

TABLE 70

Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2020

(Dollars in thousands)

State, institutional control, and institution	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
United States	86,296,178	2,923,149	3,281,251	49,640,508	798,975	5,667,046	1,357,081	2,947,338	952,459	13,692,756	5,035,615
Public	56,663,756	1,797,660	2,605,508	31,245,694	491,712	3,505,603	1,009,961	2,028,392	747,561	9,616,951	3,614,714
Private	29,632,422	1,125,489	675,743	18,394,814	307,263	2,161,443	347,120	918,946	204,898	4,075,805	1,420,901
Alabama	1,186,697	60,544	29,587	717,505	7,049	42,260	11,724	19,271	3,151	219,549	76,057
Public	1,165,724	60,135	29,587	709,360	5,809	42,094	11,724	14,364	2,967	213,627	76,057
Alabama A&M U.	8,749	301	0	5,142	83	636	174	298	0	1,603	512
Alabama State U.	2,582	0	0	1,989	0	60	0	0	0	533	0
Auburn U., Auburn	255,281	5,006	3,460	110,768	3,736	15,247	2,824	6,902	2,967	70,593	33,778
Jacksonville State U.	1,244	3	0	44	0	0	0	0	0	11	1,186
Troy U.	1,692	5	49	290	6	1,216	3	20	0	0	103
U. Alabama, Birmingham	618,226	1,502	701	542,308	916	4,678	5,164	246	0	53,030	9,681
U. Alabama, Huntsville	131,648	36,636	17,304	3,170	726	13,353	218	1,717	0	51,198	7,326
U. Alabama, Tuscaloosa	95,200	12,836	3,062	8,985	262	6,471	3,030	4,595	0	33,019	22,940
U. South Alabama	51,102	3,846	5,011	36,664	80	433	311	586	0	3,640	531
Private	20,973	409	0	8,145	1,240	166	0	4,907	184	5,922	0
Tuskegee U.	20,973	409	0	8,145	1,240	166	0	4,907	184	5,922	0
Alaska	177,537	1,313	81,366	36,878	346	15,790	548	5,116	14,647	18,974	2,559
Public	176,276	1,313	80,170	36,840	346	15,790	548	5,116	14,647	18,974	2,532
U. Alaska, Anchorage	22,713	165	7,339	6,857	0	184	181	3,306	2,990	1,101	590
U. Alaska, Fairbanks	152,299	1,148	72,609	29,409	346	15,551	367	1,810	11,281	17,843	1,935
U. Alaska, Southeast	1,264	0	222	574	0	55	0	0	376	30	7
Private	1,261	0	1,196	38	0	0	0	0	0	0	27
Alaska Pacific U.	1,261	0	1,196	38	0	0	0	0	0	0	27
Arizona	1,499,135	39,986	112,100	579,914	9,040	181,821	21,270	102,088	115,362	239,474	98,080
Public	1,499,135	39,986	112,100	579,914	9,040	181,821	21,270	102,088	115,362	239,474	98,080
Arizona State U.	673,357	22,231	73,544	103,558	5,942	25,619	17,645	83,980	107,393	155,015	78,430
Dine C.	347	0	0	347	0	0	0	0	0	0	0
Northern Arizona U.	64,456	2,671	7,408	38,862	0	7,064	725	419	403	4,996	1,908
U. Arizona	760,975	15,084	31,148	437,147	3,098	149,138	2,900	17,689	7,566	79,463	17,742
Arkansas	370,782	8,553	3,519	269,832	125	12,897	855	7,404	1,045	39,756	26,796
Public	370,782	8,553	3,519	269,832	125	12,897	855	7,404	1,045	39,756	26,796

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Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2020

(Dollars in thousands)

State, institutional control, and institution	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
Arkansas State U., Jonesboro	8,640	290	0	6,636	4	876	55	148	257	371	3
U. Arkansas for Medical Sciences	174,549	0	0	174,549	0	0	0	0	0	0	0
U. Arkansas, Fayetteville	165,887	4,591	3,499	77,569	97	9,791	707	7,186	85	37,758	24,604
U. Arkansas, Little Rock	9,711	3,246	0	2,878	0	1,105	0	27	0	1,627	828
U. Arkansas, Pine Bluff	8,540	0	0	7,415	0	540	0	0	572	0	13
U. Central Arkansas	3,455	426	20	785	24	585	93	43	131	0	1,348
California	10,910,956	295,111	502,329	6,868,708	74,078	947,919	169,517	332,650	175,552	1,156,517	388,575
Public	7,729,399	129,936	416,432	4,850,818	62,900	604,651	131,110	234,115	174,441	892,145	232,851
California Polytechnic State U., San Luis Obispo	26,605	626	1,105	7,929	2,841	5,672	185	675	0	4,646	2,926
California State Polytechnic U., Pomona	7,396	653	68	2,656	138	1,395	0	39	327	1,875	245
California State U., Bakersfield	7,053	0	176	245	3,173	91	504	264	0	1,449	1,151
California State U., Channel Islands	1,497	0	0	901	181	39	0	45	233	0	98
California State U., Chico	4,305	10	395	1,466	57	182	15	426	0	1,120	634
California State U., Dominguez Hills	2,065	700	13	144	116	556	95	186	0	0	255
California State U., East Bay	9,072	329	1,029	1,103	896	939	410	677	0	132	3,557
California State U., Fresno	8,856	117	147	4,306	412	1,127	34	456	0	1,748	509
California State U., Fullerton	5,929	83	329	2,440	11	1,254	106	110	508	616	472
California State U., Long Beach	16,684	102	514	4,816	691	2,670	1,465	625	284	4,733	784
California State U., Los Angeles	10,590	36	0	2,299	10	5,241	110	1,570	0	922	402
California State U., Maritime Academy	3,202	0	0	0	0	0	0	0	0	3,202	0
California State U., Monterey Bay	5,874	1,023	1,281	3,225	234	0	0	0	0	0	111
California State U., Northridge	21,228	201	2,158	6,822	980	5,407	473	559	1,690	1,115	1,823

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Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2020

(Dollars in thousands)

State, institutional control, and institution	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
California State U., Sacramento	24,939	178	839	1,328	94	296	310	7,680	2,956	7,744	3,514
California State U., San Bernardino	10,819	472	87	948	633	1,569	1,775	320	13	1,598	3,404
California State U., San Marcos	13,250	987	47	1,888	82	1,667	1,261	884	2,694	2,408	1,332
California State U., Stanislaus	1,843	331	1	1,169	194	17	13	44	0	0	74
Humboldt State U.	14,236	64	1,464	7,291	10	193	0	616	0	4,261	337
Naval Postgraduate School	62,903	7,345	6,566	1,655	2,824	9,161	0	6,040	1,752	22,933	4,627
San Diego State U.	97,710	1,519	2,234	27,880	3,899	6,402	20,222	5,106	3,669	7,934	18,845
San Francisco State U.	33,078	869	4,450	13,391	1,060	3,200	1,375	3,760	1,344	1,330	2,299
San Jose State U.	47,301	10	13,747	1,542	0	2,445	19,670	190	7	2,863	6,827
Sonoma State U.	1,545	8	571	456	141	203	10	40	29	1	86
U. California, Berkeley	840,000	12,701	9,845	258,228	8,263	141,434	19,329	60,568	76,642	209,293	43,697
U. California, Davis	816,693	7,256	30,153	597,962	4,455	26,495	3,022	28,486	8,894	97,951	12,019
U. California, Irvine	490,597	21,573	12,705	289,422	7,106	40,964	11,448	12,741	799	59,695	34,144
U. California, Los Angeles	1,392,941	17,480	41,594	989,602	13,161	54,697	19,087	60,591	48,975	93,520	54,234
U. California, Merced	45,966	194	2,943	9,333	3,047	7,593	1,712	2,988	420	15,191	2,545
U. California, Office of the President	60,686	1,485	0	46,725	0	8,123	0	0	4,353	0	0
U. California, Riverside	184,894	8,974	10,855	95,431	1,682	17,037	2,950	5,132	3,923	31,937	6,973
U. California, San Diego	1,403,735	30,370	201,331	828,401	4,857	94,124	20,113	19,942	13,715	182,495	8,387
U. California, San Francisco	1,651,073	0	0	1,581,411	0	69,662	0	0	0	0	0
U. California, Santa Barbara	254,434	9,231	40,396	30,838	1,416	58,534	4,929	7,631	867	87,681	12,911
U. California, Santa Cruz	150,400	5,009	29,389	27,565	236	36,262	487	5,724	347	41,752	3,629
Private	3,181,557	165,175	85,897	2,017,890	11,178	343,268	38,407	98,535	1,111	264,372	155,724
Azusa Pacific U.	7,068	148	0	2,002	64	205	885	274	0	31	3,459
Biola U.	1,187	42	1	771	11	85	13	40	0	167	57
California Institute of Technology	449,651	15,072	43,338	89,626	1,387	217,581	0	0	0	51,693	30,954
California Lutheran U.	630	14	0	316	16	112	24	16	0	0	132
Chapman U.	26,660	665	212	7,307	1	2,062	888	2,714	0	102	12,709

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Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2020

(Dollars in thousands)

State, institutional control, and institution	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
Charles R. Drew U. of Medicine and Science	13,682	0	0	13,682	0	0	0	0	0	0	0
Claremont Graduate U.	9,403	207	0	0	70	0	966	3,122	0	0	5,038
Claremont McKenna C.	5,846	0	29	400	85	144	157	4,545	43	0	443
Harvey Mudd C.	2,916	791	0	520	174	543	0	0	194	628	66
High Tech High Graduate School of Ed.	3,304	0	0	0	0	0	0	0	0	0	3,304
Keck Graduate Institute	2,152	86	0	1,578	23	0	0	0	0	336	129
La Sierra U.	1,647	0	0	101	0	1	78	0	0	0	1,467
Loma Linda U.	25,077	0	0	25,077	0	0	0	0	0	0	0
Loyola Marymount U.	7,193	24	489	591	187	233	1,515	1,285	0	165	2,704
Marshall B. Ketchum U.	1,357	0	0	1,357	0	0	0	0	0	0	0
Mills C.	1,541	0	0	95	16	0	0	18	0	0	1,412
Occidental C.	2,657	236	1,086	368	58	414	65	190	240	0	0
Pepperdine U.	2,006	0	0	623	32	56	229	213	0	0	853
Pomona C.	2,855	95	274	338	129	872	248	620	6	0	273
Santa Clara U.	2,682	107	0	879	22	487	10	116	0	948	113
Scripps Research Institute	444,964	0	0	444,964	0	0	0	0	0	0	0
Stanford U.	1,203,950	26,512	20,216	836,401	7,036	94,954	18,866	24,770	104	130,950	44,141
Touro U.	3,551	0	0	3,539	0	0	0	0	0	0	12
U. of the Pacific	1,713	0	0	982	0	307	0	0	312	89	23
U. San Diego	8,607	0	163	217	225	1,496	190	289	68	1,252	4,707
U. San Francisco	2,161	60	106	308	25	72	39	397	144	6	1,004
U. Southern California	941,198	121,116	19,983	580,982	1,617	23,644	14,234	59,926	0	78,005	41,691
Western U. of Health Sciences	5,899	0	0	4,866	0	0	0	0	0	0	1,033
Colorado	1,665,742	25,511	197,783	831,543	8,297	147,816	23,547	36,174	6,477	292,491	96,103
Public	1,622,102	25,412	197,519	826,498	8,154	142,828	17,562	33,719	6,477	288,030	75,903
Colorado School of Mines	78,517	3,748	8,916	2,073	583	11,346	0	1,403	0	46,694	3,754
Colorado State U., Fort Collins	407,302	4,278	67,642	231,734	4,190	11,356	3,255	14,787	3,963	42,839	23,258
Colorado State U., Pueblo	3,104	0	0	1,703	6	18	0	0	0	210	1,167
Fort Lewis C.	1,370	0	56	297	0	470	0	42	0	505	0

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Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2020

(Dollars in thousands)

State, institutional control, and institution	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. Colorado Boulder	525,674	15,627	119,824	52,074	2,659	115,340	11,982	16,443	2,177	160,423	29,125
U. Colorado Colorado Springs	5,557	1,035	173	845	11	270	226	124	334	1,367	1,172
U. Colorado Denver and Anschutz Medical Campus	554,643	234	612	536,533	524	1,192	1,921	282	3	6,180	7,162
U. Northern Colorado	3,738	0	296	1,239	181	122	178	346	0	0	1,376
U.S. Air Force Academy	42,197	490	0	0	0	2,714	0	292	0	29,812	8,889
Private	43,640	99	264	5,045	143	4,988	5,985	2,455	0	4,461	20,200
Colorado C.	2,291	0	96	156	23	75	115	363	0	0	1,463
U. Denver	41,349	99	168	4,889	120	4,913	5,870	2,092	0	4,461	18,737
Connecticut	1,400,865	12,527	16,512	1,106,456	7,989	78,741	32,879	26,926	2,794	85,378	30,663
Public	288,915	5,693	9,631	159,438	2,475	19,474	22,068	7,671	2,648	46,871	12,946
Central Connecticut State U.	1,572	21	91	131	17	82	8	519	0	120	583
Eastern Connecticut State U.	1,799	86	101	381	79	0	141	2	267	0	742
Southern Connecticut State U.	5,413	11	253	1,308	35	846	366	505	202	0	1,887
U. Connecticut	280,131	5,575	9,186	157,618	2,344	18,546	21,553	6,645	2,179	46,751	9,734
Private	1,111,950	6,834	6,881	947,018	5,514	59,267	10,811	19,255	146	38,507	17,717
Connecticut C.	1,598	248	0	275	0	350	208	517	0	0	0
Fairfield U.	1,210	6	1	279	75	153	26	20	7	117	526
Trinity C., Hartford	1,428	4	0	975	68	50	0	163	0	49	119
U. Hartford	1,436	5	0	101	131	0	0	0	0	1,002	197
U. New Haven	3,843	602	143	40	4	285	22	2,107	0	533	107
Wesleyan U.	8,300	0	821	909	533	2,383	871	454	0	0	2,329
Yale U.	1,094,135	5,969	5,916	944,439	4,703	56,046	9,684	15,994	139	36,806	14,439
Delaware	244,321	6,649	18,351	80,411	2,752	29,653	7,486	13,112	2,866	76,590	6,451
Public	244,321	6,649	18,351	80,411	2,752	29,653	7,486	13,112	2,866	76,590	6,451
Delaware State U.	23,876	1	654	14,314	865	4,461	1	176	549	2,332	523
U. Delaware	220,445	6,648	17,697	66,097	1,887	25,192	7,485	12,936	2,317	74,258	5,928
District of Columbia	684,793	28,688	1,354	368,232	4,760	45,160	11,150	85,798	9,293	35,924	94,434
Public	9,173	79	41	2,357	277	0	0	2,383	0	1,388	2,648
National Defense U.	4,583	0	0	200	0	0	0	2,383	0	0	2,000

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Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2020

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U. of the District of Columbia	4,590	79	41	2,157	277	0	0	0	0	1,388	648
Private	675,620	28,609	1,313	365,875	4,483	45,160	11,150	83,415	9,293	34,536	91,786
American U.	71,839	672	642	1,886	1,559	4,714	2,248	20,632	5,152	0	34,334
Catholic U. of America	25,221	0	0	2,000	0	17,669	347	502	63	3,518	1,122
Gallaudet U.	4,599	486	10	1,239	3	5	988	173	0	0	1,695
George Washington U.	270,369	7,308	436	179,803	926	8,313	3,074	25,348	1,855	22,682	20,624
Georgetown U.	258,659	18,620	0	155,197	1,765	9,151	2,615	35,933	2,223	0	33,155
Howard U.	44,933	1,523	225	25,750	230	5,308	1,878	827	0	8,336	856
Florida	2,722,627	88,755	158,592	1,377,187	20,261	184,423	99,458	99,946	8,911	356,075	329,019
Public	2,279,125	83,513	92,826	1,061,045	18,569	173,752	83,314	97,420	8,873	333,638	326,175
Florida A&M U.	41,319	102	5,844	21,450	0	1,410	242	21	329	4,796	7,125
Florida Atlantic U.	53,845	2,586	1,186	28,725	1,268	3,147	2,306	210	0	10,574	3,843
Florida Gulf Coast U.	6,671	41	1,654	760	232	397	0	118	2	250	3,217
Florida International U.	236,842	16,175	16,023	55,877	1,470	27,354	34,642	17,828	1,063	39,826	26,584
Florida Polytechnic U.	1,091	241	0	34	0	76	0	31	0	689	20
Florida State U.	350,430	10,349	20,816	64,315	7,128	68,454	17,715	19,446	5,335	56,493	80,379
U. Central Florida	239,343	29,423	4,008	32,376	3,197	34,630	10,968	9,513	1,602	62,071	51,555
U. Florida	942,223	13,006	17,740	688,091	1,726	25,532	10,922	13,552	42	119,066	52,546
U. North Florida	13,573	178	10	1,388	70	682	96	633	0	2,433	8,083
U. South Florida, Saint Petersburg	18,243	0	0	1,120	0	56	1,413	3	0	0	15,651
U. South Florida, Sarasota-Manatee	2,150	0	0	162	0	5	158	213	0	0	1,612
U. South Florida, Tampa	333,344	9,417	24,670	164,666	3,165	11,433	4,710	31,616	500	37,162	46,005
U. West Florida	40,051	1,995	875	2,081	313	576	142	4,236	0	278	29,555
Private	443,502	5,242	65,766	316,142	1,692	10,671	16,144	2,526	38	22,437	2,844
Embry-Riddle Aeronautical U.	17,786	526	1,336	17	84	2,744	0	714	0	12,015	350
Florida Institute of Technology	18,271	4,287	2,310	667	188	2,777	1,652	0	33	5,362	995
Nova Southeastern U.	26,035	146	11,436	13,298	0	0	596	0	0	0	559
U. Miami	381,410	283	50,684	302,160	1,420	5,150	13,896	1,812	5	5,060	940

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Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2020

(Dollars in thousands)

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Georgia	2,782,005	200,436	37,175	1,307,844	20,858	100,114	44,549	88,056	8,312	767,539	207,122
Public	1,878,257	196,597	36,100	529,753	17,869	71,692	38,844	84,433	6,471	718,582	177,916
Albany State U.	1,060	0	19	654	0	54	0	0	0	3	330
Augusta U.	103,961	61	0	103,554	13	29	101	128	0	0	75
Columbus State U.	261	112	0	38	8	7	0	17	0	0	79
Fort Valley State U.	4,921	0	0	4,581	184	72	0	0	0	84	0
Georgia Institute of Technology	1,048,988	185,400	12,904	43,699	8,826	34,215	3,943	33,645	0	695,176	31,180
Georgia Southern U.	12,166	65	719	1,664	67	5,465	27	113	0	1,929	2,117
Georgia State U.	202,451	3,435	1,104	66,831	1,973	19,395	8,952	24,697	0	0	76,064
Kennesaw State U.	17,954	3,727	0	5,740	107	1,019	38	2,096	350	1,478	3,399
Savannah State U.	1,804	0	728	234	0	50	0	0	153	639	0
U. Georgia	482,786	3,760	20,493	302,667	6,690	11,295	25,773	23,737	5,968	19,273	63,130
U. North Georgia	1,905	37	133	91	1	91	10	0	0	0	1,542
Private	903,748	3,839	1,075	778,091	2,989	28,422	5,705	3,623	1,841	48,957	29,206
Clark Atlanta U.	8,452	183	0	6,017	194	1,649	0	58	0	158	193
Emory U.	808,792	2,345	1,075	732,893	2,357	22,505	4,817	3,352	0	11,349	28,099
Mercer U.	49,116	136	0	8,624	224	2,038	258	81	144	37,450	161
Morehouse C.	4,825	1,141	0	120	166	1,517	42	3	1,697	0	139
Morehouse School of Medicine	29,813	0	0	29,813	0	0	0	0	0	0	0
Spelman C.	2,750	34	0	624	48	713	588	129	0	0	614
Hawaii	298,285	13,765	84,435	129,046	1,655	29,708	441	5,273	5,882	25,436	2,644
Public	296,489	13,679	84,215	127,798	1,641	29,708	441	5,058	5,882	25,423	2,644
U. Hawaii, Hilo	6,992	1	894	4,149	1,126	217	0	207	363	0	35
U. Hawaii, Manoa	275,929	11,963	71,468	123,649	515	29,491	441	4,851	5,519	25,423	2,609
U. Hawaii, system office	13,568	1,715	11,853	0	0	0	0	0	0	0	0
Private	1,796	86	220	1,248	14	0	0	215	0	13	0
Hawaii Pacific U.	1,796	86	220	1,248	14	0	0	215	0	13	0
Idaho	170,595	4,176	10,385	88,485	1,342	6,699	809	8,516	5,918	36,005	8,260
Public	170,595	4,176	10,385	88,485	1,342	6,699	809	8,516	5,918	36,005	8,260
Boise State U.	43,307	1,761	3,660	10,616	1,137	3,788	171	3,200	630	13,956	4,388
Idaho State U.	14,478	820	1,792	3,936	0	1,372	318	240	740	5,014	246

TABLE 70

Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2020

(Dollars in thousands)

State, institutional control, and institution	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. Idaho	112,810	1,595	4,933	73,933	205	1,539	320	5,076	4,548	17,035	3,626
Illinois	2,764,954	153,741	22,722	1,691,542	18,514	231,053	39,510	69,410	56,483	354,532	127,447
Public	1,226,778	110,299	11,541	606,170	10,909	97,321	21,017	25,409	17,885	240,363	85,864
Illinois State U.	32,260	65	791	3,183	229	567	20	2,351	0	0	25,054
Northeastern Illinois U.	2,018	39	50	1,122	53	66	0	48	0	0	640
Northern Illinois U.	25,420	661	553	2,319	76	5,560	1,057	4,982	0	1,467	8,745
Southern Illinois U., Carbondale	41,617	396	848	33,480	278	2,013	223	954	1,092	2,333	0
Southern Illinois U., Edwardsville	18,273	151	1,979	8,190	817	911	0	286	502	1,424	4,013
U. Illinois, Chicago	412,147	12,999	1,021	314,296	4,109	15,752	3,621	7,905	4,862	31,496	16,086
U. Illinois, Springfield	3,406	0	0	5	0	14	2	2,838	0	0	547
U. Illinois, Urbana-Champaign	689,176	95,988	6,281	241,661	5,346	72,360	16,086	5,846	11,429	203,564	30,615
Western Illinois U.	2,461	0	18	1,914	1	78	8	199	0	79	164
Private	1,538,176	43,442	11,181	1,085,372	7,605	133,732	18,493	44,001	38,598	114,169	41,583
Bradley U.	851	7	0	78	0	81	5	52	0	617	11
DePaul U.	6,557	1,528	91	465	0	305	3,343	22	0	0	803
Erikson Institute	1,992	0	0	0	0	0	0	0	0	0	1,992
Illinois Institute of Technology	29,122	2,988	398	9,993	405	3,143	0	100	42	11,934	119
Loyola U., Chicago	39,365	160	121	35,073	188	763	1,105	800	0	0	1,155
Midwestern U.	10,479	0	0	10,479	0	0	0	0	0	0	0
Northwestern U.	874,671	8,441	1,351	619,270	2,275	78,168	3,706	18,762	38,556	77,150	26,992
Rosalind Franklin U. of Medicine and Science	14,601	0	0	14,516	0	0	85	0	0	0	0
Rush U.	94,438	0	0	92,494	0	0	1,944	0	0	0	0
Toyota Technological Institute, Chicago	5,887	5,887	0	0	0	0	0	0	0	0	0
U. Chicago	458,891	24,422	9,090	302,820	4,726	51,122	8,006	23,750	0	24,468	10,487
Wheaton C., Wheaton	1,322	9	130	184	11	150	299	515	0	0	24
Indiana	1,733,623	92,613	19,534	816,620	10,406	124,265	30,466	94,788	30,498	389,511	124,922
Public	1,506,088	77,709	19,534	788,870	5,149	79,410	25,016	85,928	21,237	305,033	98,202

TABLE 70

Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2020

(Dollars in thousands)

State, institutional control, and institution	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
Ball State U.	9,429	1,263	9	2,738	51	834	214	1,662	0	0	2,658
Indiana State U.	1,471	0	120	745	23	160	5	1	10	4	403
Indiana U., Bloomington	728,554	43,034	7,962	518,775	1,740	33,389	12,822	47,029	13,701	14,294	35,808
Indiana U.-Purdue U., Indianapolis	71,387	5,002	1,277	21,183	595	2,324	4,592	16,055	4,584	7,179	8,596
Purdue U., Fort Wayne	2,264	0	0	488	69	126	168	22	64	443	884
Purdue U., Northwest	5,839	524	0	988	0	207	39	9	127	2,521	1,424
Purdue U., West Lafayette	687,144	27,886	10,166	243,953	2,671	42,370	7,176	21,150	2,751	280,592	48,429
Private	227,535	14,904	0	27,750	5,257	44,855	5,450	8,860	9,261	84,478	26,720
U. Notre Dame	227,535	14,904	0	27,750	5,257	44,855	5,450	8,860	9,261	84,478	26,720
Iowa	917,407	11,570	7,318	544,642	18,094	52,095	12,776	16,624	8,192	157,906	88,190
Public	904,660	11,213	7,121	538,618	17,687	51,353	12,603	15,308	8,192	157,906	84,659
Iowa State U.	363,107	7,666	4,538	123,853	17,062	27,216	3,786	6,923	5,821	109,473	56,769
U. Iowa	538,583	3,547	2,441	414,459	624	23,226	8,817	6,875	2,371	48,433	27,790
U. Northern Iowa	2,970	0	142	306	1	911	0	1,510	0	0	100
Private	12,747	357	197	6,024	407	742	173	1,316	0	0	3,531
Des Moines U.	5,021	0	197	3,637	0	0	0	561	0	0	626
Grinnell C.	5,826	357	0	487	407	742	173	755	0	0	2,905
Palmer C. of Chiropractic, Davenport	1,900	0	0	1,900	0	0	0	0	0	0	0
Kansas	739,872	7,927	12,306	357,633	4,023	21,379	21,867	17,378	8,014	184,492	104,853
Public	739,872	7,927	12,306	357,633	4,023	21,379	21,867	17,378	8,014	184,492	104,853
Fort Hays State U.	1,172	0	298	483	0	158	3	10	0	0	220
Kansas State U.	213,900	3,511	1,479	127,024	3,246	12,583	5,215	10,750	7,776	28,155	14,161
Pittsburg State U.	2,173	0	0	360	0	22	0	132	0	1,659	0
U. Kansas	368,811	4,416	10,485	226,786	672	7,502	16,106	6,450	238	19,830	76,326
Wichita State U.	153,816	0	44	2,980	105	1,114	543	36	0	134,848	14,146
Kentucky	641,301	4,214	4,142	495,930	2,285	14,350	6,713	5,775	13,655	67,099	27,138
Public	641,301	4,214	4,142	495,930	2,285	14,350	6,713	5,775	13,655	67,099	27,138
Eastern Kentucky U.	1,010	0	4	701	24	95	12	18	0	58	98
Kentucky State U.	7,963	32	0	7,806	125	0	0	0	0	0	0
Morehead State U.	1,883	5	16	299	0	0	4	267	0	1,271	21
Murray State U.	3,019	0	134	2,475	198	185	1	0	0	0	26

TABLE 70

Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2020

(Dollars in thousands)

State, institutional control, and institution	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
Northern Kentucky U.	2,693	13	0	1,007	81	778	437	95	0	0	282
U. Kentucky	417,674	4,054	2,966	322,077	1,336	8,553	3,537	3,696	12,936	46,976	11,543
U. Louisville	198,818	97	180	158,677	494	2,954	2,050	1,593	719	18,105	13,949
Western Kentucky U.	8,241	13	842	2,888	27	1,785	672	106	0	689	1,219
Louisiana	798,373	26,321	44,249	490,091	6,586	45,934	4,294	17,791	11,847	90,082	61,178
Public	580,033	23,964	39,424	323,197	6,005	32,053	2,297	10,726	11,847	83,136	47,384
Grambling State U.	2,427	0	0	0	3	852	0	0	0	0	1,572
Louisiana State U., Baton Rouge	286,733	8,284	32,283	155,187	2,701	22,366	902	4,888	11,116	40,084	8,922
Louisiana State U., Health Sciences Center, New Orleans	43,419	0	0	43,419	0	0	0	0	0	0	0
Louisiana State U., Health Sciences Center, Shreveport	25,321	0	0	25,321	0	0	0	0	0	0	0
Louisiana Tech U.	26,585	2,475	84	2,510	771	1,775	571	726	0	11,459	6,214
Northwestern State U. Louisiana	1,940	272	0	307	19	0	0	738	0	5	599
Southeastern Louisiana U.	2,258	29	0	941	0	326	0	264	0	4	694
Southern U. and A&M C., Agricultural Research and Extension Center	4,475	0	0	4,475	0	0	0	0	0	0	0
Southern U. and A&M C., Baton Rouge	3,849	202	0	338	5	735	0	528	0	1,424	617
U. Louisiana, Lafayette	164,070	11,111	5,426	87,621	2,117	3,546	327	97	102	27,878	25,845
U. Louisiana, Monroe	2,362	0	46	2,104	0	55	0	144	0	0	13
U. New Orleans	16,594	1,591	1,585	974	389	2,398	497	3,341	629	2,282	2,908
Private	218,340	2,357	4,825	166,894	581	13,881	1,997	7,065	0	6,946	13,794
Dillard U.	2,523	0	0	1,323	0	975	0	189	0	0	36
Tulane U.	204,430	2,257	4,825	161,642	581	5,720	1,942	6,876	0	6,881	13,706
Xavier U. Louisiana	11,387	100	0	3,929	0	7,186	55	0	0	65	52
Maine	151,263	3,368	25,976	49,024	920	7,412	1,639	5,820	10,296	36,787	10,021
Public	137,819	3,157	24,093	40,234	845	6,351	1,183	5,237	10,293	36,787	9,639
U. Maine	132,184	1,967	24,051	39,354	845	6,351	1,183	2,274	10,215	36,760	9,184
U. Southern Maine	5,635	1,190	42	880	0	0	0	2,963	78	27	455

TABLE 70

Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2020

(Dollars in thousands)

State, institutional control, and institution	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
Private	13,444	211	1,883	8,790	75	1,061	456	583	3	0	382
Bates C.	2,303	113	119	1,247	16	405	173	161	3	0	66
Bowdoin C.	2,719	84	635	1,196	29	239	180	191	0	0	165
Colby C.	1,536	14	193	443	30	391	97	222	0	0	146
U. New England	6,886	0	936	5,904	0	26	6	9	0	0	5
Maryland	4,745,030	292,521	191,580	1,990,541	113,303	519,607	25,145	87,579	60,246	1,380,266	84,242
Public	1,634,536	65,825	126,024	942,873	7,529	129,362	19,227	81,358	9,287	174,634	78,417
Bowie State U.	1,967	682	0	414	0	272	0	0	0	0	599
Morgan State U.	17,193	520	3,384	5,061	134	411	83	98	0	7,228	274
Salisbury U.	9,496	346	891	2,366	113	212	19	485	0	0	5,064
Towson U.	3,612	603	709	836	179	476	192	264	0	0	353
U. Baltimore	15,054	22	0	0	0	67	0	3,367	0	0	11,598
U. Maryland ^a	1,103,062	50,541	58,099	594,114	5,356	105,718	9,288	64,636	7,050	153,109	55,151
U. Maryland Center for Environmental Science	54,560	2	43,554	9,194	5	541	0	216	42	122	884
U. Maryland, Baltimore County	83,867	11,590	15,158	11,478	729	18,278	1,973	11,597	2,195	6,671	4,198
U. Maryland, Eastern Shore	8,092	0	3,454	2,572	0	1,243	0	695	0	128	0
U.S. Naval Academy	13,123	1,519	775	0	1,013	2,144	0	0	0	7,376	296
Uniformed Services U. of the Health Sciences	324,510	0	0	316,838	0	0	7,672	0	0	0	0
Private	3,110,494	226,696	65,556	1,047,668	105,774	390,245	5,918	6,221	50,959	1,205,632	5,825
Johns Hopkins U. ^b	3,110,494	226,696	65,556	1,047,668	105,774	390,245	5,918	6,221	50,959	1,205,632	5,825
Massachusetts	4,361,466	221,488	262,744	1,768,663	49,717	401,800	61,560	289,039	47,342	933,909	325,204
Public	689,298	41,166	21,207	368,420	5,190	53,848	14,047	25,794	4,709	103,801	51,116
Framingham State U.	2,317	0	0	2,060	0	247	10	0	0	0	0
U. Massachusetts, Amherst	219,389	31,199	4,265	64,246	3,361	28,757	7,836	4,819	1,711	58,804	14,391
U. Massachusetts, Boston	64,219	1,242	3,848	8,950	449	3,584	4,361	12,734	453	1,206	27,392
U. Massachusetts, central office	5,225	0	0	545	0	0	0	1,818	1,909	0	953
U. Massachusetts, Dartmouth	26,836	1,572	10,917	1,467	717	2,116	94	499	0	7,944	1,510
U. Massachusetts, Lowell	92,216	7,153	2,177	12,056	663	19,144	1,746	5,924	636	35,847	6,870

TABLE 70

Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2020

(Dollars in thousands)

State, institutional control, and institution	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. Massachusetts, Medical School	279,096	0	0	279,096	0	0	0	0	0	0	0
Private	3,672,168	180,322	241,537	1,400,243	44,527	347,952	47,513	263,245	42,633	830,108	274,088
Amherst C.	4,906	25	439	1,064	340	1,534	101	488	0	0	915
Babson C.	2,352	0	0	0	0	0	0	0	0	0	2,352
Boston C.	63,063	599	5,836	9,824	1,289	9,306	4,452	11,862	0	0	19,895
Boston U.	583,267	14,251	8,573	373,079	5,199	30,909	20,413	7,931	8,078	85,651	29,183
Brandeis U.	63,201	1,721	12	23,263	551	9,384	3,351	16,191	189	0	8,539
Clark U.	10,277	60	1,890	1,953	0	1,648	622	3,575	47	0	482
Emerson C.	919	23	0	0	0	0	0	462	0	0	434
Franklin W. Olin C. of Engineering	1,404	0	0	0	0	0	0	0	0	491	913
Harvard U.	1,239,983	15,250	43,505	684,127	20,038	100,654	5,099	142,484	7,303	97,884	123,639
Massachusetts Institute of Technology	987,968	111,779	32,718	126,648	10,434	153,044	484	51,477	19,833	419,636	61,915
Merrimack C.	503	0	0	253	0	0	0	0	60	78	112
MGH Institute of Health Professions	3,549	0	0	3,014	0	0	0	0	0	0	535
Mount Holyoke C.	2,016	141	0	359	147	496	584	168	0	0	121
New England C. of Optometry	1,150	0	0	1,150	0	0	0	0	0	0	0
Northeastern U.	200,068	21,118	4,039	32,626	878	20,709	8,863	11,615	0	89,954	10,266
Smith C.	4,685	391	36	1,783	182	321	226	151	5	952	638
Stonehill C.	833	0	393	0	0	0	0	0	159	0	281
Suffolk U.	2,106	0	28	29	0	100	584	0	28	76	1,261
Tufts U.	216,241	4,273	472	136,826	3,409	15,438	2,420	12,852	6,931	26,662	6,958
Wellesley C.	8,088	431	161	1,455	255	391	229	1,402	0	633	3,131
Williams C.	4,924	110	195	686	401	1,245	85	827	0	0	1,375
Woods Hole Oceanographic Institution	227,573	0	143,240	0	0	0	0	0	0	84,333	0
Worcester Polytechnic Institute	43,092	10,150	0	2,104	1,404	2,773	0	1,760	0	23,758	1,143
Michigan	2,867,807	38,200	40,004	1,568,488	36,712	249,100	40,691	246,416	32,931	441,626	173,639
Public	2,792,953	37,827	39,820	1,503,873	36,437	246,067	40,269	244,799	32,920	439,335	171,606

TABLE 70

Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2020

(Dollars in thousands)

State, institutional control, and institution	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
Central Michigan U.	17,448	105	677	9,145	120	2,508	497	169	2,093	736	1,398
Eastern Michigan U.	9,088	376	172	3,498	216	690	183	1,039	8	402	2,504
Grand Valley State U.	6,792	9	2,887	1,914	166	374	63	657	48	236	438
Michigan State U.	713,197	15,783	5,435	319,883	12,494	154,318	16,399	50,407	16,975	82,690	38,813
Michigan Technological U.	77,927	2,994	13,896	3,804	2,260	4,094	551	1,260	609	45,263	3,196
Northern Michigan U.	1,523	0	91	727	0	35	201	109	0	0	360
Oakland U.	12,949	1,073	0	5,653	34	4,821	184	45	0	1,041	98
Saginaw Valley State U.	2,343	7	36	1,229	588	35	11	106	12	277	42
U. Michigan, Ann Arbor	1,673,862	15,180	14,928	967,660	18,648	60,824	20,413	187,421	4,528	283,329	100,931
U. Michigan, Dearborn	8,777	11	0	382	155	135	112	114	144	7,088	636
U. Michigan, Flint	1,247	11	0	222	0	29	0	14	102	376	493
Wayne State U.	243,259	2,133	296	182,757	1,716	16,895	1,464	3,289	8,397	12,806	13,506
Western Michigan U. and Homer Stryker M.D. School of Medicine	24,541	145	1,402	6,999	40	1,309	191	169	4	5,091	9,191
Private	74,854	373	184	64,615	275	3,033	422	1,617	11	2,291	2,033
Albion C.	1,132	1	84	96	31	422	45	176	11	0	266
Andrews U.	1,033	0	45	15	3	196	0	670	0	41	63
Calvin U.	1,497	239	35	496	31	441	0	98	0	104	53
Hope C.	3,822	28	20	636	68	1,315	242	673	0	175	665
Kettering U.	2,081	22	0	53	2	648	0	0	0	1,046	310
Lawrence Technological U.	1,521	63	0	0	0	6	0	0	0	806	646
U. Detroit Mercy	4,786	20	0	4,337	140	5	135	0	0	119	30
Van Andel Research Institute	58,982	0	0	58,982	0	0	0	0	0	0	0
Minnesota	1,086,730	23,943	18,970	744,391	9,649	46,684	32,476	32,801	2,567	125,648	49,601
Public	1,075,333	23,432	17,640	742,715	9,188	44,963	32,046	31,645	2,567	124,672	46,465
Minnesota State U., Mankato	2,754	0	1	548	0	52	59	121	72	1,486	415
St. Cloud State U.	3,056	75	217	441	0	15	8	206	7	71	2,016
U. Minnesota, Duluth	26,137	289	2,480	19,580	152	840	25	82	0	2,186	503
U. Minnesota, Morris	1,004	72	227	72	42	110	0	18	0	0	463
U. Minnesota, Twin Cities	1,042,382	22,996	14,715	722,074	8,994	43,946	31,954	31,218	2,488	120,929	43,068

TABLE 70

Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2020

(Dollars in thousands)

State, institutional control, and institution	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
Private	11,397	511	1,330	1,676	461	1,721	430	1,156	0	976	3,136
C. of Saint Benedict	1,069	51	11	149	17	167	27	65	0	0	582
Carleton C.	3,732	111	863	334	196	704	86	464	0	0	974
Macalester C.	1,755	140	390	297	138	377	41	182	0	0	190
Saint John's U., Collegetown	1,130	25	10	133	16	132	23	192	0	0	599
St. Olaf C.	1,032	167	38	249	51	106	43	219	0	0	159
U. of St. Thomas (MN)	2,679	17	18	514	43	235	210	34	0	976	632
Mississippi	506,660	6,042	48,518	228,919	2,467	45,719	2,689	43,979	6,812	90,481	31,034
Public	504,558	6,042	48,518	227,178	2,467	45,358	2,689	43,979	6,812	90,481	31,034
Alcorn State U.	13,710	0	0	7,918	0	0	0	5,659	0	133	0
Jackson State U.	15,081	502	189	2,129	97	9,903	25	201	465	1,468	102
Mississippi State U.	280,485	5,189	17,335	119,753	1,959	10,381	2,044	32,157	6,329	69,220	16,118
U. Mississippi	122,960	207	1,151	86,130	216	11,652	620	2,317	18	13,661	6,988
U. Southern Mississippi	72,322	144	29,843	11,248	195	13,422	0	3,645	0	5,999	7,826
Private	2,102	0	0	1,741	0	361	0	0	0	0	0
Tougaloo C.	2,102	0	0	1,741	0	361	0	0	0	0	0
Missouri	1,444,375	15,977	8,074	1,145,163	3,169	44,657	15,748	9,278	6,355	134,840	61,114
Public	449,797	9,346	1,391	256,514	1,930	19,314	9,303	7,639	3,052	108,398	32,910
Lincoln U., Jefferson City	5,777	0	0	5,404	150	26	0	92	105	0	0
Missouri State U.	13,131	53	95	1,812	0	418	28	357	0	10,257	111
Missouri U. of Science and Technology	47,001	2,648	0	971	222	6,107	173	61	184	36,447	188
U. Missouri, Columbia	332,180	4,187	988	220,890	1,279	9,173	7,898	3,957	2,191	53,343	28,274
U. Missouri, Kansas City	36,356	1,625	308	20,183	14	1,680	1,064	907	563	8,351	1,661
U. Missouri, Saint Louis	15,352	833	0	7,254	265	1,910	140	2,265	9	0	2,676
Private	994,578	6,631	6,683	888,649	1,239	25,343	6,445	1,639	3,303	26,442	28,204
Saint Louis U.	69,528	1,164	1,174	58,836	280	1,942	393	448	0	2,621	2,670
U. of Health Sciences and Pharmacy in St. Louis	4,835	0	0	4,835	0	0	0	0	0	0	0
Washington U., Saint Louis	920,215	5,467	5,509	824,978	959	23,401	6,052	1,191	3,303	23,821	25,534
Montana	290,297	3,205	19,306	139,137	3,723	25,927	1,150	18,619	8,097	43,164	27,969
Public	290,297	3,205	19,306	139,137	3,723	25,927	1,150	18,619	8,097	43,164	27,969
Montana State U., Bozeman	166,285	1,459	5,603	71,440	2,536	17,990	359	1,126	8,097	38,833	18,842

TABLE 70

Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2020

(Dollars in thousands)

State, institutional control, and institution	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
Montana Technological U.	12,987	0	7,825	708	0	123	0	0	0	4,331	0
Salish Kootenai C.	807	0	0	172	0	222	0	0	0	0	413
U. Montana, Missoula	110,218	1,746	5,878	66,817	1,187	7,592	791	17,493	0	0	8,714
Nebraska	586,777	14,033	3,431	400,285	5,938	27,821	13,455	17,215	1,967	61,222	41,410
Public	565,315	13,117	2,966	384,839	5,734	26,235	13,196	16,282	1,967	61,221	39,758
U. Nebraska, central administration	23,672	1,385	0	13,089	0	0	0	0	0	8,340	858
U. Nebraska, Kearney	2,640	6	5	1,953	8	320	30	104	97	1	116
U. Nebraska, Lincoln	320,463	8,541	2,943	161,499	5,526	25,853	12,761	14,322	1,805	51,685	35,528
U. Nebraska, Medical Center	202,406	0	0	202,406	0	0	0	0	0	0	0
U. Nebraska, Omaha	16,134	3,185	18	5,892	200	62	405	1,856	65	1,195	3,256
Private	21,462	916	465	15,446	204	1,586	259	933	0	1	1,652
Creighton U.	20,339	730 i	465 i	14,845 i	204 i	1,463 i	259 i	933 i	0 i	0 i	1,440 i
Doane U.	1,123 i	186 i	0 i	601 i	0 i	123 i	0 i	0 i	0 i	1 i	212 i
Nevada	296,470	8,627	44,308	114,030	4,688	19,258	9,197	13,359	2,606	36,668	43,729
Public	292,090	8,627	44,308	109,650	4,688	19,258	9,197	13,359	2,606	36,668	43,729
Desert Research Institute	26,428	0	22,889	3,539	0	0	0	0	0	0	0
U. Nevada, Las Vegas	105,872	1,077	6,342	34,733	2,347	9,692	3,767	6,306	613	12,729	28,266
U. Nevada, Reno	159,790	7,550	15,077	71,378	2,341	9,566	5,430	7,053	1,993	23,939	15,463
Private	4,380	0	0	4,380	0	0	0	0	0	0	0
Roseman U. of Health Sciences	4,380	0	0	4,380	0	0	0	0	0	0	0
New Hampshire	484,313	15,743	56,918	224,493	6,252	25,716	14,116	31,714	2,901	54,605	51,855
Public	157,964	854	51,677	53,789	404	4,497	877	11,344	0	23,465	11,057
Keene State C.	1,063	0	16	967	0	72	0	0	0	8	0
U. New Hampshire	156,901	854	51,661	52,822	404	4,425	877	11,344	0	23,457	11,057
Private	326,349	14,889	5,241	170,704	5,848	21,219	13,239	20,370	2,901	31,140	40,798
Dartmouth C. and Dartmouth Hitchcock Medical Center	326,349	14,889	5,241	170,704	5,848	21,219	13,239	20,370	2,901	31,140	40,798
New Jersey	1,385,864	49,337	61,426	661,050	28,907	143,494	23,256	79,899	4,926	249,947	83,622
Public	937,168	21,571	32,459	568,718	15,320	46,425	14,016	21,985	4,596	149,830	62,248
C. New Jersey	1,464	194	0	657	6	366	7	54	0	105	75

TABLE 70

Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2020

(Dollars in thousands)

State, institutional control, and institution	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
Kean U.	2,201	509	301	183	0	39	0	44	0	0	1,125
Montclair State U.	17,636	535	1,262	3,277	726	589	2,060	2,138	3	14	7,032
New Jersey City U.	262	24	0	65	47	82	15	0	1	0	28
New Jersey Institute of Technology	155,715	9,177	0	19,871	4,756	15,829	0	8,314	59	82,047	15,662
Rowan U.	26,018	482	409	11,115	0	664	504	311	0	11,784	749
Rutgers, State U. New Jersey, Camden	3,950	1,848	0	225	94	354	97	733	0	0	599
Rutgers, State U. New Jersey, New Brunswick	688,077	6,402	25,634	518,906	9,493	25,703	8,256	7,005	4,377	55,880	26,421
Rutgers, State U. New Jersey, Newark	28,006	2,269	1,485	13,014	0	2,384	2,132	1,678	156	0	4,888
Stockton U.	4,236	6	2,789	195	13	54	1	140	0	0	1,038
William Paterson U.	9,603	125	579	1,210	185	361	944	1,568	0	0	4,631
Private	448,696	27,766	28,967	92,332	13,587	97,069	9,240	57,914	330	100,117	21,374
Monmouth U.	1,729	0	1,621	88	0	19	0	1	0	0	0
Princeton U.	396,502	24,160	23,819	91,903	13,550	94,815	9,240	57,913	0	67,014	14,088
Seton Hall U.	5,718	0	0	138	0	401	0	0	0	0	5,179
Stevens Institute of Technology	44,747	3,606	3,527	203	37	1,834	0	0	330	33,103	2,107
New Mexico	376,331	11,417	19,223	191,984	1,663	36,331	7,103	11,093	8,756	80,853	7,908
Public	376,331	11,417	19,223	191,984	1,663	36,331	7,103	11,093	8,756	80,853	7,908
New Mexico Highlands U.	1,090	134	189	226	0	541	0	0	0	0	0
New Mexico Institute of Mining and Technology	24,591	2,780	6,729	260	53	1,361	0	0	0	13,084	324
New Mexico State U.	107,275	4,539	5,381	43,340	188	26,366	276	469	228	25,030	1,458
U. New Mexico	243,375	3,964	6,924	148,158	1,422	8,063	6,827	10,624	8,528	42,739	6,126
New York	7,156,316	167,687	154,846	4,648,805	48,637	448,369	117,494	164,944	29,120	999,626	376,788
Public	1,592,160	49,771	55,611	594,175	16,222	107,089	51,524	55,070	22,402	566,256	74,040
CUNY, Advanced Science Research Center	11,373	0	104	4,679	0	4,154	0	0	0	2,289	147
CUNY, Baruch C.	2,396	46	198	250	325	297	230	897	0	0	153
CUNY, Brooklyn C.	7,074	403	645	2,519	221	1,105	1,264	243	0	118	556
CUNY, C. Staten Island	3,682	66	0	1,277	691	860	342	4	0	294	148

TABLE 70

Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2020

(Dollars in thousands)

State, institutional control, and institution	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, City C.	45,632	1,490	1,699	7,167	389	9,591	693	6	0	23,140	1,457
CUNY, Graduate Center	4,787	0	0	116	23	630	576	2,238	0	30	1,174
CUNY, Graduate School of Public Health and Health Policy	12,177	0	0	10,899	0	0	1,278	0	0	0	0
CUNY, Hunter C.	38,345	1,726	1,339	8,957	174	4,197	14,507	3,051	0	0	4,394
CUNY, John Jay C. of Criminal Justice	13,939	195	0	92	5	507	3,546	210	2	0	9,382
CUNY, Lehman C.	4,154	476	37	256	271	2,208	1	180	0	0	725
CUNY, Medgar Evers C.	882	0	1	487	49	216	0	74	0	0	55
CUNY, New York City C. of Technology	2,130	177	0	496	409	212	0	6	235	367	228
CUNY, Queens C.	16,470	182	817	11,236	228	1,444	1,222	477	0	0	864
CUNY, system office	1,704	215	39	84	0	0	0	0	0	1,132	234
CUNY, York C.	1,691	0	527	494	0	568	0	59	0	0	43
SUNY, Binghamton U.	117,870	7,873	1,916	12,877	2,830	18,586	12,263	16,907	0	32,668	11,950
SUNY, Buffalo State	2,253	0	895	929	91	3	40	250	0	0	45
SUNY, C. Brockport	1,719	3	353	1,197	5	74	0	81	0	0	6
SUNY, C. of Environmental Science and Forestry	29,296	119	1,211	26,083	0	294	180	110	91	912	296
SUNY, C. of Optometry	3,477	0	0	3,477	0	0	0	0	0	0	0
SUNY, C. Plattsburgh	1,452	0	824	465	0	126	0	4	0	0	33
SUNY, Downstate Medical Center	33,204	0	0	33,204	0	0	0	0	0	0	0
SUNY, Geneseo	1,642	0	239	131	41	785	208	124	0	0	114
SUNY, Oswego	1,534	84	73	286	0	314	13	77	528	125	34
SUNY, Polytechnic Institute	355,651	0	0	1,977	0	0	0	0	0	353,542	132
SUNY, Stony Brook U.	263,470	10,909	25,334	121,070	7,629	41,224	4,946	2,881	16,030	30,180	3,267
SUNY, U. Albany	138,088	6,591	15,523	60,025	1,774	7,719	4,982	20,551	0	3,319	17,604
SUNY, U. Buffalo	422,038	18,747	3,739	241,467	1,067	11,161	5,113	6,356	1,147	112,843	20,398
SUNY, Upstate Medical U.	41,557	0	0	41,557	0	0	0	0	0	0	0
U.S. Military Academy	12,473	469	98	421	0	814	120	284	4,369	5,297	601
Private	5,564,156	117,916	99,235	4,054,630	32,415	341,280	65,970	109,874	6,718	433,370	302,748

TABLE 70

Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2020

(Dollars in thousands)

State, institutional control, and institution	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
Albany C. of Pharmacy and Health Sciences	3,765	0	0	3,765	0	0	0	0	0	0	0
Albany Medical C.	23,510	0	0	23,510	0	0	0	0	0	0	0
Albert Einstein C. of Medicine	288,654	0	0	288,654	0	0	0	0	0	0	0
Alfred U.	2,780	0	1	52	0	7	0	0	0	2,720	0
Barnard C.	3,748	149	60	692	27	885	1,343	293	0	0	299
Clarkson U.	15,104	517	59	999	780	2,217	86	74	0	9,363	1,009
Cold Spring Harbor Laboratory	115,198	0	0	115,051	0	0	0	0	0	0	147
Colgate U.	2,913	188	453	478	84	618	74	268	0	0	750
Columbia U. in the City of New York	1,032,909	25,101	78,288	744,239	4,118	37,384	5,234	14,784	0	72,758	51,003
Cornell U.	1,190,063	31,173	8,145	822,419	3,323	121,218	11,516	25,622	0	123,703	42,944
Fordham U.	20,456	390	0	1,435	173	747	1,632	1,095	0	0	14,984
Hamilton C.	1,869	89	15	81	18	208	100	274	0	0	1,084
Hobart and William Smith Colleges	2,114	0	148	1,563	83	175	7	31	0	0	107
Hofstra U.	1,445	6	4	575	4	10	15	64	0	299	468
Icahn School of Medicine at Mount Sinai	747,014	0	0	747,014	0	0	0	0	0	0	0
Ithaca C.	1,199	39	6	459	64	378	7	176	0	0	70
Long Island U.	13,997	0	345	6,526	457	784	1,189	847	0	0	3,849
Manhattan C.	1,307	0	0	66	147	71	0	64	0	716	243
Memorial Sloan Kettering Cancer Center, Louis V. Gerstner Jr. Graduate S. of Biomedical Sciences	3,737	0	0	3,737	0	0	0	0	0	0	0
New School	13,186	6	537	324	0	0	1,249	3,790	144	3,205	3,931
New York Institute of Technology	3,580	188	0	2,757	0	0	0	70	0	458	107
New York Medical C.	20,137	0	0	20,137	0	0	0	0	0	0	0
New York U.	947,293	14,584	401	643,638	13,465	26,698	28,468	30,676	53	100,207	89,103
Niagara U.	1,124	0	0	76	9	54	0	22	41	0	922

TABLE 70

Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2020

(Dollars in thousands)

State, institutional control, and institution	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
Pace U.	4,272	1,043	0	1,166	6	138	16	192	0	516	1,195
Rensselaer Polytechnic Institute	107,623	14,484	2,837	6,102	2,808	12,143	3,568	355	0	57,923	7,403
Rochester Institute of Technology	57,777	8,910	0	1,238	2,040	13,830	60	2,584	0	20,910	8,205
Rockefeller U.	356,217	9,058	986	337,377	1,612	7,184	0	0	0	0	0
Skidmore C.	2,412	6	632	937	12	363	325	41	0	0	96
St. Bonaventure U.	585	8	0	102	0	50	0	0	47	0	378
St. John's U., New York	3,282	9	0	2,324	66	405	126	0	0	0	352
Syracuse U.	149,652	5,081	3,060	10,724	2,528	13,905	3,771	14,165	184	24,272	71,962
Teachers C., Columbia U.	22,630	2,459	0	4,455	0	0	1,387	13,869	0	0	460
U. Rochester	397,211	4,021	3,104	259,224	201	101,004	5,576	279	6,249	16,116	1,437
Union C., Schenectady	1,062	7	154	60	33	268	0	111	0	204	225
Vassar C.	1,568	400	0	197	357	250	221	128	0	0	15
Yeshiva U.	2,763	0	0	2,477	0	286	0	0	0	0	0
North Carolina	3,385,735	65,157	68,136	2,422,196	40,041	105,884	60,767	139,146	14,501	341,820	128,087
Public	1,937,751	58,865	58,461	1,194,067	29,528	80,667	49,884	101,491	14,491	244,895	105,402
Appalachian State U.	4,894	336	499	1,879	90	408	344	585	0	0	753
East Carolina U.	57,820	828	4,586	33,206	75	2,168	1,321	1,886	0	3,053	10,697
Elizabeth City State U.	1,473	112	176	435	287	0	0	0	0	0	463
Fayetteville State U.	2,797	131	0	1,483	0	260	0	111	0	0	812
North Carolina Agricultural and Technical State U.	36,151	1,742	31	16,663	818	1,638	30	67	0	10,393	4,769
North Carolina Central U.	15,833	28	321	7,233	0	3,027	0	415	0	2,675	2,134
North Carolina State U.	546,290	16,119	27,010	240,399	20,164	23,464	2,479	9,826	13,888	174,740	18,201
U. North Carolina, Asheville	4,789	310	84	1,559	0	958	18	2	0	1	1,857
U. North Carolina, Chapel Hill	1,159,725	26,765	19,242	868,276	6,729	39,979	41,741	82,154	116	30,774	43,949
U. North Carolina, Charlotte	50,050	10,163	1,009	4,512	1,029	4,003	711	3,973	0	19,781	4,869
U. North Carolina, general administration	3,942	1,168	0	222	0	75	0	0	0	2,467	10
U. North Carolina, Greensboro	28,966	510	0	7,582	215	3,505	2,805	747	0	0	13,602

TABLE 70

Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2020

(Dollars in thousands)

State, institutional control, and institution	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. North Carolina, Wilmington	16,544	210	5,206	7,090	105	375	183	709	487	640	1,539
Western Carolina U.	2,696	0	297	1,128	11	253	0	292	0	371	344
Winston-Salem State U.	5,781	443	0	2,400	5	554	252	724	0	0	1,403
Private	1,447,984	6,292	9,675	1,228,129	10,513	25,217	10,883	37,655	10	96,925	22,685
Davidson C.	2,263	0	0	322	142	242	975	161	0	0	421
Duke U.	1,196,638	6,019	9,675	990,897	9,842	22,396	8,953	36,760	10	95,657	16,429
Elon U.	1,968	36	0	344	0	83	108	274	0	45	1,078
Johnson C. Smith U.	2,472	11	0	412	0	300	0	0	0	364	1,385
Wake Forest U.	244,643	226	0	236,154	529	2,196	847	460	0	859	3,372
North Dakota	267,308	6,632	7,334	133,219	1,554	9,991	4,304	16,831	5,531	66,518	15,394
Public	267,308	6,632	7,334	133,219	1,554	9,991	4,304	16,831	5,531	66,518	15,394
North Dakota State U.	155,645	3,433	553	101,693	1,120	6,502	2,798	15,215	4,546	14,007	5,778
U. North Dakota	111,663	3,199	6,781	31,526	434	3,489	1,506	1,616	985	52,511	9,616
Ohio	2,518,803	40,336	25,513	1,565,786	11,788	120,802	23,217	50,791	31,048	526,854	122,668
Public	1,911,016	32,846	23,354	1,179,211	11,305	110,853	21,911	46,255	30,607	335,861	118,813
Air Force Institute of Technology	35,584	2,441	742	0	658	7,796	0	0	0	23,947	0
Bowling Green State U.	18,729	274	1,903	1,766	532	2,326	1,444	3,333	0	121	7,030
Central State U.	6,107	0	126	5,451	37	6	0	0	321	166	0
Cleveland State U.	78,189	0	0	46,618	784	1,547	653	6,265	0	16,225	6,097
Kent State U.	50,307	1,766	958	8,335	1,309	8,381	4,776	4,793	868	2,743	16,378
Miami U.	24,489	721	1,354	12,044	310	1,329	1,685	582	0	3,783	2,681
Northeast Ohio Medical U.	15,758	0	0	15,579	0	0	0	40	137	0	2
Ohio State U.	968,260	22,869	9,158	590,076	5,881	57,083	7,542	18,486	27,995	175,109	54,061
Ohio U.	51,914	703	1,697	15,375	90	5,370	1,827	960	56	16,291	9,545
U. Akron	23,496	1	285	1,882	82	8,576	328	95	1	11,345	901
U. Cincinnati	530,138	2,031	1,171	440,721	1,422	8,874	1,667	11,291	977	43,098	18,886
U. Toledo	54,100	0	5,748	27,748	49	7,445	452	378	0	10,023	2,257
Wright State U.	49,825	2,034	210	13,515	145	1,774	1,525	0	252	29,519	851
Youngstown State U.	4,120	6	2	101	6	346	12	32	0	3,491	124
Private	607,787	7,490	2,159	386,575	483	9,949	1,306	4,536	441	190,993	3,855
C. Wooster	1,076	112	59	257	104	235	38	18	0	0	253

TABLE 70

Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2020

(Dollars in thousands)

State, institutional control, and institution	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
Case Western Reserve U.	439,778	34	523	384,857	355	8,063	1,155	4,386	441	37,911	2,053
Heidelberg U.	1,125	0	1,125	0	0	0	0	0	0	0	0
Kenyon C.	908	0	0	534	16	300	29	17	0	0	12
Oberlin C.	1,182	144	93	295	4	483	51	77	0	0	35
U. Dayton	163,718	7,200	359	632	4	868	33	38	0	153,082	1,502
Oklahoma	604,114	11,746	87,895	265,609	6,363	29,752	11,670	32,454	6,634	85,883	66,108
Public	585,327	8,607	87,682	264,931	6,359	29,328	11,066	32,211	6,634	72,701	65,808
Langston U.	14,409	0	0	13,843	2	109	0	0	0	0	455
Oklahoma State U., Center for Health Sciences	8,378	95	0	7,616	0	0	373	0	0	258	36
Oklahoma State U., Stillwater	187,060	5,361	2,870	75,506	4,213	9,784	9,085	6,251	6,533	33,983	33,474
U. Central Oklahoma	5,788	132	0	366	126	696	0	0	101	1	4,366
U. Oklahoma, Norman and Health Science Center	362,209	3,019	84,812	164,967	2,018	18,739	1,608	25,818	0	36,643	24,585
U. Oklahoma, Tulsa	7,483	0	0	2,633	0	0	0	142	0	1,816	2,892
Private	18,787	3,139	213	678	4	424	604	243	0	13,182	300
U. Tulsa	18,787	3,139	213	678	4	424	604	243	0	13,182	300
Oregon	894,789	15,166	48,659	636,331	4,142	22,148	21,231	20,041	7,802	71,154	48,115
Public	877,468	15,066	48,443	628,646	3,693	20,124	20,561	19,489	7,296	71,154	42,996
Oregon Health and Science U.	446,890	0	0	433,917	0	0	53	0	0	12,856	64
Oregon Institute of Technology	4,267	37	312	1,741	77	0	122	0	0	679	1,299
Oregon State U.	268,385	8,213	39,215	143,505	1,595	4,814	1,115	6,696	6,373	50,900	5,959
Portland State U.	43,667	1,164	2,212	13,547	1,115	2,326	1,766	3,882	923	6,719	10,013
U. Oregon	114,259	5,652	6,704	35,936	906	12,984	17,505	8,911	0	0	25,661
Private	17,321	100	216	7,685	449	2,024	670	552	506	0	5,119
Lewis and Clark C.	3,350	32	212	651	174	749	69	20	0	0	1,443
National U. of Natural Medicine	1,428	0	0	1,428	0	0	0	0	0	0	0
Pacific U.	5,842	0	0	3,852	42	120	2	90	434	0	1,302
Reed C.	5,155	68	0	1,573	223	886	473	439	0	0	1,493

TABLE 70

Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2020

(Dollars in thousands)

State, institutional control, and institution	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
Willamette U.	1,546	0	4	181	10	269	126	3	72	0	881
Pennsylvania	4,820,355	332,047	61,109	2,955,896	46,565	240,076	104,442	113,428	23,261	685,332	258,199
Public	2,413,716	105,290	54,990	1,464,757	25,331	141,194	70,543	42,505	11,077	431,916	66,113
Indiana U. Pennsylvania	6,531	331	161	1,251	26	425	630	842	2	0	2,863
Pennsylvania State U., Behrend	1,743	119	250	21	21	44	11	15	0	1,232	30
Pennsylvania State U., Harrisburg	1,866	130	5	411	0	0	0	1,178	0	74	68
Pennsylvania State U., University Park and Hershey Medical Center	991,923	89,490	41,590	291,299	17,706	94,201	40,599	27,842	0	367,730	21,466
Temple U.	299,707	5,901	2,044	216,388	3,213	18,447	11,418	6,746	807	9,294	25,449
U. Pittsburgh, Pittsburgh	1,105,532	9,312	10,875	954,315	4,169	27,652	17,680	4,990	10,268	53,586	12,685
West Chester U. Pennsylvania	6,414	7	65	1,072	196	425	205	892	0	0	3,552
Private	2,406,639	226,757	6,119	1,491,139	21,234	98,882	33,899	70,923	12,184	253,416	192,086
Bryn Mawr C.	11,575	691	260	705	561	1,423	295	1,573	0	0	6,067
Bucknell U.	5,339 i	189 i	89 i	578 i	399 i	512 i	144 i	112 i	284 i	1,550 i	1,482 i
Carnegie Mellon U.	386,996	192,119	448	14,696	12,000	21,580	11,507	12,461	5,365	102,955	13,865
Dickinson C.	929	0	106	369	9	28	41	81	0	0	295
Drexel U.	143,123	4,105	0	89,027	546	2,437	2,852	2,854	1,741	31,230	8,331
Duquesne U.	17,485	0	584	9,914	233	2,326	414	6	0	374	3,634
Franklin and Marshall C.	3,623	7	232	578	52	539	68	440	3	0	1,704
Gettysburg C.	913	3	25	260	5	203	91	226	0	0	100
Haverford C.	4,473	101 i	229 i	926 i	127 i	2,581 i	173 i	336 i	0 i	0 i	0
La Salle U.	818	45	0	14	0	0	2	38	0	0	719
Lafayette C.	1,390	101	8	94	69	388	155	119	0	251	205
Lehigh U.	38,064	2,333	1,510	4,121	228	3,495	561	95	30	24,054	1,637
Mercyhurst U.	1,850 i	67 i	42 i	1,350 i	19 i	132 i	23 i	84 i	2 i	0 i	131 i
Philadelphia C. of Osteopathic Medicine	3,360	0	0	3,360	0	0	0	0	0	0	0
Saint Joseph's U.	3,150	136	0	761	6	194	457	194	0	0	1,402
Swarthmore C.	3,544	15	0	841	103	734	117	274	89	367	1,004

TABLE 70

Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2020

(Dollars in thousands)

State, institutional control, and institution	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
Thomas Jefferson U.	171,377	0	0	171,207	0	0	4	0	0	143	23
U. of the Sciences Philadelphia	3,761	0	0	3,181	0	580	0	0	0	0	0
U. Pennsylvania	1,579,364	26,318	1,760	1,185,719	6,817	58,157	15,854	51,374	4,670	82,299	146,396
Villanova U.	25,505	527	826	3,438	60	3,573	1,141	656	0	10,193	5,091
Rhode Island	395,730	16,325	49,478	164,345	12,234	22,466	10,392	34,075	20,602	34,177	31,636
Public	126,005	586	42,634	28,507	0	4,230	2,230	3,136	12,716	10,182	21,784
Naval War C.	5,944	0	0	0	0	0	0	724	0	0	5,220
Rhode Island C.	10,094	63	0	808	0	361	171	35	0	0	8,656
U. Rhode Island	109,967	523	42,634	27,699	0	3,869	2,059	2,377	12,716	10,182	7,908
Private	269,725	15,739	6,844	135,838	12,234	18,236	8,162	30,939	7,886	23,995	9,852
Brown U.	266,127	15,695	5,954	134,751	12,204	17,745	7,889	30,782	7,886	23,965	9,256
Providence C.	1,092	0	160	422	0	390	70	18	0	0	32
Rhode Island School of Design	975	44	0	476	0	0	0	137	0	0	318
Roger Williams U.	1,531	0	730	189	30	101	203	2	0	30	246
South Carolina	742,557	11,006	11,381	449,154	4,565	18,955	10,520	24,051	1,083	122,312	89,530
Public	737,897	10,363	11,231	447,379	4,508	17,626	10,495	23,812	1,083	121,894	89,506
C. Charleston	5,728	162	1,048	1,128	81	700	42	113	801	67	1,586
Citadel Military C. South Carolina	1,012	380	0	109	3	119	32	16	0	34	319
Clemson U.	228,597	4,852	0	71,776	2,607	10,823	633	6,680	0	76,971	54,255
Coastal Carolina U.	1,903	56	1,690	157	0	0	0	0	0	0	0
Medical U. South Carolina	272,590	0	0	272,590	0	0	0	0	0	0	0
South Carolina State U.	3,796	104	0	1,367	0	965	0	0	0	687	673
U. South Carolina, Aiken	2,590	0	119	962	0	51	20	6	0	1,331	101
U. South Carolina, Columbia	219,464	4,809	8,374	98,789	1,817	4,651	9,768	16,626	271	42,804	31,555
Winthrop U.	2,217	0	0	501	0	317	0	371	11	0	1,017
Private	4,660	643	150	1,775	57	1,329	25	239	0	418	24
Benedict C.	649	98	66	45	44	146	0	0	0	248	2
Clafin U.	1,910	500	37	857	13	258	0	75	0	170	0
Furman U.	2,101	45	47	873	0	925	25	164	0	0	22
South Dakota	110,619	5,678	927	67,703	919	7,569	879	2,480	0	19,552	4,912

TABLE 70

Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2020

(Dollars in thousands)

State, institutional control, and institution	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
Public	110,619	5,678	927	67,703	919	7,569	879	2,480	0	19,552	4,912
Black Hills State U.	1,499	480	0	824	19	116	0	0	0	0	60
Dakota State U.	4,412	4,337	18	48	0	0	0	9	0	0	0
South Dakota School of Mines and Technology	14,490	49	0	0	339	1,425	0	0	0	12,677	0
South Dakota State U.	60,939	13	904	49,659	401	1,974	192	1,967	0	5,490	339
U. South Dakota	29,279	799	5	17,172	160	4,054	687	504	0	1,385	4,513
Tennessee	1,398,914	26,131	13,438	866,279	6,683	55,292	30,092	28,945	23,411	247,349	101,294
Public	555,337	26,000	11,519	222,632	4,972	26,990	14,398	21,723	23,411	152,536	51,156
Austin Peay State U.	2,833	0	596	1,333	3	15	3	2	22	0	859
East Tennessee State U.	13,925	19	0	10,103	149	439	2,755	88	0	65	307
Middle Tennessee State U.	8,697	245	48	2,029	39	596	58	1,583	0	182	3,917
Tennessee State U.	15,377	148	0	12,466	111	457	245	6	0	1,480	464
Tennessee Technological U.	14,085	2,221	60	2,306	59	1,178	175	55	0	7,559	472
U. Memphis	69,463	8,486	5,493	10,395	1,241	3,014	5,455	7,750	1,618	10,741	15,270
U. Tennessee, Chattanooga	10,834	975	0	1,036	189	52	242	68	3,179	3,319	1,774
U. Tennessee, Health Science Center	99,716	0	0	98,345	0	0	0	0	723	648	0
U. Tennessee, Knoxville ^c	320,407	13,906	5,322	84,619	3,181	21,239	5,465	12,171	17,869	128,542	28,093
Private	843,577	131	1,919	643,647	1,711	28,302	15,694	7,222	0	94,813	50,138
Fisk U.	3,904	93	0	3,585	12	212	0	2	0	0	0
Lipscomb U.	1,000	38	0	643	10	73	12	33	0	139	52
Meharry Medical C.	13,870	0	0	13,870	0	0	0	0	0	0	0
Vanderbilt U. and Vanderbilt U. Medical Center	824,803	0	1,919	625,549	1,689	28,017	15,682	7,187	0	94,674	50,086
Texas	6,619,640	229,842	237,344	4,004,305	84,128	344,083	87,181	137,557	35,481	1,026,651	433,068
Public	5,622,586	216,062	223,075	3,289,147	71,662	296,362	77,663	114,167	18,949	920,227	395,272
Lamar U.	4,327	74	0	285	55	80	0	20	0	1,825	1,988
Midwestern State U.	891	16	125	602	7	22	5	0	0	25	89
Prairie View A&M U.	18,723	292	62	8,280	145	1,353	536	213	0	5,222	2,620
Sam Houston State U.	12,437	18	72	1,730	338	481	602	2,444	53	20	6,679
Stephen F. Austin State U.	3,672	0	177	1,848	129	36	10	250	0	6	1,216
Sul Ross State U.	2,068	0	22	1,595	0	0	0	451	0	0	0

TABLE 70

Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2020

(Dollars in thousands)

State, institutional control, and institution	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
Tarleton State U.	14,890	412	3,188	6,429	450	263	294	639	422	156	2,637
Texas A&M International U.	3,067	80	84	333	1	42	34	59	1,009	71	1,354
Texas A&M U., College Station and Health Science Center	1,130,803	18,504	107,894	502,372	8,768	54,574	5,248	29,389	5,636	357,559	40,859
Texas A&M U.-Commerce	4,166	94	0	924	26	939	374	139	0	48	1,622
Texas A&M U.-Corpus Christi	32,284	222	11,900	6,975	21	1,437	0	151	476	7,064	4,038
Texas A&M U.-Kingsville	22,745	0	849	16,722	0	164	98	0	82	2,653	2,177
Texas Southern U.	4,782	159	189	2,673	204	661	0	0	0	93	803
Texas State U.	70,714	2,197	7,357	12,417	1,038	2,208	223	4,907	2,003	6,892	31,472
Texas Tech U.	199,643	5,111	8,913	49,230	3,402	15,103	10,670	11,877	0	42,856	52,481
Texas Tech U., Health Sciences Center	44,135	0	0	43,102	0	0	0	0	0	0	1,033
Texas Tech U., Health Sciences Center, El Paso	10,421	0	0	10,294	0	0	0	0	0	0	127
Texas Woman's U.	4,135	14	0	2,259	23	204	488	200	50	0	897
U. Houston	200,428	5,599	9,437	34,394	3,596	50,164	13,999	1,536	647	55,210	25,846
U. Houston-Clear Lake	1,363	111	0	347	0	403	145	120	0	2	235
U. Houston-Downtown	2,299	95	94	46	10	72	0	247	82	36	1,617
U. North Texas, Denton	84,239	4,769	2,064	12,745	1,676	9,275	4,489	7,541	0	15,205	26,475
U. North Texas, Health Science Center	47,392	0	0	46,526	0	0	0	866	0	0	0
U. Texas Health Science Center, Houston	273,862	0	0	273,862	0	0	0	0	0	0	0
U. Texas Health Science Center, San Antonio	202,572	0	0	202,572	0	0	0	0	0	0	0
U. Texas Health Science Center, Tyler	21,265	0	0	21,265	0	0	0	0	0	0	0
U. Texas M. D. Anderson Cancer Center	1,051,297	0	0	981,164	21,622	19,060	16,860	12,591	0	0	0
U. Texas Medical Branch	180,595	0	0	179,403	0	0	0	0	0	1,192	0
U. Texas of the Permian Basin	2,105	0	0	335	0	24	7	320	36	217	1,166

TABLE 70

Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2020

(Dollars in thousands)

State, institutional control, and institution	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. Texas Rio Grande Valley	56,702	1,520	1,769	28,351	2,174	5,148	917	3,660	53	4,018	9,092
U. Texas Southwestern Medical Center	595,939	0	0	595,939	0	0	0	0	0	0	0
U. Texas, Arlington	133,793	7,572	877	18,430	2,053	17,257	1,329	104	0	59,395	26,776
U. Texas, Austin	797,199	139,290	61,145	130,377	20,290	81,380	10,435	20,650	3,413	259,935	70,284
U. Texas, Dallas	132,192	9,992	856	35,986	1,155	17,759	789	2,166	16	50,812	12,661
U. Texas, El Paso	108,628	7,597	3,426	28,552	2,927	6,775	5,285	4,161	3,542	25,172	21,191
U. Texas, San Antonio	138,586	12,064	2,354	25,911	1,529	11,234	4,716	9,447	1,429	22,922	46,980
U. Texas, Tyler	2,007	50	2	1,302	22	33	110	19	0	344	125
West Texas A&M U.	6,220	210	219	3,570	1	211	0	0	0	1,277	732
Private	997,054	13,780	14,269	715,158	12,466	47,721	9,518	23,390	16,532	106,424	37,796
Baylor C. of Medicine	685,641	0	0	685,641	0	0	0	0	0	0	0
Baylor U.	39,765	1,011	2,185	7,456	933	6,993	2,726	1,945	3,549	4,515	8,452
Rice U.	198,681	10,760	5,152	16,008	9,363	33,656	4,798	19,959	604	91,913	6,468
Southern Methodist U.	43,081	683	6,100	2,144	1,291	3,847	1,457	326	1,236	9,798	16,199
St. Edward's U.	9,619	1,150	528	1,620	645	1,074	20	340	0	0	4,242
Texas Christian U.	15,326	126	248	822	2	695	189	319	11,143	46	1,736
Trinity U.	3,472	50	56	505	84	1,230	328	501	0	80	638
U. of the Incarnate Word	1,469	0	0	962	148	226	0	0	0	72	61
Utah	950,562	41,180	21,074	467,307	5,259	42,154	16,194	18,362	650	300,189	38,193
Public	911,993	39,830	20,613	458,089	4,911	36,886	15,896	17,438	650	284,246	33,434
U. Utah	607,061	37,159	20,011	402,001	4,065	30,170	11,198	14,837	189	57,608	29,823
Utah State U.	304,256	2,538	511	56,017	846	6,606	4,698	2,601	461	226,616	3,362
Weber State U.	676	133	91	71	0	110	0	0	0	22	249
Private	38,569	1,350	461	9,218	348	5,268	298	924	0	15,943	4,759
Brigham Young U., Provo	38,569	1,350	461	9,218	348	5,268	298	924	0	15,943	4,759
Vermont	193,824	3,153	2,956	143,380	2,154	5,473	3,435	4,557	5,188	11,209	12,319
Public	191,147	3,036	2,716	142,081	2,154	4,877	3,084	4,492	5,179	11,209	12,319
U. Vermont	191,147	3,036	2,716	142,081	2,154	4,877	3,084	4,492	5,179	11,209	12,319
Private	2,677	117	240	1,299	0	596	351	65	9	0	0
Middlebury C.	1,720	117	240	615	0	429	245	65	9	0	0
Saint Michael's C.	957	0	0	684	0	167	106	0	0	0	0

TABLE 70

Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2020

(Dollars in thousands)

State, institutional control, and institution	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
Virginia	1,921,215	93,901	61,757	917,366	13,981	80,262	32,704	114,169	2,816	449,361	154,898
Public	1,897,975	93,202	58,241	907,074	13,647	76,690	32,373	113,060	2,816	447,657	153,215
Christopher Newport U.	2,608	0	0	644	7	829	50	148	0	566	364
Eastern Virginia Medical School	20,870	0	0	20,870	0	0	0	0	0	0	0
George Mason U.	221,006	23,969	10,679	33,163	1,941	5,586	3,196	67,966	0	52,423	22,083
James Madison U.	10,247	325	753	1,844	159	1,337	1,379	37	30	305	4,078
Norfolk State U.	7,153	4,921	0	114	48	726	0	0	0	1,312	32
Old Dominion U.	65,704	2,196	4,166	14,463	1,239	7,028	1,419	2,482	0	25,869	6,842
U. of Mary Washington	1,393	45	97	132	8	62	32	73	0	0	944
U. Virginia, Charlottesville	652,002	26,286	6,040	420,679	1,593	27,628	10,335	16,948	2,567	72,602	67,324
Virginia Commonwealth U.	283,874	2,138	354	206,550	793	3,499	10,743	1,701	0	29,811	28,285
Virginia Polytechnic Institute and State U.	556,341	30,405	3,068	199,798	6,776	24,214	4,899	13,082	219	263,711	10,169
Virginia State U.	10,014	0	0	6,123	645	0	0	0	0	1,058	2,188
William & Mary	66,763	2,917	33,084	2,694	438	5,781	320	10,623	0	0	10,906
Private	23,240	699	3,516	10,292	334	3,572	331	1,109	0	1,704	1,683
Edward Via C. of Osteopathic Medicine	7,475	0	0	7,475	0	0	0	0	0	0	0
Hampton U.	11,402	699	3,454	1,745	226	3,142	0	710	0	866	560
Liberty U.	1,894	0	0	307	2	0	15	5	0	838	727
U. Richmond	2,469	0	62	765	106	430	316	394	0	0	396
Washington	1,827,021	37,372	153,786	1,163,529	8,299	87,344	13,968	31,799	738	193,701	136,485
Public	1,823,201	37,351	153,720	1,162,567	8,111	86,571	13,938	31,383	738	193,561	135,261
Central Washington U.	2,674	58	1,525	449	104	306	1	116	0	61	54
Eastern Washington U.	2,282	0	58	422	15	66	47	1,613	0	0	61
Northwest Indian C.	2,708	1	1,033	103	0	0	0	1,044	0	0	527
U. Washington, Bothell	7,107	41	371	558	31	156	0	0	103	0	5,847
U. Washington, Seattle	1,456,902	27,986	135,307	963,264	7,120	60,477	8,802	15,458	0	152,919	85,569
U. Washington, Tacoma	3,504	696	2,089	164	47	0	0	124	0	59	325
Washington State U.	335,201	8,251	9,440	196,649	447	24,243	3,875	12,338	55	39,533	40,370
Western Washington U.	12,823	318	3,897	958	347	1,323	1,213	690	580	989	2,508
Private	3,820	21	66	962	188	773	30	416	0	140	1,224

TABLE 70

Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2020

(Dollars in thousands)

State, institutional control, and institution	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
Seattle U.	2,060	21	42	156	184	165	0	200	0	140	1,152
U. Puget Sound	895	0	1	379	4	252	5	182	0	0	72
Whitman C.	865	0	23	427	0	356	25	34	0	0	0
West Virginia	217,788	2,291	9,883	131,068	483	14,065	1,773	3,595	1,257	42,032	11,341
Public	217,788	2,291	9,883	131,068	483	14,065	1,773	3,595	1,257	42,032	11,341
Marshall U.	22,250	287	258	16,302	1	1,030	0	5	0	1,137	3,230
West Virginia School of Osteopathic Medicine	1,311	0	0	1,303	0	0	0	0	0	0	8
West Virginia State U.	5,775	110	0	5,199	0	357	0	0	0	109	0
West Virginia U.	188,452	1,894	9,625	108,264	482	12,678	1,773	3,590	1,257	40,786	8,103
Wisconsin	1,746,799	29,449	72,842	1,127,103	13,451	97,171	17,914	68,477	47,084	165,956	107,352
Public	1,442,148	28,615	72,842	859,624	11,717	94,405	16,774	67,469	47,084	144,250	99,368
U. Wisconsin-Eau Claire	1,318	0	8	126	82	814	173	72	0	0	43
U. Wisconsin-Green Bay	1,982	57 i	90 i	1,114 i	18 i	125 i	34 i	73 i	0 i	338 i	133 i
U. Wisconsin-La Crosse	2,795	68	35	851	112	416	10	1,024	54	0	225
U. Wisconsin-Madison	1,363,931	28,241	65,000	839,302	6,675	83,687	12,090	59,239	44,219	133,600	91,878
U. Wisconsin-Milwaukee	61,069	116	7,288	10,279	4,792	8,699	4,404	6,710	2,811	9,683	6,287
U. Wisconsin-Oshkosh	1,777 i	60 i	94 i	989 i	17 i	128 i	35 i	53 i	0 i	312 i	89 i
U. Wisconsin-Platteville	1,104 i	18 i	71 i	396 i	21 i	101 i	28 i	63 i	0 i	145 i	261 i
U. Wisconsin-River Falls	1,107	55	0	224	0	330	0	0	0	103	395
U. Wisconsin-Stevens Point	4,764	0	226	4,317	0	105	0	5	0	60	51
U. Wisconsin-Superior	2,301	0	30	2,026	0	0	0	230	0	9	6
Private	304,651	834	0	267,479	1,734	2,766	1,140	1,008	0	21,706	7,984
Marquette U.	37,136	834	0	11,696	1,734	2,681	1,140	1,008	0	10,059	7,984
Medical C. Wisconsin	264,325	0	0	255,783	0	0	0	0	0	8,542	0
Milwaukee School of Engineering	3,190	0	0	0	0	85	0	0	0	3,105	0
Wyoming	93,061	581	12,944	47,073	1,276	1,248	664	535	7,100	20,317	1,323
Public	93,061	581	12,944	47,073	1,276	1,248	664	535	7,100	20,317	1,323
U. Wyoming	93,061	581	12,944	47,073	1,276	1,248	664	535	7,100	20,317	1,323
Guam	13,043	0	2,696	9,824	0	0	0	154	0	0	369
Public	13,043	0	2,696	9,824	0	0	0	154	0	0	369
U. Guam	13,043	0	2,696	9,824	0	0	0	154	0	0	369

TABLE 70

Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2020

(Dollars in thousands)

State, institutional control, and institution	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
Puerto Rico	111,101	1,020	9,377	62,460	191	7,431	156	1,812	4,451	18,515	5,688
Public	90,095	207	9,377	43,926	191	7,069	154	1,812	4,451	17,244	5,664
U. Puerto Rico, Cayey	1,974	0	0	1,092	0	203	53	460	166	0	0
U. Puerto Rico, Humacao	1,456	0	0	255	1	1,090	101	0	9	0	0
U. Puerto Rico, Mayaguez	26,553	0	5,487	1,881	45	1,347	0	233	0	16,903	657
U. Puerto Rico, Medical Sciences Campus	37,217	0	136	37,081	0	0	0	0	0	0	0
U. Puerto Rico, Rio Piedras	22,895	207	3,754	3,617	145	4,429	0	1,119	4,276	341	5,007
Private	21,006	813	0	18,534	0	362	2	0	0	1,271	24
Polytechnic U. Puerto Rico	813	813	0	0	0	0	0	0	0	0	0
Ponce Health Sciences U.	13,566	0	0	13,566	0	0	0	0	0	0	0
U. Ana G. Mendez, Carolina	647	0	0	258	0	0	2	0	0	387	0
U. Ana G. Mendez, Gurabo	2,049	0	0	779	0	362	0	0	0	884	24
U. Central del Caribe	3,931	0	0	3,931	0	0	0	0	0	0	0
Virgin Islands	13,631	148	3,639	7,103	694	908	0	228	0	902	9
Public	13,631	148	3,639	7,103	694	908	0	228	0	902	9
U. of the Virgin Islands	13,631	148	3,639	7,103	694	908	0	228	0	902	9

i = imputed.

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

^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 Johns Hopkins University includes the Applied Physics Laboratory, with \$1,909,094 thousand in total R&D expenditures in FY 2020.

^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.

Source(s):

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