

TABLE 37

Higher education R&D expenditures at public institutions, ranked by all R&D expenditures, by source of funds: FY 2021

(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	-	58,667,378	30,103,415	4,355,632	16,044,594	3,083,531	3,160,741	1,919,465
U. California, San Francisco	1	1,710,036	683,179	33,056	418,589	128,370	254,406	192,436
U. Michigan, Ann Arbor	2	1,639,645	891,125	2,066	581,768	91,117	63,650	9,919
U. Washington, Seattle	3	1,488,645	1,046,377	21,877	105,070	54,751	212,584	47,986
U. California, Los Angeles	4	1,454,880	721,043	71,014	302,528	87,959	194,232	78,104
U. California, San Diego	5	1,425,499	801,117	51,346	250,863	85,003	87,380	149,790
U. Wisconsin-Madison	6	1,380,075	646,764	135,923	412,540	31,502	117,817	35,529
Ohio State U.	7	1,236,111	559,797	45,862	425,597	129,914	50,022	24,919
U. North Carolina, Chapel Hill	8	1,205,883	747,895	9,550	304,506	48,938	79,885	15,109
Texas A&M U., College Station and Health Science Center	9	1,147,720	528,057	198,483	313,192	32,978	45,135	29,875
U. Maryland ^a	10	1,142,264	713,283	42,597	307,481	30,638	43,450	4,815
U. Pittsburgh, Pittsburgh	11	1,135,416	724,993	9,484	255,241	33,240	65,217	47,241
U. Texas M. D. Anderson Cancer Center	12	1,124,971	217,073	293,325	233,279	211,849	32,741	136,704
Georgia Institute of Technology	13	1,114,481	852,319	107,465	71,780	56,015	23,558	3,344
U. Minnesota, Twin Cities	14	1,072,961	570,946	69,842	309,620	44,460	45,879	32,214
Pennsylvania State U., University Park and Hershey Medical Center	15	970,544	622,532	46,993	216,134	33,787	26,230	24,868
U. Florida	16	959,965	423,154	161,448	266,197	31,394	46,582	31,190
U. California, Berkeley	17	846,872	354,478	40,383	185,077	71,696	137,896	57,342
U. California, Davis	18	817,409	373,719	75,116	207,272	56,160	44,693	60,449
U. Texas, Austin	19	779,348	489,827	30,336	139,669	68,580	43,258	7,678
U. Arizona	20	770,031	353,117	28,604	234,514	24,601	31,045	98,150
U. Illinois, Urbana-Champaign	21	731,268	406,612	26,853	206,718	41,455	33,562	16,068
Michigan State U.	22	710,178	349,889	41,609	275,632	11,016	17,600	14,432
Indiana U., Bloomington	23	695,258	326,326	3,863	264,093	29,077	70,216	1,683
Purdue U., West Lafayette	24	679,482	295,278	37,369	211,557	64,364	25,857	45,057
Arizona State U.	25	677,303	274,541	43,390	258,139	23,580	56,958	20,695
U. Alabama, Birmingham	26	644,330	423,290	9,355	116,561	61,764	31,641	1,719
Rutgers, State U. New Jersey, New Brunswick	27	643,955	339,015	84,201	111,501	40,861	49,049	19,328
U. Texas Southwestern Medical Center	28	632,134	257,611	68,114	151,111	38,886	52,491	63,921
U. Utah	29	624,737	340,434	4,638	203,839	38,783	33,417	3,626
U. Virginia, Charlottesville	30	611,313	297,273	8,714	181,375	28,643	34,515	60,793
U. Colorado Anschutz Medical Campus ^b	31	562,855	363,999	25,162	69,836	48,309	45,580	9,969

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Institution	Rank	All R&D expenditures	Source of funds					
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U. Iowa	32	553,876	283,763	5,395	220,579	25,536	18,601	2
U. Cincinnati	33	551,826	309,097	7,234	145,772	39,228	38,816	11,679
U. Colorado Boulder	34	547,724	459,816	4,348	33,465	10,691	14,357	25,047
North Carolina State U.	35	547,118	239,115	127,290	126,142	49,478	4,806	287
Virginia Polytechnic Institute and State U.	36	542,045	216,733	60,571	220,645	32,964	5,050	6,082
U. California, Irvine	37	523,752	255,010	15,891	130,928	40,622	34,512	46,789
U. Georgia	38	493,944	188,451	54,706	220,665	11,212	14,029	4,881
SUNY, Polytechnic Institute	39	465,273	25,427	206,962	77,753	150,915	456	3,760
Oregon Health and Science U.	40	452,812	329,016	1,007	44,030	40,991	37,168	600
Colorado State U., Fort Collins	41	447,197	303,901	28,559	76,610	11,979	19,536	6,612
U. Illinois, Chicago	42	429,585	237,949	8,027	137,227	13,998	25,065	7,319
U. Kentucky	43	429,241	220,703	33,287	127,488	8,529	11,078	28,156
SUNY, U. Buffalo	44	425,349	210,257	27,020	132,361	21,474	24,932	9,305
U. South Florida ^C	45	405,088	185,364	23,254	161,442	14,798	10,584	9,646
U. Missouri, Columbia	46	388,779	163,576	39,936	157,031	14,488	8,801	4,947
U. Kansas	47	385,637	187,249	33,921	112,360	27,517	11,831	12,759
Uniformed Services U. of the Health Sciences	48	384,490	275,573	0	82,058	0	26,859	0
U. Oklahoma, Norman and Health Science Center	49	380,048	193,639	38,203	116,014	19,294	9,504	3,394
Virginia Commonwealth U.	50	364,096	160,995	31,893	144,356	12,494	14,358	0
Iowa State U.	51	360,275	169,177	34,097	122,844	19,837	9,644	4,676
Washington State U.	52	357,648	179,536	48,317	106,804	9,897	11,326	1,768
U. Massachusetts, Medical School	53	347,337	248,873	5,405	49,135	16,669	19,542	7,713
U. New Mexico	54	332,566	242,212	8,359	62,426	4,253	14,088	1,228
Florida State U.	55	328,604	150,108	20,583	143,790	3,033	3,764	7,326
Utah State U.	56	325,223	264,575	22,481	24,792	6,975	482	5,918
U. Tennessee, Knoxville	57	316,273	135,202	12,577	151,533	7,224	5,995	3,742
U. Texas Health Science Center, Houston	58	308,823	165,139	42,636	47,653	16,305	24,200	12,890
U. Nebraska, Lincoln	59	307,083	106,564	55,626	111,550	19,843	6,145	7,355
U. Connecticut	60	302,329	183,362	4,394	88,458	9,827	12,683	3,605
Temple U.	61	299,778	153,316	8,876	90,467	22,560	18,260	6,299
Louisiana State U., Baton Rouge	62	296,673	103,178	70,166	98,424	11,492	5,959	7,454
Medical U. South Carolina	63	277,761	162,394	4,423	72,286	22,129	8,899	7,630
Oregon State U.	64	276,955	179,180	47,981	25,573	6,517	2,956	14,748

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Mississippi State U.	65	275,143	116,713	88,418	58,242	3,257	6,994	1,519
SUNY, Stony Brook U.	66	274,516	162,972	10,323	84,647	5,135	9,416	2,023
U. Hawaii, Manoa	67	271,768	157,772	20,742	78,176	2,660	11,138	1,280
Auburn U., Auburn	68	266,374	91,157	28,351	130,767	6,492	1,818	7,789
U. California, Santa Barbara	69	248,961	122,168	5,213	54,569	20,480	28,768	17,763
Florida International U.	70	246,075	105,309	19,445	111,950	2,311	6,437	623
Clemson U.	71	237,485	89,883	25,748	98,955	16,178	6,562	159
Wayne State U.	72	235,519	117,976	9,594	72,758	4,228	26,574	4,389
U. Delaware	73	231,532	157,725	10,335	47,254	6,026	4,176	6,016
U. Texas Health Science Center, San Antonio	74	219,734	106,824	25,110	51,848	10,085	25,548	319
U. Central Florida	75	218,596	109,310	11,703	76,091	11,489	5,025	4,978
U. South Carolina, Columbia	76	215,374	97,193	6,108	96,392	3,409	8,354	3,918
George Mason U.	77	214,207	103,712	3,387	65,041	5,910	30,643	5,514
U. Massachusetts, Amherst	78	213,824	116,349	8,595	71,954	7,710	5,479	3,737
Georgia State U.	79	206,472	79,834	6,353	105,546	615	11,938	2,186
Kansas State U.	80	203,846	77,779	42,139	68,224	6,671	7,814	1,219
U. Houston	81	202,536	77,489	35,530	71,291	7,745	7,309	3,172
U. Nebraska, Medical Center	82	200,974	111,042	11,950	38,843	9,286	14,356	15,497
U. Louisville	83	200,362	97,179	7,351	65,375	9,846	7,685	12,926
West Virginia U.	84	199,907	89,802	9,993	72,419	4,505	5,949	17,239
Oklahoma State U., Stillwater	85	198,799	47,428	21,258	117,732	9,786	2,322	273
Texas Tech U.	86	197,739	33,938	27,357	108,999	12,221	14,929	295
U. Vermont	87	195,320	103,554	727	74,407	1,989	8,801	5,842
U. Arkansas for Medical Sciences	88	194,709	83,387	24,809	63,526	13,493	4,730	4,764
Montana State U., Bozeman	89	193,577	113,257	17,738	52,653	2,084	4,742	3,103
Wichita State U.	90	192,042	77,427	6,161	20,493	86,621	297	1,043
U. California, Riverside	91	189,600	97,182	11,424	49,131	6,809	7,703	17,351
U. Texas Medical Branch	92	185,759	117,915	7,739	39,565	8,424	12,116	0
U. Louisiana, Lafayette	93	181,400	65,436	7,472	40,891	67,346	255	0
U. Nevada, Reno	94	175,386	77,246	7,001	74,924	2,919	1,698	11,598
U. Alaska, Fairbanks	95	172,957	128,229	1,956	36,765	2,534	1,758	1,715
U. New Hampshire	96	167,373	99,323	7,547	47,286	7,870	3,511	1,836
New Jersey Institute of Technology	97	166,587	77,057	13,030	60,952	1,278	6,242	8,028

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U. Arkansas, Fayetteville	98	164,443	48,534	50,207	51,933	6,561	6,257	951
North Dakota State U.	99	164,050	42,824	43,787	69,112	1,508	536	6,283
U. California, Santa Cruz	100	160,615	86,263	4,943	31,668	7,273	16,325	14,143
U. Alabama, Huntsville	101	149,792	116,971	4,743	26,294	688	610	486
U. Maine	102	146,801	65,249	17,875	56,407	3,612	2,857	801
U. Texas, San Antonio	103	145,362	42,952	17,629	67,130	5,196	9,854	2,601
U. North Dakota	104	143,506	58,463	34,750	41,133	8,194	740	226
U. Oregon	105	139,193	82,242	769	48,194	1,611	5,448	929
U. Alabama, Tuscaloosa	106	129,509	53,880	15,693	55,682	2,679	1,291	284
U. Rhode Island	107	129,296	78,923	7,798	37,252	2,060	2,034	1,229
U. Texas, Arlington	108	126,477	46,946	19,262	49,685	3,006	6,131	1,447
SUNY, Binghamton U.	109	124,565	23,225	6,737	89,466	3,399	962	776
U. Texas, Dallas	110	122,825	58,249	11,065	29,308	6,581	17,622	0
U. Montana, Missoula	111	121,571	70,686	907	46,982	601	2,017	378
Augusta U.	112	116,480	61,943	200	46,412	3,282	4,531	112
U. Mississippi	113	116,175	76,886	4,165	28,869	2,600	3,165	490
SUNY, U. Albany	114	114,501	56,425	1,749	49,949	573	2,735	3,070
New Mexico State U.	115	110,580	64,699	22,094	13,581	2,562	1,982	5,662
U. Tennessee, Health Science Center	116	109,562	56,021	5,433	30,132	3,708	7,514	6,754
U. Texas, El Paso	117	109,410	43,930	19,841	34,866	994	3,441	6,338
San Diego State U.	118	107,681	43,473	4,107	56,085	523	2,340	1,153
U. Idaho	119	105,895	51,021	33,391	16,337	1,794	586	2,766
U. Nevada, Las Vegas	120	101,009	27,178	2,902	67,657	905	467	1,900
U. Massachusetts, Lowell	121	94,708	48,179	4,201	36,562	3,444	1,664	658
U. Wyoming	122	93,202	54,444	4,681	26,166	6,088	1,756	67
U. Maryland, Baltimore County	123	84,418	59,882	7,220	12,334	1,860	1,979	1,143
Michigan Technological U.	124	81,715	41,505	576	30,768	7,078	422	1,366
Colorado School of Mines	125	81,443	61,421	1,351	3,657	9,036	1,990	3,988
U. North Texas, Denton	126	81,252	18,702	5,567	53,591	1,992	1,329	71
Texas State U.	127	72,510	31,116	3,949	31,792	765	4,888	0
Cleveland State U.	128	71,451	47,402	1,458	16,391	1,755	4,303	142
Northern Arizona U.	129	69,129	41,744	10,179	14,963	839	1,286	118
William & Mary	130	68,801	29,928	3,895	28,188	543	4,453	1,794

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U. Southern Mississippi	131	67,417	44,401	11,576	9,499	1,239	655	47
U. Memphis	132	67,092	21,578	7,208	34,139	814	3,142	211
Indiana U.-Purdue U., Indianapolis	133	65,330	30,290	687	27,359	1,855	4,970	169
Naval Postgraduate School	134	65,101	54,855	0	9,608	264	62	312
U. Massachusetts, Boston	135	63,723	23,673	7,113	25,532	2,222	4,829	354
Old Dominion U.	136	62,332	25,514	17,685	14,098	918	3,565	552
San Jose State U.	137	60,100	30,877	7,617	19,350	1,080	1,071	105
Florida Atlantic U.	138	58,471	28,510	5,852	13,984	2,762	4,968	2,395
U. Texas Rio Grande Valley	139	58,187	13,018	6,945	29,053	265	8,701	205
CUNY, City C.	140	57,361	34,218	9,824	11,311	691	1,045	272
U. Wisconsin-Milwaukee	141	55,664	24,397	15,783	11,939	1,596	924	1,025
Missouri U. of Science and Technology	142	54,437	26,164	172	19,872	4,007	616	3,606
U. Toledo	143	53,169	32,601	884	14,308	2,718	2,592	66
U. North Carolina, Charlotte	144	51,877	27,145	9,921	11,654	2,349	753	55
East Carolina U.	145	51,662	22,813	787	21,450	4,387	1,858	367
South Dakota State U.	146	51,542	18,607	15,713	3,929	1,304	2,820	9,169
U. Maryland Center for Environmental Science	147	51,201	14,072	25,740	8,670	496	1,636	587
U. California, Office of the President	148	50,848	653	29,282	20,864	0	0	49
U. North Texas, Health Science Center	149	50,698	32,464	9,224	6,615	1,633	626	136
Kent State U.	150	50,408	15,179	1,379	31,409	573	1,700	168
Ohio U.	151	49,764	19,164	883	24,765	3,433	1,040	479
U. South Alabama	152	47,610	23,758	345	19,099	3,466	211	731
Southern Illinois U., Carbondale	153	47,210	12,655	492	25,725	7,901	437	0
Florida A&M U.	154	47,124	36,761	5,741	3,886	566	170	0
Boise State U.	155	46,065	31,357	2,402	10,836	576	670	224
U. California, Merced	156	45,964	18,621	7,048	14,224	373	1,290	4,408
Air Force Institute of Technology	157	45,703	27,025	0	18,015	663	0	0
SUNY, Upstate Medical U.	158	44,870	24,974	2,333	9,193	4,314	2,647	1,409
Louisiana State U., Health Sciences Center, New Orleans	159	44,370	34,272	244	3,743	2,800	3,178	133
U. Puerto Rico, Medical Sciences Campus	160	44,111	33,262	1,838	6,320	2,688	0	3
Texas Tech U., Health Sciences Center	161	41,583	12,148	16,670	8,153	342	1,268	3,002
Portland State U.	162	41,311	29,842	3,576	4,722	847	1,724	600
North Carolina Agricultural and Technical State U.	163	40,751	25,755	542	14,005	149	257	43

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Georgia Southern U.	164	37,201	3,373	259	29,635	3,482	452	0
U. North Carolina, Greensboro	165	37,033	24,423	363	10,842	106	401	898
U. West Florida	166	36,837	13,313	170	22,485	614	255	0
San Francisco State U.	167	35,768	15,993	2,305	16,710	0	743	17
SUNY, Downstate Health Sciences U.	168	34,459	27,620	23	5,397	354	950	115
U. Missouri, Kansas City	169	33,855	21,203	122	9,896	451	763	1,420
CUNY, Hunter C.	170	33,816	23,166	2,359	7,156	85	471	579
U.S. Air Force Academy	171	32,086	31,818	0	200	68	0	0
Texas A&M U.-Corpus Christi	172	30,500	10,967	9,110	4,589	603	2,642	2,589
U. Puerto Rico, Rio Piedras	173	28,896	15,108	150	13,026	181	348	83
New Mexico Institute of Mining and Technology	174	28,745	24,900	631	1,654	1,236	191	133
U. Massachusetts, Dartmouth	175	28,729	8,223	1,422	16,908	1,488	513	175
SUNY, C. of Environmental Science and Forestry	176	28,440	6,979	12,203	7,152	580	752	774
U. Texas Health Science Center, Tyler	177	27,928	12,007	6,884	3,545	111	5,381	0
U. South Dakota	178	27,537	11,664	1,772	13,629	0	472	0
Louisiana Tech U.	179	27,417	6,428	2,767	15,465	937	0	1,820
Tennessee State U.	180	26,880	20,378	455	5,986	43	18	0
Rowan U.	181	26,458	17,400	4,442	2,700	677	1,239	0
Desert Research Institute	182	26,365	16,641	378	3,572	521	4,109	1,144
Wright State U.	183	26,259	19,617	584	4,999	415	582	62
California Polytechnic State U., San Luis Obispo	184	25,953	11,163	2,537	9,139	1,053	2,003	58
Western Michigan U. and Homer Stryker M.D. School of Medicine	185	25,314	13,944	1,074	7,033	1,697	547	1,019
Northern Illinois U.	186	25,261	9,080	899	14,630	155	467	30
Miami U.	187	25,138	9,412	1,610	12,023	1,249	508	336
Louisiana State U., Health Sciences Center, Shreveport	188	24,600	12,359	19	8,765	297	3,160	0
Illinois State U.	189	24,152	9,787	746	12,813	25	772	9
Rutgers, State U. New Jersey, Newark	190	23,854	16,281	573	5,723	8	879	390
U. Minnesota, Duluth	191	23,767	5,325	6,341	11,624	381	77	19
California State U., Sacramento	192	23,699	5,582	11,012	5,344	147	508	1,106
Marshall U.	193	23,620	12,854	1,040	8,589	226	911	0
Texas A&M U.-Kingsville	194	23,578	9,265	4,652	3,614	353	5,468	226
Delaware State U.	195	23,193	16,460	2,432	4,094	195	12	0
Middle Tennessee State U.	196	22,531	4,150	480	16,884	259	758	0

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Central Michigan U.	197	21,726	6,919	26	13,477	109	952	243
U. Alaska, Anchorage	198	21,332	15,079	1,631	3,747	348	356	171
U. Nebraska, central administration	199	21,295	20,675	250	0	50	250	70
Morgan State U.	200	20,628	16,319	2,782	389	225	571	342
Oakland U.	201	20,261	7,426	1,694	8,499	1,023	1,423	196
California State U., East Bay	202	20,108	9,275	1,443	7,470	1,033	349	538
U.S. Military Academy	203	19,696	13,708	0	3,980	45	268	1,695
Eastern Virginia Medical School	204	19,415	14,774	176	2,384	1,298	783	0
U. Nebraska, Omaha	205	19,006	13,503	1,855	3,125	201	177	145
Kennesaw State U.	206	18,880	3,104	619	13,722	318	1,032	85
Bowling Green State U.	207	18,619	7,263	1,333	9,178	84	754	7
East Tennessee State U.	208	18,449	8,358	20	4,902	134	4,785	250
U. Puerto Rico, Mayaguez	209	18,368	13,073	33	5,148	37	0	77
Southern Illinois U., Edwardsville	210	18,044	3,844	71	13,848	221	22	38
U. Colorado Denver ^b	211	18,039	11,866	3,047	804	493	1,671	158
Tarleton State U.	212	17,729	4,620	3,749	8,949	263	148	0
U. Guam	213	17,666	14,316	1,705	1,465	24	156	0
Prairie View A&M U.	214	17,582	9,566	4,041	3,421	115	439	0
Montclair State U.	215	17,390	4,146	543	10,479	41	2,163	18
U. Akron	216	17,340	9,024	442	4,217	2,093	653	911
U. New Orleans	217	16,979	3,674	748	10,069	372	1,159	957
U. North Carolina, Wilmington	218	16,656	6,852	5,748	2,150	867	951	88
California State U., Northridge	219	16,573	13,989	353	1,051	81	1,099	0
Jackson State U.	220	16,157	14,038	0	1,426	198	473	22
CUNY, Queens C.	221	16,063	12,386	1,241	1,776	149	425	86
U. North Florida	222	15,782	7,267	1,297	7,084	47	64	23
South Dakota School of Mines and Technology	223	15,746	11,587	1,345	1,944	569	76	225
CUNY, Advanced Science Research Center	224	15,403	11,840	357	1,943	251	702	310
Tennessee Technological U.	225	15,387	7,625	4,363	3,008	111	76	204
U. of the Virgin Islands	226	15,231	13,099	1,818	17	142	155	0
California State U., Long Beach	227	15,134	11,178	877	1,113	195	528	1,243
CUNY, Graduate School of Public Health and Health Policy	228	15,035	12,254	76	1,206	0	1,343	156
Montana Technological U.	229	14,933	6,133	5,658	2,739	402	0	1

TABLE 37

Higher education R&D expenditures at public institutions, ranked by all R&D expenditures, by source of funds: FY 2021

(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
James Madison U.	230	14,687	2,379	349	11,111	330	507	11
U. Baltimore	231	14,672	11,692	1,907	NA	0	745	328
U. Missouri, Saint Louis	232	14,632	5,812	5	5,549	96	2,804	366
Alcorn State U.	233	14,188	7,593	4,457	2,103	6	29	0
North Carolina Central U.	234	14,105	10,676	976	NA	503	844	1,106
Humboldt State U.	235	14,103	1,975	3,971	3,818	164	2,108	2,067
Idaho State U.	236	13,953	7,216	1,982	3,937	387	264	167
Northeast Ohio Medical U.	237	13,853	9,999	14	3,182	0	658	0
Western Washington U.	238	13,450	4,290	1,107	6,665	137	1,203	48
Sam Houston State U.	239	13,315	5,632	232	6,985	29	416	21
U. Hawaii, system office	240	12,918	12,688	17	213	0	0	0
CUNY, John Jay C. of Criminal Justice	241	11,791	3,519	3,037	2,521	37	2,597	80
California State U., San Bernardino	242	11,607	5,867	2,928	2,652	20	140	0
Texas Tech U., Health Sciences Center, El Paso	243	11,360	1,831	2,829	6,064	395	241	0
U. Tennessee, Chattanooga	244	11,192	4,507	705	5,296	65	223	396
Rhode Island C.	245	10,990	4,894	5,593	64	0	439	0
U.S. Naval Academy	246	10,818	10,247	0	169	0	402	0
Salisbury U.	247	10,552	3,271	3,604	3,567	8	102	0
California State U., San Marcos	248	10,213	8,831	1,110	267	0	5	0
Virginia State U.	249	10,123	4,846	2,278	2,602	0	397	0
Missouri State U.	250	10,014	8,931	196	735	132	20	0
West Texas A&M U.	251	9,920	2,195	5,258	1,554	832	31	50
California State U., Los Angeles	252	9,382	7,342	108	1,561	0	371	0
California State U., Fresno	253	9,213	4,101	1,086	2,278	186	1,232	330
Texas Southern U.	254	9,128	5,562	760	2,692	0	114	0
Alabama A&M U.	255	9,065	5,967	2,534	447	117	0	0
California State U., Fullerton	256	9,006	4,551	251	3,904	97	203	0
Ball State U.	257	8,826	2,469	266	5,153	702	236	0
Kentucky State U.	258	8,756	3,716	4,870	0	72	98	0
Central State U.	259	8,751	4,165	2,866	1,720	0	0	0
U. Arkansas, Pine Bluff	260	8,713	3,960	2,216	2,502	0	35	0
U. Maryland, Eastern Shore	261	8,636	8,346	153	10	19	0	108
Arkansas State U., Jonesboro	262	8,422	4,249	3,103	721	349	0	0

TABLE 37

Higher education R&D expenditures at public institutions, ranked by all R&D expenditures, by source of funds: FY 2021

(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. Washington, Bothell	263	8,311	2,956	86	814	0	4,386	69
Florida Gulf Coast U.	264	8,197	4,467	3,160	0	136	434	0
Winston-Salem State U.	265	8,123	4,841	1,690	NA	0	1,077	515
U. of the District of Columbia	266	8,104	6,851	1,253	0	0	0	0
William Paterson U.	267	7,867	1,893	25	5,678	11	113	147
Oklahoma State U., Center for Health Sciences	268	7,758	2,304	127	5,241	56	30	0
Lincoln U., Jefferson City	269	7,621	5,621	2,000	NA	0	0	0
U. Michigan, Dearborn	270	7,472	2,366	22	2,794	1,911	271	108
U. Hawaii, Hilo	271	7,411	5,510	53	1,260	166	421	1
U. Arkansas, Little Rock	272	7,397	6,939	79	3	139	94	143
Eastern Michigan U.	273	7,233	2,237	185	4,618	71	119	3
U. Oklahoma, Tulsa	274	7,185	1,267	493	4,182	72	696	475
California State Polytechnic U., Pomona	275	7,011	4,396	846	1,469	141	159	0
Western Kentucky U.	276	6,944	2,348	377	4,035	105	60	19
California State U., Monterey Bay	277	6,882	3,813	1,277	1,610	3	172	7
Grand Valley State U.	278	6,809	1,415	418	3,398	0	1,023	555
West Virginia State U.	279	6,565	4,119	1,566	877	0	3	0
C. Charleston	280	6,361	4,126	304	1,458	0	377	96
Langston U.	281	6,345	3,089	2	2,645	609	0	0
CUNY, Brooklyn C.	282	6,318	4,505	64	1,242	105	339	63
California State U., Bakersfield	283	6,253	3,827	215	2,160	0	51	0
Indiana U. Pennsylvania	284	6,180	1,503	331	3,718	7	607	14
Southern U. and A&M C., Agricultural Research and Extension Center	285	6,164	3,588	2,556	20	0	0	0
U. Central Oklahoma	286	5,997	1,516	644	3,761	73	3	0
Southern Connecticut State U.	287	5,750	713	90	4,245	0	473	229
Purdue U., Northwest	288	5,647	2,280	531	1,536	667	93	540
Naval War C.	289	5,542	5,542	0	0	0	0	0
Pennsylvania State U., Behrend	290	5,509	2,286	428	1,157	494	1,142	2
U. Southern Maine	291	5,480	2,020	2,903	301	0	190	66
U. Colorado Colorado Springs	292	5,338	3,942	504	338	518	36	0
Rutgers, State U. New Jersey, Camden	293	5,142	2,905	16	1,423	123	612	63
Southern U. and A&M C., Baton Rouge	294	4,943	3,770	95	374	704	0	0
Texas Woman's U.	294	4,943	1,514	1,853	893	75	608	0

TABLE 37

Higher education R&D expenditures at public institutions, ranked by all R&D expenditures, by source of funds: FY 2021

(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. North Carolina, Asheville	296	4,844	2,322	346	440	30	1,706	0
Fort Valley State U.	297	4,842	4,429	42	371	0	0	0
Lamar U.	298	4,734	1,873	2,047	65	145	500	104
U.S. Army War C.	299	4,662	4,662	0	0	0	0	0
Appalachian State U.	300	4,509	1,694	229	2,106	365	115	0
West Chester U. Pennsylvania	301	4,433	608	66	3,540	27	119	73
U. Wisconsin-Stevens Point	302	4,401	1,776	1,010	1,289	12	121	193
Norfolk State U.	303	4,316	3,976	0	0	52	35	253
Oregon Institute of Technology	304	4,314	252	3,792	NA	94	176	0
U. Washington, Tacoma	305	4,291	3,459	349	234	0	99	150
CUNY, Graduate Center	306	4,265	2,496	128	87	0	980	574
California State U., Chico	307	4,209	2,258	792	505	69	128	457
CUNY, Lehman C.	308	4,181	3,382	0	419	171	102	107
U. North Carolina, general administration	309	4,024	408	3,616	0	0	0	0
U. Central Arkansas	310	3,990	1,640	869	1,281	0	200	0
Fayetteville State U.	311	3,933	1,988	519	1,238	128	60	0
South Carolina State U.	311	3,933	3,933	NA	NA	NA	NA	NA
Murray State U.	313	3,844	2,721	21	982	120	0	0
Texas A&M U.-Commerce	314	3,827	1,283	76	2,300	8	141	19
Towson U.	315	3,794	1,758	153	1,608	42	181	52
National Defense U.	316	3,786	3,786	0	0	0	0	0
Texas A&M International U.	317	3,740	1,243	797	965	85	628	22
U. Massachusetts, central office	318	3,541	342	2,417	256	1	504	21
Kean U.	319	3,538	362	318	2,783	70	5	0
Western Illinois U.	320	3,532	3,163	4	86	176	48	55
U. Texas of the Permian Basin	321	3,504	1,762	460	522	54	706	0
SUNY, C. of Optometry	322	3,460	2,105	0	437	907	10	1
Dakota State U.	323	3,416	2,603	218	376	201	0	18
Northern Kentucky U.	324	3,403	2,156	13	774	2	458	0
U. Virginia's C. Wise	325	3,310	1,307	1,267	718	0	9	9
U. Northern Iowa	326	3,259	1,995	530	654	0	80	0
Stephen F. Austin State U.	327	3,204	1,029	1,323	543	13	164	132
U. Nebraska, Kearney	328	3,201	1,327	746	1,081	37	10	0

TABLE 37

Higher education R&D expenditures at public institutions, ranked by all R&D expenditures, by source of funds: FY 2021

(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. Northern Colorado	329	3,159	1,942	46	945	8	218	0
U. Wisconsin-La Crosse	330	3,001	895	862	807	365	63	9
Colorado State U., Pueblo	331	2,990	1,508	1,244	201	0	0	37
Sonoma State U.	332	2,957	2,212	366	261	69	49	0
Pennsylvania State U., Harrisburg	333	2,938	1,616	340	525	191	211	55
CUNY, C. Staten Island	334	2,860	2,234	165	277	0	76	108
Western Carolina U.	335	2,847	1,697	309	655	137	49	0
Northwest Indian C.	336	2,806	2,621	0	32	0	153	0
California State U., Maritime Academy	337	2,799	548	131	18	2,102	0	0
Youngstown State U.	338	2,775	2,198	206	278	77	16	0
Austin Peay State U.	339	2,740	597	1,263	859	0	12	9
Pittsburg State U.	340	2,730	759	1,001	NA	969	1	0
California State U., Dominguez Hills	341	2,690	2,001	19	670	0	0	0
Christopher Newport U.	342	2,656	1,497	2	919	89	149	0
Alabama State U.	343	2,631	2,338	0	0	287	6	0
U. Illinois, Springfield	344	2,612	1,071	670	839	0	32	0
U. Wisconsin-Superior	345	2,602	1,843	148	490	16	42	63
Winthrop U.	346	2,586	1,495	351	632	3	105	0
CUNY, Baruch C.	347	2,521	1,691	0	531	0	204	95
Purdue U., Fort Wayne	348	2,495	401	513	818	141	50	572
Saginaw Valley State U.	349	2,428	1,899	0	394	5	114	16
Central Washington U.	350	2,410	1,778	185	346	55	46	0
Framingham State U.	351	2,401	188	0	0	81	2,132	0
St. Cloud State U.	352	2,379	577	429	725	403	245	0
California State U., Channel Islands	353	2,341	993	611	542	186	9	0
U. Texas, Tyler	354	2,279	929	153	649	238	252	58
Coastal Carolina U.	355	2,245	948	864	391	0	42	0
U. Louisiana, Monroe	356	2,198	1,465	569	8	0	156	0
Minnesota State U., Mankato	357	2,170	575	154	1,147	0	184	110
Sul Ross State U.	358	2,143	505	130	123	26	810	549
Grambling State U.	359	2,124	731	595	798	0	0	0
California State U., Stanislaus	360	2,085	1,354	104	112	504	11	0
SUNY, Geneseo	361	2,070	1,273	10	780	0	7	0

TABLE 37

Higher education R&D expenditures at public institutions, ranked by all R&D expenditures, by source of funds: FY 2021

(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
Citadel Military C. South Carolina	362	2,054	1,714	53	174	80	27	6
U. South Carolina, Aiken	363	2,042	1,884	0	154	0	4	0
SUNY, Buffalo State	364	1,962	977	682	210	24	64	5
Fort Lewis C.	365	1,926	1,746	14	124	42	0	0
Eastern Washington U.	366	1,921	775	965	NA	20	109	52
Northeastern Illinois U.	367	1,913	1,913	0	0	0	0	0
C. New Jersey	368	1,912	1,079	56	327	57	393	0
U. Puerto Rico, Cayey	369	1,881	1,202	0	539	11	129	0
U. Wisconsin-Green Bay	370	1,879	876	441	454	25	83	0
U. Wisconsin-Eau Claire	371	1,852	909	410	308	83	139	3
U. Houston-Downtown	372	1,828	1,169	72	215	0	372	0
Savannah State U.	373	1,804	1,804	0	0	0	0	0
Morehead State U.	374	1,754	1,727	3	12	11	1	0
Southeastern Louisiana U.	375	1,723	795	55	663	197	13	0
Elizabeth City State U.	376	1,717	1,603	52	NA	62	0	0
U. Houston-Clear Lake	377	1,716	865	620	80	107	44	0
CUNY, system office	378	1,664	768	363	105	68	360	0
Northwestern State U. Louisiana	379	1,663	738	634	291	0	0	0
U. Wisconsin-Oshkosh	380	1,656	1,083	94	415	31	33	0
Eastern Connecticut State U.	381	1,646	108	9	1,529	0	0	0
Troy U.	382	1,548	1,488	0	35	25	0	0
U. North Georgia	383	1,415	497	3	693	1	221	0
Bowie State U.	384	1,398	1,398	0	0	0	0	0
CUNY, New York City C. of Technology	385	1,367	1,197	0	129	31	0	10
Northern Michigan U.	386	1,364	366	8	769	0	127	94
U. Puerto Rico, Humacao	387	1,321	1,137	0	184	0	0	0
Central Connecticut State U.	388	1,314	663	254	390	0	7	0
Black Hills State U.	389	1,280	1,124	76	80	0	0	0
SUNY, C. Plattsburgh	389	1,280	824	61	358	0	32	5
Florida Polytechnic U.	391	1,269	459	91	606	89	17	7
West Virginia School of Osteopathic Medicine	392	1,255	423	31	801	0	0	0
Stockton U.	393	1,246	486	147	572	0	41	0
U. Alaska, Southeast	394	1,176	1,046	30	35	4	54	7

TABLE 37

Higher education R&D expenditures at public institutions, ranked by all R&D expenditures, by source of funds: FY 2021

(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. Wisconsin-Platteville	395	1,144 i	353 i	294 i	194 i	264 i	30 i	9 i	
CUNY, York C.	396	1,133	922	0	168	0	43	0	
New Mexico Highlands U.	397	1,129 i	1,085 i	0 i	0 i	0 i	44 i	0 i	
U. of Mary Washington	398	1,123	485	100	480	2	25	31	
SUNY, C. Brockport	399	1,114	500	211	268	32	74	29	
Indiana State U.	400	1,042	582	244	135	68	13	0	
SUNY, Oswego	401	1,003	415	81	439	42	14	12	
U. Wisconsin-River Falls	402	999	212	588	3	141	0	55	
Eastern Kentucky U.	403	986	530	76	351	0	29	0	
U. Hawaii, Maui C.	404	967	951	0	16	0	0	0	
Keene State C.	405	919	894	0	25	0	0	0	
Indiana U., South Bend	406	898	337	0	423	0	138	0	
Albany State U.	407	880	552	203	0	125	0	0	
U. Minnesota, Morris	408	855	162	170	502	0	21	0	
American Samoa Community C.	409	815	815	0	0	0	0	0	
Fort Hays State U.	410	800	482	37	185	48	6	42	
U. Michigan, Flint	411	752	113	0	367	203	38	31	
Jacksonville State U.	412	275	245	0	30	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.

^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 2021.