

TABLE 28

Higher education R&D expenditures funded by businesses, ranked by all R&D expenditures, by R&D field: FY 2020

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
All institutions	-	5,184,925	156,246	84,585	3,388,718	13,335	170,038	15,469	49,205	32,902	1,129,319	145,108
Duke U.	1	205,719	85	265	196,378	233	295	9	488	0	4,429	3,537
Massachusetts Institute of Technology	2	200,722	31,241	2,620	14,956	1,780	25,025	0	5,046	11,988	75,246	32,820
U. Texas M. D. Anderson Cancer Center	3	194,528	0	0	192,432	317	1,623	18	138	0	0	0
U. Pennsylvania	4	176,969	846	0	173,416	0	1,062	189	153	0	1,190	113
Ohio State U.	5	150,235	4,730	82	100,001	56	818	0	549	358	42,711	930
SUNY, Polytechnic Institute	6	139,125	0	0	15	0	0	0	0	0	139,110	0
U. California, San Francisco	7	120,488	0	0	115,273	0	5,215	0	0	0	0	0
Stanford U.	8	114,967	9,785	800	77,388	92	5,063	336	769	0	20,597	137
U. California, San Diego	9	109,943	217	8,685	82,763	0	2,151	809	15	502	14,573	228
Johns Hopkins U. ^a	10	105,906	310	374	96,919	92	945	0	73	444	6,281	468
U. Michigan, Ann Arbor	11	96,044	659	86	55,469	349	1,740	65	1,091	0	35,816	769
Washington U., Saint Louis	12	93,981	235	0	91,414	0	111	52	2	0	341	1,826
U. California, Los Angeles	13	82,905	1,515	440	66,005	181	1,547	0	65	222	10,150	2,780
Wichita State U.	14	81,356	0	0	125	0	29	0	0	0	74,565	6,637
U. California, Berkeley	15	81,265	1,303	362	14,770	341	7,359	850	3,486	9,439	40,404	2,951
U. Louisiana, Lafayette	16	78,591	3,431	1,444	59,034	338	230	7	0	0	12,156	1,951
U. Texas, Austin	17	77,789	1,698	13,927	10,237	467	2,074	13	763	120	34,344	14,146
Columbia U. in the City of New York	18	77,105	1,306	4,779	67,181	0	321	90	0	0	3,052	376
Purdue U., West Lafayette	19	75,499	1,824	42	16,180	198	7,583	19	715	1	45,086	3,851
Yale U.	20	72,714	201	0	68,698	0	912	0	293	0	1,627	983
Vanderbilt U. and Vanderbilt U. Medical Center	21	70,229	0	87	67,062	0	115	104	320	0	1,896	645
Georgia Institute of Technology	22	63,120	5,096	141	5,395	0	1,240	0	1,058	0	49,104	1,086
Icahn School of Medicine at Mount Sinai	23	61,137	0	0	61,137	0	0	0	0	0	0	0
Rutgers, State U. New Jersey, New Brunswick	24	60,291	15	296	55,773	0	2,118	408	70	0	1,494	117
U. Alabama, Birmingham	25	58,758	36	259	55,688	0	0	0	0	0	2,741	34
U. Washington, Seattle	26	57,698	1,490	399	45,115	0	489	148	10	0	9,804	243
Cornell U.	27	56,706	2,150	0	47,034	0	2,142	143	9	0	4,378	850
U. California, Davis	28	54,246	1,073	629	40,146	186	1,290	0	842	0	9,019	1,061
Emory U.	29	54,236	135	30	53,230	313	256	0	0	0	270	2
North Carolina State U.	30	53,302	746	1,587	22,847	914	792	608	963	889	18,353	5,603
Northwestern U.	31	52,440	1,378	0	43,815	0	1,125	0	786	960	4,032	344

TABLE 28

Higher education R&D expenditures funded by businesses, ranked by all R&D expenditures, by R&D field: FY 2020

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
New York U.	32	51,010	745	19	41,893	784	316	544	2,076	0	1,359	3,274
U. Colorado Denver and Anschutz Medical Campus	33	50,627	18	0	49,880	0	0	241	38	0	449	1
U. North Carolina, Chapel Hill	34	49,974	380	197	47,110	0	1,496	0	228	0	451	112
Harvard U.	35	49,561	1,518	1,926	34,401	69	4,768	0	1,148	217	4,982	532
U. Minnesota, Twin Cities	36	48,857	90	16	39,578	229	1,847	187	678	78	5,666	488
U. Southern California	37	43,425	1,003	0	37,409	0	1,164	0	1,183	0	1,781	885
Virginia Polytechnic Institute and State U.	38	39,857	833	1	7,049	293	833	81	277	0	29,465	1,025
Oregon Health and Science U.	39	38,692	0	0	38,620	0	0	0	0	0	72	0
U. Cincinnati	40	38,587	0	0	32,285	44	415	21	103	594	4,659	466
U. Texas Southwestern Medical Center	41	38,500	0	0	38,500	0	0	0	0	0	0	0
U. Utah	42	38,458	798	781	33,743	0	174	930	183	0	1,665	184
U. Florida	43	37,922	188	0	30,541	0	1,356	196	61	0	5,022	558
U. Chicago	44	36,343	35	0	33,957	0	892	0	10	0	1,449	0
U. Illinois, Urbana-Champaign	45	36,178	10,031	213	11,977	26	2,015	362	0	30	10,805	719
Carnegie Mellon U.	46	36,121	29,236	0	164	0	257	0	209	0	6,252	3
Texas A&M U., College Station and Health Science Center	47	35,783	198	883	9,223	151	1,450	0	199	3	19,058	4,618
U. Miami	48	34,249	0	385	33,272	0	0	0	278	0	314	0
U. California, Irvine	49	33,033	989	136	23,548	0	2,483	550	43	0	5,272	12
U. Rochester	50	30,271	0	0	26,108	0	2,565	279	0	748	571	0
SUNY, U. Buffalo	51	29,881	150	0	14,821	0	256	0	188	0	14,224	242
U. Virginia, Charlottesville	52	29,798	565	0	21,557	0	432	326	294	95	6,323	206
U. Pittsburgh, Pittsburgh	53	29,764	28	55	28,866	0	56	0	2	0	681	76
U. Wisconsin-Madison	54	29,589	308	455	21,535	12	1,884	215	19	836	4,241	84
Pennsylvania State U., University Park and Hershey Medical Center	55	29,131	938	375	11,055	162	3,704	270	546	0	10,604	1,477
U. Maryland ^b	56	28,881	1,025	407	21,294	0	625	0	289	504	4,630	107
U. Iowa	57	28,073	25	0	24,195	0	320	3	237	0	2,727	566
Indiana U., Bloomington	58	26,506	437	181	24,190	90	965	12	203	230	98	100
Baylor C. of Medicine	59	24,991	0	0	24,991	0	0	0	0	0	0	0
Medical C. Wisconsin	60	24,973	0	0	24,973	0	0	0	0	0	0	0
U. Arizona	61	23,040	124	817	15,425	11	2,742	3	92	0	3,671	155
U. California, Santa Barbara	62	22,578	762	4,822	958	0	4,007	147	137	0	11,745	0
Boston U.	63	22,430	1,695	0	17,743	0	484	106	0	22	2,314	66

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Higher education R&D expenditures funded by businesses, ranked by all R&D expenditures, by R&D field: FY 2020

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Scripps Research Institute	64	22,386	0	0	22,386	0	0	0	0	0	0	0
U. Kansas	65	22,089	0	369	19,752	0	71	76	13	0	1,750	58
Thomas Jefferson U.	66	20,915	0	0	20,883	0	0	2	0	0	30	0
Medical U. South Carolina	67	20,747	0	0	20,747	0	0	0	0	0	0	0
Princeton U.	68	19,932	2,831	2,570	2,362	749	3,545	1	1,456	0	6,413	5
U. Nebraska, Lincoln	69	19,215	60	45	13,308	40	957	0	76	128	4,456	145
California Institute of Technology	70	18,366	1,117	763	478	0	10,507	0	0	0	5,501	0
Georgetown U.	71	18,307	0	0	17,214	0	62	3	233	0	0	795
Iowa State U.	72	18,149	49	115	6,465	216	188	0	745	3	10,057	311
Arizona State U.	73	18,148	1,421	74	1,931	3	590	64	615	1,768	10,224	1,458
Clemson U.	74	18,120	285	0	3,040	13	251	15	121	0	11,061	3,334
Temple U.	75	17,721	0	0	17,178	0	44	61	0	0	207	231
U. Oklahoma, Norman and Health Science Center	76	17,698	83	1,099	12,881	0	141	7	156	0	3,298	33
U. Texas Health Science Center, Houston	77	16,479	0	0	16,479	0	0	0	0	0	0	0
Rensselaer Polytechnic Institute	78	15,594	4,405	96	3	1,027	1,629	604	0	0	7,334	496
U. South Florida, Tampa	79	15,525	47	93	14,307	0	81	49	39	0	866	43
U. Massachusetts, Medical School	80	15,073	0	0	15,073	0	0	0	0	0	0	0
U. Illinois, Chicago	81	14,766	293	0	13,920	0	0	3	0	0	549	1
U. Missouri, Columbia	82	13,749	82	0	12,210	0	245	0	0	0	1,055	157
Washington State U.	83	13,458	37	147	10,761	0	446	157	204	0	1,561	145
Colorado State U., Fort Collins	84	13,406	39	538	9,435	0	837	0	43	86	2,428	0
Wake Forest U.	85	13,228	0	0	12,855	0	0	0	19	0	0	354
Michigan State U.	86	13,141	605	0	5,779	72	753	6	73	18	3,971	1,864
U. Arkansas for Medical Sciences	87	12,826	0	0	12,826	0	0	0	0	0	0	0
Rush U.	88	12,732	0	0	12,732	0	0	0	0	0	0	0
Virginia Commonwealth U.	89	12,699	10	36	11,903	9	71	3	0	0	634	33
U. Central Florida	90	12,418	1,892	520	1,101	135	4,755	4	388	247	2,924	452
Texas Tech U.	91	11,588	172	541	3,583	94	573	620	1,053	0	2,321	2,631
U. Louisville	92	11,584	0	0	10,382	0	294	0	0	0	894	14
U. North Dakota	93	11,419	1	87	72	0	7	0	0	0	11,233	19
U. Connecticut	94	11,409	559	69	4,240	264	733	858	52	0	4,543	91
Louisiana State U., Baton Rouge	95	10,461	165	658	6,109	59	548	58	158	9	2,240	457

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Tufts U.	96	10,162	0	128	6,921	2	10	0	333	29	2,198	541
Colorado School of Mines	97	10,072	208	2,223	239	0	352	0	25	0	5,037	1,988
U. Nebraska, Medical Center	97	10,072	0	0	10,072	0	0	0	0	0	0	0
U. Kentucky	99	9,985	134	341	8,546	10	146	0	0	0	799	9
U. Colorado Boulder	100	9,942	186	341	892	0	1,957	0	68	2	6,052	444
Oklahoma State U., Stillwater	101	9,807	59	34	7,222	0	45	18	689	0	1,740	0
U. Tulsa	102	9,732	0	37	0	0	0	66	0	0	9,629	0
U. Georgia	103	9,490	17	186	8,014	5	81	141	240	0	707	99
Northeastern U.	104	9,060	612	93	2,800	0	757	146	204	0	4,273	175
Rice U.	105	8,851	274	2	95	988	2,847	43	69	0	4,533	0
U. California, Santa Cruz	106	8,701	724	678	1,230	2	560	6	545	10	4,882	64
U. New Hampshire	107	8,430	0	823	581	0	108	0	998	0	5,919	1
U. Texas Health Science Center, San Antonio	108	8,048	0	0	8,048	0	0	0	0	0	0	0
U. Houston	109	8,034	108	1,650	643	0	40	179	47	10	2,539	2,818
George Mason U.	110	7,972	202	165	964	177	35	173	2,369	0	474	3,413
Utah State U.	111	7,961	8	0	683	0	584	29	25	0	6,632	0
U. Massachusetts, Amherst	112	7,702	1,709	98	1,077	2	167	226	109	65	4,030	219
U. Tennessee, Knoxville ^c	113	7,580	109	10	2,336	0	157	0	17	45	4,905	1
Oregon State U.	114	7,387	115	55	3,054	0	21	51	42	56	3,993	0
Southern Illinois U., Carbondale	115	6,777	70	6	5,438	0	19	19	1	70	1,154	0
U. Delaware	116	6,740	17	913	909	12	985	0	76	217	3,611	0
Auburn U., Auburn	117	6,700	4	9	3,037	0	196	0	0	1	3,098	355
Michigan Technological U.	118	6,661	67	1,236	291	0	179	0	0	0	4,888	0
U. Arkansas, Fayetteville	119	6,648	56	191	3,715	0	1	47	31	10	2,217	380
Kansas State U.	120	6,594	8	0	5,682	0	27	2	4	9	860	2
U. Texas, Dallas	121	6,496	891	109	50	53	272	0	0	0	5,081	40
U. California, Riverside	122	6,288	532	195	2,054	53	322	0	228	4	2,900	0
U. Notre Dame	123	6,212	514	0	214	9	242	0	19	84	5,130	0
West Virginia U.	124	6,077	26	94	3,377	0	11	0	13	0	2,556	0
U. Texas, Arlington	125	5,989	332	9	575	28	446	56	0	0	3,667	876
U. Texas Medical Branch	126	5,832	0	0	5,832	0	0	0	0	0	0	0
U. Texas, San Antonio	127	5,703	459	39	734	133	899	2	552	0	735	2,150

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Wayne State U.	127	5,703	111	0	3,844	0	612	1	66	144	719	206
Tulane U.	129	5,589	0	106	5,239	0	144	0	0	0	100	0
Mercer U.	130	5,452	0	0	784	0	0	0	2	0	4,651	15
U. Dayton	131	5,439	781	0	0	0	1	0	0	0	4,657	0
SUNY, Stony Brook U.	132	5,307	265	32	3,025	25	392	0	0	506	1,062	0
Case Western Reserve U.	133	5,185	0	0	3,375	0	181	0	0	0	1,567	62
Rockefeller U.	134	5,110	0	0	5,110	0	0	0	0	0	0	0
Missouri U. of Science and Technology	135	4,604	7	0	0	0	124	0	0	0	4,471	2
George Washington U.	136	4,596	34	0	3,266	0	0	0	199	0	375	722
U. Wyoming	137	4,519	40	1,072	732	11	15	0	10	15	2,620	4
Syracuse U.	138	4,516	36	36	0	0	113	1	14	0	189	4,127
U. Southern Mississippi	139	4,399	0	2,367	769	0	1,239	0	8	0	0	16
Saint Louis U.	140	4,362	10	0	4,217	0	0	0	0	0	31	104
Dartmouth C. and Dartmouth Hitchcock Medical Center	141	4,359	132	0	3,323	0	122	5	20	15	742	0
Ohio U.	142	4,349	324	90	167	0	40	1	21	0	3,666	40
Albert Einstein C. of Medicine	143	4,286	0	0	4,286	0	0	0	0	0	0	0
Georgia Southern U.	144	4,075	0	3	5	0	3,825	0	0	0	233	9
U. Toledo	144	4,075	0	0	2,813	0	136	94	0	0	694	338
U. South Carolina, Columbia	146	4,050	0	0	752	0	44	0	62	0	3,130	62
New York Medical C.	147	4,039	0	0	4,039	0	0	0	0	0	0	0
Worcester Polytechnic Institute	148	4,003	745	0	85	0	25	0	0	0	3,148	0
Albany Medical C.	149	3,954	0	0	3,954	0	0	0	0	0	0	0
U. Akron	150	3,898	0	10	181	0	1,049	1	0	0	2,549	108
U. Nevada, Reno	151	3,807	173	68	2,693	0	90	38	0	0	745	0
U. New Mexico	152	3,733	0	0	3,100	0	0	6	30	0	597	0
Brown U.	153	3,634	307	0	1,670	0	159	0	38	0	1,339	121
U. Vermont	154	3,617	33	0	3,221	3	0	0	0	0	360	0
SUNY, Binghamton U.	155	3,588	118	0	278	0	358	12	381	0	2,437	4
U. Puerto Rico, Medical Sciences Campus	156	3,551	0	0	3,551	0	0	0	0	0	0	0
Mississippi State U.	157	3,477	2	447	1,691	0	479	0	2	0	856	0
Loyola U., Chicago	158	3,384	0	0	3,384	0	0	0	0	0	0	0
East Carolina U.	159	3,363	0	41	3,114	0	111	42	0	0	44	11

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U. Tennessee, Health Science Center	160	3,353	0	0	3,353	0	0	0	0	0	0	0
Brigham Young U., Provo	161	3,273	40	149	371	0	921	23	0	0	1,769	0
U. Massachusetts, Lowell	162	3,263	82	21	498	0	377	0	0	0	2,268	17
Drexel U.	163	3,203	7	0	1,429	0	0	0	0	0	1,760	7
Embry-Riddle Aeronautical U.	164	3,151	0	165	0	0	122	0	278	0	2,500	86
Augusta U.	165	3,018	0	0	3,012	0	6	0	0	0	0	0
New Jersey Institute of Technology	166	3,013	224	0	1,746	0	20	0	168	0	855	0
U. Maine	167	3,005	0	252	795	0	6	10	50	0	1,882	10
U. Rhode Island	168	2,892	0	439	600	0	449	370	144	95	709	86
U. Alaska, Fairbanks	169	2,774	39	1,272	727	0	9	0	16	64	647	0
Florida Atlantic U.	170	2,729	133	7	2,198	36	35	40	0	0	280	0
Howard U.	171	2,721	18	0	1,317	0	0	300	246	0	655	185
U. Hawaii, Manoa	172	2,623	23	832	330	0	29	0	785	228	396	0
U. Idaho	173	2,581	298	72	867	0	42	71	0	0	1,049	182
Milwaukee School of Engineering	174	2,575	0	0	0	0	85	0	0	0	2,490	0
U. Alabama, Tuscaloosa	175	2,525	0	44	346	0	88	0	632	0	1,096	319
U. Mississippi	176	2,425	0	0	2,370	0	4	0	2	0	40	9
Montana State U., Bozeman	177	2,392	0	0	721	0	1,024	0	51	0	596	0
Rochester Institute of Technology	177	2,392	140	0	0	22	420	0	25	0	1,744	41
California State U., Maritime Academy	179	2,345	0	0	0	0	0	0	0	0	2,345	0
Florida International U.	180	2,271	25	72	673	0	95	51	25	0	1,322	8
U. Michigan, Dearborn	181	2,262	0	0	0	0	0	0	0	0	2,262	0
Southern Methodist U.	182	2,250	35	600	0	0	23	0	0	0	1,401	191
Woods Hole Oceanographic Institution	183	2,223	0	1,636	0	0	0	0	0	0	587	0
Indiana U.-Purdue U., Indianapolis	184	2,214	78	2	1,067	0	30	6	475	0	554	2
Florida State U.	185	2,177	7	326	704	0	229	1	65	38	807	0
Cleveland State U.	186	2,166	0	0	1,177	0	0	0	41	0	948	0
CUNY, John Jay C. of Criminal Justice	187	2,159	0	0	0	0	0	720	0	0	0	1,439
SUNY, Upstate Medical U.	188	2,141	0	0	2,141	0	0	0	0	0	0	0
U. North Carolina, Charlotte	189	2,133	169	55	61	0	277	6	0	0	1,507	58
Louisiana State U., Health Sciences Center, New Orleans	190	2,109	0	0	2,109	0	0	0	0	0	0	0
U. Massachusetts, Boston	191	2,075	3	0	19	0	0	204	219	0	159	1,471

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South Dakota State U.	192	1,879	0	0	1,613	112	12	0	0	0	142	0
North Dakota State U.	193	1,865	0	0	1,140	0	166	0	5	52	502	0
Loma Linda U.	194	1,857	0	0	1,857	0	0	0	0	0	0	0
Western Michigan U. and Homer Stryker M.D. School of Medicine	195	1,778	0	10	458	0	0	0	0	0	1,293	17
New Mexico State U.	196	1,644	91	22	732	0	175	0	0	0	624	0
U. North Texas, Denton	197	1,619	53	66	599	0	671	0	0	0	222	8
Illinois Institute of Technology	198	1,562	92	0	736	9	295	0	0	0	429	1
U. Denver	199	1,521	0	0	0	0	0	0	0	0	1,521	0
U. South Alabama	200	1,511	0	13	1,355	0	0	31	13	0	49	50
U. Wisconsin-Milwaukee	201	1,508	0	3	214	0	29	240	961	0	53	8
Texas Christian U.	202	1,493	0	0	462	0	124	0	13	0	38	856
Clarkson U.	203	1,483	19	0	134	15	157	0	10	0	1,136	12
U. North Texas, Health Science Center	204	1,463	0	0	1,463	0	0	0	0	0	0	0
Baylor U.	205	1,395	369	24	60	0	103	12	0	0	489	338
Stevens Institute of Technology	206	1,356	0	34	0	37	134	0	0	1	1,030	120
U. Massachusetts, Dartmouth	207	1,354	0	1,299	0	0	55	0	0	0	0	0
Portland State U.	208	1,321	129	0	145	184	0	0	28	0	831	4
Nova Southeastern U.	209	1,309	0	1,036	272	0	0	0	0	0	0	1
California Polytechnic State U., San Luis Obispo	210	1,280	49	0	655	0	87	0	17	0	361	111
U. Maryland, Baltimore County	211	1,271	867	84	93	0	51	11	0	0	160	5
Eastern Virginia Medical School	212	1,244	0	0	1,244	0	0	0	0	0	0	0
SUNY, C. of Optometry	213	1,233	0	0	1,233	0	0	0	0	0	0	0
Toyota Technological Institute, Chicago	214	1,230	1,230	0	0	0	0	0	0	0	0	0
Cold Spring Harbor Laboratory	215	1,222	0	0	1,222	0	0	0	0	0	0	0
Creighton U.	216	1,207	32	21	870	9	62	13	77	0	0	123
U. Texas, El Paso	217	1,162	223	260	37	0	0	0	0	0	367	275
U. Nevada, Las Vegas	218	1,149	0	28	11	0	188	0	53	0	567	302
Alaska Pacific U.	219	1,100	0	1,100	0	0	0	0	0	0	0	0
Pittsburg State U.	220	1,085	0	0	0	0	0	0	33	0	1,052	0
CUNY, City C.	221	1,068	185	0	0	0	112	0	0	0	771	0
Teachers C., Columbia U.	222	1,038	0	0	35	0	0	7	996	0	0	0
Marquette U.	223	1,027	28	0	211	19	0	17	0	0	752	0

TABLE 28

Higher education R&D expenditures funded by businesses, ranked by all R&D expenditures, by R&D field: FY 2020

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
U. Memphis	224	998	0	0	340	0	0	9	60	0	449	140
Old Dominion U.	225	990	11	9	387	0	20	11	0	0	550	2
Southern Illinois U., Edwardsville	226	989	0	19	824	0	2	0	39	0	102	3
Oregon Institute of Technology	227	976	9 i	63 i	414 i	19 i	0 i	30 i	0 i	0 i	119 i	322 i
U. Alabama, Huntsville	228	970	4	0	87	0	52	0	0	0	788	39
U. Missouri, Kansas City	229	964	16	0	800	0	50	15	0	0	83	0
Rosalind Franklin U. of Medicine and Science	230	958	0	0	958	0	0	0	0	0	0	0
Miami U.	231	957	3	29	530	36	0	0	39	0	188	132
Florida Institute of Technology	232	922	402	33	0	0	5	60	0	0	422	0
San Jose State U.	233	914	10	146	0	0	0	0	0	0	699	59
Louisiana Tech U.	234	903	11	0	42	0	121	1	0	0	724	4
New Mexico Institute of Mining and Technology	235	881	19	26	0	3	13	0	0	0	820	0
Boston C.	236	872	0	5	62	0	437	0	300	0	0	68
U. of the Sciences Philadelphia	237	850	0	0	845	0	5	0	0	0	0	0
U. Minnesota, Duluth	238	845	0	0	632	0	197	0	0	0	16	0
Albany C. of Pharmacy and Health Sciences	239	841	0	0	841	0	0	0	0	0	0	0
San Diego State U.	240	836	14	21	283	0	1	206	0	0	294	17
Rowan U.	241	818	57	0	218	0	164	0	0	0	379	0
Montana Technological U.	242	810	0	267	102	0	0	0	0	0	441	0
West Texas A&M U.	243	805	4	0	366	0	0	0	0	0	435	0
U.S. Air Force Academy	244	802	0	0	0	0	0	0	0	0	0	802
William & Mary	245	795	59	404	117	0	49	0	55	0	0	111
Texas State U.	246	792	0	26	146	0	4	0	174	97	310	35
Rutgers, State U. New Jersey, Newark	247	778	0	0	778	0	0	0	0	0	0	0
Purdue U., Northwest	248	759	3	0	11	0	0	0	0	0	722	23
Lehigh U.	249	758	2	0	4	0	182	0	0	0	565	5
U. Colorado Colorado Springs	250	744	0	0	62	0	50	0	0	204	427	1
U. West Florida	251	741	1	31	40	3	0	0	478	0	0	188
Pennsylvania State U., Behrend	252	718	71	1	1	1	2	0	0	0	642	0
Texas A&M U.-Corpus Christi	253	716	0	305	0	0	0	0	0	0	411	0
U. Puerto Rico, Mayaguez	254	712	0	244	6	0	173	0	2	0	275	12
SUNY, U. Albany	255	705	137	403	165	0	0	0	0	0	0	0

TABLE 28

Higher education R&D expenditures funded by businesses, ranked by all R&D expenditures, by R&D field: FY 2020

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
South Dakota School of Mines and Technology	256	699	0	0	0	0	0	0	0	0	699	0
Texas A&M U.-Kingsville	257	692	0	0	504	0	0	0	0	0	188	0
SUNY, C. of Environmental Science and Forestry	258	663	0	0	570	0	0	0	0	0	48	45
Claremont Graduate U.	259	657	109	0	0	0	0	104	322	0	0	122
Western U. of Health Sciences	260	635	0	0	609	0	0	0	0	0	0	26
California State U., Long Beach	261	617	0	0	4	0	45	0	125	0	410	33
Chapman U.	262	616	0	0	492	0	0	0	0	0	58	66
Kennesaw State U.	263	606	377	0	131	0	3	15	0	0	80	0
Wright State U.	263	606	3	0	374	0	8	0	0	0	221	0
Ball State U.	265	605	575	0	13	0	0	0	0	0	0	17
Kettering U.	266	591	0	0	9	0	33	0	0	0	539	10
U. Maryland Center for Environmental Science	267	589	2	283	304	0	0	0	0	0	0	0
Kent State U.	268	576	17	20	4	0	167	142	11	20	141	54
Georgia State U.	269	575	103	9	331	0	11	62	8	0	0	51
U. North Carolina, Wilmington	270	569	0	40	211	0	22	0	34	0	226	36
U. California, Merced	271	558	0	24	148	0	30	0	0	0	356	0
U. Montana, Missoula	272	556	0	33	479	0	36	0	8	0	0	0
Florida A&M U.	273	550	0	0	521	0	0	0	0	0	29	0
U. of St. Thomas (MN)	273	550	0	0	0	2	16	0	0	0	532	0
U. New Orleans	275	549	0	0	0	0	230	8	55	0	256	0
St. Cloud State U.	276	536	11	2	108	0	1	0	66	0	48	300
Northern Arizona U.	277	523	16	0	207	0	0	0	0	0	300	0
American U.	278	513	0	0	0	0	10	0	478	0	0	25
Marshall U.	279	489	0	0	453	0	5	0	0	0	31	0
Naval Postgraduate School	280	485	139	0	0	0	89	0	0	123	134	0
Midwestern U.	281	481	0	0	481	0	0	0	0	0	0	0
California State U., Fresno	282	455	0	0	305	0	23	0	0	0	127	0
U. Texas Rio Grande Valley	282	455	0	0	342	0	0	0	0	0	104	9
U. Wisconsin-La Crosse	282	455	0	0	91	0	4	0	350	0	0	10
Pacific U.	285	447	0	0	447	0	0	0	0	0	0	0
U. Alaska, Anchorage	286	446	0	188	174	0	0	0	0	68	16	0
U. of Health Sciences and Pharmacy in St. Louis	287	431	0	0	431	0	0	0	0	0	0	0

TABLE 28

Higher education R&D expenditures funded by businesses, ranked by all R&D expenditures, by R&D field: FY 2020

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
CUNY, Graduate School of Public Health and Health Policy	288	416	0	0	416	0	0	0	0	0	0	0
Desert Research Institute	289	415	0	415	0	0	0	0	0	0	0	0
Catholic U. of America	290	411	0	0	115	0	14	0	2	0	134	146
Van Andel Research Institute	291	409	0	0	409	0	0	0	0	0	0	0
CUNY, New York City C. of Technology	292	404	0	0	0	404	0	0	0	0	0	0
California State U., Stanislaus	293	399	0	0	396	0	0	0	0	0	0	3
U. New Haven	294	390	40	0	0	0	134	0	84	0	132	0
Southern U. and A&M C., Baton Rouge	295	389	13	0	0	5	60	0	311	0	0	0
Boise State U.	296	378	0	17	35	0	88	0	0	0	238	0
U. Michigan, Flint	297	366	0	0	4	0	0	0	0	0	362	0
Babson C.	298	358	0	0	0	0	0	0	0	0	0	358
Texas Tech U., Health Sciences Center	299	357	0	0	338	0	0	0	0	0	0	19
Villanova U.	300	350	1	0	0	0	0	0	0	0	349	0
Marshall B. Ketchum U.	301	349	0	0	349	0	0	0	0	0	0	0
Middle Tennessee State U.	302	345	4	9	320	4	0	0	7	0	0	1
California State Polytechnic U., Pomona	303	344	46	0	204	0	0	0	0	0	94	0
U. North Carolina, Greensboro	303	344	0	0	108	0	206	0	30	0	0	0
Louisiana State U., Health Sciences Center, Shreveport	305	340	0	0	340	0	0	0	0	0	0	0
East Tennessee State U.	306	334	0	0	333	0	1	0	0	0	0	0
Tarleton State U.	306	334	0	0	10	324	0	0	0	0	0	0
Liberty U.	308	316	0	0	16	0	0	0	0	0	300	0
Alfred U.	309	314	0	0	0	0	0	0	0	0	314	0
Oakland U.	310	313	124	0	37	0	39	0	7	0	101	5
SUNY, Downstate Medical Center	311	305	0	0	305	0	0	0	0	0	0	0
Occidental C.	312	303	0	303	0	0	0	0	0	0	0	0
Bradley U.	313	301	0	0	10	0	56	0	0	0	235	0
Tennessee Technological U.	314	299	0	0	18	0	0	1	40	0	240	0
Brandeis U.	315	294	12	0	11	0	77	0	194	0	0	0
Santa Clara U.	316	283	78	0	0	0	15	0	0	0	190	0
Lamar U.	317	281	0	0	0	0	0	0	0	0	191	90
Duquesne U.	318	267	0	0	197	0	13	0	0	0	0	57
Texas Tech U., Health Sciences Center, El Paso	319	257	0	0	257	0	0	0	0	0	0	0

TABLE 28

Higher education R&D expenditures funded by businesses, ranked by all R&D expenditures, by R&D field: FY 2020

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
U. Wisconsin-River Falls	352	152	0	0	103	0	11	0	0	0	38	0
U. Tennessee, Chattanooga	353	151	0	0	30	0	0	10	8	0	103	0
Edward Via C. of Osteopathic Medicine	354	150	0	0	150	0	0	0	0	0	0	0
St. John's U., New York	355	147	0	0	147	0	0	0	0	0	0	0
New School	356	144	6	0	0	0	0	0	100	0	0	38
California State U., Sacramento	357	143	0	15	25	0	0	0	9	0	61	33
Keck Graduate Institute	358	142	i 4	i 0	i 106	i 1	i 0	i 0	i 0	i 0	i 17	i 14
Kentucky State U.	358	142	0	0	142	0	0	0	0	0	0	0
North Carolina Central U.	360	137	0	9	93	0	0	0	0	0	15	20
Spelman C.	360	137	0	0	0	0	0	0	0	0	0	137
U. Puerto Rico, Rio Piedras	362	136	0	1	0	22	110	0	0	2	0	1
U. Washington, Bothell	363	129	0	0	0	0	0	0	0	0	0	129
Fayetteville State U.	364	123	0	0	0	0	0	0	51	0	0	72
Saint Joseph's U.	364	123	0	0	3	0	0	117	0	0	0	3
Illinois State U.	366	122	0	0	119	0	0	0	0	0	0	3
Western Carolina U.	367	121	0	0	17	0	66	0	29	0	9	0
Air Force Institute of Technology	368	118	0	0	0	0	9	0	0	0	109	0
Alabama A&M U.	369	117	i 3	i 0	i 69	i 1	i 6	i 2	i 5	i 0	i 19	i 12
Missouri State U.	370	115	0	0	115	0	0	0	0	0	0	0
U. Oklahoma, Tulsa	370	115	0	0	52	0	0	0	0	0	63	0
Appalachian State U.	372	112	0	0	112	0	0	0	0	0	0	0
Albany State U.	373	108	0	15	93	0	0	0	0	0	0	0
Christopher Newport U.	373	108	0	0	105	0	3	0	0	0	0	0
Youngstown State U.	375	107	0	0	14	0	2	0	0	0	91	0
Florida Gulf Coast U.	376	104	0	30	0	0	0	0	0	2	72	0
Central Washington U.	377	102	53	0	0	0	0	0	49	0	0	0
U. Houston-Clear Lake	377	102	0	0	19	0	0	0	83	0	0	0
Wesleyan U.	379	97	0	20	0	4	73	0	0	0	0	0
Calvin U.	380	92	i 35	i 5	i 10	i 0	i 9	i 0	i 16	i 0	i 12	i 5
Oklahoma State U., Center for Health Sciences	380	92	0	0	0	0	0	14	0	0	78	0
U. Missouri, Saint Louis	382	91	0	0	0	0	12	0	0	0	0	79
Montclair State U.	383	86	0	0	86	0	0	0	0	0	0	0

TABLE 28

Higher education R&D expenditures funded by businesses, ranked by all R&D expenditures, by R&D field: FY 2020

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
CUNY, Lehman C.	384	82	0	0	82	0	0	0	0	0	0	0
Western Washington U.	384	82	0	2	0	0	24	44	0	0	12	0
Biola U.	386	79 i	2 i	0 i	51 i	0 i	4 i	1 i	6 i	0 i	7 i	8 i
Framingham State U.	387	78	0	0	0	0	78	0	0	0	0	0
California State U., East Bay	388	77	0	50	14	0	0	13	0	0	0	0
U. Nebraska, Omaha	389	74	39	0	0	0	0	35	0	0	0	0
North Carolina Agricultural and Technical State U.	390	73	16	0	17	0	0	0	0	0	40	0
Oberlin C.	390	73	0	0	0	0	73	0	0	0	0	0
CUNY, Brooklyn C.	392	72	7	14	18	0	33	0	0	0	0	0
U. Central Oklahoma	393	71 i	0 i	0 i	1 i	0 i	2 i	0 i	0 i	0 i	0 i	68 i
Purdue U., Fort Wayne	394	70	0	0	70	0	0	0	0	0	0	0
Smith C.	395	68	0	0	0	0	0	0	0	0	68	0
San Francisco State U.	396	67 i	3 i	12 i	17 i	3 i	8 i	4 i	9 i	2 i	3 i	6 i
Lipscomb U.	397	66 i	2 i	0 i	43 i	0 i	3 i	1 i	4 i	0 i	7 i	6 i
U. Wisconsin-Superior	397	66	0	0	60	0	0	0	0	0	0	6
Texas A&M International U.	399	63	0	0	0	0	0	0	0	0	0	63
Indiana U. Pennsylvania	400	62	0	0	7	0	0	0	34	0	0	21
Eastern Michigan U.	401	61	0	0	16	0	18	0	0	0	27	0
Southeastern Louisiana U.	401	61	0	0	0	0	42	0	7	0	0	12
Barnard C.	403	60	0	0	60	0	0	0	0	0	0	0
Texas Woman's U.	404	59	0	0	59	0	0	0	0	0	0	0
U. Wisconsin-Eau Claire	404	59	0	2	0	38	19	0	0	0	0	0
Columbus State U.	406	58	15	0	0	0	0	0	0	0	0	43
Fordham U.	406	58	44	0	7	0	0	6	0	0	0	1
Central Michigan U.	408	57	0	0	56	0	0	0	0	0	0	1
Alcorn State U.	409	56	0	0	29	0	0	0	27	0	0	0
Heidelberg U.	410	53	0	53	0	0	0	0	0	0	0	0
Southern Connecticut State U.	410	53	0	0	53	0	0	0	0	0	0	0
Touro U.	410	53	0	0	53	0	0	0	0	0	0	0
U. Central Arkansas	413	50	1	1	48	0	0	0	0	0	0	0
C. New Jersey	414	49	0	0	0	0	0	0	0	0	46	3
California State U., Fullerton	414	49	0	10	7	0	0	0	0	0	14	18

TABLE 28

Higher education R&D expenditures funded by businesses, ranked by all R&D expenditures, by R&D field: FY 2020

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
Dickinson C.	414	49	0	1	48	0	0	0	0	0	0	0
Clark Atlanta U.	417	47	10	0	0	37	0	0	0	0	0	0
Florida Polytechnic U.	418	46	0	0	0	0	0	0	0	0	46	0
Gettysburg C.	418	46	0	0	0	0	0	46	0	0	0	0
Murray State U.	418	46	0	0	45	0	1	0	0	0	0	0
Texas A&M U.-Commerce	418	46	41	0	2	0	0	0	0	0	2	1
U.S. Military Academy	422	45	0	0	0	0	0	0	0	0	45	0
Tennessee State U.	423	44	0	0	44	0	0	0	0	0	0	0
CUNY, Queens C.	424	43	12	0	26	0	5	0	0	0	0	0
U. of the Incarnate Word	425	42	0	0	42	0	0	0	0	0	0	0
U. Wisconsin-Green Bay	426	41	1 i	1 i	24 i	0 i	2 i	0 i	2 i	0 i	8 i	3 i
U. Nebraska, Kearney	427	39	0	1	2	0	0	0	2	34	0	0
California State U., Bakersfield	428	38	0	0	0	0	0	0	0	0	38	0
California State U., Northridge	429	35	0	12	0	0	0	0	0	0	23	0
SUNY, Buffalo State	429	35	0	0	1	0	0	0	7	0	0	27
Winthrop U.	431	34	0	0	0	0	0	0	0	0	0	34
Stephen F. Austin State U.	432	32	0	0	24	0	0	8	0	0	0	0
California State U., Channel Islands	433	31	0	0	0	0	31	0	0	0	0	0
Indiana State U.	433	31	0	4	25	0	0	0	1	0	1	0
U. Arkansas, Little Rock	433	31	19	0	10	0	2	0	0	0	0	0
West Virginia State U.	433	31	0	0	22	0	9	0	0	0	0	0
Weber State U.	437	30	30	0	0	0	0	0	0	0	0	0
Kean U.	438	29	21	0	8	0	0	0	0	0	0	0
West Chester U. Pennsylvania	439	28	0	0	0	28	0	0	0	0	0	0
Bryn Mawr C.	440	27	27	0	0	0	0	0	0	0	0	0
Emerson C.	440	27	0	0	0	0	0	0	27	0	0	0
Franklin W. Olin C. of Engineering	440	27	0	0	0	0	0	0	0	0	27	0
Langston U.	440	27	0	0	27	0	0	0	0	0	0	0
CUNY, system office	444	26	26	0	0	0	0	0	0	0	0	0
Delaware State U.	444	26 i	0 i	1 i	13 i	1 i	6 i	0 i	0 i	2 i	2 i	1 i
Harvey Mudd C.	444	26	0	0	0	1	0	0	0	3	22	0
U. Illinois, Springfield	444	26	0	0	0	0	0	0	26	0	0	0

TABLE 28

Higher education R&D expenditures funded by businesses, ranked by all R&D expenditures, by R&D field: FY 2020

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
U. New England	444	26	0	0	26	0	0	0	0	0	0	0
Pennsylvania State U., Harrisburg	449	25	1	1	0	0	0	0	0	0	16	7
Sul Ross State U.	449	25	0	0	25	0	0	0	0	0	0	0
U. Guam	449	25	0	21	4	0	0	0	0	0	0	0
Grand Valley State U.	452	24	0	0	0	0	0	0	0	24	0	0
Union C., Schenectady	452	24	1	0	0	0	0	0	0	0	23	0
U. Louisiana, Monroe	454	22	0	0	9	0	0	0	0	0	0	13
Monmouth U.	455	20	0	0	20	0	0	0	0	0	0	0
SUNY, C. Brockport	455	20	0	0	1	0	0	0	19	0	0	0
Roger Williams U.	457	17	0	17	0	0	0	0	0	0	0	0
California State U., Chico	458	16	0	0	6	0	10	0	0	0	0	0
Fisk U.	458	16	16	0	0	0	0	0	0	0	0	0
Sonoma State U.	458	16	0	5	11	0	0	0	0	0	0	0
Troy U.	458	16	0	0	0	0	0	0	0	0	0	16
Northern Michigan U.	462	15	0	0	0	0	0	15	0	0	0	0
Towson U.	462	15	0	0	10	5	0	0	0	0	0	0
Eastern Washington U.	464	14	0	0	9	0	0	0	5	0	0	0
St. Edward's U.	464	14	0	0	0	0	0	0	10	0	0	4
U. Hartford	464	14	0	0	0	0	0	0	0	0	14	0
U. Detroit Mercy	467	13	0	0	9	0	0	0	0	0	4	0
U. of the Pacific	467	13	0	0	13	0	0	0	0	0	0	0
U. Puerto Rico, Cayey	467	13	0	0	0	0	0	0	13	0	0	0
Clark U.	470	12	0	0	0	0	12	0	0	0	0	0
Colgate U.	470	12	0	0	0	0	12	0	0	0	0	0
Fort Lewis C.	470	12	0	0	0	0	12	0	0	0	0	0
Salisbury U.	473	11	11	0	0	0	0	0	0	0	0	0
Davidson C.	474	10	0	0	0	10	0	0	0	0	0	0
Johnson C. Smith U.	474	10	0	0	0	0	0	0	0	0	0	10
Bowling Green State U.	476	8	0	0	0	0	8	0	0	0	0	0
California State U., Monterey Bay	476	8	1	0	7	0	0	0	0	0	0	0
St. Bonaventure U.	476	8	8	0	0	0	0	0	0	0	0	0
SUNY, Oswego	476	8	0	0	0	0	5	0	0	0	3	0

TABLE 28

Higher education R&D expenditures funded by businesses, ranked by all R&D expenditures, by R&D field: FY 2020

(Dollars in thousands)

Institution	Rank	All R&D expenditures	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Sciences nec	Engineering	All non-S&E fields
U. Maryland, Eastern Shore	476	8	0	0	5	0	0	0	0	0	3	0
U. Northern Colorado	476	8	0	0	8	0	0	0	0	0	0	0
C. Charleston	482	7	0	0	7	0	0	0	0	0	0	0
Pace U.	482	7	7	0	0	0	0	0	0	0	0	0
U. North Georgia	482	7	0	7	0	0	0	0	0	0	0	0
U. Baltimore	485	6	0	0	0	0	0	0	6	0	0	0
Northern Kentucky U.	486	5	0	0	0	0	0	0	0	0	0	5
Saginaw Valley State U.	486	5	0	0	5	0	0	0	0	0	0	0
Eastern Kentucky U.	488	4	0	0	3	0	0	0	0	0	0	1
U. Northern Iowa	488	4	0	0	0	0	4	0	0	0	0	0
Des Moines U.	490	3	0	0	0	0	0	0	0	0	0	3
Hofstra U.	490	3	3	0	0	0	0	0	0	0	0	0
Loyola Marymount U.	490	3	0	0	3	0	0	0	0	0	0	0
Meharry Medical C.	490	3	0	0	3	0	0	0	0	0	0	0
Sam Houston State U.	490	3	0	0	3	0	0	0	0	0	0	0
U. Wisconsin-Stevens Point	490	3	0	0	3	0	0	0	0	0	0	0
Azusa Pacific U.	496	2	0	0	0	0	2	0	0	0	0	0
CUNY, C. Staten Island	496	2	0	0	0	0	0	0	0	0	2	0
Trinity C., Hartford	496	2	0	0	0	0	2	0	0	0	0	0
U. North Carolina, Asheville	496	2	0	0	0	0	2	0	0	0	0	0
U. South Florida, Saint Petersburg	496	2	0	0	0	0	0	0	0	0	0	2
Austin Peay State U.	501	1	0	0	1	0	0	0	0	0	0	0
Bowdoin C.	501	1	0	0	0	0	1	0	0	0	0	0
Lafayette C.	501	1	0	0	0	0	1	0	0	0	0	0
Middlebury C.	501	1	0	1	0	0	0	0	0	0	0	0
Seattle U.	501	1	0	0	0	0	0	0	0	0	0	1
Wheaton C., Wheaton	501	1	0	0	1	0	0	0	0	0	0	0
William Paterson U.	501	1	1	0	0	0	0	0	0	0	0	0

i = imputed.

nec = not elsewhere classified; S&E = science and engineering.

^a Johns Hopkins University includes the Applied Physics Laboratory, with \$5,138 thousand in business-financed R&D expenditures in FY 2020.

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

^c The University of Tennessee, Knoxville includes expenditures from the University of Tennessee Institute of Agriculture. Due to a reorganization within the University of Tennessee system, the Institute of Agriculture now falls under the leadership of the University of Tennessee, Knoxville chancellor. Prior to FY 2020, the University of Tennessee, Knoxville, Institute of Agriculture reported to the survey separately.

Note(s):

Institutions reporting zero expenditures in ranked total for FY 2020 are not listed in this table. Tied institutions are ranked alphabetically. Ranked institutions are geographically separate campuses headed by a campus-level president or chancellor. Some campuses are part of large, multi-campus universities; some are part of state university systems. For a complete list of campuses that belong to a larger university or system and their aggregate R&D expenditures, see table 6.

Source(s):

National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2020.