ne	ne	0	45	127	575	623	640
SUNY, C. Brockport	574	521	677	989	755	564	535	639	747	672	638
U. North Georgia	575	ne	ne	ne	ne	ne	ne	ne	671	1,013	637
SUNY, Oswego	576	644	871	ne	673	ne	ne	ne	669	661	628

TABLE 23

Federally financed higher education R&D expenditures, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
California State U., Maritime Academy	577	ne	1,200	1,748	1,257	122	31	71	225	550	617
U. Ana G. Mendez, Cupey	578	1,282	2,013	7,988	7,226	6,452	5,634	4,630	4,881	3,579	608
Eastern Kentucky U.	579	2,638	2,852	2,329	2,078	1,518	1,111	1,029	758	655	598
Fairfield U.	580	2,681	2,780	2,507	2,232	2,051	339	435	1,101	1,222	594
Northwestern State U. Louisiana	581	635	683	609	600	494	ne	490	458	490	579
U. of Mary Washington	582	ne	660	445	ne	ne	425	ne	ne	418	577
U.S. Army War C.	583	ne	ne	ne	ne	ne	ne	ne	ne	ne	567
Stockton U.	584	ne	405	160	ne	380	198	221	ne	246	553
Willamette U.	585	666	650	1,327	822	860	745	1,090	1,028	872	549
Purdue U., Fort Wayne	586	1,797	2,443	1,946	1,901	1,479	1,650	874	812	773	544
Central Connecticut State U.	587	366	684	677	617	506	243	143	231	ne	540
Liberty U.	588	ne	ne	ne	ne	ne	ne	ne	ne	ne	535
Bradley U.	589	512	554	889	899	587	319	969	492	317	515
California State U., Channel Islands	590	ne	451	ne	425	528	825	249	142	284	500
Augsburg U.	591	ne	905	766	567	ne	669	671	641	505	496
U. Massachusetts, central office	592	ne	ne	1,655	2,126	3,468	1,445	1,124	721	643	488
Drake U.	593	456	382	ne	573	ne	ne	1,116	772	699	463
C. Wooster	594	249	512	183	ne	404	386	ne	736	744	456
Alaska Pacific U.	595	283	349	ne	ne	ne	802	671	665	436	451
Oregon Institute of Technology	596	ne	193	ne	ne	ne	270	1,268	752	235	437
A. T. Still U.	597	116	244	1,142	2,040	2,938	2,442	2,041	177	ne	434
Kettering U.	598	4,477	3,452	2,165	1,306	1,173	1,032	1,279	2,105	1,144	402
Yeshiva U.	599	163,399	197,032	201,397	193,831	186,885	180,791	30,266	816	683	380
Saint Joseph's U.	600	1,368	1,087	835	700	468	526	476	239	252	373
Grinnell C.	601	1,161	287	648	372	414	546	340	652	635	364
Niagara U.	602	162	166	275	32	119	117	172	181	334	355
Philadelphia C. of Osteopathic Medicine	603	812	850	694	277	104	192	150	260	260	346
Pittsburg State U.	604	999	1,280	989	791	1,023	453	270	316	195	339
Sul Ross State U.	604	1,595	1,672	1,073	735	546	333	272	440	553	339
U. Wisconsin-Platteville	604	46	50	ne	ne	328	309	ne	349	ne	339
Florida Polytechnic U.	607	na	na	na	na	na	203	ne	ne	ne	338
Marshall B. Ketchum U.	608	ne	ne	ne	ne	48	224	375	368	354	336
Colorado C.	609	473	458	389	376	570	602	358	745	429	324
Dickinson C.	609	602	821	1,029	692	568	517	397	380	ne	324

TABLE 23

Federally financed higher education R&D expenditures, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019				
U. California, Office of the President	611	121	483	1,048	599	248	181	295	288	343	319				
U. of St. Thomas (MN)	612	842	933	767	702	352	ne	195	212	320	313				
Northern Michigan U.	613	287	237	ne	ne	ne	ne	288	304	354	311				
Lawrence Technological U.	614	3,144	2,615	1,108	988	739	976	658	767	479	304				
Wheaton C., Wheaton	615	ne	585	114	ne	178	193	ne	70	50	301				
Austin Peay State U.	616	ne	729	484	364	189	334	325	347	599	295				
Elon U.	617	ne	40	112	161	398	376	423	358	309	284				
Maine Maritime Academy	618	ne	280	i	ne	ne	ne	1,110	1,207	1,370	773	282			
Andrews U.	619	280	77	ne	ne	ne	ne	ne	ne	ne	278				
California Lutheran U.	620	ne	171	ne	ne	ne	ne	ne	ne	ne	256				
St. Olaf C.	621	1,247	843	1,220	955	760	668	849	797	333	255				
Rhode Island School of Design	622	ne	322	ne	ne	ne	252	274	i	269	i	259	i	246	i
Manhattan C.	623	166	245	ne	ne	ne	ne	ne	ne	ne	245				
U. Portland	624	335	307	312	ne	ne	ne	ne	ne	ne	218				
Allegheny C.	625	197	267	ne	ne	ne	ne	355	435	470	217				
U. North Carolina, general administration	626	ne	ne	ne	ne	ne	337	174	161	98	213				
U. San Francisco	627	428	371	1,867	858	738	503	280	405	310	198				
U. Minnesota, Morris	628	245	414	ne	811	262	306	428	294	ne	195				
Memorial Sloan Kettering Cancer Center, Louis V. Gerstner Jr. Graduate S. of Biomedical Sciences	629	ne	106	179	340	523	264	643	206	201	191				
Hamilton C.	630	1,077	1,406	1,400	1,153	918	559	442	135	129	190				
Eastern Connecticut State U.	631	ne	20	ne	ne	6	17	27	19	36	181				
Albion C.	632	ne	113	ne	ne	ne	ne	ne	210	114	180				
Heidelberg U.	633	ne	266	i	ne	349	199	272	294	428	163	164			
Franklin W. Olin C. of Engineering	634	ne	666	1,090	946	1,050	1,103	782	588	472	162				
Emerson C.	635	ne	ne	ne	ne	ne	423	366	469	308	138				
Azusa Pacific U.	636	ne	970	609	i	ne	ne	323	606	334	199	137			
U. Michigan, Flint	637	227	322	ne	ne	ne	ne	ne	219	159	122				
Monmouth U.	638	2,190	1,873	714	ne	635	ne	173	ne	ne	120				
Pennsylvania State U., Harrisburg	639	963	1,302	1,290	701	269	565	270	215	292	80				
Rider U.	640	407	350	490	399	328	292	179	172	138	68				
C. of Saint Benedict	641	ne	0	ne	72	71	53	38	44	47	45	i			
Texas A&M U.-Central Texas	641	ne	ne	ne	ne	ne	ne	ne	ne	192	45				
Roseman U. of Health Sciences	643	ne	0	ne	ne	131	0	0	0	18	17	i			

TABLE 23

Federally financed higher education R&D expenditures, ranked by FY 2019 R&D expenditures: FYs 2010–19

(Dollars in thousands)

Institution	Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Babson C.	644	ne	187	ne	ne	ne	ne	0	0	12	14
All other surveyed institutions	-	832,021	955,144	891,791	819,580	612,290	588,347	599,028	604,214	637,634	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 \$1,666,993 thousand in federally financed R&D expenditures in FY 2019.

^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.

Note(s):

Institutions reporting zero federal expenditures for FY 2019 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.