

TABLE 69

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

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Source of funds					
		Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
United States	86,296,178	46,143,829	4,596,633	21,946,790	5,184,925	5,745,238	2,678,763
Public	56,663,756	28,492,277	4,204,494	15,609,925	3,175,941	3,281,118	1,900,001
Private	29,632,422	17,651,552	392,139	6,336,865	2,008,984	2,464,120	778,762
Alabama	1,186,697	668,862	64,666	329,347	70,597	36,810	16,415
Public	1,165,724	653,740	62,042	326,641	70,597	36,810	15,894
Alabama A&M U.	8,749	5,643	2,541	448	117	0	0
Alabama State U.	2,582	2,582	0	0	0	0	0
Auburn U., Auburn	255,281	73,468	31,628	130,268	6,700	1,632	11,585
Jacksonville State U.	1,244	1,216	0	28	0	0	0
Troy U.	1,692	1,591	0	66	16	19	0
U. Alabama, Birmingham	618,226	400,110	8,209	116,242	58,758	33,706	1,201
U. Alabama, Huntsville	131,648	104,288	3,407	22,569	970	282	132
U. Alabama, Tuscaloosa	95,200	43,017	16,018	32,141	2,525	1,071	428
U. South Alabama	51,102	21,825	239	24,879	1,511	100	2,548
Private	20,973	15,122	2,624	2,706	0	0	521
Tuskegee U.	20,973	15,122	2,624	2,706	0	0	521
Alaska	177,537	117,950	4,792	45,529	4,320	2,182	2,764
Public	176,276	117,802	4,792	45,529	3,220	2,172	2,761
U. Alaska, Anchorage	22,713	15,290	2,385	4,030	446	368	194
U. Alaska, Fairbanks	152,299	101,414	2,342	41,423	2,774	1,779	2,567
U. Alaska, Southeast	1,264	1,098	65	76	0	25	0
Private	1,261	148	0	0	1,100	10	3
Alaska Pacific U.	1,261	148	0	0	1,100	10	3
Arizona	1,499,135	646,691	81,387	495,474	41,711	98,767	135,105
Public	1,499,135	646,691	81,387	495,474	41,711	98,767	135,105
Arizona State U.	673,357	278,150	40,835	248,659	18,148	62,702	24,863
Dine C.	347	347	0	0	0	0	0
Northern Arizona U.	64,456	39,387	7,342	15,645	523	1,358	201
U. Arizona	760,975	328,807	33,210	231,170	23,040	34,707	110,041
Arkansas	370,782	135,777	71,649	127,066	19,742	11,605	4,943
Public	370,782	135,777	71,649	127,066	19,742	11,605	4,943
Arkansas State U., Jonesboro	8,640	4,712	2,987	746	187	1	7
U. Arkansas for Medical Sciences	174,549	70,508	11,085	69,885	12,826	5,537	4,708
U. Arkansas, Fayetteville	165,887	47,454	54,705	51,260	6,648	5,592	228
U. Arkansas, Little Rock	9,711	7,289	259	1,812	31	320	0
U. Arkansas, Pine Bluff	8,540	4,393	1,748	2,309	0	90	0
U. Central Arkansas	3,455	1,421	865	1,054	50	65	0
California	10,910,956	5,523,808	437,639	2,389,545	732,534	1,126,663	700,767
Public	7,729,399	3,591,324	386,442	1,823,836	528,372	812,469	586,956
California Polytechnic State U., San Luis Obispo	26,605	10,178	2,897	9,932	1,280	2,267	51
California State Polytechnic U., Pomona	7,396	5,514	821	509	344	208	0
California State U., Bakersfield	7,053	4,486	150	2,306	38	22	51
California State U., Channel Islands	1,497	553	574	339	31	0	0
California State U., Chico	4,305	2,520	747	491	16	148	383
California State U., Dominguez Hills	2,065	1,433	32	600	0	0	0

TABLE 69

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

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Source of funds					
		Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
California State U., East Bay	9,072	2,348	992	5,434	77	221	0
California State U., Fresno	8,856	3,117	2,431	1,949	455	904	0
California State U., Fullerton	5,929	4,121	262	1,163	49	334	0
California State U., Long Beach	16,684	12,014	1,908	1,235	617	698	212
California State U., Los Angeles	10,590	8,380	72	1,817	0	321	0
California State U., Maritime Academy	3,202	621	151	85	2,345	0	0
California State U., Monterey Bay	5,874	3,889	1,042	683	8	252	0
California State U., Northridge	21,228	17,261	1,422	1,515	35	995	0
California State U., Sacramento	24,939	5,693	13,108	5,520	143	433	42
California State U., San Bernardino	10,819	5,886	2,750	2,093	0	90	0
California State U., San Marcos	13,250	11,547	1,308	272	0	123	0
California State U., Stanislaus	1,843	1,284	73	79	399	8	0
Humboldt State U.	14,236	2,399	4,147	2,964	212	2,259	2,255
Naval Postgraduate School	62,903	51,870	0	10,059	485	108	381
San Diego State U.	97,710	41,117	3,073	48,934	836	2,043	1,707
San Francisco State U.	33,078 i	16,331 i	2,243 i	13,222 i	67 i	1,200 i	15 i
San Jose State U.	47,301	34,102	6,297	4,100	914	1,345	543
Sonoma State U.	1,545	936	310	247	16	36	0
U. California, Berkeley	840,000	349,989	32,598	181,355	81,265	135,100	59,693
U. California, Davis	816,693	380,965	74,086	208,842	54,246	42,970	55,584
U. California, Irvine	490,597	241,734	15,947	123,966	33,033	28,381	47,536
U. California, Los Angeles	1,392,941	655,030	81,216	302,597	82,905	194,946	76,247
U. California, Merced	45,966	20,000	5,108	16,274	558	1,870	2,156
U. California, Office of the President	60,686	217	31,777	28,666	0	20	6
U. California, Riverside	184,894	92,503	10,827	51,440	6,288	7,826	16,010
U. California, San Diego	1,403,735	727,289	45,233	290,347	109,943	110,299	120,624
U. California, San Francisco	1,651,073	676,331	32,635	418,048	120,488	231,371	172,200
U. California, Santa Barbara	254,434	123,198	4,335	54,929	22,578	29,986	19,408
U. California, Santa Cruz	150,400	76,468	5,870	31,824	8,701	15,685	11,852
Private	3,181,557	1,932,484	51,197	565,709	204,162	314,194	113,811
Azusa Pacific U.	7,068	128	95	6,704	2	139	0
Biola U.	1,187 i	662 i	18 i	300 i	79 i	97 i	31 i
California Institute of Technology	449,651	316,519	1,394	48,754	18,366	36,500	28,118
California Lutheran U.	630	271	0	359	0	0	0
Chapman U.	26,660	7,850	1,168	11,717	616	5,301	8
Charles R. Drew U. of Medicine and Science	13,682	9,863	311	3,202	0	306	0
Claremont Graduate U.	9,403	809	408	3,440	657	4,046	43
Claremont McKenna C.	5,846	771	52	4,512	0	511	0
Harvey Mudd C.	2,916	1,748	0	926	26	93	123
High Tech High Graduate School of Ed.	3,304	0	0	0	0	3,304	0
Keck Graduate Institute	2,152 i	1,113 i	0 i	687 i	142 i	35 i	175 i
La Sierra U.	1,647	618	0	531	0	498	0
Loma Linda U.	25,077 i	17,457 i	754 i	3,382 i	1,857 i	1,526 i	101 i
Loyola Marymount U.	7,193	1,105	921	4,593	3	571	0

TABLE 69

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

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Source of funds					
		Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Marshall B. Ketchum U.	1,357 i	323 i	0 i	685 i	349 i	0 i	0 i
Mills C.	1,541	1,341	24	70	0	90	16
Occidental C.	2,657	1,567	279	NA	303	508	0
Pepperdine U.	2,006	693	31	623	0	634	25
Pomona C.	2,855	1,123	12	1,564	0	156	0
Santa Clara U.	2,682	1,522	311	NA	283	566	0
Scripps Research Institute	444,964	243,502	4,503	135,483	22,386	39,090	0
Stanford U.	1,203,950	751,414	26,257	132,235	114,967	168,843	10,234
Touro U.	3,551	1,558	63	1,876	53	1	0
U. of the Pacific	1,713	1,375	96	NA	13	229	0
U. San Diego	8,607	2,398	169	5,418	0	436	186
U. San Francisco	2,161	148	118	1,372	0	523	0
U. Southern California	941,198	562,120	13,691	197,247	43,425	50,026	74,689
Western U. of Health Sciences	5,899	4,486	522	29	635	165	62
Colorado	1,665,742	1,185,506	52,888	189,942	87,134	94,207	56,065
Public	1,622,102	1,160,557	51,634	181,880	85,613	87,049	55,369
Colorado School of Mines	78,517	55,560	2,131	4,255	10,072	1,822	4,677
Colorado State U., Fort Collins	407,302	287,100	17,707	61,093	13,406	19,938	8,058
Colorado State U., Pueblo	3,104	1,161	1,791	152	0	0	0
Fort Lewis C.	1,370	1,228	51	79	12	0	0
U. Colorado Boulder	525,674	427,869	4,435	35,695	9,942	15,348	32,385
U. Colorado Colorado Springs	5,557	3,508	694	486	744	114	11
U. Colorado Denver and Anschutz Medical Campus	554,643	348,724	24,563	71,012	50,627	49,479	10,238
U. Northern Colorado	3,738	1,853	262	1,267	8	348	0
U.S. Air Force Academy	42,197	33,554	0	7,841	802	0	0
Private	43,640	24,949	1,254	8,062	1,521	7,158	696
Colorado C.	2,291	196	290	917	0	888	0
U. Denver	41,349	24,753	964	7,145	1,521	6,270	696
Connecticut	1,400,865	760,588	11,807	430,411	84,679	102,139	11,241
Public	288,915	166,952	6,201	84,969	11,462	13,082	6,249
Central Connecticut State U.	1,572	901	264	407	0	0	0
Eastern Connecticut State U.	1,799	177	1	1,621	0	0	0
Southern Connecticut State U.	5,413	1,026	305	3,649	53	188	192
U. Connecticut	280,131	164,848	5,631	79,292	11,409	12,894	6,057
Private	1,111,950	593,636	5,606	345,442	73,217	89,057	4,992
Connecticut C.	1,598	483	0	1,071	0	44	0
Fairfield U.	1,210	365	0	255	0	590	0
Trinity C., Hartford	1,428	1,019	0	353	2	54	0
U. Hartford	1,436	854	0	568	14	0	0
U. New Haven	3,843	1,440	473	363	390	1,170	7
Wesleyan U.	8,300	4,305	31	3,137	97	651	79
Yale U.	1,094,135	585,170	5,102	339,695	72,714	86,548	4,906
Delaware	244,321	156,831	11,295	59,559	6,766	4,812	5,058
Public	244,321	156,831	11,295	59,559	6,766	4,812	5,058
Delaware State U.	23,876 i	12,689 i	514 i	10,647 i	26 i	0 i	0 i
U. Delaware	220,445	144,142	10,781	48,912	6,740	4,812	5,058
District of Columbia	684,793	333,185	5,446	192,720	26,548	90,192	36,702

TABLE 69

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

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Source of funds					
		Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Public	9,173	7,247	0	1,922	0	0	4
National Defense U.	4,583	4,583	0	0	0	0	0
U. of the District of Columbia	4,590	2,664	0	1,922	0	0	4
Private	675,620	325,938	5,446	190,798	26,548	90,192	36,698
American U.	71,839	16,123	622	43,461	513	10,486	634
Catholic U. of America	25,221	22,503	118	1,429	411	760	0
Gallaudet U.	4,599	1,841	0	2,414	0	326	18
George Washington U.	270,369	157,533	1,740	66,453	4,596	28,958	11,089
Georgetown U.	258,659	98,682	1,613	66,181	18,307	48,919	24,957
Howard U.	44,933	29,256	1,353	10,860	2,721	743	0
Florida	2,722,627	1,278,252	252,254	889,925	114,269	130,730	57,197
Public	2,279,125	1,021,075	236,704	799,032	74,638	94,265	53,411
Florida A&M U.	41,319	33,136	2,561	4,997	550	75	0
Florida Atlantic U.	53,845	23,695	4,581	14,711	2,729	5,863	2,266
Florida Gulf Coast U.	6,671	5,304	814	103	104	346	0
Florida International U.	236,842	103,366	18,582	104,836	2,271	7,059	728
Florida Polytechnic U.	1,091	252	289	479	46	5	20
Florida State U.	350,430	162,296	4,391	164,970	2,177	8,946	7,650
U. Central Florida	239,343	114,575	14,653	86,095	12,418	6,049	5,553
U. Florida	942,223	397,202	169,194	253,646	37,922	50,483	33,776
U. North Florida	13,573	4,568	1,531	7,209	153	112	0
U. South Florida, Saint Petersburg	18,243	5,344	4,603	8,119	2	160	15
U. South Florida, Sarasota-Manatee	2,150	10	0	2,096	0	44	0
U. South Florida, Tampa	333,344	158,958	14,824	126,104	15,525	14,530	3,403
U. West Florida	40,051	12,369	681	25,667	741	593	0
Private	443,502	257,177	15,550	90,893	39,631	36,465	3,786
Embry-Riddle Aeronautical U.	17,786	11,542	29	1,183	3,151	460	1,421
Florida Institute of Technology	18,271	10,999	2,028	3,191	922	390	741
Nova Southeastern U.	26,035	10,452	2,652	10,764	1,309	610	248
U. Miami	381,410	224,184	10,841	75,755	34,249	35,005	1,376
Georgia	2,782,005	1,626,712	171,829	702,890	140,929	122,147	17,498
Public	1,878,257	1,107,719	170,463	453,769	81,057	52,755	12,494
Albany State U.	1,060	836	116	0	108	0	0
Augusta U.	103,961	55,797	504	40,408	3,018	4,211	23
Columbus State U.	261	93	0	105	58	5	0
Fort Valley State U.	4,921	4,806	0	115	0	0	0
Georgia Institute of Technology	1,048,988	790,518	107,480	71,373	63,120	14,200	2,297
Georgia Southern U.	12,166	1,790	625	5,068	4,075	608	0
Georgia State U.	202,451	78,199	6,910	101,059	575	15,022	686
Kennesaw State U.	17,954	1,983	121	14,582	606	526	136
Savannah State U.	1,804	1,804	0	0	0	0	0
U. Georgia	482,786	171,351	54,667	220,201	9,490	17,725	9,352
U. North Georgia	1,905	542	40	858	7	458	0
Private	903,748	518,993	1,366	249,121	59,872	69,392	5,004
Clark Atlanta U.	8,452	5,324	0	3,016	47	65	0
Emory U.	808,792	452,636	1,031	230,877	54,236	67,600	2,412
Mercer U.	49,116	31,572	62	9,247	5,452	191	2,592

TABLE 69

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

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Source of funds					
		Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Morehouse C.	4,825	4,825	0	0	0	0	0
Morehouse School of Medicine	29,813	22,500	273	5,504	0	1,536	0
Spelman C.	2,750	2,136	0	477	137	0	0
Hawaii	298,285	184,034	19,383	77,557	2,802	13,022	1,487
Public	296,489	182,335	19,331	77,530	2,802	13,018	1,473
U. Hawaii, Hilo	6,992	5,274	102	1,160	179	209	68
U. Hawaii, Manoa	275,929	163,694	19,229	76,169	2,623	12,809	1,405
U. Hawaii, system office	13,568	13,367	0	201	0	0	0
Private	1,796	1,699	52	27	0	4	14
Hawaii Pacific U.	1,796	1,699	52	27	0	4	14
Idaho	170,595	86,213	40,139	35,938	3,206	1,998	3,101
Public	170,595	86,213	40,139	35,938	3,206	1,998	3,101
Boise State U.	43,307	26,914	2,265	12,867	378	617	266
Idaho State U.	14,478	7,849	2,365	3,535	247	410	72
U. Idaho	112,810	51,450	35,509	19,536	2,581	971	2,763
Illinois	2,764,954	1,665,534	38,947	696,506	168,728	155,815	39,424
Public	1,226,778	648,629	36,433	395,121	59,296	60,311	26,988
Illinois State U.	32,260	8,719	1,250	21,288	122	871	10
Northeastern Illinois U.	2,018	2,018	0	0	0	0	0
Northern Illinois U.	25,420	8,030	1,032	15,823	221	254	60
Southern Illinois U., Carbondale	41,617	12,735	467	21,176	6,777	462	0
Southern Illinois U., Edwardsville	18,273	3,467	90	13,531	989	168	28
U. Illinois, Chicago	412,147	223,030	6,772	135,744	14,766	24,288	7,547
U. Illinois, Springfield	3,406	976	1,352	996	26	56	0
U. Illinois, Urbana-Champaign	689,176	387,853	25,302	186,309	36,178	34,212	19,322
Western Illinois U.	2,461	1,801	168	254	217	0	21
Private	1,538,176	1,016,905	2,514	301,385	109,432	95,504	12,436
Bradley U.	851	235	86	207	301	0	22
DePaul U.	6,557	5,156	0	925	0	450	26
Erikson Institute	1,992	1,006	0	96	0	890	0
Illinois Institute of Technology	29,122	24,244	36	1,739	1,562	948	593
Loyola U., Chicago	39,365	24,018	164	7,961	3,384	2,860	978
Midwestern U.	10,479	936	50	8,776	481	236	0
Northwestern U.	874,671	531,654	12	233,695	52,440	48,087	8,783
Rosalind Franklin U. of Medicine and Science	14,601	8,504	56	4,474	958	609	0
Rush U.	94,438	65,343	1,886	8,712	12,732	5,765	0
Toyota Technological Institute, Chicago	5,887	3,038	0	1,513	1,230	106	0
U. Chicago	458,891	352,447	224	32,978	36,343	34,865	2,034
Wheaton C., Wheaton	1,322	324	0	309	1	688	0
Indiana	1,733,623	756,064	46,570	626,632	111,896	128,912	63,549
Public	1,506,088	652,034	46,040	546,388	105,684	110,349	45,593
Ball State U.	9,429	2,397	453	5,703	605	271	0
Indiana State U.	1,471	949	241	204	31	46	0
Indiana U., Bloomington	728,554	343,876	3,434	281,536	26,506	71,676	1,526
Indiana U.-Purdue U., Indianapolis	71,387	31,622	1,467	28,006	2,214	7,950	128
Purdue U., Fort Wayne	2,264	589	408	713	70	54	430

TABLE 69

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

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Source of funds					
		Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Purdue U., Northwest	5,839	1,996	786	1,549	759	147	602
Purdue U., West Lafayette	687,144	270,605	39,251	228,677	75,499	30,205	42,907
Private	227,535	104,030	530	80,244	6,212	18,563	17,956
U. Notre Dame	227,535	104,030	530	80,244	6,212	18,563	17,956
Iowa	917,407	429,925	42,796	360,325	46,229	32,283	5,849
Public	904,660	427,432	42,541	351,429	46,226	31,728	5,304
Iowa State U.	363,107	165,912	36,709	125,420	18,149	11,626	5,291
U. Iowa	538,583	259,639	5,489	225,307	28,073	20,062	13
U. Northern Iowa	2,970	1,881	343	702	4	40	0
Private	12,747	2,493	255	8,896	3	555	545
Des Moines U.	5,021	449	255	4,068	3	246	0
Grinnell C.	5,826	644	0	4,328	0	309	545
Palmer C. of Chiropractic, Davenport	1,900	1,400	0	500	0	0	0
Kansas	739,872	318,888	72,227	203,583	111,333	29,458	4,383
Public	739,872	318,888	72,227	203,583	111,333	29,458	4,383
Fort Hays State U.	1,172	764	24	168	209	7	0
Kansas State U.	213,900	79,100	42,624	76,929	6,594	7,057	1,596
Pittsburg State U.	2,173	477	570	NA	1,085	41	0
U. Kansas	368,811	185,007	22,364	116,482	22,089	22,243	626
Wichita State U.	153,816	53,540	6,645	10,004	81,356	110	2,161
Kentucky	641,301	302,255	49,722	201,630	21,919	19,738	46,037
Public	641,301	302,255	49,722	201,630	21,919	19,738	46,037
Eastern Kentucky U.	1,010	554	66	309	4	77	0
Kentucky State U.	7,963	4,456	3,294	0	142	71	0
Morehead State U.	1,883	1,674	50	133	0	26	0
Murray State U.	3,019	1,929	37	1,007	46	0	0
Northern Kentucky U.	2,693	1,462	86	854	5	286	0
U. Kentucky	417,674	200,664	35,346	130,570	9,985	10,677	30,432
U. Louisville	198,818	88,251	10,365	64,507	11,584	8,518	15,593
Western Kentucky U.	8,241	3,265	478	4,250	153	83	12
Louisiana	798,373	309,352	96,798	227,320	99,014	40,441	25,448
Public	580,033	191,182	90,833	174,093	93,425	20,062	10,438
Grambling State U.	2,427	787	560	1,080	0	0	0
Louisiana State U., Baton Rouge	286,733	87,895	72,026	99,412	10,461	9,391	7,548
Louisiana State U., Health Sciences Center, New Orleans	43,419	31,381	196	5,881	2,109	3,290	562
Louisiana State U., Health Sciences Center, Shreveport	25,321	11,452	58	9,902	340	3,569	0
Louisiana Tech U.	26,585	7,167	2,606	14,576	903	0	1,333
Northwestern State U. Louisiana	1,940	598	1,105	237	0	0	0
Southeastern Louisiana U.	2,258	884	213	913	61	187	0
Southern U. and A&M C., Agricultural Research and Extension Center	4,475	2,085	2,338	52	0	0	0
Southern U. and A&M C., Baton Rouge	3,849	2,996	23	441	389	0	0
U. Louisiana, Lafayette	164,070	40,044	10,812	32,175	78,591	2,448	0
U. Louisiana, Monroe	2,362	2,025	210	69	22	36	0

TABLE 69

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

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Source of funds					
		Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
U. New Orleans	16,594	3,868	686	9,355	549	1,141	995
Private	218,340	118,170	5,965	53,227	5,589	20,379	15,010
Dillard U.	2,523	1,200	87	771	0	98	367
Tulane U.	204,430	107,290	5,103	51,577	5,589	20,228	14,643
Xavier U. Louisiana	11,387	9,680	775	879	0	53	0
Maine	151,263	66,227	21,534	54,140	3,032	4,127	2,203
Public	137,819	56,607	21,500	51,135	3,005	3,815	1,757
U. Maine	132,184	54,376	18,487	50,890	3,005	3,685	1,741
U. Southern Maine	5,635	2,231	3,013	245	0	130	16
Private	13,444	9,620	34	3,005	27	312	446
Bates C.	2,303	1,885	0	212	0	104	102
Bowdoin C.	2,719	1,862	33	707	1	116	0
Colby C.	1,536	809	0	388	0	0	339
U. New England	6,886	5,064	1	1,698	26	92	5
Maryland	4,745,030	3,734,526	87,487	550,090	136,913	225,317	10,697
Public	1,634,536	1,052,116	81,780	392,863	31,007	69,589	7,181
Bowie State U.	1,967	1,967	0	0	0	0	0
Morgan State U.	17,193	14,101	2,263	336	226	267	0
Salisbury U.	9,496	2,413	3,638	3,359	11	75	0
Towson U.	3,612	2,010	126	1,185	15	156	120
U. Baltimore	15,054	11,748	2,218	NA	6	864	218
U. Maryland ^a	1,103,062	689,125	39,195	282,188	28,881	57,662	6,011
U. Maryland Center for Environmental Science	54,560	15,498	27,148	9,503	589	1,563	259
U. Maryland, Baltimore County	83,867	59,391	7,192	13,493	1,271	1,947	573
U. Maryland, Eastern Shore	8,092	8,084	0	0	8	0	0
U.S. Naval Academy	13,123	12,577	0	186	0	360	0
Uniformed Services U. of the Health Sciences	324,510	235,202	0	82,613	0	6,695	0
Private	3,110,494	2,682,410	5,707	157,227	105,906	155,728	3,516
Johns Hopkins U. ^b	3,110,494	2,682,410	5,707	157,227	105,906	155,728	3,516
Massachusetts	4,361,466	2,413,765	42,451	996,243	329,957	426,280	152,770
Public	689,298	385,160	26,162	199,097	29,787	38,302	10,790
Framingham State U.	2,317	179	0	0	78	2,060	0
U. Massachusetts, Amherst	219,389	116,170	7,779	75,307	7,702	8,880	3,551
U. Massachusetts, Boston	64,219	27,575	3,325	25,435	2,075	5,618	191
U. Massachusetts, central office	5,225	488	3,533	285	242	602	75
U. Massachusetts, Dartmouth	26,836	6,506	1,644	16,761	1,354	307	264
U. Massachusetts, Lowell	92,216	41,304	8,471	35,980	3,263	1,300	1,898
U. Massachusetts, Medical School	279,096	192,938	1,410	45,329	15,073	19,535	4,811
Private	3,672,168	2,028,605	16,289	797,146	300,170	387,978	141,980
Amherst C.	4,906	1,775	0	2,230	0	10	891
Babson C.	2,352	14	0	1,007	358	683	290
Boston C.	63,063	31,038	1,801	13,420	872	15,173	759
Boston U.	583,267	339,172	517	157,935	22,430	40,325	22,888
Brandeis U.	63,201	41,440	1,028	10,612	294	8,699	1,128
Clark U.	10,277	3,350	93	5,338	12	1,456	28
Emerson C.	919	84	171	279	27	202	156

TABLE 69

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

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Source of funds					
		Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Franklin W. Olin C. of Engineering	1,404	293	0	530	27	499	55
Harvard U.	1,239,983	605,603	2,351	391,127	49,561	171,566	19,775
Massachusetts Institute of Technology	987,968	488,741	2,104	119,003	200,722	99,438	77,960
Merrimack C.	503	306	0	72	0	125	0
MGH Institute of Health Professions	3,549	3,014	0	20	0	515	0
Mount Holyoke C.	2,016	1,442	0	227	0	347	0
New England C. of Optometry	1,150	785	0	166	193	6	0
Northeastern U.	200,068	136,273	3,767	41,810	9,060	8,568	590
Smith C.	4,685	2,650	0	1,401	68	566	0
Stonehill C.	833	674	0	159	0	0	0
Suffolk U.	2,106	844	0	1,010	0	252	0
Tufts U.	216,241	148,320	1,634	23,231	10,162	28,558	4,336
Wellesley C.	8,088	4,441	49	NA	158	2,497	943
Williams C.	4,924	1,086	0	1,663	0	137	2,038
Woods Hole Oceanographic Institution	227,573	191,186	1,653	16,741	2,223	6,872	8,898
Worcester Polytechnic Institute	43,092	26,074	1,121	9,165	4,003	1,484	1,245
Michigan	2,867,807	1,425,181	62,989	1,080,879	127,747	128,955	42,056
Public	2,792,953	1,398,866	62,775	1,047,828	126,430	124,139	32,915
Central Michigan U.	17,448	7,450	70	8,581	57	962	328
Eastern Michigan U.	9,088	2,598	63	5,950	61	350	66
Grand Valley State U.	6,792	1,831	323	3,475	24	641	498
Michigan State U.	713,197	329,748	47,310	290,251	13,141	18,986	13,761
Michigan Technological U.	77,927	36,172	456	31,849	6,661	220	2,569
Northern Michigan U.	1,523	446	0	876	15	10	176
Oakland U.	12,949	5,068	57	6,215	313	835	461
Saginaw Valley State U.	2,343	1,809	0	398	5	115	16
U. Michigan, Ann Arbor	1,673,862	884,880	2,074	607,120	96,044	75,131	8,613
U. Michigan, Dearborn	8,777	2,264	16	3,984	2,262	224	27
U. Michigan, Flint	1,247	276	3	588	366	8	6
Wayne State U.	243,259	113,137	11,699	81,190	5,703	26,350	5,180
Western Michigan U. and Homer Stryker M.D. School of Medicine	24,541	13,187	704	7,351	1,778	307	1,214
Private	74,854	26,315	214	33,051	1,317	4,816	9,141
Albion C.	1,132	272	0	860	0	0	0
Andrews U.	1,033	263	2	565	0	203	0
Calvin U.	1,497	888	30	5	92	176	306
Hope C.	3,822	1,155	0	1,492	0	1,119	56
Kettering U.	2,081	568	8	832	591	63	19
Lawrence Technological U.	1,521	405	174	64	212	666	0
U. Detroit Mercy	4,786	4,226	0	524	13	23	0
Van Andel Research Institute	58,982	18,538	0	28,709	409	2,566	8,760
Minnesota	1,086,730	524,349	85,995	354,291	50,788	44,828	26,479
Public	1,075,333	521,743	85,682	347,836	50,238	43,466	26,368
Minnesota State U., Mankato	2,754	525	121	1,071	0	885	152
St. Cloud State U.	3,056	459	366	1,358	536	337	0

TABLE 69

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

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Source of funds					
		Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
U. Minnesota, Duluth	26,137	6,454	6,935	11,746	845	81	76
U. Minnesota, Morris	1,004	213	138	647	0	6	0
U. Minnesota, Twin Cities	1,042,382	514,092	78,122	333,014	48,857	42,157	26,140
Private	11,397	2,606	313	6,455	550	1,362	111
C. of Saint Benedict	1,069 i	43 i	0 i	1,026 i	0 i	0 i	0 i
Carleton C.	3,732	1,236	17	2,052	0	427	0
Macalester C.	1,755	647	84	794	0	230	0
Saint John's U., Collegeville	1,130 i	0 i	0 i	1,130 i	0 i	0 i	0 i
St. Olaf C.	1,032	230	0	652	0	150	0
U. of St. Thomas (MN)	2,679	450	212	801	550	555	111
Mississippi	506,660	268,634	112,409	98,812	10,357	14,761	1,687
Public	504,558	266,532	112,409	98,812	10,357	14,761	1,687
Alcorn State U.	13,710	7,023	4,519	2,110	56	2	0
Jackson State U.	15,081	13,662	0	1,226	0	183	10
Mississippi State U.	280,485	120,616	90,345	55,647	3,477	9,055	1,345
U. Mississippi	122,960	82,361	5,171	28,635	2,425	4,104	264
U. Southern Mississippi	72,322	42,870	12,374	11,194	4,399	1,417	68
Private	2,102	2,102	0	0	0	0	0
Tougaloo C.	2,102	2,102	0	0	0	0	0
Missouri	1,444,375	821,530	29,650	351,102	118,297	112,041	11,755
Public	449,797	223,462	27,558	156,983	19,523	12,291	9,980
Lincoln U., Jefferson City	5,777	3,636	2,141	NA	0	0	0
Missouri State U.	13,131	12,310	37	665	115	4	0
Missouri U. of Science and Technology	47,001	22,860	230	16,536	4,604	575	2,196
U. Missouri, Columbia	332,180	156,190	25,000	123,624	13,749	8,132	5,485
U. Missouri, Kansas City	36,356	22,320	110	10,283	964	1,054	1,625
U. Missouri, Saint Louis	15,352	6,146	40	5,875	91	2,526	674
Private	994,578	598,068	2,092	194,119	98,774	99,750	1,775
Saint Louis U.	69,528	34,419	1,202	21,359	4,362	7,975	211
U. of Health Sciences and Pharmacy in St. Louis	4,835	3,767	0	547	431	90	0
Washington U., Saint Louis	920,215	559,882	890	172,213	93,981	91,685	1,564
Montana	290,297	160,950	25,204	91,295	3,758	6,608	2,482
Public	290,297	160,950	25,204	91,295	3,758	6,608	2,482
Montana State U., Bozeman	166,285	93,759	18,088	45,253	2,392	4,918	1,875
Montana Technological U.	12,987	4,322	6,090	1,757	810	0	8
Salish Kootenai C.	807	802	0	0	0	5	0
U. Montana, Missoula	110,218	62,067	1,026	44,285	556	1,685	599
Nebraska	586,777	255,357	71,276	180,551	30,607	23,254	25,732
Public	565,315	246,816	68,347	173,558	29,400	22,420	24,774
U. Nebraska, central administration	23,672	23,104	0	568	0	0	0
U. Nebraska, Kearney	2,640	1,259	330	961	39	17	34
U. Nebraska, Lincoln	320,463	107,299	54,240	125,648	19,215	5,451	8,610
U. Nebraska, Medical Center	202,406	105,158	11,932	43,265	10,072	16,011	15,968
U. Nebraska, Omaha	16,134	9,996	1,845	3,116	74	941	162
Private	21,462	8,541	2,929	6,993	1,207	834	958

TABLE 69

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

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Source of funds					
		Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Creighton U.	20,339	7,583	2,929	6,845	1,207	817	958
Doane U.	1,123 i	958 i	0 i	148 i	0 i	17 i	0 i
Nevada	296,470	109,892	12,024	152,046	5,587	6,545	10,376
Public	292,090	109,836	12,024	147,947	5,371	6,536	10,376
Desert Research Institute	26,428	15,791	997	4,345	415	3,819	1,061
U. Nevada, Las Vegas	105,872	29,252	2,493	69,282	1,149	655	3,041
U. Nevada, Reno	159,790	64,793	8,534	74,320	3,807	2,062	6,274
Private	4,380	56	0	4,099	216	9	0
Roseman U. of Health Sciences	4,380	56	0	4,099	216	9	0
New Hampshire	484,313	243,635	5,945	188,555	12,789	25,644	7,745
Public	157,964	101,416	4,695	38,458	8,430	3,934	1,031
Keene State C.	1,063	1,043	0	19	0	1	0
U. New Hampshire	156,901	100,373	4,695	38,439	8,430	3,933	1,031
Private	326,349	142,219	1,250	150,097	4,359	21,710	6,714
Dartmouth C. and Dartmouth Hitchcock Medical Center	326,349	142,219	1,250	150,097	4,359	21,710	6,714
New Jersey	1,385,864	679,242	103,899	301,877	86,749	130,742	83,355
Public	937,168	439,687	98,958	215,287	65,231	73,424	44,581
C. New Jersey	1,464	951	32	153	49	279	0
Kean U.	2,201	775	447	885	29	26	39
Montclair State U.	17,636	3,782	724	10,659	86	2,363	22
New Jersey City U.	262	223	0	39	0	0	0
New Jersey Institute of Technology	155,715	85,746	2,987	53,611	3,013	5,719	4,639
Rowan U.	26,018	15,551	4,401	3,737	818	1,511	0
Rutgers, State U. New Jersey, Camden	3,950	1,952	91	1,136	166	603	2
Rutgers, State U. New Jersey, New Brunswick	688,077	311,743	86,581	130,582	60,291	60,621	38,259
Rutgers, State U. New Jersey, Newark	28,006	16,196	1,460	5,902	778	2,050	1,620
Stockton U.	4,236	872	2,235	1,008	0	121	0
William Paterson U.	9,603	1,896	0	7,575	1	131	0
Private	448,696	239,555	4,941	86,590	21,518	57,318	38,774
Monmouth U.	1,729	110	1,149	70	20	309	71
Princeton U.	396,502	203,259	300	78,989	19,932	55,398	38,624
Seton Hall U.	5,718	2,725	1,993	88	210	702	0
Stevens Institute of Technology	44,747	33,461	1,499	7,443	1,356	909	79
New Mexico	376,331	246,554	27,322	75,246	6,258	13,167	7,784
Public	376,331	246,554	27,322	75,246	6,258	13,167	7,784
New Mexico Highlands U.	1,090	1,034	0	0	0	56	0
New Mexico Institute of Mining and Technology	24,591	22,922	179	345	881	220	44
New Mexico State U.	107,275	60,971	21,097	13,809	1,644	3,827	5,927
U. New Mexico	243,375	161,627	6,046	61,092	3,733	9,064	1,813
New York	7,156,316	3,732,130	405,335	1,674,568	509,662	530,030	304,591
Public	1,592,160	649,773	245,062	433,710	187,715	41,407	34,493
CUNY, Advanced Science Research Center	11,373	9,208	169	1,308	158	198	332

TABLE 69

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

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Source of funds					
		Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
CUNY, Baruch C.	2,396	1,470	14	434	0	367	111
CUNY, Brooklyn C.	7,074	4,651	198	1,489	72	645	19
CUNY, C. Staten Island	3,682	2,295	603	483	2	84	215
CUNY, City C.	45,632	30,106	4,193	8,968	1,068	1,011	286
CUNY, Graduate Center	4,787	2,561	78	169	0	825	1,154
CUNY, Graduate School of Public Health and Health Policy	12,177	8,722	214	1,871	416	951	3
CUNY, Hunter C.	38,345	26,025	2,622	8,847	229	331	291
CUNY, John Jay C. of Criminal Justice	13,939	5,297	1,014	2,968	2,159	1,449	1,052
CUNY, Lehman C.	4,154	3,197	0	500	82	44	331
CUNY, Medgar Evers C.	882	588	0	245	0	48	1
CUNY, New York City C. of Technology	2,130	1,585	0	136	404	5	0
CUNY, Queens C.	16,470	12,726	1,054	2,304	43	315	28
CUNY, system office	1,704	884	164	163	26	105	362
CUNY, York C.	1,691	1,513	0	156	0	22	0
SUNY, Binghamton U.	117,870	24,564	4,957	82,764	3,588	1,258	739
SUNY, Buffalo State	2,253	1,241	619	293	35	49	16
SUNY, C. Brockport	1,719	781	343	574	20	1	0
SUNY, C. of Environmental Science and Forestry	29,296	7,809	13,768	6,258	663	552	246
SUNY, C. of Optometry	3,477	1,688	0	524	1,233	10	22
SUNY, C. Plattsburgh	1,452	950	37	353	0	9	103
SUNY, Downstate Medical Center	33,204	26,454	21	5,396	305	696	332
SUNY, Geneseo	1,642	950	12	675	0	5	0
SUNY, Oswego	1,534	492	61	945	8	15	13
SUNY, Polytechnic Institute	355,651	27,998	169,352	14,251	139,125	588	4,337
SUNY, Stony Brook U.	263,470	146,478	13,795	87,367	5,307	8,287	2,236
SUNY, U. Albany	138,088	67,039	5,201	61,302	705	1,744	2,097
SUNY, U. Buffalo	422,038	200,155	25,016	131,323	29,881	19,164	16,499
SUNY, Upstate Medical U.	41,557	23,940	1,557	9,460	2,141	2,438	2,021
U.S. Military Academy	12,473	8,406	0	2,184	45	191	1,647
Private	5,564,156	3,082,357	160,273	1,240,858	321,947	488,623	270,098
Albany C. of Pharmacy and Health Sciences	3,765	1,938	0	822	841	137	27
Albany Medical C.	23,510	12,940	0	4,069	3,954	1,003	1,544
Albert Einstein C. of Medicine	288,654	204,635	3,150	65,723	4,286	10,860	0
Alfred U.	2,780	947	857	662	314	0	0
Barnard C.	3,748	2,800	0	467	60	421	0
Clarkson U.	15,104	7,095	1,394	4,425	1,483	490	217
Cold Spring Harbor Laboratory	115,198	62,215	32	32,295	1,222	19,434	0
Colgate U.	2,913	918	0	1,768	12	215	0
Columbia U. in the City of New York	1,032,909	762,289	7,250	78,278	77,105	105,442	2,545
Cornell U.	1,190,063	562,021	92,178	232,628	56,706	119,570	126,960
Fordham U.	20,456	3,831	333	14,154	58	1,118	962
Hamilton C.	1,869	144	0	1,270	0	397	58
Hobart and William Smith Colleges	2,114	1,072	436	384	0	85	137

TABLE 69

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

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Source of funds					
		Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Hofstra U.	1,445	997	231	96	3	64	54
Icahn School of Medicine at Mount Sinai	747,014	480,452	8,270	135,617	61,137	53,691	7,847
Ithaca C.	1,199	981	0	170	0	13	35
Long Island U.	13,997	1,349	0	12,135	234	238	41
Manhattan C.	1,307	398	174	503	232	0	0
Memorial Sloan Kettering Cancer Center, Louis V. Gerstner Jr. Graduate S. of Biomedical Sciences	3,737	342	0	3,362	0	33	0
New School	13,186	1,050	142	3,503	144	7,022	1,325
New York Institute of Technology	3,580	1,542	153	1,592	0	293	0
New York Medical C.	20,137	12,106	1,319	243	4,039	1,812	618
New York U.	947,293	448,850	22,203	222,650	51,010	85,710	116,870
Niagara U.	1,124	24	258	352	0	490	0
Pace U.	4,272	2,997	0	1,103	7	147	18
Rensselaer Polytechnic Institute	107,623	52,150	4,959	28,841	15,594	6,079	0
Rochester Institute of Technology	57,777	28,092	9,210	15,970	2,392	1,192	921
Rockefeller U.	356,217	86,280	533	230,148	5,110	33,853	293
Skidmore C.	2,412	1,827	0	441	0	144	0
St. Bonaventure U.	585	265	0	136	8	12	164
St. John's U., New York	3,282	1,805	0	789	147	374	167
Syracuse U.	149,652	31,861	4,812	97,654	4,516	10,673	136
Teachers C., Columbia U.	22,630	7,614	265	NA	1,038	10,766	2,947
U. Rochester	397,211	296,241	2,110	46,412	30,271	16,366	5,811
Union C., Schenectady	1,062	462	4	483	24	58	31
Vassar C.	1,568	1,055	0	306	0	182	25
Yeshiva U.	2,763	772	0	1,407	0	239	345
North Carolina	3,385,735	1,939,599	163,691	684,547	329,220	214,035	54,643
Public	1,937,751	1,061,510	145,260	506,065	110,253	93,359	21,304
Appalachian State U.	4,894	1,469	199	2,568	112	485	61
East Carolina U.	57,820	20,168	620	28,538	3,363	5,131	0
Elizabeth City State U.	1,473	1,455	11	NA	0	0	7
Fayetteville State U.	2,797	1,008	421	1,185	123	60	0
North Carolina Agricultural and Technical State U.	36,151	22,338	369	12,766	73	311	294
North Carolina Central U.	15,833	12,787	116	NA	137	1,194	1,599
North Carolina State U.	546,290	232,110	123,750	131,677	53,302	4,750	701
U. North Carolina, Asheville	4,789	2,405	349	435	2	1,598	0
U. North Carolina, Chapel Hill	1,159,725	706,145	8,129	301,817	49,974	76,679	16,981
U. North Carolina, Charlotte	50,050	27,618	1,176	18,128	2,133	908	87
U. North Carolina, general administration	3,942	572	3,370	0	0	0	0
U. North Carolina, Greensboro	28,966	20,447	452	6,039	344	593	1,091
U. North Carolina, Wilmington	16,544	6,783	6,013	2,433	569	671	75
Western Carolina U.	2,696	1,707	228	479	121	161	0
Winston-Salem State U.	5,781	4,498	57	NA	0	818	408
Private	1,447,984	878,089	18,431	178,482	218,967	120,676	33,339
Davidson C.	2,263	1,411	0	413	10	408	21

TABLE 69

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

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Source of funds					
		Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Duke U.	1,196,638	707,746	938	151,876	205,719	104,685	25,674
Elon U.	1,968	106	0	1,828	0	34	0
Johnson C. Smith U.	2,472	2,230	132	0	10	100	0
Wake Forest U.	244,643	166,596	17,361	24,365	13,228	15,449	7,644
North Dakota	267,308	75,767	64,606	105,161	13,284	2,113	6,377
Public	267,308	75,767	64,606	105,161	13,284	2,113	6,377
North Dakota State U.	155,645	31,614	50,334	64,673	1,865	1,074	6,085
U. North Dakota	111,663	44,153	14,272	40,488	11,419	1,039	292
Ohio	2,518,803	1,553,657	74,237	498,105	216,432	128,511	47,861
Public	1,911,016	1,040,039	71,250	445,867	205,682	104,526	43,652
Air Force Institute of Technology	35,584	22,854	0	12,612	118	0	0
Bowling Green State U.	18,729	6,397	1,114	10,378	8	767	65
Central State U.	6,107	3,097	1,861	1,149	0	0	0
Cleveland State U.	78,189	53,756	956	16,601	2,166	4,515	195
Kent State U.	50,307	15,004	521	32,258	576	1,752	196
Miami U.	24,489	10,473	1,446	10,959	957	532	122
Northeast Ohio Medical U.	15,758	10,684	51	3,655	0	1,368	0
Ohio State U.	968,260	539,359	50,614	151,106	150,235	48,000	28,946
Ohio U.	51,914	15,543	1,398	28,659	4,349	1,452	513
U. Akron	23,496	10,574	688	6,355	3,898	1,054	927
U. Cincinnati	530,138	285,899	5,867	144,949	38,587	42,326	12,510
U. Toledo	54,100	27,770	1,254	18,793	4,075	2,130	78
Wright State U.	49,825	35,321	5,352	7,833	606	613	100
Youngstown State U.	4,120	3,308	128	560	107	17	0
Private	607,787	513,618	2,987	52,238	10,750	23,985	4,209
C. Wooster	1,076	283	0	703	0	90	0
Case Western Reserve U.	439,778	357,589	805	48,786	5,185	23,274	4,139
Heidelberg U.	1,125	188	824	48	53	12	0
Kenyon C.	908	714	0	146	0	48	0
Oberlin C.	1,182	743	0	360	73	6	0
U. Dayton	163,718	154,101	1,358	2,195	5,439	555	70
Oklahoma	604,114	243,317	61,388	243,433	37,542	13,578	4,856
Public	585,327	238,620	60,668	240,329	27,810	13,151	4,749
Langston U.	14,409	9,004	4	5,374	27	0	0
Oklahoma State U., Center for Health Sciences	8,378	2,618	147	5,486	92	35	0
Oklahoma State U., Stillwater	187,060	39,873	22,850	111,227	9,807	2,990	313
U. Central Oklahoma	5,788	1,444	624	3,646	71	3	0
U. Oklahoma, Norman and Health Science Center	362,209	183,728	35,983	111,660	17,698	9,232	3,908
U. Oklahoma, Tulsa	7,483	1,953	1,060	2,936	115	891	528
Private	18,787	4,697	720	3,104	9,732	427	107
U. Tulsa	18,787	4,697	720	3,104	9,732	427	107
Oregon	894,789	608,968	57,580	110,486	49,196	51,110	17,449
Public	877,468	601,985	57,257	103,000	48,589	49,327	17,310
Oregon Health and Science U.	446,890	321,572	334	44,413	38,692	41,520	359
Oregon Institute of Technology	4,267	326	2,119	561	976	285	0
Oregon State U.	268,385	167,494	49,880	25,759	7,387	2,499	15,366

TABLE 69

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

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Source of funds					
		Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Portland State U.	43,667	31,315	4,178	4,680	1,321	1,637	536
U. Oregon	114,259	81,278	746	27,587	213	3,386	1,049
Private	17,321	6,983	323	7,486	607	1,783	139
Lewis and Clark C.	3,350	1,268	0	1,527	0	555	0
National U. of Natural Medicine	1,428	912	0	333	160	0	23
Pacific U.	5,842	2,596	289	1,961	447	549	0
Reed C.	5,155	1,806	33	2,897	0	303	116
Willamette U.	1,546	401	1	768	0	376	0
Pennsylvania	4,820,355	2,631,476	104,372	1,384,506	317,561	293,798	88,642
Public	2,413,716	1,485,830	67,635	571,179	77,449	148,903	62,720
Indiana U. Pennsylvania	6,531	1,309	147	4,647	62	339	27
Pennsylvania State U., Behrend	1,743	543	7	0	718	475	0
Pennsylvania State U., Harrisburg	1,866	451	67	1,277	25	46	0
Pennsylvania State U., University Park and Hershey Medical Center	991,923	638,930	47,196	211,889	29,131	63,664	1,113
Temple U.	299,707	154,600	8,556	93,385	17,721	18,264	7,181
U. Pittsburgh, Pittsburgh	1,105,532	689,273	11,600	254,704	29,764	65,940	54,251
West Chester U. Pennsylvania	6,414	724	62	5,277	28	175	148
Private	2,406,639	1,145,646	36,737	813,327	240,112	144,895	25,922
Bryn Mawr C.	11,575	1,531	0	9,742	27	275	0
Bucknell U.	5,339	1,693	76	3,023	202	335	10
Carnegie Mellon U.	386,996	217,625	2,735	115,615	36,121	9,210	5,690
Dickinson C.	929	222	87	325	49	29	217
Drexel U.	143,123	82,576	4,650	38,742	3,203	7,513	6,439
Duquesne U.	17,485	4,981	798	9,566	267	1,873	0
Franklin and Marshall C.	3,623	1,202	204	1,747	231	73	166
Gettysburg C.	913	320	0	144	46	227	176
Haverford C.	4,473	2,680	0	1,168	0	163	462
La Salle U.	818	14	0	804	0	0	0
Lafayette C.	1,390	755	14	522	1	53	45
Lehigh U.	38,064	26,816	1,888	8,181	758	378	43
Mercyhurst U.	1,850	690	568	592	0	0	0
Philadelphia C. of Osteopathic Medicine	3,360	422	0	2,415	0	523	0
Saint Joseph's U.	3,150	1,047	812	1,084	123	84	0
Swarthmore C.	3,544	1,041	0	2,278	0	225	0
Thomas Jefferson U.	171,377	74,676	3,330	53,798	20,915	9,537	9,121
U. of the Sciences Philadelphia	3,761	1,126	234	1,042	850	509	0
U. Pennsylvania	1,579,364	721,308	19,955	544,997	176,969	112,832	3,303
Villanova U.	25,505	4,921	1,386	17,542	350	1,056	250
Rhode Island	395,730	265,184	14,903	83,884	6,764	18,312	6,683
Public	126,005	77,314	14,750	26,842	2,892	3,385	822
Naval War C.	5,944	5,944	0	0	0	0	0
Rhode Island C.	10,094	4,128	5,448	93	0	425	0
U. Rhode Island	109,967	67,242	9,302	26,749	2,892	2,960	822
Private	269,725	187,870	153	57,042	3,872	14,927	5,861
Brown U.	266,127	185,676	31	56,188	3,634	14,737	5,861
Providence C.	1,092	913	0	127	0	52	0

TABLE 69

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

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Source of funds					
		Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Rhode Island School of Design	975 i	236 i	42 i	426 i	221 i	50 i	0 i
Roger Williams U.	1,531	1,045	80	301	17	88	0
South Carolina	742,557	349,258	38,938	272,703	42,958	26,418	12,282
Public	737,897	345,869	38,925	271,604	42,958	26,366	12,175
C. Charleston	5,728	3,087	275	1,727	7	574	58
Citadel Military C. South Carolina	1,012	736	0	135	0	11	130
Clemson U.	228,597	82,203	26,544	94,600	18,120	6,894	236
Coastal Carolina U.	1,903	1,211	119	61	0	512	0
Medical U. South Carolina	272,590	153,802	5,666	73,804	20,747	11,011	7,560
South Carolina State U.	3,796 i	3,796 i	NA	NA	NA	NA	NA
U. South Carolina, Aiken	2,590	2,328	0	255	0	7	0
U. South Carolina, Columbia	219,464	97,143	6,028	100,802	4,050	7,250	4,191
Winthrop U.	2,217	1,563	293	220	34	107	0
Private	4,660	3,389	13	1,099	0	52	107
Benedict C.	649	635	3	0	0	11	0
Clafin U.	1,910	1,907	0	0	0	3	0
Furman U.	2,101	847	10	1,099	0	38	107
South Dakota	110,619	51,468	19,465	18,944	2,770	4,568	13,404
Public	110,619	51,468	19,465	18,944	2,770	4,568	13,404
Black Hills State U.	1,499	1,287	98	114	0	0	0
Dakota State U.	4,412	3,957	34	220	192	9	0
South Dakota School of Mines and Technology	14,490	10,659	1,173	1,574	699	90	295
South Dakota State U.	60,939	22,531	16,477	3,143	1,879	3,800	13,109
U. South Dakota	29,279	13,034	1,683	13,893	0	669	0
Tennessee	1,398,914	765,928	37,265	433,253	83,419	60,108	18,941
Public	555,337	234,688	34,708	235,189	13,105	22,547	15,100
Austin Peay State U.	2,833	475	1,329	908	1	106	14
East Tennessee State U.	13,925	7,329	49	2,416	334	3,407	390
Middle Tennessee State U.	8,697	3,062	421	4,098	345	771	0
Tennessee State U.	15,377	8,707	467	6,141	44	18	0
Tennessee Technological U.	14,085	6,471	4,174	2,858	299	77	206
U. Memphis	69,463	18,063	7,776	39,192	998	2,914	520
U. Tennessee, Chattanooga	10,834	3,915	889	5,073	151	331	475
U. Tennessee, Health Science Center	99,716	48,264	4,503	26,628	3,353	8,902	8,066
U. Tennessee, Knoxville ^c	320,407	138,402	15,100	147,875	7,580	6,021	5,429
Private	843,577	531,240	2,557	198,064	70,314	37,561	3,841
Fisk U.	3,904	3,811	15	0	16	62	0
Lipscomb U.	1,000 i	557 i	15 i	247 i	66 i	86 i	29 i
Meharry Medical C.	13,870	12,573	0	315	3	979	0
Vanderbilt U. and Vanderbilt U. Medical Center	824,803	514,299	2,527	197,502	70,229	36,434	3,812
Texas	6,619,640	2,678,449	911,419	1,821,405	463,739	470,846	273,782
Public	5,622,586	2,235,033	870,261	1,485,311	424,703	340,034	267,244
Lamar U.	4,327	2,146	1,309	136	281	455	0
Midwestern State U.	891	599	36	201	0	55	0
Prairie View A&M U.	18,723	9,249	4,754	4,309	212	199	0

TABLE 69

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

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Source of funds					
		Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Sam Houston State U.	12,437	4,764	198	7,379	3	71	22
Stephen F. Austin State U.	3,672	1,257	1,316	703	32	206	158
Sul Ross State U.	2,068	481	126	119	25	785	532
Tarleton State U.	14,890	4,139	2,779	7,526	334	112	0
Texas A&M International U.	3,067	986	707	647	63	637	27
Texas A&M U., College Station and Health Science Center	1,130,803	517,489	205,190	291,325	35,783	53,539	27,477
Texas A&M U.-Commerce	4,166	1,226	313	2,252	46	205	124
Texas A&M U.-Corpus Christi	32,284	13,349	8,436	4,691	716	2,079	3,013
Texas A&M U.-Kingsville	22,745	9,610	3,576	3,711	692	5,110	46
Texas Southern U.	4,782	2,941	1,048	789	0	4	0
Texas State U.	70,714	26,950	3,850	33,796	792	5,326	0
Texas Tech U.	199,643	31,475	29,341	114,278	11,588	12,653	308
Texas Tech U., Health Sciences Center	44,135	13,043	18,200	8,839	357	1,350	2,346
Texas Tech U., Health Sciences Center, El Paso	10,421	1,703	2,932	5,211	257	318	0
Texas Woman's U.	4,135	1,700	699	1,058	59	619	0
U. Houston	200,428	71,779	33,898	74,188	8,034	9,803	2,726
U. Houston-Clear Lake	1,363	632	513	33	102	83	0
U. Houston-Downtown	2,299	1,392	120	280	0	507	0
U. North Texas, Denton	84,239	13,653	5,524	61,069	1,619	1,550	824
U. North Texas, Health Science Center	47,392	25,917	10,787	7,265	1,463	1,800	160
U. Texas Health Science Center, Houston	273,862	133,624	42,174	44,129	16,479	24,958	12,498
U. Texas Health Science Center, San Antonio	202,572	102,959	21,895	45,061	8,048	24,287	322
U. Texas Health Science Center, Tyler	21,265	7,732	4,022	5,581	252	3,678	0
U. Texas M. D. Anderson Cancer Center	1,051,297	186,488	291,619	209,905	194,528	31,021	137,736
U. Texas Medical Branch	180,595	114,103	7,302	44,544	5,832	8,814	0
U. Texas of the Permian Basin	2,105	757	32	562	0	754	0
U. Texas Rio Grande Valley	56,702	13,093	7,566	27,680	455	7,653	255
U. Texas Southwestern Medical Center	595,939	242,679	66,440	137,027	38,500	53,780	57,513
U. Texas, Arlington	133,793	44,950	19,309	52,902	5,989	8,740	1,903
U. Texas, Austin	797,199	500,409	23,611	147,947	77,789	40,881	6,562
U. Texas, Dallas	132,192	55,983	11,080	36,906	6,496	21,727	0
U. Texas, El Paso	108,628	39,126	20,684	36,075	1,162	1,622	9,959
U. Texas, San Antonio	138,586	34,334	16,210	65,229	5,703	14,490	2,620
U. Texas, Tyler	2,007	774	225	631	207	96	74
West Texas A&M U.	6,220	1,542	2,440	1,327	805	67	39
Private	997,054	443,416	41,158	336,094	39,036	130,812	6,538
Baylor C. of Medicine	685,641	315,101	30,591	222,123	24,991	92,835	0
Baylor U.	39,765	8,851	1,153	21,821	1,395	4,866	1,679
Rice U.	198,681	88,768	7,104	59,140	8,851	30,199	4,619
Southern Methodist U.	43,081	17,752	877	20,640	2,250	1,562	0

TABLE 69

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

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Source of funds					
		Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
St. Edward's U.	9,619	7,700	900	925	14	30	50
Texas Christian U.	15,326	3,168	386	10,010	1,493	166	103
Trinity U.	3,472	1,207	17	1,280	0	886	82
U. of the Incarnate Word	1,469	869	130	155	42	268	5
Utah	950,562	581,235	29,015	240,746	49,722	39,936	9,908
Public	911,993	556,603	27,887	234,360	46,449	37,218	9,476
U. Utah	607,061	314,023	4,908	209,608	38,458	36,404	3,660
Utah State U.	304,256	242,156	22,820	24,719	7,961	784	5,816
Weber State U.	676	424	159	33	30	30	0
Private	38,569	24,632	1,128	6,386	3,273	2,718	432
Brigham Young U., Provo	38,569	24,632	1,128	6,386	3,273	2,718	432
Vermont	193,824	100,302	1,115	74,273	3,618	8,606	5,910
Public	191,147	97,981	1,115	73,959	3,617	8,565	5,910
U. Vermont	191,147	97,981	1,115	73,959	3,617	8,565	5,910
Private	2,677	2,321	0	314	1	41	0
Middlebury C.	1,720	1,546	0	132	1	41	0
Saint Michael's C.	957	775	0	182	0	0	0
Virginia	1,921,215	876,257	124,213	637,603	94,102	108,949	80,091
Public	1,897,975	861,899	124,210	629,910	93,636	108,262	80,058
Christopher Newport U.	2,608	1,365	17	903	108	98	117
Eastern Virginia Medical School	20,870	15,748	267	2,280	1,244	1,331	0
George Mason U.	221,006	104,070	3,750	58,447	7,972	38,691	8,076
James Madison U.	10,247	2,609	373	6,365	173	669	58
Norfolk State U.	7,153	7,148	0	5	0	0	0
Old Dominion U.	65,704	30,330	16,403	14,436	990	3,217	328
U. of Mary Washington	1,393	660	20	594	0	90	29
U. Virginia, Charlottesville	652,002	300,348	8,780	212,843	29,798	37,430	62,803
Virginia Commonwealth U.	283,874	152,751	28,217	75,230	12,699	14,977	0
Virginia Polytechnic Institute and State U.	556,341	210,792	61,192	231,204	39,857	6,319	6,977
Virginia State U.	10,014	5,642	1,431	2,061	0	879	1
William & Mary	66,763	30,436	3,760	25,542	795	4,561	1,669
Private	23,240	14,358	3	7,693	466	687	33
Edward Via C. of Osteopathic Medicine	7,475	566	3	6,443	150	313	0
Hampton U.	11,402	11,278	0	124	0	0	0
Liberty U.	1,894	886	0	513	316	146	33
U. Richmond	2,469	1,628	0	613	0	228	0
Washington	1,827,021	1,196,287	80,831	225,111	71,484	210,689	42,619
Public	1,823,201	1,194,025	80,769	224,467	71,483	210,088	42,369
Central Washington U.	2,674	1,701	242	336	102	211	82
Eastern Washington U.	2,282	1,153	931	NA	14	134	50
Northwest Indian C.	2,708	2,497	0	36	0	175	0
U. Washington, Bothell	7,107	2,815	42	1,045	129	3,058	18
U. Washington, Seattle	1,456,902	1,024,195	27,087	111,141	57,698	198,220	38,561
U. Washington, Tacoma	3,504	3,075	120	207	0	102	0
Washington State U.	335,201	154,623	51,641	104,722	13,458	7,101	3,656
Western Washington U.	12,823	3,966	706	6,980	82	1,087	2

TABLE 69

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

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Source of funds					
		Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Private	3,820	2,262	62	644	1	601	250
Seattle U.	2,060	1,303	62	160	1	334	200
U. Puget Sound	895	401	0	238	0	206	50
Whitman C.	865	558	0	246	0	61	0
West Virginia	217,788	95,147	11,631	79,832	6,597	7,389	17,192
Public	217,788	95,147	11,631	79,832	6,597	7,389	17,192
Marshall U.	22,250	11,078	1,073	8,169	489	1,441	0
West Virginia School of Osteopathic Medicine	1,311	419	8	884	0	0	0
West Virginia State U.	5,775	3,993	1,592	159	31	0	0
West Virginia U.	188,452	79,657	8,958	70,620	6,077	5,948	17,192
Wisconsin	1,746,799	808,584	126,081	548,630	60,704	149,911	52,889
Public	1,442,148	666,001	125,102	451,964	32,129	124,869	42,083
U. Wisconsin-Eau Claire	1,318	647	292	219	59	99	2
U. Wisconsin-Green Bay	1,982	890	500	207	41	172	172
U. Wisconsin-La Crosse	2,795	817	848	434	455	234	7
U. Wisconsin-Madison	1,363,931	632,558	103,607	435,653	29,589	122,835	39,689
U. Wisconsin-Milwaukee	61,069	25,354	18,056	13,648	1,508	1,149	1,354
U. Wisconsin-Oshkosh	1,777	1,336	0	0	0	0	441
U. Wisconsin-Platteville	1,104	336	285	189	256	29	9
U. Wisconsin-River Falls	1,107	488	408	7	152	0	52
U. Wisconsin-Stevens Point	4,764	2,193	932	1,044	3	341	251
U. Wisconsin-Superior	2,301	1,382	174	563	66	10	106
Private	304,651	142,583	979	96,666	28,575	25,042	10,806
Marquette U.	37,136	13,187	539	15,058	1,027	2,162	5,163
Medical C. Wisconsin	264,325	128,783	440	81,608	24,973	22,878	5,643
Milwaukee School of Engineering	3,190	613	0	0	2,575	2	0
Wyoming	93,061	57,353	5,164	24,503	4,519	1,394	128
Public	93,061	57,353	5,164	24,503	4,519	1,394	128
U. Wyoming	93,061	57,353	5,164	24,503	4,519	1,394	128
Guam	13,043	9,722	1,706	1,555	25	0	35
Public	13,043	9,722	1,706	1,555	25	0	35
U. Guam	13,043	9,722	1,706	1,555	25	0	35
Puerto Rico	111,101	75,685	1,559	26,490	4,412	629	2,326
Public	90,095	59,435	1,072	24,414	4,412	629	133
U. Puerto Rico, Cayey	1,974	1,210	0	639	13	112	0
U. Puerto Rico, Humacao	1,456	1,279	0	177	0	0	0
U. Puerto Rico, Mayaguez	26,553	15,842	681	8,960	712	315	43
U. Puerto Rico, Medical Sciences Campus	37,217	27,033	361	6,251	3,551	0	21
U. Puerto Rico, Rio Piedras	22,895	14,071	30	8,387	136	202	69
Private	21,006	16,250	487	2,076	0	0	2,193
Polytechnic U. Puerto Rico	813	813	0	NA	0	0	0
Ponce Health Sciences U.	13,566	11,228	220	NA	0	0	2,118
U. Ana G. Mendez, Carolina	647	520	0	127	0	0	0
U. Ana G. Mendez, Gurabo	2,049	946	0	1,103	0	0	0
U. Central del Caribe	3,931	2,743	267	846	0	0	75
Virgin Islands	13,631	11,787	1,700	26	0	118	0

TABLE 69

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

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Source of funds					
		Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
Public	13,631	11,787	1,700	26	0	118	0
U. of the Virgin Islands	13,631	11,787	1,700	26	0	118	0

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

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

^b 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.