

TABLE 37

Higher education R&D expenditures at public institutions, ranked by all R&D expenditures, by source of funds: FY 2022

(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	-	63,712,945	33,333,946	4,503,012	17,368,946	3,419,441	3,331,506	1,756,094
U. California, San Francisco	1	1,805,950	780,318	40,658	438,949	128,983	251,612	165,430
U. Michigan, Ann Arbor	2	1,770,708	970,636	1,592	612,187	106,122	71,520	8,651
U. Washington, Seattle	3	1,559,708	1,083,090	19,188	117,096	61,099	231,172	48,063
U. California, Los Angeles	4	1,536,197	848,138	89,554	287,147	87,218	187,416	36,724
U. California, San Diego	5	1,533,357	970,696	58,556	213,400	106,189	111,854	72,662
U. Wisconsin-Madison	6	1,523,513	740,854	109,946	463,759	40,450	127,756	40,748
Ohio State U.	7	1,363,388	636,902	66,409	424,790	141,894	52,073	41,320
U. North Carolina, Chapel Hill	8	1,361,028	827,158	38,681	343,102	49,664	84,942	17,481
U. Pittsburgh, Pittsburgh	9	1,251,998	814,647	10,753	281,033	36,310	63,172	46,083
Georgia Institute of Technology	10	1,231,485	940,488	117,204	62,025	82,540	25,348	3,880
U. Maryland ^a	11	1,228,550	750,447	49,950	334,100	34,844	52,546	6,663
U. Minnesota, Twin Cities	12	1,202,084	652,384	73,329	345,240	51,926	45,113	34,092
U. Texas M. D. Anderson Cancer Center	13	1,182,536	225,659	297,033	231,583	241,850	34,523	151,888
Texas A&M U., College Station and Health Science Center	14	1,152,666	505,355	218,735	315,112	35,535	47,156	30,773
U. Florida	15	1,085,834	467,739	171,655	327,074	39,233	51,825	28,308
Pennsylvania State U., University Park and Hershey Medical Center	16	1,019,940	681,159	47,345	207,630	24,121	30,128	29,557
U. California, Berkeley	17	981,035	468,542	37,894	210,324	69,062	169,790	25,423
U. California, Davis	18	883,807	468,468	71,806	211,277	50,684	42,552	39,020
U. Texas, Austin	19	845,896	536,296	31,721	151,594	76,512	45,893	3,880
U. Arizona	20	824,340	374,936	30,993	254,878	27,911	28,814	106,808
Arizona State U.	21	797,224	309,094	98,817	282,983	21,980	62,833	21,517
U. Illinois, Urbana-Champaign	22	765,909	420,953	28,024	215,146	49,272	33,693	18,821
Michigan State U.	23	759,229	381,504	42,516	291,592	10,942	17,393	15,282
Purdue U., West Lafayette	24	754,627	352,890	39,511	227,592	69,428	25,281	39,925
Indiana U., Bloomington	25	751,309	360,300	3,951	272,216	34,091	67,315	13,436
U. Texas Southwestern Medical Center	26	719,002	298,154	85,808	166,635	47,282	54,435	66,688
U. Alabama, Birmingham	27	713,480	421,223	8,816	172,809	73,595	35,196	1,841
Rutgers, State U. New Jersey, New Brunswick	28	712,231	351,660	90,882	149,889	44,250	71,821	3,729
U. Utah	29	670,119	367,040	3,347	221,473	43,073	31,556	3,630
U. Virginia, Charlottesville	30	662,658	332,993	9,520	187,912	32,511	32,320	67,402
U. Cincinnati	31	615,070	350,392	6,044	161,967	45,002	38,204	13,461
U. Colorado Boulder	32	611,380	507,892	5,422	46,096	11,316	17,307	23,347
U. Colorado Anschutz Medical Campus ^b	33	611,358	429,949	24,575	47,955	52,346	43,531	13,002
U. Iowa	34	594,215	314,346	5,957	220,605	32,201	21,085	21

TABLE 37

Higher education R&D expenditures at public institutions, ranked by all R&D expenditures, by source of funds: FY 2022

(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
Virginia Polytechnic Institute and State U.	35	591,861	240,305	75,010	225,690	37,005	6,972	6,879
North Carolina State U.	36	583,203	250,582	130,707	145,171	52,960	3,451	332
U. Georgia	37	545,631	220,343	55,206	237,894	12,775	12,380	7,033
U. California, Irvine	38	534,947	291,393	15,008	115,832	42,941	33,110	36,663
Oregon Health and Science U.	39	479,226	346,724	1,322	45,950	43,965	40,925	340
U. Kentucky	40	476,517	253,852	32,619	137,897	10,715	13,292	28,142
Colorado State U., Fort Collins	41	456,911	316,727	30,749	65,700	11,888	22,618	9,229
U. Illinois, Chicago	42	440,573	251,328	6,914	131,574	11,917	30,691	8,149
SUNY, U. Buffalo	43	439,709	218,231	33,635	122,816	29,723	26,045	9,259
U. Missouri, Columbia	44	432,310	182,432	35,573	181,090	17,608	10,296	5,311
SUNY, Polytechnic Institute	45	413,763	32,396	97,519	110,878	169,101	223	3,646
U. Oklahoma, Norman and Health Science Center	46	408,656	210,994	26,614	140,592	15,450	11,616	3,390
Virginia Commonwealth U.	47	405,898	166,726	34,539	173,811	16,124	14,537	161
U. Kansas	48	405,267	200,117	29,376	120,620	29,384	12,073	13,697
U. South Florida ^C	49	405,166	206,552	24,683	146,620	12,463	12,424	2,424
Iowa State U.	50	393,184	187,156	37,071	134,050	18,924	15,284	699
Washington State U.	51	368,396	187,580	54,610	103,067	9,099	13,119	921
U. Delaware	52	368,107	194,775	11,552	142,398	5,839	5,252	8,291
U. Connecticut	53	367,557	230,752	4,242	103,966	11,371	13,166	4,060
U. Massachusetts, Medical School	54	358,204	258,147	2,878	49,909	20,870	20,992	5,408
Florida State U.	55	355,986	163,744	24,003	152,444	4,914	3,723	7,158
Utah State U.	56	344,851	280,866	22,243	28,019	6,871	578	6,274
Louisiana State U., Baton Rouge	57	344,556	111,886	69,770	138,650	13,449	4,727	6,074
U. Texas Health Science Center, Houston	58	342,633	184,205	46,379	55,120	15,764	28,031	13,134
U. Nebraska, Lincoln	59	340,260	113,248	61,070	134,864	19,767	6,247	5,064
U. New Mexico	60	331,164	232,774	6,491	67,949	4,625	17,427	1,898
U. Tennessee, Knoxville	61	324,435	149,260	15,785	138,287	9,528	7,012	4,563
SUNY, Stony Brook U.	62	312,698	184,154	16,238	88,630	9,512	11,750	2,414
Auburn U., Auburn	63	304,439	104,883	33,555	143,876	8,338	1,912	11,875
Mississippi State U.	64	303,418	138,207	92,113	60,534	3,170	7,928	1,466
Temple U.	65	301,395	143,580	8,109	99,543	26,463	17,459	6,241
Oregon State U.	66	297,934	192,621	50,654	28,792	8,037	2,772	15,058
Medical U. South Carolina	67	284,553	163,395	4,565	76,566	20,932	9,097	9,998
Florida International U.	68	281,665	129,683	20,013	120,737	2,800	7,184	1,248
U. California, Santa Barbara	69	278,897	161,241	6,212	57,814	16,324	27,839	9,467

TABLE 37

Higher education R&D expenditures at public institutions, ranked by all R&D expenditures, by source of funds: FY 2022

(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. Hawaii, Manoa	70	277,323	169,762	17,799	75,287	2,304	11,546	625
Uniformed Services U. of the Health Sciences	71	277,240	194,187	0	75,736	0	7,317	0
Clemson U.	72	263,158	119,512	25,685	95,211	17,690	4,796	264
Wichita State U.	73	261,519	93,367	18,882	28,618	120,443	170	39
U. Massachusetts, Amherst	74	245,158	129,044	12,632	79,588	8,582	8,646	6,666
Wayne State U.	75	242,247	126,814	9,796	78,061	6,556	17,750	3,270
U. Houston	76	240,126	84,295	28,999	107,699	9,709	6,502	2,922
U. Texas Health Science Center, San Antonio	77	238,510	119,071	27,587	57,408	9,276	24,858	310
George Mason U.	78	230,068	119,406	5,816	55,812	6,969	35,685	6,380
U. Louisville	79	229,582	117,363	11,543	63,606	11,915	8,259	16,896
U. South Carolina, Columbia	80	229,162	106,752	13,021	95,360	4,322	8,292	1,415
Texas Tech U.	81	226,729	45,136	29,861	121,050	13,367	16,426	889
U. Central Florida	82	221,488	110,131	8,500	82,434	11,278	5,068	4,077
U. Vermont	83	216,307	117,163	1,379	82,412	2,785	7,081	5,487
Georgia State U.	84	215,908	81,641	6,415	112,773	502	13,940	637
West Virginia U.	85	214,081	97,327	9,769	79,689	5,016	3,862	18,418
Kansas State U.	86	212,974	81,820	40,926	72,772	8,259	8,047	1,150
U. New Hampshire	87	206,392	129,721	3,938	56,891	9,893	5,107	842
U. Arkansas for Medical Sciences	88	205,493	95,080	15,287	71,431	11,022	6,253	6,420
U. Nebraska, Medical Center	89	205,253	114,754	12,652	39,600	8,591	14,617	15,039
U. Louisiana, Lafayette	90	205,201	77,110	10,541	42,605	74,657	288	0
U. Texas Medical Branch	91	204,518	123,467	8,481	53,371	7,267	11,932	0
U. Alaska, Fairbanks	92	202,516	154,742	1,508	39,501	3,346	1,433	1,986
Montana State U., Bozeman	93	200,820	118,974	18,147	55,164	1,546	3,208	3,781
U. California, Riverside	94	199,135	114,257	8,566	51,532	6,267	8,538	9,975
Oklahoma State U., Stillwater	95	195,041	53,885	21,322	106,925	11,236	1,351	322
U. Arkansas, Fayetteville	96	184,080	64,252	48,654	59,522	4,705	5,742	1,205
U. Nevada, Reno	97	181,782	83,631	7,477	78,594	2,787	2,018	7,275
U. California, Santa Cruz	98	176,760	107,082	7,101	34,599	7,330	13,485	7,163
North Dakota State U.	99	174,904	45,343	50,066	71,056	1,507	864	6,068
U. Maine	100	171,931	84,072	19,449	60,064	3,848	2,568	1,930
U. Alabama, Huntsville	101	169,532	132,060	5,091	30,776	626	496	483
New Jersey Institute of Technology	102	167,135	71,326	14,576	62,576	1,872	7,207	9,578
U. Alabama, Tuscaloosa	103	163,204	67,986	17,040	73,435	2,701	1,631	411
U. Oregon	104	160,500	97,238	1,061	55,247	782	5,795	377

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U. Mississippi	105	152,903	84,270	183	61,653	2,696	3,489	612
U. North Dakota	106	147,717	62,737	26,441	44,072	13,559	727	181
U. Texas, San Antonio	107	147,629	54,384	13,795	64,443	5,765	6,123	3,119
U. Wyoming	108	139,764	68,772	5,592	58,184	4,099	2,167	950
U. Texas, Arlington	109	133,770	56,025	27,482	38,339	2,935	6,948	2,041
U. Texas, Dallas	110	130,914	60,706	13,882	32,378	9,499	14,449	0
SUNY, Binghamton U.	111	130,882	24,888	5,225	94,515	3,458	1,306	1,490
U. Texas, El Paso	112	130,501	60,387	15,999	41,654	1,177	2,151	9,133
SUNY, U. Albany	113	129,796	51,492	1,234	71,042	735	2,963	2,330
U. Rhode Island	114	129,102	93,190	5,508	24,722	1,304	3,470	908
Augusta U.	115	127,313	64,609	95	51,995	3,451	6,725	438
U. Montana, Missoula	116	125,603	73,507	659	48,353	709	2,220	155
San Diego State U.	117	123,856	50,540	4,812	64,484	457	2,489	1,074
New Mexico State U.	118	121,472	71,718	23,036	16,167	2,451	2,366	5,734
U. Idaho	119	115,603	56,160	35,703	17,659	1,923	766	3,392
U. Tennessee, Health Science Center	120	115,161	60,221	6,205	32,641	3,958	6,232	5,904
U. Massachusetts, Lowell	121	111,144	62,195	2,599	39,067	4,463	2,112	708
U. Maryland, Baltimore County	122	110,319	65,368	7,264	31,743	1,958	2,611	1,375
Texas State U.	123	110,102	38,936	3,810	60,338	1,102	5,800	116
Colorado School of Mines	124	98,404	66,200	1,446	13,739	9,580	2,329	5,110
U. Nevada, Las Vegas	125	94,967	28,867	2,174	59,398	1,656	809	2,063
U. North Texas, Denton	126	93,538	23,056	5,007	61,728	1,979	1,762	6
Michigan Technological U.	127	91,084	48,766	999	32,247	6,687	591	1,794
New Mexico Institute of Mining and Technology	128	89,900	72,594	10,532	2,895	2,922	269	688
Cleveland State U.	129	81,225	53,395	848	18,497	3,481	4,812	192
William & Mary	130	75,953	33,730	4,124	30,035	966	4,212	2,886
U. Southern Mississippi	131	72,477	48,368	11,944	10,942	555	668	0
San Jose State U.	132	71,695	30,984	7,796	27,661	1,792	2,296	1,166
U. Memphis	133	71,271	24,686	8,365	33,900	1,084	3,045	191
Northern Arizona U.	134	66,729	43,453	7,055	14,501	813	768	139
CUNY, City C.	135	65,569	38,596	11,892	13,103	467	1,311	200
U. Massachusetts, Boston	136	65,215	23,131	8,852	25,606	2,043	4,958	625
Old Dominion U.	137	64,877	27,804	12,866	19,957	820	2,515	915
U. Toledo	138	64,654	36,694	1,211	19,679	3,312	3,509	249
U. Texas Rio Grande Valley	139	64,401	18,317	5,380	32,862	212	7,326	304

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Indiana U.-Purdue U., Indianapolis	140	64,162	29,353	413	27,461	1,313	5,475	147
Naval Postgraduate School	141	64,055	44,852	0	18,483	313	66	341
Florida Atlantic U.	142	61,748	28,641	7,443	15,422	2,431	5,831	1,980
South Dakota State U.	143	59,590	22,991	16,267	4,841	1,278	2,537	11,676
U. Wisconsin-Milwaukee	144	56,822	24,036	16,504	12,368	1,535	935	1,444
East Carolina U.	145	55,693	29,648	408	19,542	3,991	1,783	321
U. California, Office of the President	146	54,640	158	34,007	20,390	0	0	85
Louisiana State U., Health Sciences Center, New Orleans	147	53,995	33,087	168	13,488	3,193	3,275	784
U. Maryland Center for Environmental Science	148	53,718	15,109	26,071	10,222	223	1,792	301
Missouri U. of Science and Technology	149	53,357	28,792	227	15,993	4,559	662	3,124
U. Missouri, Kansas City	150	52,657	31,134	225	17,201	338	969	2,790
Ohio U.	151	52,465	20,587	1,035	26,187	3,634	634	388
Kent State U.	152	52,175	16,195	1,308	32,748	640	1,242	42
Florida A&M U.	153	50,636	41,943	1,510	6,256	334	593	0
SUNY, Upstate Medical U.	154	50,586	27,737	2,261	10,660	5,883	2,331	1,714
U. California, Merced	155	48,147	23,421	5,992	14,279	768	1,918	1,769
North Carolina A&T State U.	156	47,908	29,094	3,899	14,445	261	195	14
Boise State U.	157	47,617	32,015	2,842	11,230	536	876	118
U. Puerto Rico, Medical Sciences Campus	158	47,578	35,050	1,005	8,295	3,228	0	0
Southern Illinois U., Carbondale	159	46,967	13,582	802	24,670	7,169	744	0
Texas Tech U., Health Sciences Center	160	46,574	14,620	16,937	9,544	508	2,963	2,002
Air Force Institute of Technology	161	44,391	32,479	0	11,869	43	0	0
U. South Alabama	162	43,491	23,762	998	15,313	1,232	1,383	803
U. North Carolina, Charlotte	163	43,126	26,871	1,158	11,848	2,689	560	0
Portland State U.	164	41,483	30,922	2,635	3,949	636	2,882	459
U. North Carolina, Greensboro	165	41,303	29,822	524	9,054	593	579	731
U. West Florida	166	38,870	17,114	203	20,673	683	197	0
Oakland U.	167	38,061	9,533	2,911	18,539	2,613	2,636	1,829
San Francisco State U.	168	36,617	15,276	2,013	18,257	53	990	28
U.S. Air Force Academy	169	36,506	35,826	0	0	680	0	0
Georgia Southern U.	170	36,362	2,605	322	28,826	4,608	1	0
Texas A&M U.-Corpus Christi	171	36,014	15,229	9,903	5,287	90	2,782	2,723
CUNY, Hunter C.	172	35,348	21,142	3,367	8,895	716	1,165	63
U. Texas Health Science Center, Tyler	173	33,872	14,362	8,127	6,016	858	4,509	0
California Polytechnic State U., San Luis Obispo	174	33,155	15,084	3,155	9,964	2,008	2,890	54

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U. Massachusetts, Dartmouth	175	33,136	11,162	1,519	18,713	1,035	440	267
SUNY, C. of Environmental Science and Forestry	176	32,904	7,766	14,020	8,411	795	817	1,095
Montclair State U.	177	32,202	5,189	619	24,540	54	1,683	117
SUNY, Downstate Health Sciences U.	178	30,918	25,081	31	3,816	177	1,475	338
U. South Dakota	179	30,322	13,702	1,919	14,176	32	493	0
Rowan U.	180	29,949	18,613	4,720	4,546	1,177	893	0
Louisiana State U., Health Sciences Center, Shreveport	181	29,502	15,503	21	8,434	1,045	4,499	0
Morgan State U.	182	29,482	24,670	2,835	707	601	344	325
Delaware State U.	183	29,016	24,361	598	3,457	150	440	10
Miami U.	184	28,799	10,277	1,997	13,843	1,375	969	338
Desert Research Institute	185	28,478	17,341	385	4,377	960	4,381	1,034
Rutgers, State U. New Jersey, Newark	186	28,345	16,099	421	8,531	167	3,041	86
U. Puerto Rico, Rio Piedras	187	28,083	16,905	60	10,458	229	376	55
Western Michigan U. and Homer Stryker M.D. School of Medicine	188	27,768	12,895	1,348	9,489	2,063	473	1,500
Wright State U.	189	27,440	20,529	757	5,368	407	343	36
Northern Illinois U.	190	27,068	9,840	774	14,986	634	606	228
Louisiana Tech U.	191	26,591	5,734	2,532	15,621	713	0	1,991
Marshall U.	192	25,692	16,369	1,909	6,479	320	615	0
Illinois State U.	193	25,510	8,673	487	14,540	54	1,752	4
U. Nebraska, central administration	194	25,402	23,872	0	1,498	0	0	32
Central Michigan U.	195	25,105	9,773	1	14,061	157	794	319
U. Nebraska, Omaha	196	24,259	17,301	2,445	4,038	44	387	44
California State U., Sacramento	197	23,795	6,646	10,203	5,694	115	511	626
Texas A&M U.-Kingsville	198	23,451	8,225	6,241	2,812	389	5,647	137
East Tennessee State U.	199	23,420	9,715	315	9,214	35	3,881	260
U. Minnesota, Duluth	200	23,362	6,122	5,928	10,794	382	105	31
Middle Tennessee State U.	201	22,631	4,347	509	16,715	261	799	0
Eastern Virginia Medical School	202	22,165	17,616	1,186	2,603	148	612	0
U. New Orleans	203	21,911	8,270	788	10,393	483	1,067	910
Kennesaw State U.	204	21,705	3,290	529	17,003	205	543	135
CUNY, Queens C.	205	21,434	14,756	1,362	4,717	83	439	77
U. Alaska, Anchorage	206	21,024	15,249	1,227	3,392	282	493	381
U.S. Military Academy	207	20,841	19,708	0	95	482	280	276
U. Guam	208	20,481	17,066	1,682	1,339	375	19	0
Prairie View A&M U.	209	20,429	11,665	4,037	3,898	327	502	0

TABLE 37

Higher education R&D expenditures at public institutions, ranked by all R&D expenditures, by source of funds: FY 2022

(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. of the Virgin Islands	210	20,259	19,127	1,010	NA	48	74	0
South Dakota School of Mines and Technology	211	20,061	15,100	1,467	2,488	741	55	210
Tarleton State U.	212	20,056	5,055	3,927	10,533	257	284	0
U. North Carolina, Wilmington	213	20,053	7,178	6,644	3,338	1,166	1,638	89
U. Akron	214	19,943	11,036	160	5,608	2,102	893	144
California State U., Northridge	215	19,638	15,546	984	1,207	181	1,703	17
Bowling Green State U.	216	19,342	7,918	1,649	8,895	122	758	0
Southern Illinois U., Edwardsville	217	19,152	3,250	556	14,766	577	3	0
California State U., East Bay	218	19,035	8,997	693	8,232	2	1,036	75
U. North Florida	219	18,394	7,758	746	8,817	107	232	734
U. Puerto Rico, Mayaguez	220	18,274	16,223	455	314	1,049	233	0
U. Colorado Denver ^b	221	18,080	12,668	2,422	1,063	453	1,160	314
Tennessee State U.	222	18,012	10,859	567	6,466	4	116	0
California State U., Long Beach	223	17,807	11,739	572	2,980	534	837	1,145
Jackson State U.	224	17,481	15,045	0	1,427	93	916	0
James Madison U.	225	17,021	2,884	798	12,602	218	518	1
Alcorn State U.	226	16,726	9,361	4,977	2,349	7	32	0
California State U., Fullerton	227	16,642	6,136	305	9,664	95	442	0
Idaho State U.	228	16,615	9,080	2,223	4,292	547	249	224
North Carolina Central U.	229	16,600	13,709	954	NA	434	776	727
CUNY, Advanced Science Research Center	230	16,507	12,580	365	2,226	324	888	124
CUNY, Graduate School of Public Health and Health Policy	231	16,423	11,880	318	2,189	658	1,340	38
Tennessee Technological U.	232	16,398	8,156	4,256	3,464	117	146	259
CUNY, John Jay C. of Criminal Justice	233	16,233	5,777	3,516	3,492	144	2,171	1,133
California State Polytechnic U., Humboldt	234	15,612	2,421	4,248	4,784	110	2,209	1,840
Western Washington U.	235	15,081	6,347	1,063	5,954	68	1,614	35
Texas Tech U., Health Sciences Center, El Paso	236	14,206	2,339	2,856	8,097	475	438	1
Montana Technological U.	237	14,188	5,600	6,085	2,221	282	0	0
Northeast Ohio Medical U.	238	13,465	9,400	47	3,197	0	821	0
U. Missouri, Saint Louis	239	13,247	4,573	61	5,106	81	2,934	492
U. Tennessee, Chattanooga	240	12,808	5,214	1,291	5,510	106	229	458
U. Hawaii, system office	241	12,646	12,511	0	135	0	0	0
California State U., Fresno	242	12,603	5,928	1,102	3,854	356	1,258	105
Virginia State U.	243	12,326	7,115	2,006	2,544	0	661	0
Texas Southern U.	244	12,120	7,550	1,150	3,362	0	58	0

TABLE 37

Higher education R&D expenditures at public institutions, ranked by all R&D expenditures, by source of funds: FY 2022

(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
Sam Houston State U.	245	12,009	4,936	132	6,444	1	382	114
California State U., San Bernardino	246	11,929	6,693	2,445	2,657	3	131	0
Lincoln U., Jefferson City	247	11,500	8,988	2,512	NA	0	0	0
Missouri State U.	248	11,162	10,084	94	754	95	135	0
Rhode Island C.	249	11,127	5,372	5,301	92	0	362	0
U. of the District of Columbia	250	10,779	9,859	920	0	0	0	0
U.S. Naval Academy	251	10,664	10,147	0	0	0	251	266
Salisbury U.	252	10,614	3,734	3,405	3,415	0	50	10
U. North Texas, Health Science Center	253	10,439	3,172	0	6,615	502	14	136
Winston-Salem State U.	254	10,436	8,903	283	0	0	785	465
Central State U.	255	10,274	5,576	3,039	1,659	0	0	0
Fort Valley State U.	256	9,969	7,265	2,704	0	0	0	0
Ball State U.	257	9,932	5,302	257	3,754	247	372	0
Florida Gulf Coast U.	258	9,896	6,482	1,823	214	110	1,211	56
California State U., Los Angeles	259	9,839	8,605	130	943	0	161	0
Alabama A&M U.	260	9,611	9,221	4	0	386	0	0
West Texas A&M U.	261	9,438	2,123	4,302	1,972	966	29	46
Kentucky State U.	262	9,284	4,743	4,357	0	83	101	0
U. Maryland, Eastern Shore	263	9,274	9,062	192	20	0	0	0
California State U., San Marcos	264	9,238	7,986	980	265	0	7	0
California State U., Monterey Bay	265	8,975	5,051	1,404	2,300	50	164	6
Towson U.	266	8,788	2,844	177	5,513	30	217	7
Oklahoma State U., Center for Health Sciences	267	8,368	3,366	35	4,897	53	17	0
Arkansas State U., Jonesboro	268	8,214	3,932	3,325	658	271	28	0
U. Washington, Bothell	269	8,197	4,009	259	786	85	3,007	51
U. Michigan, Dearborn	270	8,180	2,537	9	3,259	2,070	223	82
Eastern Michigan U.	271	8,025	2,346	50	5,324	57	248	0
U. Hawaii, Hilo	272	8,001	5,292	66	1,533	131	931	48
U. Oklahoma, Tulsa	273	7,945	1,804	1,709	2,892	104	1,120	316
California State Polytechnic U., Pomona	274	7,909	5,407	846	1,441	204	11	0
U. Colorado Colorado Springs	275	7,761	5,345	752	939	595	130	0
Western Kentucky U.	276	7,720	3,127	531	3,961	55	46	0
William Paterson U.	277	7,574	1,896	0	5,401	121	131	25
U. Arkansas, Little Rock	278	7,530	6,675	220	80	170	157	228
U. Arkansas, Pine Bluff	279	7,506	3,306	1,449	2,737	0	14	0

TABLE 37

Higher education R&D expenditures at public institutions, ranked by all R&D expenditures, by source of funds: FY 2022

(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
Appalachian State U.	280	7,189	2,567	103	3,129	617	771	2
U. Central Oklahoma	281	7,070 i	1,869 i	747 i	4,365 i	85 i	3 i	1 i
Southern U. and A&M C., Agricultural Research and Extension Center	282	7,048	4,261	2,765	22	0	0	0
West Virginia State U.	283	6,703	4,278	1,601	815	0	9	0
Grand Valley State U.	284	6,695	1,819	378	2,986	0	948	564
U. Baltimore	285	6,646	4,853	1,445	NA	4	259	85
Langston U.	286	6,481	3,616	0	2,449	416	0	0
Rutgers, State U. New Jersey, Camden	287	6,480	3,349	60	2,003	330	724	14
C. Charleston	288	6,421	4,485	383	1,032	40	465	16
Purdue U., Northwest	289	6,387	3,171	767	1,323	477	128	521
Pennsylvania State U., Behrend	290	6,384	3,262	405	1,345	848	514	10
Indiana U. Pennsylvania	291	6,313	1,797	729	3,303	0	469	15
Southern Connecticut State U.	292	6,286	848	103	4,722	0	362	251
CUNY, Brooklyn C.	293	6,220	4,623	0	1,418	3	160	16
Texas Woman's U.	294	6,029	2,091	2,386	883	135	534	0
U. North Carolina, Asheville	295	5,973	2,600	542	543	54	2,234	0
West Chester U. Pennsylvania	296	5,903	854	20	4,618	32	379	0
Northwest Indian C.	297	5,632	4,298	0	1,334	0	0	0
Naval War C.	298	5,529	5,529	0	0	0	0	0
CUNY, Graduate Center	299	5,509	2,535	154	1,080	0	1,208	532
Kean U.	300	5,499	715	180	4,548	15	41	0
U. Southern Maine	301	5,498	2,201	2,893	237	0	126	41
U.S. Army War C.	302	5,496 i	5,496 i	0 i	0 i	0 i	0 i	0 i
U. Washington, Tacoma	303	5,484	4,553	432	207	0	138	154
Lamar U.	304	5,304	1,180	3,639	220	167	98	0
Oregon Institute of Technology	305	5,086 i	340	4,431 i	NA	109 i	206 i	0
Texas A&M U.-Commerce	306	4,955	1,776	222	2,783	4	153	17
California State U., Bakersfield	307	4,815	2,665	259	1,878	0	13	0
Dakota State U.	308	4,684	3,976	236	382	84	6	0
CUNY, Lehman C.	309	4,656	3,652	10	421	177	273	123
U. Wisconsin-Superior	310	4,615	3,635	135	617	152	76	0
SUNY, C. of Optometry	311	4,497	2,080	0	708	1,642	56	11
Texas A&M International U.	312	4,486	1,624	917	1,093	73	751	28
Citadel Military C. South Carolina	313	4,374	3,741	270	336	3	20	4
Southern U. and A&M C., Baton Rouge	314	4,344	3,595	80	34	635	0	0

TABLE 37

Higher education R&D expenditures at public institutions, ranked by all R&D expenditures, by source of funds: FY 2022

(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
Western Illinois U.	315	4,311	4,032	0	47	160	0	72
South Carolina State U.	316	4,270 i	4,270 i	NA	NA	NA	NA	NA
California State U., Dominguez Hills	317	4,230	3,156	23	1,001	0	50	0
California State U., Chico	318	4,177	2,312	763	422	130	44	506
Youngstown State U.	319	4,157	3,533	260	305	42	17	0
U. Nebraska, Kearney	320	4,009	1,900	530	1,459	48	0	72
National Defense U.	321	3,920	3,920	0	0	0	0	0
Northern Kentucky U.	322	3,888	2,596	2	890	22	378	0
Sonoma State U.	323	3,774	2,889	406	298	40	141	0
U. Wisconsin-Stevens Point	324	3,740	1,235	1,074	829	1	314	287
Coastal Carolina U.	325	3,724	1,130	948	1,580	0	66	0
Chicago State U.	326	3,701	3,699	0	0	0	2	0
U. Central Arkansas	327	3,684	1,731	623	1,186	0	144	0
Norfolk State U.	328	3,593	3,398	89	0	0	106	0
U. Texas of the Permian Basin	329	3,577	1,538	685	756	132	466	0
CUNY, C. Staten Island	330	3,545	2,916	93	342	1	133	60
U. North Carolina, general administration	331	3,522	369	3,153	0	0	0	0
U. Northern Iowa	332	3,486	2,132	465	808	0	81	0
C. New Jersey	333	3,464	1,984	186	579	0	715	0
Winthrop U.	334	3,424	2,542	196	628	13	45	0
California State U., Channel Islands	335	3,377	1,638	746	690	267	36	0
Murray State U.	336	3,371	2,176	23	1,060	112	0	0
Bowie State U.	337	3,351	3,351	0	0	0	0	0
U. Northern Colorado	338	3,308	1,692	100	1,224	143	149	0
U. Texas, Tyler	339	3,246	1,585	651	821	111	64	14
Fayetteville State U.	340	3,206	1,667	479	898	116	46	0
Stephen F. Austin State U.	341	3,184	879	1,326	511	22	267	179
Alabama State U.	342	3,178	2,930	0	0	216	1	31
Central Washington U.	343	3,176	2,429	266	350	55	42	34
CUNY, Baruch C.	344	3,156	1,894	23	640	0	505	94
Austin Peay State U.	345	3,149	870	1,186	984	0	89	20
U. Louisiana, Monroe	346	3,128	1,993	748	208	41	138	0
Colorado State U., Pueblo	347	3,117	1,278	1,721	82	0	27	9
U. Wisconsin-La Crosse	348	2,942	968	694	977	227	70	6
Pennsylvania State U., Harrisburg	349	2,927	1,911	491	251	173	101	0

TABLE 37

Higher education R&D expenditures at public institutions, ranked by all R&D expenditures, by source of funds: FY 2022

(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
CUNY, system office	350	2,900	798	1,528	223	99	252	0
Pittsburg State U.	351	2,884	1,167	666	NA	1,051	0	0
U. Illinois, Springfield	352	2,881	1,210	646	797	0	228	0
Morehead State U.	353	2,880	2,086	431	15	345	3	0
Saginaw Valley State U.	354	2,862 i	2,341 i	0 i	388 i	5 i	112 i	16 i
Framingham State U.	355	2,830 i	232 i	0 i	0 i	95 i	2,503 i	0 i
Western Carolina U.	356	2,783	1,727	297	519	157	83	0
Fort Lewis C.	357	2,765	2,590	48	51	0	76	0
Christopher Newport U.	358	2,762	1,701	0	855	48	158	0
U. Wisconsin-Green Bay	359	2,713	1,046	752	843	25	47	0
U. Virginia's C. Wise	360	2,628	786	837	965	4	36	0
U. South Carolina, Aiken	361	2,595	857	0	1,729	0	9	0
Sul Ross State U.	362	2,526 i	623 i	151 i	143 i	30 i	941 i	638 i
Troy U.	363	2,517	2,296	48	135	38	0	0
Eastern Washington U.	364	2,437	855	1,332	NA	13	149	88
Southeastern Louisiana U.	365	2,407	1,285	266	784	61	11	0
Grambling State U.	366	2,306 i	809 i	639 i	858 i	0 i	0 i	0 i
St. Cloud State U.	367	2,226	401	235	690	601	299	0
Northeastern Illinois U.	368	2,224	2,224	0	0	0	0	0
Minnesota State U., Mankato	369	2,206	575	110	1,300	0	18	203
SUNY, Buffalo State	370	2,172	1,299	658	189	5	1	20
Purdue U., Fort Wayne	371	2,134	313	371	814	140	186	310
Dine C.	372	2,091	2,091	0	0	0	0	0
SUNY, Geneseo	372	2,091	1,564	8	502	0	17	0
Lake Superior State U.	374	2,056	1,184	125	569	83	0	95
U. Wisconsin-Oshkosh	375	1,990	1,336	72	546	36	0	0
Black Hills State U.	376	1,987	1,676	119	192	0	0	0
California State U., Stanislaus	377	1,966	1,056	243	176	464	27	0
CUNY, New York City C. of Technology	378	1,955	1,769	16	120	20	0	30
Elizabeth City State U.	379	1,934	1,667	206	NA	61	0	0
CUNY, York C.	380	1,912	1,659	0	189	0	64	0
Utah Valley U.	381	1,895	1,280	490	59	0	66	0
Northern Michigan U.	382	1,888	571	90	723	0	291	213
Savannah State U.	382	1,888	1,881	7	0	0	0	0
Northwestern State U. Louisiana	384	1,848	742	838	268	0	0	0

TABLE 37

Higher education R&D expenditures at public institutions, ranked by all R&D expenditures, by source of funds: FY 2022

(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. Houston-Clear Lake	385	1,800	841	408	91	399	61	0
Virginia Military Institute	386	1,746	1,137	221	378	0	10	0
Eastern Connecticut State U.	387	1,734	126	3	1,605	0	0	0
U. North Georgia	387	1,734	734	138	690	13	159	0
Florida Polytechnic U.	389	1,725	706	144	588	225	62	0
Stockton U.	390	1,657	728	180	720	3	26	0
U. Wisconsin-Eau Claire	391	1,628	681	396	278	243	24	6
U. Alaska, Southeast	392	1,570	1,392	28	43	24	64	19
SUNY, C. Brockport	393	1,500	751	166	435	23	43	82
U. Houston-Downtown	394	1,485	903	57	238	0	287	0
U. Puerto Rico, Humacao	395	1,448	1,160	0	288	0	0	0
East Stroudsburg U. Pennsylvania	396	1,410	598	44	149	0	619	0
U. Puerto Rico, Cayey	397	1,390	757	0	430	0	203	0
Indiana State U.	398	1,354	894	128	210	84	26	12
U. Wisconsin-Platteville	399	1,349 i	435 i	340 i	224 i	305 i	35 i	10 i
New Mexico Highlands U.	400	1,331 i	1,288 i	0 i	0 i	0 i	43 i	0 i
West Virginia School of Osteopathic Medicine	401	1,329	468	11	850	0	0	0
Texas A&M U.-San Antonio	402	1,242	394	119	570	22	60	77
U. of Mary Washington	403	1,229	501	54	601	6	39	28
SUNY, Cobleskill	404	1,211	379	828	0	4	0	0
SUNY, Oswego	405	1,209	544	36	549	0	74	6
Nevada State C.	406	1,191	1,167	0	22	0	2	0
SUNY, C. Plattsburgh	407	1,043	584	46	334	0	57	22
Central Connecticut State U.	408	1,035	511	58	459	0	4	3
Plymouth State U.	409	669	571	0	84	0	0	14
California State U., Maritime Academy	410	526	192	105	10	219	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.

^b The University of Colorado Denver and University of Colorado Anschutz Medical Center report to the survey separately. Prior to FY 2021, expenditures were reported together under University of Colorado Denver and Anschutz Medical Campus.

^c The University of South Florida includes expenditures from the University of South Florida, Tampa; University of South Florida, Saint Petersburg; and University of South Florida, Sarasota-Manatee campuses. Due to the consolidation of the three campuses that occurred on 1 July 2020, University of South Florida, Saint Petersburg and University of South Florida, Sarasota-Manatee began reporting with the University of South Florida, Tampa as the University of South Florida. Prior to FY 2021, all three campuses reported to the survey as separate institutions.

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 2022.