

TABLE 36

Higher education R&D expenditures at public institutions, ranked by all R&D expenditures, by source of funds: FY 2019

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
All institutions	-	54,645,841	27,348,977	4,078,722	15,029,337	2,993,391	3,242,305	1,953,109
U. Michigan, Ann Arbor	1	1,675,805	886,851	2,706	608,028	98,997	68,758	10,465
U. California, San Francisco	2	1,595,098	671,047	30,392	394,740	103,463	232,094	163,362
U. Washington, Seattle	3	1,425,601	992,643	27,125	117,341	58,211	194,296	35,985
U. California, San Diego	4	1,353,763	698,925	44,786	301,297	86,865	99,338	122,552
U. California, Los Angeles	5	1,306,376	600,714	70,016	285,010	76,217	197,337	77,082
U. Wisconsin-Madison	6	1,297,331	608,925	94,861	415,634	26,518	115,774	35,619
U. North Carolina, Chapel Hill	7	1,153,773	720,613	9,455	293,561	44,962	67,773	17,409
U. Maryland ^a	8	1,096,600	696,880	34,241	279,371	30,775	50,561	4,772
U. Pittsburgh, Pittsburgh	9	1,080,951	677,559	9,702	187,204	25,312	67,014	114,160
U. Minnesota, Twin Cities	10	1,013,112	494,549	79,587	321,652	50,423	40,928	25,973
U. Texas M. D. Anderson Cancer Center	11	969,496	176,156	258,019	214,509	156,237	28,010	136,565
Georgia Institute of Technology	12	960,167	716,207	92,591	70,898	66,782	13,392	297
Texas A&M U., College Station and Health Science Center	13	952,156	359,609	190,465	274,537	41,351	59,798	26,396
Pennsylvania State U., University Park and Hershey Medical Center	14	949,679	600,489	51,658	207,208	32,949	56,184	1,191
Ohio State U.	15	929,250	497,651	62,752	136,923	157,885	49,679	24,360
U. Florida	16	928,639	387,906	162,626	257,870	36,623	47,629	35,985
U. California, Davis	17	804,282	374,707	66,894	206,406	51,284	47,250	57,741
U. California, Berkeley	18	802,931	347,601	35,002	166,865	75,009	128,481	49,973
U. Arizona	19	734,270	327,025	26,071	220,594	22,854	33,423	104,303
Michigan State U.	20	725,708	331,148	48,535	296,991	14,207	19,282	15,545
U. Texas, Austin	21	696,111	407,981	21,573	144,157	75,638	40,388	6,374
U. Illinois, Urbana-Champaign	22	677,523	382,206	25,352	185,282	40,128	24,596	19,959
Indiana U., Bloomington	23	668,157	308,586	4,772	263,300	26,165	64,916	418
Purdue U., West Lafayette	24	663,927	249,831	38,744	242,643	60,411	36,497	35,801
Rutgers, State U. New Jersey, New Brunswick	25	657,249	297,609	77,809	131,158	42,618	50,510	57,545
Arizona State U.	26	639,637	267,087	36,266	233,959	17,112	61,749	23,464
U. Virginia, Charlottesville	27	613,938	276,335	7,277	211,202	25,830	36,059	57,235
U. Alabama, Birmingham	28	607,863	398,403	11,434	106,085	60,048	31,893	0
U. Utah	29	601,133	302,585	6,199	217,878	39,084	31,700	3,687
U. Colorado Denver and Anschutz Medical Campus	30	542,732	353,021	24,979	53,541	50,510	51,586	9,095
Virginia Polytechnic Institute and State U.	31	541,969	209,607	54,131	221,817	43,433	7,097	5,884
North Carolina State U.	32	541,100	228,945	123,196	127,691	55,085	5,749	434
U. Cincinnati	33	529,796	252,892	6,716	137,969	40,435	65,864	25,920

TABLE 36

Higher education R&D expenditures at public institutions, ranked by all R&D expenditures, by source of funds: FY 2019

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
U. Colorado Boulder	34	513,822	412,691	5,171	30,502	9,389	16,767	39,302
U. Iowa	35	508,353	252,563	6,290	207,385	22,153	19,962	0
U. Texas Southwestern Medical Center	36	496,697	203,544	79,363	68,457	31,317	59,096	54,920
U. Georgia	37	477,536	159,948	53,931	225,620	11,610	14,581	11,846
U. California, Irvine	38	448,967	217,094	16,787	119,130	26,292	28,066	41,598
Uniformed Services U. of the Health Sciences	39	417,300	297,808	0	95,062	0	24,430	0
Oregon Health and Science U.	40	415,629	298,227	80	38,139	36,000	42,653	530
SUNY, U. Buffalo	41	413,817	182,983	22,439	134,258	31,802	23,478	18,857
U. Kentucky	42	410,581	192,945	37,544	125,639	11,297	14,018	29,138
Colorado State U., Fort Collins	43	398,477	284,482	18,401	57,160	13,089	17,821	7,524
U. South Florida, Tampa	44	391,325	181,882	12,787	161,641	15,408	15,108	4,499
U. Illinois, Chicago	45	382,949	208,603	7,828	122,535	13,892	22,626	7,465
Washington State U.	46	369,333	158,982	51,397	132,121	13,984	8,309	4,540
Iowa State U.	47	358,474	147,866	43,041	129,709	23,851	10,679	3,328
SUNY, Polytechnic Institute	48	352,889	38,245	189,201	12,963	110,306	1,301	873
U. Kansas	49	352,643	169,694	29,122	107,078	22,073	24,168	508
Florida State U.	50	329,205	149,784	4,635	156,893	2,331	7,687	7,875
U. Nebraska, Lincoln	51	316,820	109,954	55,969	118,095	18,157	4,893	9,752
U. Oklahoma, Norman and Health Science Center	52	302,679	164,855	35,137	74,505	14,954	9,041	4,187
Louisiana State U., Baton Rouge	53	296,497	88,721	67,140	107,220	12,178	12,570	8,668
Medical U. South Carolina	54	295,600	153,226	4,779	94,830	19,855	12,380	10,530
U. Connecticut	55	285,764	159,220	7,609	85,183	11,802	15,753	6,197
Temple U.	56	284,301	161,673	6,508	72,826	17,849	18,392	7,053
Utah State U.	57	283,917	220,504	23,310	24,814	7,063	630	7,596
U. Massachusetts, Medical School	58	281,507	197,388	477	43,238	16,386	16,933	7,085
U. Hawaii, Manoa	59	280,416	167,816	20,016	76,455	1,846	12,675	1,608
U. Missouri, Columbia	60	278,793	123,252	6,296	126,833	6,551	7,785	8,076
U. Texas Health Science Center, Houston	61	271,525	132,647	38,516	43,586	20,549	22,721	13,506
Mississippi State U.	62	264,526	104,738	77,562	68,709	3,882	8,220	1,415
Oregon State U.	63	263,830	168,571	47,392	26,530	5,833	2,564	12,940
SUNY, Stony Brook U.	64	260,813	144,618	12,674	85,067	5,739	9,305	3,410
Virginia Commonwealth U.	65	255,648	142,293	27,123	60,805	9,959	15,468	0
U. Tennessee, Knoxville	66	247,693	123,434	14,104	98,238	6,142	2,731	3,044
Wayne State U.	67	244,217	118,043	10,568	81,510	6,995	22,182	4,919

TABLE 36

Higher education R&D expenditures at public institutions, ranked by all R&D expenditures, by source of funds: FY 2019

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
U. California, Santa Barbara	68	243,778	118,517	4,592	49,052	19,264	32,192	20,161
U. New Mexico	69	239,696	159,940	5,610	58,200	2,115	12,230	1,601
Auburn U., Auburn	70	231,619	64,333	31,171	117,941	6,232	1,413	10,529
Florida International U.	71	225,864	96,912	14,884	102,581	1,652	8,509	1,326
U. Central Florida	72	225,085	99,310	11,312	86,353	11,438	6,768	9,904
U. Massachusetts, Amherst	73	223,177	117,359	12,409	70,889	10,026	8,986	3,508
Clemson U.	74	218,760	81,080	24,259	87,791	18,812	6,643	175
Kansas State U.	75	218,622	81,269	37,702	82,673	7,099	7,783	2,096
U. Delaware	76	206,270	133,020	12,379	45,490	5,944	4,556	4,881
U. South Carolina, Columbia	77	205,940	102,992	3,097	79,622	5,411	9,752	5,066
Georgia State U.	78	195,572	70,185	12,443	99,468	603	12,367	506
U. Houston	79	195,398	68,523	38,963	65,710	8,597	11,270	2,335
U. Nebraska, Medical Center	80	194,455	102,604	12,284	37,891	9,896	15,706	16,074
Texas Tech U.	81	193,923	35,136	23,788	104,700	16,210	13,963	126
U. Texas Health Science Center, San Antonio	82	188,483	96,502	20,807	42,551	8,499	19,715	409
West Virginia U.	83	187,512	82,353	8,972	69,819	5,808	4,779	15,781
George Mason U.	84	186,267	96,307	3,370	41,291	8,900	35,852	547
Oklahoma State U., Stillwater	85	184,276	39,880	23,288	107,127	13,185	698	98
SUNY, U. Albany	86	181,531	92,709	8,784	65,357	708	1,990	11,983
U. Arkansas, Fayetteville	87	180,225	50,875	53,643	61,913	7,274	6,123	397
U. California, Riverside	88	177,655	81,151	9,195	52,805	8,305	8,609	17,590
U. Texas Medical Branch	89	175,372	107,806	5,054	46,065	4,639	11,808	0
U. Louisville	90	173,462	87,563	8,114	48,834	7,475	7,880	13,596
New Jersey Institute of Technology	91	161,232	89,846	3,268	55,507	2,511	5,099	5,001
U. Mississippi	92	158,809	73,865	3,579	73,478	2,602	3,712	1,573
Montana State U., Bozeman	93	154,811	88,955	17,738	39,627	1,974	4,251	2,266
U. Arkansas for Medical Sciences	94	153,135	63,498	8,991	62,472	6,877	2,756	8,541
North Dakota State U.	95	152,381	35,322	48,566	58,902	2,166	1,444	5,981
U. Nevada, Reno	96	152,128	62,903	9,753	70,376	2,556	2,177	4,363
U. New Hampshire	97	148,980	90,241	4,648	38,163	8,680	6,422	826
U. Alaska, Fairbanks	98	144,457	92,964	2,874	39,572	3,333	1,753	3,961
U. Louisiana, Lafayette	99	144,187	34,400	17,869	31,636	48,344	11,938	0
U. California, Santa Cruz	100	142,958	74,669	6,280	31,144	5,452	14,838	10,575
U. Vermont	101	135,859	90,405	659	31,729	3,210	8,841	1,015

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Institution	Rank	All R&D expenditures	Source of funds					
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U. Maine	102	129,913	51,049	19,299	48,644	4,334	4,452	2,135
Wichita State U.	103	128,795	29,634	7,926	8,712	82,008	507	8
U. Texas, Dallas	104	126,661	48,466	12,133	38,469	4,762	22,831	0
U. Texas, Arlington	105	123,207	41,764	16,970	51,329	5,018	6,057	2,069
U. Rhode Island	106	115,160	73,080	10,878	25,849	4,268	427	658
U. Idaho	107	113,107	51,529	37,467	18,274	1,822	1,291	2,724
U. North Dakota	108	110,836	49,700	11,135	38,998	10,391	609	3
U. Oregon	109	110,664	80,083	786	22,044	295	6,505	951
U. Alabama, Huntsville	110	109,744	85,211	1,378	21,663	1,069	301	122
U. Texas, El Paso	111	106,809	41,261	17,507	33,594	872	4,587	8,988
U. Montana, Missoula	112	104,665	55,566	1,283	41,293	350	2,250	3,923
SUNY, Binghamton U.	113	104,297	24,213	6,085	68,519	3,508	1,243	729
New Mexico State U.	114	101,457	58,022	20,496	12,922	1,022	3,569	5,426
U. Nevada, Las Vegas	115	99,445	28,381	2,494	63,995	1,465	805	2,305
U. Tennessee, Health Science Center	116	96,979	42,396	4,185	23,971	3,245	12,094	11,088
Augusta U.	117	96,502	47,031	1,809	38,530	3,081	5,525	526
San Diego State U.	118	92,964	39,515	1,911	47,338	808	1,631	1,761
U. Texas, San Antonio	119	84,326	34,588	12,247	27,509	5,393	2,408	2,181
U. Massachusetts, Lowell	120	83,996	35,309	6,390	36,658	3,460	1,095	1,084
U. Alabama, Tuscaloosa	121	83,317	37,916	9,791	30,801	2,799	977	1,033
U. Maryland, Baltimore County	122	80,632	56,993	6,927	13,297	1,084	1,770	561
Michigan Technological U.	123	80,443	34,709	728	36,574	7,155	247	1,030
U. Wyoming	124	80,353	52,082	4,594	17,939	3,619	1,599	520
Cleveland State U.	125	80,077	51,475	2,810	18,823	2,451	4,260	258
U. North Texas, Denton	126	78,691	17,345	2,735	53,843	1,807	1,087	1,874
U. Southern Mississippi	127	76,464	46,924	11,882	10,344	6,073	1,144	97
U. Tennessee, Knoxville, Institute of Agriculture	128	71,396	28,804	893	35,641	2,816	1,193	2,049
Colorado School of Mines	129	70,397	49,603	2,540	4,343	10,556	1,273	2,082
U. California, Office of the President	130	67,702	319	38,703	28,574	0	80	26
Indiana U.-Purdue U., Indianapolis	131	67,635	27,349	976	30,077	3,479	5,652	102
Old Dominion U.	132	67,425	31,355	10,109	21,337	1,430	2,675	519
Naval Postgraduate School	133	67,323	54,358	0	12,007	522	48	388
South Dakota State U.	134	66,794	29,683	15,663	4,511	1,955	4,442	10,540
William & Mary	135	64,835	31,983	3,091	22,422	1,119	4,152	2,068

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(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
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Texas State U.	136	64,554	29,614	4,871	25,361	725	3,983	0
Wright State U.	137	64,208	41,428	10,917	9,377	1,303	1,108	75
U. Massachusetts, Boston	138	62,018	25,083	2,369	28,163	1,675	4,108	620
Northern Arizona U.	139	58,914	35,980	7,776	13,052	552	1,434	120
U. Memphis	140	58,700	18,370	7,117	29,849	1,317	1,541	506
U. Maryland Center for Environmental Science	141	56,033	17,476	25,840	10,418	940	1,267	92
East Carolina U.	142	55,611	17,428	516	28,806	4,076	4,714	71
U. Toledo	143	55,006	28,273	928	19,875	3,453	2,470	7
U. Wisconsin-Milwaukee	144	53,773	23,342	17,335	6,836	3,508	1,071	1,681
Ohio U.	145	53,735	14,802	3,942	27,950	4,497	2,411	133
CUNY, City C.	146	52,738	33,065	7,584	10,094	490	1,033	472
U. South Alabama	147	52,540	19,947	150	28,990	1,060	206	2,187
U. Texas Rio Grande Valley	148	52,016	13,629	6,309	27,496	218	3,996	368
Florida Atlantic U.	149	51,085	21,667	4,017	16,253	1,981	5,037	2,130
U. North Texas, Health Science Center	150	50,124	27,260	11,355	8,142	1,872	1,492	3
Portland State U.	151	50,045	33,055	4,913	7,713	1,156	2,620	588
Kent State U.	152	47,188	13,350	547	31,215	518	1,418	140
U. North Carolina, Charlotte	153	47,187	26,199	962	15,946	2,877	941	262
U. Puerto Rico, Medical Sciences Campus	154	45,014	34,570	849	5,476	4,091	0	28
U. California, Merced	155	44,890	16,850	3,137	20,887	474	1,937	1,605
San Jose State U.	156	44,309	35,143	2,202	3,106	746	1,111	2,001
Texas Tech U., Health Sciences Center	157	44,072	11,345	17,778	8,854	433	1,963	3,699
U.S. Air Force Academy	158	43,941	35,294	0	7,814	833	0	0
Florida A&M U.	159	42,470	35,362	1,647	4,651	543	267	0
U. West Florida	160	41,977	11,506	2,076	27,090	670	531	104
Missouri U. of Science and Technology	161	41,939	22,279	442	11,958	4,481	820	1,959
Southern Illinois U., Carbondale	162	41,729	12,625	604	20,494	7,394	612	0
Louisiana State U., Health Sciences Center, New Orleans	163	40,914	31,290	253	3,522	2,222	3,227	400
Boise State U.	164	39,824	24,493	2,347	12,116	254	530	84
SUNY, Upstate Medical U.	165	38,091	22,028	2,302	7,531	2,380	2,039	1,811
CUNY, Hunter C.	166	37,478	23,485	2,788	10,063	203	541	398
North Carolina Agricultural and Technical State U.	167	37,339	23,863	347	12,615	208	208	98
SUNY, Downstate Medical Center	168	36,015	26,914	21	7,150	469	1,096	365
Air Force Institute of Technology	169	34,016	21,856	0	12,037	73	50	0

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Texas A&M U.-Corpus Christi	170	32,944	14,451	8,481	3,981	479	2,548	3,004
U. South Dakota	171	32,028	13,367	1,843	15,676	48	1,094	0
San Francisco State U.	172	31,888	15,675	2,171	12,800	65	1,162	15
California Polytechnic State U., San Luis Obispo	173	30,923	9,720	2,682	14,717	1,485	2,319	0
Kennesaw State U.	174	30,381	2,499	107	26,300	840	598	37
U. Akron	175	30,020	11,796	4,604	7,713	3,781	1,330	796
SUNY, C. of Environmental Science and Forestry	176	29,137	7,743	13,726	6,552	469	542	105
U. Massachusetts, Dartmouth	177	28,036	7,353	1,603	17,421	1,140	287	232
U. Minnesota, Duluth	178	27,530	7,143	6,735	12,443	1,025	77	107
Illinois State U.	179	27,082	9,827	514	15,525	456	749	11
Eastern Virginia Medical School	180	27,064	19,408	458	4,286	1,226	1,686	0
Desert Research Institute	181	26,991	16,745	2,765	3,896	258	2,565	762
U. Puerto Rico, Mayaguez	182	26,877	15,653	517	9,252	993	417	45
U. Missouri, Kansas City	183	26,708	14,327	0	10,162	364	733	1,122
Rutgers, State U. New Jersey, Newark	184	26,661	15,397	1,361	6,607	548	1,739	1,009
Northern Illinois U.	185	26,570	8,610	1,167	16,077	337	255	124
U. North Carolina, Greensboro	186	26,325	18,923	268	5,804	194	149	987
Louisiana State U., Health Sciences Center, Shreveport	187	26,262	12,185	132	9,841	524	3,580	0
Louisiana Tech U.	188	26,143	6,564	2,525	14,848	890	0	1,316
Western Michigan U. and Homer Stryker M.D. School of Medicine	189	25,071	14,399	464	6,320	1,685	623	1,580
New Mexico Institute of Mining and Technology	190	24,616	22,864	226	311	923	215	77
U. Puerto Rico, Rio Piedras	191	24,088	13,943	84	9,791	117	110	43
California State U., Sacramento	192	23,544	5,801	10,720	5,746	386	888	3
Delaware State U.	193	23,017	12,179	498	10,315	25	0	0
Rowan U.	194	22,892	12,064	4,615	3,477	1,200	1,536	0
Miami U.	195	22,380	9,755	1,877	9,085	1,155	438	70
Texas A&M U.-Kingsville	196	22,268	8,419	4,190	3,985	451	5,223	0
U. Alaska, Anchorage	197	21,724	14,219	1,980	4,001	465	624	435
California State U., Northridge	198	21,095	16,939	1,606	1,863	49	587	51
Marshall U.	199	19,622	9,617	2,025	6,107	413	1,460	0
U. Nebraska, central administration	200	18,860	18,523	0	146	191	0	0
California State U., Long Beach	201	18,664	13,579	1,114	1,457	678	465	1,371
CUNY, Queens C.	202	18,391	13,457	975	3,403	16	535	5
Jackson State U.	203	18,160	16,259	0	1,438	0	347	116

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Southern Illinois U., Edwardsville	204	18,088	3,561	147	12,944	1,121	260	55
Prairie View A&M U.	205	18,018	9,346	4,886	3,454	221	111	0
Northeast Ohio Medical U.	206	18,016	10,107	132	5,288	0	2,489	0
Oakland U.	207	18,002	6,690	1,544	7,410	939	1,419	0
U. North Carolina, Wilmington	208	17,515	7,174	6,472	2,444	964	396	65
Central Michigan U.	209	17,102	8,100	77	7,798	43	806	278
Bowling Green State U.	210	17,026	5,852	1,443	9,126	37	461	107
U. Texas Health Science Center, Tyler	211	16,538	5,626	2,226	5,640	725	2,320	1
North Carolina Central U.	212	16,227	13,503	233	NA	262	980	1,249
California State U., San Bernardino	213	16,062	8,651	4,458	2,903	30	20	0
U. New Orleans	214	15,328	4,353	1,048	7,869	522	864	672
Tennessee State U.	215	15,236	8,962	752	5,443	66	13	0
Humboldt State U.	216	15,076	2,103	5,377	3,410	313	1,899	1,974
Idaho State U.	217	14,972	7,547	1,177	5,007	818	200	223
Alcorn State U.	218	14,435	7,540	4,725	2,133	37	0	0
U. Nebraska, Omaha	219	14,302	8,807	1,730	2,842	109	738	76
East Tennessee State U.	220	14,197	7,688	112	2,547	641	2,925	284
Tennessee Technological U.	221	13,801	6,153	4,544	2,751	69	170	114
U. Missouri, Saint Louis	222	13,697	6,890	94	4,746	43	1,213	711
U.S. Naval Academy	223	13,621	12,991	0	275	0	355	0
Morgan State U.	224	13,253	11,952	336	507	278	58	122
Tarleton State U.	225	13,171	4,632	2,946	5,383	96	79	35
South Dakota School of Mines and Technology	226	12,973	9,283	1,101	1,638	680	229	42
Alabama A&M U.	227	12,840	8,277	4,405	19	139	0	0
Montana Technological U.	228	12,731	4,926	5,736	1,548	511	0	10
California State U., Los Angeles	229	12,476	9,288	103	2,624	0	461	0
U. Baltimore	230	12,451	9,103	1,985	NA	34	937	392
U. North Florida	231	12,341	4,017	1,693	6,457	76	86	12
CUNY, John Jay C. of Criminal Justice	232	12,295	4,971	808	2,240	2,421	512	1,343
U. Guam	233	12,249	9,339	1,742	1,146	3	19	0
U. of the Virgin Islands	234	12,236	10,445	359	1,385	47	0	0
U. Hawaii, system office	235	12,159	12,052	0	107	0	0	0
Ball State U.	236	12,145	2,929	758	7,734	391	333	0
Western Washington U.	237	11,983	3,978	702	5,916	238	1,129	20

TABLE 36

Higher education R&D expenditures at public institutions, ranked by all R&D expenditures, by source of funds: FY 2019

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Texas Tech U., Health Sciences Center, El Paso	238	11,883	2,279	2,544	6,306	363	335	56
U. South Florida, Saint Petersburg	239	11,686	3,121	2,480	5,766	28	273	18
Virginia State U.	240	11,457	6,636	1,527	2,262	71	954	7
Georgia Southern U.	241	11,166	1,780	265	4,610	4,511	0	0
U.S. Military Academy	242	10,765	10,528	0	0	237	0	0
Langston U.	243	10,719	6,622	0	3,856	241	0	0
California State U., San Marcos	244	10,595	9,134	1,394	48	0	19	0
Montclair State U.	245	10,225	4,164	331	904	117	4,604	105
William Paterson U.	246	10,122	1,592	0	8,476	1	53	0
U. Arkansas, Little Rock	247	9,975	6,688	673	2,089	162	363	0
CUNY, Graduate School of Public Health and Health Policy	248	9,521	5,572	1,190	1,518	328	913	0
Rhode Island C.	249	9,480	3,332	5,573	107	1	467	0
Sam Houston State U.	250	9,445	3,723	183	5,310	53	115	61
Salisbury U.	251	9,368	2,290	3,477	3,475	7	119	0
Western Kentucky U.	252	9,281	3,391	378	5,202	184	85	41
U. Tennessee, Chattanooga	253	9,280	2,393	1,195	4,945	217	354	176
U. Arkansas, Pine Bluff	254	9,024	4,299	2,103	2,562	0	60	0
Arkansas State U., Jonesboro	255	8,945	4,876	3,010	781	209	6	63
U. Michigan, Dearborn	256	8,813	1,850	2	3,871	2,871	179	40
James Madison U.	257	8,726	2,717	59	5,170	221	490	69
California State U., Fresno	258	8,599	2,900	2,612	2,486	195	341	65
Kentucky State U.	259	8,433	4,692	3,626	10	72	33	0
CUNY, Advanced Science Research Center	260	8,310	6,859	17	706	288	141	299
Indiana U. Pennsylvania	261	8,119	1,810	321	5,515	9	464	0
Norfolk State U.	262	8,050	8,046	0	4	0	0	0
U. Washington, Bothell	263	7,950	3,353	111	915	184	3,366	21
Middle Tennessee State U.	264	7,673	2,473	474	3,955	237	113	421
C. Charleston	265	7,610	4,395	249	2,298	4	638	26
California State U., Bakersfield	266	7,591	4,376	90	2,753	60	0	312
Eastern Michigan U.	267	7,175	2,135	36	4,654	91	245	14
California State U., Fullerton	268	7,173	4,340	298	1,872	198	465	0
U. Maryland, Eastern Shore	269	7,133	6,983	109	0	41	0	0
CUNY, Brooklyn C.	270	7,064	4,463	109	1,879	41	501	71
U. Hawaii, Hilo	271	6,864	4,924	281	1,035	121	440	63

TABLE 36

Higher education R&D expenditures at public institutions, ranked by all R&D expenditures, by source of funds: FY 2019

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
West Chester U. Pennsylvania	272	6,777	715	27	5,522	25	376	112
U. Southern Maine	273	6,654	2,551	3,839	161	0	88	15
Grand Valley State U.	274	6,592	1,663	190	3,423	39	877	400
California State U., Monterey Bay	275	6,444	3,746	1,397	849	42	410	0
U. Oklahoma, Tulsa	276	6,373	1,803	240	2,649	209	1,084	388
California State Polytechnic U., Pomona	277	6,099	3,555	994	1,094	447	9	0
Texas A&M International U.	278	6,068	1,847	1,077	1,555	54	1,498	37
New Jersey City U.	279	5,961	3,142	1,421	1,238	10	140	10
Missouri State U.	280	5,910	5,076	90	567	140	37	0
Florida Gulf Coast U.	281	5,907	3,773	877	103	24	1,130	0
West Virginia State U.	282	5,829	4,592	886	318	33	0	0
U. Central Oklahoma	283	5,682	1,457	607	3,546	69	3	0
Southern U. and A&M C., Agricultural Research and Extension Center	284	5,448	3,057	2,323	68	0	0	0
West Texas A&M U.	285	5,437	1,565	1,587	1,197	963	62	63
Oklahoma State U., Center for Health Sciences	286	5,408	985	135	4,159	129	0	0
CUNY, Graduate Center	287	5,399	3,009	152	70	0	1,077	1,091
Purdue U., Northwest	288	5,272	2,493	609	1,311	640	137	82
Naval War C.	289	5,060	5,060	0	0	0	0	0
U. Massachusetts, central office	290	4,916	488	3,226	240	323	578	61
Texas Southern U.	291	4,893	3,238	922	662	36	35	0
Lamar U.	292	4,848	2,641	902	695	131	333	146
U. of the District of Columbia	293	4,800	3,283	62	1,455	0	0	0
Oregon Institute of Technology	294	4,793	437	2,585	488	1,126	157	0
U. Colorado Colorado Springs	295	4,720	3,072	682	424	471	71	0
Fayetteville State U.	296	4,695	2,168	476	1,793	168	90	0
CUNY, Lehman C.	297	4,690	3,342	0	787	0	0	561
Southern Connecticut State U.	298	4,627	803	160	3,471	6	108	79
U. North Carolina, Asheville	299	4,602	1,846	203	418	13	2,122	0
Lincoln U., Jefferson City	300	4,581	2,700	1,881	NA	0	0	0
U. Northern Colorado	301	4,571	1,966	235	1,940	14	416	0
Fort Valley State U.	302	4,563	4,434	0	129	0	0	0
Southern U. and A&M C., Baton Rouge	303	4,492	3,243	290	704	255	0	0
Texas Woman's U.	304	4,477	1,864	559	1,321	126	607	0
Youngstown State U.	305	4,447	2,878	665	798	34	71	1

TABLE 36

Higher education R&D expenditures at public institutions, ranked by all R&D expenditures, by source of funds: FY 2019

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
National Defense U.	306	4,231	4,231	0	0	0	0	0
U. North Carolina, general administration	307	4,154	213	3,941	0	0	0	0
CUNY, C. Staten Island	308	3,986	2,421	680	408	175	64	238
Central State U.	309	3,766	2,517	1,249	0	0	0	0
Dakota State U.	310	3,710	3,008	129	538	33	2	0
Murray State U.	310	3,710	2,639	22	982	67	0	0
Stephen F. Austin State U.	312	3,679	1,332	1,430	543	21	184	169
South Carolina State U.	313	3,659	3,659	NA	NA	NA	NA	NA
U. Northern Iowa	314	3,628	2,343	301	808	135	41	0
U. Central Arkansas	315	3,477	1,462	359	1,484	30	142	0
U. Washington, Tacoma	316	3,471	2,808	452	184	0	26	1
U. Wisconsin-Stevens Point	317	3,464 i	1,096 i	960 i	1,111 i	71 i	153 i	73 i
Towson U.	318	3,423	2,144	19	851	75	303	31
Pennsylvania State U., Behrend	319	3,414	1,427	75	1,092	515	305	0
Texas A&M U.-Commerce	320	3,403	836	296	1,756	31	184	300
Minnesota State U., Mankato	321	3,392	708	179	1,339	0	951	215
St. Cloud State U.	322	3,275	733	159	1,180	743	460	0
Appalachian State U.	323	3,268	1,332	337	657	580	357	5
California State U., Chico	324	3,232	1,864	523	456	36	100	253
Central Washington U.	325	3,223	2,159	322	460	21	115	146
Rutgers, State U. New Jersey, Camden	326	3,211	1,096	86	1,370	120	537	2
Colorado State U., Pueblo	327	3,107	1,282	1,725	89	0	0	11
SUNY, C. of Optometry	328	2,968	1,823	0	350	711	84	0
California State U., Maritime Academy	329	2,959	617	155	71	2,116	0	0
U. Nebraska, Kearney	330	2,919	1,240	695	891	45	14	34
Grambling State U.	331	2,836	1,066	670	1,100	0	0	0
Saginaw Valley State U.	332	2,818	2,339	19	271	1	159	29
Pennsylvania State U., Harrisburg	333	2,805	80	596	1,525	188	416	0
CUNY, New York City C. of Technology	334	2,711	1,891	5	256	554	5	0
U. Wisconsin-La Crosse	335	2,692	777	700	469	518	199	29
Northwest Indian C.	336	2,659	2,520	0	24	0	115	0
Stockton U.	337	2,634	553	1,787	289	0	5	0
Western Carolina U.	338	2,633	1,736	154	477	113	153	0
CUNY, system office	339	2,619	2,241	23	109	0	131	115

TABLE 36

Higher education R&D expenditures at public institutions, ranked by all R&D expenditures, by source of funds: FY 2019

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Alabama State U.	340	2,577	2,577	0	0	0	0	0
Pittsburg State U.	341	2,513	339	976	NA	1,025	173	0
U. South Carolina, Aiken	342	2,481	2,379	0	99	0	3	0
Northeastern Illinois U.	343	2,478	2,478	0	0	0	0	0
Jacksonville State U.	344	2,429	2,312	0	100	17	0	0
Purdue U., Fort Wayne	345	2,416	544	423	879	135	144	291
CUNY, Baruch C.	346	2,387	1,359	98	570	0	330	30
Western Illinois U.	347	2,373	1,495	182	344	94	0	258
U. Louisiana, Monroe	348	2,364	1,949	179	94	2	140	0
Northern Kentucky U.	349	2,363	1,316	105	769	33	140	0
Sul Ross State U.	350	2,352	339	160	593	52	622	586
Austin Peay State U.	351	2,285	295	1,295	486	196	0	13
U. Wisconsin-Superior	352	2,250	1,527	125	510	39	2	47
U. Houston-Downtown	353	2,216	1,437	99	368	0	312	0
Winthrop U.	354	2,189	1,438	99	477	7	168	0
SUNY, Geneseo	355	2,139	1,206	15	903	0	15	0
SUNY, Buffalo State	356	2,124	1,225	435	209	37	209	9
U. Wisconsin-Green Bay	357	2,083	821	502	640	41	77	2
U. North Georgia	358	2,068	637	29	861	1	540	0
U. Texas, Tyler	359	2,063	813	295	541	247	73	94
Northwestern State U. Louisiana	360	2,058	579	1,235	244	0	0	0
Coastal Carolina U.	361	2,042	1,294	177	42	1	517	11
Black Hills State U.	362	2,031	1,535	147	349	0	0	0
Morehead State U.	363	2,028	1,651	50	317	0	10	0
Eastern Washington U.	364	2,024	864	906	NA	123	84	47
Winston-Salem State U.	365	2,011	2,011	0	NA	0	0	0
Florida Polytechnic U.	366	2,006	338	1,289	369	2	1	7
Southeastern Louisiana U.	367	1,971	803	174	782	12	168	32
Christopher Newport U.	368	1,961	1,285	43	265	111	90	167
California State U., Dominguez Hills	369	1,957	1,261	27	653	7	0	9
Bowie State U.	370	1,911	1,911	0	0	0	0	0
U. Illinois, Springfield	371	1,876	980	44	774	4	74	0
U. South Florida, Sarasota-Manatee	372	1,872	0	0	1,859	0	12	1
U. Puerto Rico, Cayey	373	1,870	963	0	722	0	185	0

TABLE 36

Higher education R&D expenditures at public institutions, ranked by all R&D expenditures, by source of funds: FY 2019

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
SUNY, Oswego	374	1,781	628	66	1,028	0	48	11
SUNY, C. Plattsburgh	375	1,729	1,197	59	472	0	1	0
Savannah State U.	376	1,720	1,709	11	0	0	0	0
U. Wisconsin-Oshkosh	377	1,713 i	1,282 i	0 i	0 i	0 i	0 i	431 i
Indiana State U.	378	1,682	1,190	142	186	70	94	0
Eastern Connecticut State U.	379	1,659	181	12	1,466	0	0	0
CUNY, York C.	380	1,621	1,511	0	88	22	0	0
California State U., Channel Islands	381	1,572	500	704	337	21	0	10
U. Wisconsin-Eau Claire	382	1,530	748	338	260	68	114	2
Northern Michigan U.	383	1,520	311	2	1,027	86	38	56
Albany State U.	384	1,491	1,065	256	0	170	0	0
California State U., Stanislaus	385	1,477	964	78	96	277	62	0
Fort Lewis C.	386	1,460	1,284	61	85	7	23	0
U. Michigan, Flint	387	1,448	122	205	855	131	121	14
CUNY, Medgar Evers C.	388	1,397	954	0	383	0	60	0
SUNY, C. Brockport	389	1,390	638	244	480	0	7	21
Central Connecticut State U.	390	1,381	540	339	463	0	39	0
U. Houston-Clear Lake	391	1,370	718	431	39	51	131	0
U. Alaska, Southeast	392	1,341	1,235	87	2	2	15	0
U. of Mary Washington	393	1,315	577	35	577	0	94	32
U. Minnesota, Morris	394	1,234	195	18	1,011	0	10	0
U. Puerto Rico, Humacao	395	1,195	828	0	367	0	0	0
Fort Hays State U.	396	1,143	694	326	123	0	0	0
Dine C.	397	1,126	1,126	0	0	0	0	0
Eastern Kentucky U.	398	1,125	598	82	328	2	13	102
U. Wisconsin-Platteville	399	1,084 i	339 i	276 i	183 i	248 i	29 i	9 i
Keene State C.	400	1,061	1,022	0	39	0	0	0
U.S. Army War C.	401	1,000 i	567 i	107 i	231 i	31 i	46 i	18 i
Chicago State U.	402	898	898	0	0	0	0	0
American Samoa Community C.	403	860	860	0	0	0	0	0
Texas A&M U.-Central Texas	404	428	45	250	71	0	62	0
Maine Maritime Academy	405	358	282	0	76	0	0	0

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

^a 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):

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, FY 2019.