

TABLE 76

Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2020

(Dollars in thousands)

State, institutional control, and institution	Total					Federally financed				
	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients
United States	7,053,612	3,866,145	1,338,352	1,241,079	608,036	5,962,370	3,404,432	1,071,398	1,044,447	442,093
Alabama										
Public										
Alabama A&M U.	191	34	99	0	58	191	34	99	0	58
Alabama State U.	257	257	0	0	0	257	257	0	0	0
Auburn U., Auburn	6,647	3,752 i	1,338 i	424 i	1,133 i	6,416	3,544 i	1,315 i	424 i	1,133 i
Jacksonville State U.	90	90	0	0	0	90	90	0	0	0
Troy U.	29	18	0	9	2	29	18	0	9	2
U. Alabama, Birmingham	76,431	39,355	25,936	9,911	1,229	69,339	39,292	21,968	6,901	1,178
U. Alabama, Huntsville	5,481	3,905	678	514	384	5,063	3,871	678	514	0
U. Alabama, Tuscaloosa	4,116	1,996	1,455	224	441	3,849	1,799	1,452	224	374
U. South Alabama	3,463	1,951	35	125	1,352	2,523	1,736	35	119	633
Private										
Tuskegee U.	1,089	999	87	3	0	1,089	999	87	3	0
Alaska										
Public										
U. Alaska, Anchorage	2,862	90	NA	NA	2,772	2,862	90	0	0	2,772
U. Alaska, Fairbanks	6,988	4,272 i	1,966 i	NA	750 i	6,988	4,272 i	1,966 i	0 i	750 i
U. Alaska, Southeast	139	0	0	0	139	139	0	0	0	139
Private										
Alaska Pacific U.	0	0	0	0	0	0	0	0	0	0
Arizona										
Public										
Arizona State U.	69,444	27,968	22,675	15,967	2,834	63,993	24,407	22,519	14,996	2,071
Dine C.	0	0	0	0	0	0	0	0	0	0
Northern Arizona U.	5,931	2,349	1,387	1,383	812	5,550	2,029	1,387	1,323	811
U. Arizona	48,138	28,935	7,145	10,274	1,784	46,863	27,970	7,121	10,093	1,679
Arkansas										
Public										
Arkansas State U., Jonesboro	367	364	0	0	3	359	356	0	0	3
U. Arkansas for Medical Sciences	10,354	9,326	686	296	46	9,782	8,825	652	296	9
U. Arkansas, Fayetteville	8,153	6,662	704	489	298	6,063	5,265	443	195	160

TABLE 76

Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2020

(Dollars in thousands)

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	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients
U. Arkansas, Little Rock	1,906	1,906	0	0	0	1,881	1,881	0	0	0
U. Arkansas, Pine Bluff	183	102	0	0	81	183	102	0	0	81
U. Central Arkansas	97	97	0	0	0	97	97	0	0	0
California										
Public										
California Polytechnic State U., San Luis Obispo	1,553	882	73	486	112	972	351	23	486	112
California State Polytechnic U., Pomona	106	106	0	0	0	101	101	0	0	0
California State U., Bakersfield	0	0	0	0	0	0	0	0	0	0
California State U., Channel Islands	67	67	0	0	0	67	67	0	0	0
California State U., Chico	446	381	38	27	0	446	381	38	27	0
California State U., Dominguez Hills	0	0	0	0	0	0	0	0	0	0
California State U., East Bay	629	629	0	0	0	558	558	0	0	0
California State U., Fresno	357	279	78	0	0	125	76	49	0	0
California State U., Fullerton	230	205	25	0	0	227	202	25	0	0
California State U., Long Beach	692	166	442	84	0	196	112	0	84	0
California State U., Los Angeles	488	316	0	154	18	462	316	0	128	18
California State U., Maritime Academy	636	581	0	0	55	0	0	0	0	0
California State U., Monterey Bay	795	774	0	21	0	777	756	0	21	0
California State U., Northridge	759	727	0	32	0	754	727	0	27	0
California State U., Sacramento	755	89	666	0	0	38	38	0	0	0
California State U., San Bernardino	315	315	0	0	0	153	153	0	0	0
California State U., San Marcos	800	415	0	385	0	758	373	0	385	0
California State U., Stanislaus	0	0	0	0	0	0	0	0	0	0
Humboldt State U.	775	98	512	80	85	63	0	58	0	5
Naval Postgraduate School	1,268	1,243	25	0	0	1,268	1,243	25	0	0
San Diego State U.	4,852	3,245	285	863	459	4,172	2,857	285	659	371
San Francisco State U.	2,102	1,804	239	59	0	1,786	1,738	0	48	0
San Jose State U.	4,246	4,040	206	0	0	1,399	1,302	97	0	0
Sonoma State U.	235	106	0	103	26	209	106	0	103	0
U. California, Berkeley	64,768	36,540	12,199	8,530	7,499	47,541	27,058	9,009	6,360	5,114
U. California, Davis	64,631	36,247	12,336	8,649	7,399	53,430	30,407	10,127	7,148	5,748

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Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2020

(Dollars in thousands)

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	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients
U. California, Irvine	26,727	22,645 i	1,409 i	2,489 i	184 i	23,068	19,609 i	1,152 i	2,307 i	0 i
U. California, Los Angeles	144,105	80,041 i	27,861 i	19,550 i	16,653 i	122,269	69,590 i	23,172 i	16,359 i	13,148 i
U. California, Merced	2,320	450 i	160 i	112 i	1,598 i	815	450 i	160 i	112 i	93 i
U. California, Office of the President	12	0 i	0 i	0 i	12 i	0	0	0	0	0
U. California, Riverside	10,714	10,070 i	264 i	380 i	0 i	8,752	8,181 i	191 i	380 i	0 i
U. California, San Diego	99,348	55,387 i	18,970 i	13,251 i	11,740 i	71,540	40,716 i	13,558 i	9,570 i	7,696 i
U. California, San Francisco	133,529	74,218 i	25,683 i	17,978 i	15,650 i	103,999	59,190 i	19,709 i	13,913 i	11,187 i
U. California, Santa Barbara	27,888	21,014 i	2,479 i	902 i	3,493 i	20,287	16,455 i	2,479 i	902 i	451 i
U. California, Santa Cruz	10,136	7,270 i	1,699 i	1,167 i	0 i	9,050	6,326 i	1,557 i	1,167 i	0 i
Private										
Azusa Pacific U.	0	0	0	0	0	0	0	0	0	0
Biola U.	94 i	49 i	14 i	24 i	7 i	81 i	45 i	10 i	21 i	5 i
California Institute of Technology	42,697	35,739	1,265	3,189	2,504	39,531	33,237	1,099	2,907	2,288
California Lutheran U.	0	0	0	0	0	0	0	0	0	0
Chapman U.	1,794	1,325	0	201	268	1,357	1,185	0	146	26
Charles R. Drew U. of Medicine and Science	1,058	0	0	1,058	0	1,058	0	0	1,058	0
Claremont Graduate U.	412	297	0	0	115	115	0	0	0	115
Claremont McKenna C.	58	58	0	0	0	58	58	0	0	0
Harvey Mudd C.	98	98	0	0	0	98	98	0	0	0
High Tech High Graduate School of Ed.	0	0	0	0	0	0	0	0	0	0
Keck Graduate Institute	403 i	128 i	264 i	0 i	11 i	403 i	128 i	264 i	0 i	11 i
La Sierra U.	0	0	0	0	0	0	0	0	0	0
Loma Linda U.	898 i	606 i	0 i	77 i	215 i	633 i	602 i	0 i	31 i	0 i
Loyola Marymount U.	269	218	0	51	0	201	201	0	0	0
Marshall B. Ketchum U.	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Mills C.	156	0	0	0	156	156	0	0	0	156
Occidental C.	202	146	0	0	56	146	146	0	0	0
Pepperdine U.	174	61	0	113	0	149	36	0	113	0
Pomona C.	8	8	0	0	0	8	8	0	0	0
Santa Clara U.	104	5	53	0	46	20	5	0	0	15
Scripps Research Institute	51,652	15,079	20,838	15,438	297	51,144	14,837	20,838	15,249	220

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Stanford U.	78,143	51,942	5,543	11,039	9,619	60,954	42,227	3,528	9,456	5,743
Touro U.	60	60	0	0	0	60	60	0	0	0
U. of the Pacific	0	0	0	0	0	0	0	0	0	0
U. San Diego	393	208	0	185	0	316	131	0	185	0
U. San Francisco	150	150	0	0	0	24	24	0	0	0
U. Southern California	116,581	75,009	19,641	19,027	2,904	96,356	65,521	12,251	16,150	2,434
Western U. of Health Sciences	637	358	187	20	72	608	349	187	0	72
Colorado										
Public										
Colorado School of Mines	6,991	4,544	2,175	272	0	6,754	4,492	1,990	272	0
Colorado State U., Fort Collins	25,750	19,836	2,837	1,250	1,827	23,609	18,214	2,837	1,250	1,308
Colorado State U., Pueblo	0	0	0	0	0	0	0	0	0	0
Fort Lewis C.	258	258	0	0	0	258	258	0	0	0
U. Colorado Boulder	55,714	30,741	16,481	2,701	5,791	46,379	27,265	11,719	2,212	5,183
U. Colorado Colorado Springs	334	271	50	0	13	289	248	28	0	13
U. Colorado Denver and Anschutz Medical Campus	47,768	25,836	3,034	14,160	4,738	39,339	22,916	2,086	10,650	3,687
U. Northern Colorado	122	51	71	0	0	122	51	71	0	0
U.S. Air Force Academy	0	0	0	0	0	0	0	0	0	0
Private										
Colorado C.	0	0	0	0	0	0	0	0	0	0
U. Denver	6,147	2,015	1,061	3,044	27	5,572	1,838	948	2,759	27
Connecticut										
Public										
Central Connecticut State U.	25	2	0	0	23	25	2	0	0	23
Eastern Connecticut State U.	0	0	0	0	0	0	0	0	0	0
Southern Connecticut State U.	73	66	7	0	0	66	66	0	0	0
U. Connecticut	22,979	15,472	4,456	2,699	352	19,682	13,622	4,183	1,711	166
Private										
Connecticut C.	2	2	0	0	0	2	2	0	0	0
Fairfield U.	0	0	0	0	0	0	0	0	0	0
Trinity C., Hartford	270	270	0	0	0	270	270	0	0	0

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	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients
U. South Florida, Tampa	38,051	22,656	4,414	3,756	7,225	31,691	19,829	3,952	3,250	4,660
U. West Florida	6,956	6,729	227	0	0	5,800	5,800	0	0	0
Private										
Embry-Riddle Aeronautical U.	5,227	614	4,554	59	NA	5,227	614	4,554	59	0
Florida Institute of Technology	2,435	1,758	580	91	6	1,992	1,544	442	0	6
Nova Southeastern U.	1,866	1,018	357	491	0	1,291	567	238	486	0
U. Miami	47,419	34,429	2,729	10,134	127	40,637	29,145	1,866	9,499	127
Georgia										
Public										
Albany State U.	98	98	0	0	0	98	98	0	0	0
Augusta U.	6,396	5,393	0	1,003	0	5,993	5,242	0	751	0
Columbus State U.	0	0	0	0	0	0	0	0	0	0
Fort Valley State U.	6	0	0	6	0	6	0	0	6	0
Georgia Institute of Technology	82,481	5,294	77,104	83	0	82,378	5,289	77,006	83	0
Georgia Southern U.	34	13	0	21	0	13	13	0	0	0
Georgia State U.	17,234	10,995	1,407	2,779	2,053	14,154	10,363	732	1,381	1,678
Kennesaw State U.	169	103	0	6	60	103	103	0	0	0
Savannah State U.	92	92	0	0	0	92	92	0	0	0
U. Georgia	31,016	24,216	328	2,937	3,535	27,299	21,779	288	2,519	2,713
U. North Georgia	0	0	0	0	0	0	0	0	0	0
Private										
Clark Atlanta U.	169	169	0	0	0	169	169	0	0	0
Emory U.	115,115	58,784	25,049	24,137	7,145	72,934	46,422	7,142	15,009	4,361
Mercer U.	5,900	18	5,882	0	0	5,892	18	5,874	0	0
Morehouse C.	841	841	0	0	0	841	841	0	0	0
Morehouse School of Medicine	1,678	1,552	0	126	0	1,532	1,408	0	124	0
Spelman C.	135	135	0	0	0	135	135	0	0	0
Hawaii										
Public										
U. Hawaii, Hilo	142	0	0	101	41	142	0	0	101	41
U. Hawaii, Manoa	13,416	5,370	5,032	1,968	1,046	12,648	5,271	5,031	1,870	476
U. Hawaii, system office	517	0	0	517	0	517	0	0	517	0

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Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2020

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	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients
Private										
Hawaii Pacific U.	431	431	0	0	0	431	431	0	0	0
Idaho										
Public										
Boise State U.	2,220	1,989	0	231	0	2,186	1,955	0	231	0
Idaho State U.	402	236	21	7	138	381	236	0	7	138
U. Idaho	8,722	7,560	254	212	696	8,111	6,960	243	212	696
Illinois										
Public										
Illinois State U.	3,980	864	298	713	2,105	3,927	853	282	713	2,079
Northeastern Illinois U.	17	17	0	0	0	17	17	0	0	0
Northern Illinois U.	306	153	0	17	136	302	153	0	13	136
Southern Illinois U., Carbondale	1,083	784	0	0	299	480	181	0	0	299
Southern Illinois U., Edwardsville	147	80	67	0	0	120	53	67	0	0
U. Illinois, Chicago	23,843	12,286	4,964	3,466	3,127	14,173	10,538	1,599	1,129	907
U. Illinois, Springfield	100	0	100	0	0	0	0	0	0	0
U. Illinois, Urbana-Champaign	89,279	56,797	20,697	7,386	4,399	79,108	52,710	19,021	6,722	655
Western Illinois U.	579	579	0	0	0	579	579	0	0	0
Private										
Bradley U.	0	0	0	0	0	0	0	0	0	0
DePaul U.	1,288	486	0	669	133	1,268	485	0	650	133
Erikson Institute	0	0	0	0	0	0	0	0	0	0
Illinois Institute of Technology	2,648	1,183	211	1,188	66	2,587	1,149	211	1,161	66
Loyola U., Chicago	2,973	1,580	119	273	1,001	2,866	1,523	119	256	968
Midwestern U.	81	81	0	0	0	81	81	0	0	0
Northwestern U.	82,514	800	1,273	80,441	0	76,951	245	0	76,706	0
Rosalind Franklin U. of Medicine and Science	501	295	0	0	206	501	295	0	0	206
Rush U.	10,826	6,906	5	3,869	46	9,904	6,478	5	3,375	46
Toyota Technological Institute, Chicago	53	53	0	0	0	53	53	0	0	0
U. Chicago	46,118	27,676	818	16,166	1,458	43,729	26,750	594	15,073	1,312
Wheaton C., Wheaton	89	89	0	0	0	89	89	0	0	0

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Indiana										
Public										
Ball State U.	360	197	130	0	33	0	0	0	0	0
Indiana State U.	117	86	31	0	0	117	86	31	0	0
Indiana U., Bloomington	64,553	38,229	539	21,945	3,840	55,434	32,421	492	19,232	3,289
Indiana U.-Purdue U., Indianapolis	2,881	2,050	24	806	1	2,407	1,801	24	582	0
Purdue U., Fort Wayne	80	80	0	0	0	79	79	0	0	0
Purdue U., Northwest	278	249	29	0	0	276	247	29	0	0
Purdue U., West Lafayette	47,622	33,338	10,156	746	3,382	38,028	25,550	8,739	357	3,382
Private										
U. Notre Dame	27,732	19,195	935	4,804	2,798	21,011	15,624	813	3,286	1,288
Iowa										
Public										
Iowa State U.	17,764	12,491	4,515	446	312	14,343	9,675	4,062	430	176
U. Iowa	25,013	23,763	0	0	1,250	23,628	22,447	0	0	1,181
U. Northern Iowa	364	364	0	0	0	364	364	0	0	0
Private										
Des Moines U.	26	16	0	10	0	26	16	0	10	0
Grinnell C.	6	6	0	0	0	6	6	0	0	0
Palmer C. of Chiropractic, Davenport	750	750	0	0	0	750	750	0	0	0
Kansas										
Public										
Fort Hays State U.	122	122	0	0	0	122	122	0	0	0
Kansas State U.	13,131	10,347	802	728	1,254	12,311	9,884	524	728	1,175
Pittsburg State U.	0	0	0	0	0	0	0	0	0	0
U. Kansas	29,732	18,898	4,538	6,156	140	26,182	16,938	3,225	5,879	140
Wichita State U.	4,057	3,332	412	208	105	4,057	3,332	412	208	105
Kentucky										
Public										
Eastern Kentucky U.	25	23	2	0	0	25	23	2	0	0
Kentucky State U.	358	358	0	0	0	358	358	0	0	0
Morehead State U.	74	0	74	0	0	74	0	74	0	0

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Murray State U.	662	662	0	0	0	662	662	0	0	0
Northern Kentucky U.	3	0	0	1	2	3	0	0	1	2
U. Kentucky	20,478	16,493	1,842	1,763	380	16,670	13,261	1,552	1,550	307
U. Louisville	9,827	6,067	1,498	1,397	865	9,096	5,703	1,343	1,265	785
Western Kentucky U.	10	10	0	0	0	10	10	0	0	0
Louisiana										
Public										
Grambling State U.	18	18	0	0	0	18	18	0	0	0
Louisiana State U., Baton Rouge	13,169	12,253	223	348	345	10,569	10,277	85	140	67
Louisiana State U., Health Sciences Center, New Orleans	6,920	2,962	73	3,884	1	6,499	2,578	73	3,848	0
Louisiana State U., Health Sciences Center, Shreveport	368	356	5	0	7	356	349	0	0	7
Louisiana Tech U.	849	835	14	0	0	799	785	14	0	0
Northwestern State U. Louisiana	0	0	0	0	0	0	0	0	0	0
Southeastern Louisiana U.	23	23	0	0	0	23	23	0	0	0
Southern U. and A&M C., Agricultural Research and Extension Center	0	0	0	0	0	0	0	0	0	0
Southern U. and A&M C., Baton Rouge	345	129	216	0	0	345	129	216	0	0
U. Louisiana, Lafayette	2,259	1,485	630	0	144	2,095	1,363	588	0	144
U. Louisiana, Monroe	44	44	0	0	0	44	44	0	0	0
U. New Orleans	1,442	284	278	508	372	1,049	284	41	361	363
Private										
Dillard U.	65	65	0	0	0	65	65	0	0	0
Tulane U.	19,099	11,097	2,833	457	4,712	12,115	8,255	1,363	249	2,248
Xavier U. Louisiana	322	322	0	0	0	322	322	0	0	0
Maine										
Public										
U. Maine	5,943	4,904	258	675	106	4,419	3,487	236	590	106
U. Southern Maine	0	0	0	0	0	0	0	0	0	0
Private										
Bates C.	385	385	0	0	0	385	385	0	0	0

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(Dollars in thousands)

State, institutional control, and institution	Total					Federally financed				
	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients
Bowdoin C.	295	34	0	261	0	276	33	0	243	0
Colby C.	0	0	0	0	0	0	0	0	0	0
U. New England	167	55	34	19	59	155	55	34	7	59
Maryland										
Public										
Bowie State U.	0	0	0	0	0	0	0	0	0	0
Morgan State U.	1,446	1,397	39	10	0	1,444	1,397	37	10	0
Salisbury U.	135	82	0	53	0	53	0	0	53	0
Towson U.	378	281	89	0	8	378	281	89	0	8
U. Baltimore	3,274	1,101	33	1,174	966	3,241	1,101	0	1,174	966
U. Maryland ^a	127,192	86,294	11,810	15,074	14,014	99,438	66,062	9,743	14,068	9,565
U. Maryland Center for Environmental Science	2,761	2,039	97	71	554	2,369	1,818	94	71	386
U. Maryland, Baltimore County	5,447	5,102	70	96	179	5,275	4,977	70	94	134
U. Maryland, Eastern Shore	120	120	0	0	0	120	120	0	0	0
U.S. Naval Academy	0	0	0	0	0	0	0	0	0	0
Uniformed Services U. of the Health Sciences	0	0	0	0	0	0	0	0	0	0
Private										
Johns Hopkins U. ^b	174,995	98,170	i 17,641	i 36,406	i 22,778	i 138,616	i 82,396	i 12,797	i 26,537	i 16,886
Massachusetts										
Public										
Framingham State U.	0	0	0	0	0	0	0	0	0	0
U. Massachusetts, Amherst	13,970	10,075	2,031	495	1,369	11,095	8,541	1,312	419	823
U. Massachusetts, Boston	6,106	3,065	981	1,822	238	4,074	1,789	825	1,222	238
U. Massachusetts, central office	365	188	0	177	0	149	149	0	0	0
U. Massachusetts, Dartmouth	318	0	60	0	258	164	0	60	0	104
U. Massachusetts, Lowell	8,711	3,392	4,289	789	241	4,608	3,039	758	570	241
U. Massachusetts, Medical School	28,086	17,491	2,860	7,735	0	27,281	17,192	2,773	7,316	0
Private										
Amherst C.	39	33	0	6	0	39	33	0	6	0
Babson C.	NA	NA	NA	NA	NA	0	0	0	0	0

TABLE 76

Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2020

(Dollars in thousands)

State, institutional control, and institution	Total					Federally financed				
	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients
Boston C.	8,805	3,816	13	2,215	2,761	5,845	3,138	13	2,001	693
Boston U.	101,714	25,738	51,294	24,462	220	63,155	21,284	20,445	21,269	157
Brandeis U.	3,679	3,039	70	540	30	3,110	2,470	70	540	30
Clark U.	731	694	0	0	37	727	690	0	0	37
Emerson C.	0	0	0	0	0	0	0	0	0	0
Franklin W. Olin C. of Engineering	0	0	0	0	0	0	0	0	0	0
Harvard U.	143,887	50,438	2,772	31,006	59,671	114,965	42,196	2,378	25,358	45,033
Massachusetts Institute of Technology	30,828	8,698	17,666	4,093	371	28,404	8,292	17,079	2,662	371
Merrimack C.	0	0	0	0	0	0	0	0	0	0
MGH Institute of Health Professions	444	444	0	0	0	444	444	0	0	0
Mount Holyoke C.	25	25	0	0	0	25	25	0	0	0
New England C. of Optometry	9	9	0	0	0	9	9	0	0	0
Northeastern U.	37,489	21,913	4,358	10,814	404	36,822	21,525	4,278	10,751	268
Smith C.	126	99	0	27	0	126	99	0	27	0
Stonehill C.	168	0	0	168	0	168	0	0	168	0
Suffolk U.	593	346	0	247	0	513	266	0	247	0
Tufts U.	28,008	243	249	3,408	24,108	23,849	41	0	0	23,808
Wellesley C.	9	9	0	0	0	9	9	0	0	0
Williams C.	0	0	0	0	0	0	0	0	0	0
Woods Hole Oceanographic Institution	26,906	24,681	697	757	771	26,242	24,265	563	693	721
Worcester Polytechnic Institute	3,701	1,862	604	1,113	122	3,007	1,852	577	456	122
Michigan										
Public										
Central Michigan U.	2,584	2,397	43	0	144	2,541	2,354	43	0	144
Eastern Michigan U.	1,199	1,173	26	0	0	1,135	1,109	26	0	0
Grand Valley State U.	93	63	30	NA	NA	93	63	30	0	0
Michigan State U.	45,105	26,594	3,604	10,188	4,719	41,097	24,816	3,046	9,036	4,199
Michigan Technological U.	4,271	3,669	586	0	16	4,154	3,552	586	0	16
Northern Michigan U.	16	16	0	0	0	16	16	0	0	0
Oakland U.	293	220	73	0	0	98	25	73	0	0
Saginaw Valley State U.	417	0	106	0	311	417	0	106	0	311
U. Michigan, Ann Arbor	119,776	80,451	8,094	21,791	9,440	107,124	73,568	7,383	20,744	5,429

TABLE 76

Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2020

(Dollars in thousands)

State, institutional control, and institution	Total					Federally financed				
	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients
U. Michigan, Dearborn	26	18	0	0	8	8	0	0	0	8
U. Michigan, Flint	5	0	0	5	0	5	0	0	5	0
Wayne State U.	9,110	6,933	713	1,464	0	8,299	6,428	635	1,236	0
Western Michigan U. and Homer Stryker M.D. School of Medicine	704	414	98	121	71	630	379	98	82	71
Private										
Albion C.	0	0	0	0	0	0	0	0	0	0
Andrews U.	56	56	0	0	0	56	56	0	0	0
Calvin U.	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Hope C.	115	44	60	11	0	11	0	0	11	0
Kettering U.	19	9	0	10	0	19	9	0	10	0
Lawrence Technological U.	0	0	0	0	0	0	0	0	0	0
U. Detroit Mercy	507	507	0	0	0	507	507	0	0	0
Van Andel Research Institute	2,331	863	0	1,468	0	1,336	863	0	473	0
Minnesota										
Public										
Minnesota State U., Mankato	355 i	196 i	68 i	47 i	44 i	314 i	177 i	58 i	42 i	37 i
St. Cloud State U.	233	57	0	0	176	113	57	0	0	56
U. Minnesota, Duluth	266	144 i	49 i	44 i	29 i	87	55 i	12 i	12 i	8 i
U. Minnesota, Morris	10	0 i	0 i	0 i	10 i	0	0	0	0	0
U. Minnesota, Twin Cities	89,639	50,295 i	17,118 i	12,012 i	10,214 i	75,525	42,986 i	14,314 i	10,102 i	8,123 i
Private										
C. of Saint Benedict	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Carleton C.	52	52	0	0	0	52	52	0	0	0
Macalester C.	178	178	0	0	0	178	178	0	0	0
Saint John's U., Collegeville	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
St. Olaf C.	0	0	0	0	0	0	0	0	0	0
U. of St. Thomas (MN)	15	15	0	0	0	11	11	0	0	0
Mississippi										
Public										
Alcorn State U.	243	243	0	0	0	243	243	0	0	0
Jackson State U.	1,956	1,945	0	0	11	1,956	1,945	0	0	11

TABLE 76

Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2020

(Dollars in thousands)

State, institutional control, and institution	Total					Federally financed				
	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients
Creighton U.	932	614	143	175	0	932	614	143	175	0
Doane U.	0	0	0	0	0	0	0	0	0	0
Nevada										
Public										
Desert Research Institute	1,009	473	521	15	0	443	440	3	0	0
U. Nevada, Las Vegas	5,383	4,728	319	250	86	4,814	4,389	319	20	86
U. Nevada, Reno	7,858	5,709	826	317	1,006	7,686	5,546	817	317	1,006
Private										
Roseman U. of Health Sciences	0	0	0	0	0	0	0	0	0	0
New Hampshire										
Public										
Keene State C.	32	0	0	0	32	32	0	0	0	32
U. New Hampshire	14,483	9,098	1,911	3,158	316	14,023	8,756	1,811	3,140	316
Private										
Dartmouth C. and Dartmouth Hitchcock Medical Center	28,558	19,367	2,525	5,612	1,054	24,137	17,698	1,674	3,734	1,031
New Jersey										
Public										
C. New Jersey	0	0	0	0	0	0	0	0	0	0
Kean U.	0	0	0	0	0	0	0	0	0	0
Montclair State U.	1,186	375	0	811	0	93	93	0	0	0
New Jersey City U.	0	0	0	0	0	0	0	0	0	0
New Jersey Institute of Technology	33,989	4,852	19,950	1,255	7,932	33,653	4,700	19,825	1,255	7,873
Rowan U.	1,623	1,093	27	503	0	1,150	736	24	390	0
Rutgers, State U. New Jersey, Camden	180	43	0	0	137	180	43	0	0	137
Rutgers, State U. New Jersey, New Brunswick	42,761	29,055	5,580	2,833	5,293	39,785	27,384	5,061	2,372	4,968
Rutgers, State U. New Jersey, Newark	1,423	947	422	0	54	1,423	947	422	0	54
Stockton U.	300	0	300	0	0	0	0	0	0	0
William Paterson U.	0	0	0	0	0	0	0	0	0	0
Private										
Monmouth U.	995	55	0	940	0	0	0	0	0	0

TABLE 76

Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2020

(Dollars in thousands)

State, institutional control, and institution	Total					Federally financed				
	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients
Princeton U.	37,772	32,889	1,331	98	3,454	33,890	29,356	1,276	98	3,160
Seton Hall U.	138	138	0	0	0	138	138	0	0	0
Stevens Institute of Technology	6,755	6,580	140	32	3	6,639	6,512	127	0	0
New Mexico										
Public										
New Mexico Highlands U.	0	0	0	0	0	0	0	0	0	0
New Mexico Institute of Mining and Technology	2,623	2,107	511	0	5	2,623	2,107	511	0	5
New Mexico State U.	8,903	4,139	3,576	908	280	8,553	3,852	3,576	908	217
U. New Mexico	22,280	13,348	2,790	4,676	1,466	21,035	13,051	2,787	4,117	1,080
New York										
Public										
CUNY, Advanced Science Research Center	2,294	2,294	0	0	0	2,294	2,294	0	0	0
CUNY, Baruch C.	70	70	0	0	0	0	0	0	0	0
CUNY, Brooklyn C.	570	250	118	202	0	428	177	114	137	0
CUNY, C. Staten Island	250	86	0	154	10	177	86	0	81	10
CUNY, City C.	4,626	3,171	166	1,287	2	4,170	2,894	63	1,211	2
CUNY, Graduate Center	515	169	0	346	0	492	169	0	323	0
CUNY, Graduate School of Public Health and Health Policy	434	224	41	169	0	419	209	41	169	0
CUNY, Hunter C.	2,588	1,162	206	940	280	2,533	1,107	206	940	280
CUNY, John Jay C. of Criminal Justice	1,904	873	718	225	88	1,313	471	718	124	0
CUNY, Lehman C.	143	143	0	0	0	143	143	0	0	0
CUNY, Medgar Evers C.	32	32	0	0	0	32	32	0	0	0
CUNY, New York City C. of Technology	126	126	0	0	0	126	126	0	0	0
CUNY, Queens C.	1,938	697	577	664	0	1,833	642	527	664	0
CUNY, system office	230	230	0	0	0	230	230	0	0	0
CUNY, York C.	3	0	0	3	0	3	0	0	3	0
SUNY, Binghamton U.	4,824	2,366	2,165	212	81	3,496	2,354	849	212	81
SUNY, Buffalo State	69	69	0	0	0	69	69	0	0	0
SUNY, C. Brockport	97	19	0	0	78	14	14	0	0	0

TABLE 76

Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2020

(Dollars in thousands)

State, institutional control, and institution	Total					Federally financed				
	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients
SUNY, C. of Environmental Science and Forestry	1,015	487	388	45	95	544	332	112	17	83
SUNY, C. of Optometry	35	35	0	0	0	35	35	0	0	0
SUNY, C. Plattsburgh	100	0	0	0	100	100	0	0	0	100
SUNY, Downstate Medical Center	8,385	7,600	23	20	742	8,360	7,598	0	20	742
SUNY, Geneseo	14	14	0	0	0	14	14	0	0	0
SUNY, Oswego	0	0	0	0	0	0	0	0	0	0
SUNY, Polytechnic Institute	23,206	17,824	5,312	70	0	9,896	5,567	4,329	0	0
SUNY, Stony Brook U.	20,203	16,866	1,192	1,611	534	19,507	16,720	1,166	1,131	490
SUNY, U. Albany	13,108	8,338	3,557	898	315	9,497	7,490	917	801	289
SUNY, U. Buffalo	20,895	12,656	2,175	6,064	0	17,053	12,205	647	4,201	0
SUNY, Upstate Medical U.	2,114	1,339	308	467	0	1,941	1,277	308	356	0
U.S. Military Academy	215	125	90	0	0	125	125	0	0	0
Private										
Albany C. of Pharmacy and Health Sciences	201	201	0	0	0	201	201	0	0	0
Albany Medical C.	923	699	0	224	0	923	699	0	224	0
Albert Einstein C. of Medicine	28,555	19,763	2,116	5,252	1,424	28,461	19,694	2,116	5,227	1,424
Alfred U.	48	36	12	0	0	36	36	0	0	0
Barnard C.	552	552	0	0	0	552	552	0	0	0
Clarkson U.	1,081	348	487	246	0	850	238	367	245	0
Cold Spring Harbor Laboratory	7,425 i	4,444 i	1,454 i	1,433 i	94 i	6,778 i	4,444 i	1,008 i	1,246 i	80 i
Colgate U.	85	85	0	0	0	85	85	0	0	0
Columbia U. in the City of New York	104,373	65,969	1,968	28,837	7,599	99,604	63,161	1,683	28,486	6,274
Cornell U.	106,704	57,704	9,592	20,518	18,890	80,888	52,064	7,454	16,051	5,319
Fordham U.	152	111	0	41	0	152	111	0	41	0
Hamilton C.	0	0	0	0	0	0	0	0	0	0
Hobart and William Smith Colleges	14	0	0	14	0	14	0	0	14	0
Hofstra U.	203	63	0	6	134	63	63	0	0	0
Icahn School of Medicine at Mount Sinai	78,584	42,719	4,678	23,975	7,212	74,827	41,314	4,495	21,976	7,042
Ithaca C.	151	47	0	104	0	151	47	0	104	0
Long Island U.	168	168	0	0	0	168	168	0	0	0

TABLE 76

Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2020

(Dollars in thousands)

State, institutional control, and institution	Total					Federally financed				
	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients
Manhattan C.	0	0	0	0	0	0	0	0	0	0
Memorial Sloan Kettering Cancer Center, Louis V. Gerstner Jr. Graduate S. of Biomedical Sciences	0	0	0	0	0	0	0	0	0	0
New School	2,331	265	81	1,703	282	51	41	10	0	0
New York Institute of Technology	92	41	0	51	0	92	41	0	51	0
New York Medical C.	1,248	1,048	30	170	0	1,048	1,048	0	0	0
New York U.	64,569	11,962	5,707	44,496	2,404	56,499	10,055	4,570	40,907	967
Niagara U.	0	0	0	0	0	0	0	0	0	0
Pace U.	626	260	0	366	0	626	260	0	366	0
Rensselaer Polytechnic Institute	6,467	4,468	648	1,091	260	5,870	4,215	505	1,071	79
Rochester Institute of Technology	2,392	1,774	344	152	122	2,090	1,490	339	139	122
Rockefeller U.	10,483	6,689	153	2,590	1,051	8,274	5,558	153	2,223	340
Skidmore C.	491	116	0	375	0	491	116	0	375	0
St. Bonaventure U.	59	58	0	0	1	59	58	0	0	1
St. John's U., New York	21 i	21 i	0 i	0 i	0 i	21 i	21 i	0 i	0 i	0 i
Syracuse U.	5,130	2,634	521	1,878	97	3,292	2,505	440	250	97
Teachers C., Columbia U.	2,498	1,351	0	682	465	1,144	592	0	365	187
U. Rochester	31,493	22,321	2,008	4,142	3,022	28,845	21,036	1,748	3,806	2,255
Union C., Schenectady	0	0	0	0	0	0	0	0	0	0
Vassar C.	202	202	0	0	0	202	202	0	0	0
Yeshiva U.	0	0	0	0	0	0	0	0	0	0
North Carolina										
Public										
Appalachian State U.	110	72	17	21	0	72	72	0	0	0
East Carolina U.	2,366	897	0	640	829	2,226	841	0	628	757
Elizabeth City State U.	0	0	0	0	0	0	0	0	0	0
Fayetteville State U.	26	26	0	0	0	26	26	0	0	0
North Carolina Agricultural and Technical State U.	2,197	2,115	72	10	0	2,171	2,089	72	10	0
North Carolina Central U.	447	346	101	0	0	287	287	0	0	0
North Carolina State U.	43,571	95 i	19,020 i	13,392 i	11,064 i	39,542	95 i	17,351 i	12,249 i	9,847 i

TABLE 76

Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2020

(Dollars in thousands)

State, institutional control, and institution	Total					Federally financed				
	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients
U. North Carolina, Asheville	543	23	0	484	36	166	23	0	107	36
U. North Carolina, Chapel Hill	134,183	74,332	29,059	22,968	7,824	125,442	70,665	28,177	20,581	6,019
U. North Carolina, Charlotte	3,050	2,728	222	35	65	2,980	2,693	222	0	65
U. North Carolina, general administration	3,914	3,914	0	0	0	544	544	0	0	0
U. North Carolina, Greensboro	2,811	1,227	729	443	412	2,751	1,227	729	412	383
U. North Carolina, Wilmington	1,646	1,299	209	134	4	1,513	1,289	209	11	4
Western Carolina U.	128	81	0	0	47	128	81	0	0	47
Winston-Salem State U.	0	0	0	0	0	0	0	0	0	0
Private										
Davidson C.	81	81	0	0	0	69	69	0	0	0
Duke U.	163,526	44,515	117,121	1,325	565	92,899	39,557	52,512	733	97
Elon U.	5	5	0	0	0	5	5	0	0	0
Johnson C. Smith U.	0	0	0	0	0	0	0	0	0	0
Wake Forest U.	34,408	25,100	250	8,436	622	30,934	22,326	220	8,133	255
North Dakota										
Public										
North Dakota State U.	5,549	4,592	777	0	180	4,621	3,682	770	0	169
U. North Dakota	9,939	2,797	5,351	1,692	99	7,559	2,753	3,090	1,688	28
Ohio										
Public										
Air Force Institute of Technology	35	35	0	0	0	35	35	0	0	0
Bowling Green State U.	950	875	29	3	43	828	794	29	0	5
Central State U.	191	145	0	0	46	168	145	0	0	23
Cleveland State U.	728	404	85	217	22	523	284	0	217	22
Kent State U.	1,388	912	0	444	32	1,357	904	0	421	32
Miami U.	928	778	32	118	0	775	714	32	29	0
Northeast Ohio Medical U.	161	94	0	6	61	151	90	0	0	61
Ohio State U.	87,406	55,134	6,003	23,597	2,672	63,509	39,475	3,939	17,896	2,199
Ohio U.	1,517	1,312	132	73	0	937	754	110	73	0
U. Akron	553	523	20	10	0	473	473	0	0	0
U. Cincinnati	17,465	8,158	396	8,860	51	15,001	7,389	306	7,262	44
U. Toledo	2,673	2,047	135	440	51	2,397	1,801	108	440	48

TABLE 76

Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2020

(Dollars in thousands)

State, institutional control, and institution	Total					Federally financed				
	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients
Wright State U.	16,056	6,801	6,171	2,895	189	11,805	2,966	6,141	2,636	62
Youngstown State U.	1,435	314	805	283	33	1,435	314	805	283	33
Private										
C. Wooster	0	0	0	0	0	0	0	0	0	0
Case Western Reserve U.	46,581	32,168	1,680	10,243	2,490	44,294	30,979	1,630	9,591	2,094
Heidelberg U.	0	0	0	0	0	0	0	0	0	0
Kenyon C.	0	0	0	0	0	0	0	0	0	0
Oberlin C.	0	0	0	0	0	0	0	0	0	0
U. Dayton	24,434	3,969	19,969	448	48	24,415	3,969	19,969	448	29
Oklahoma										
Public										
Langston U.	737	605	106	26	0	737	605	106	26	0
Oklahoma State U., Center for Health Sciences	593	388	47	42	116	585	385	47	42	111
Oklahoma State U., Stillwater	4,478	3,675	91	615	97	3,603	3,124	91	339	49
U. Central Oklahoma	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
U. Oklahoma, Norman and Health Science Center	49,334	11,439	30,138	7,289	468	47,124	10,265	29,415	7,096	348
U. Oklahoma, Tulsa	36	36	0	0	0	0	0	0	0	0
Private										
U. Tulsa	880	751	76	30	23	777	747	0	30	0
Oregon										
Public										
Oregon Health and Science U.	53,380	27,858	12,199	6,470	6,853	47,244	24,969	11,025	6,121	5,129
Oregon Institute of Technology	0	0	0	0	0	0	0	0	0	0
Oregon State U.	20,013	13,956	3,102	1,609	1,346	17,949	12,297	3,075	1,435	1,142
Portland State U.	4,947	4,217	182	359	189	4,658	4,162	126	226	144
U. Oregon	7,433	5,384	88	1,493	468	7,116	5,122	33	1,493	468
Private										
Lewis and Clark C.	0	0	0	0	0	0	0	0	0	0
National U. of Natural Medicine	47	47	0	0	0	47	47	0	0	0
Pacific U.	237	237	0	0	0	237	237	0	0	0

TABLE 76

Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2020

(Dollars in thousands)

State, institutional control, and institution	Total					Federally financed				
	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients
Reed C.	21	21	0	0	0	21	21	0	0	0
Willamette U.	0	0	0	0	0	0	0	0	0	0
Pennsylvania										
Public										
Indiana U. Pennsylvania	95	68	0	27	0	95	68	0	27	0
Pennsylvania State U., Behrend	350	98 i	177 i	61 i	14 i	55	34 i	10 i	5 i	6 i
Pennsylvania State U., Harrisburg	24	24	0	0	0	24	24	0	0	0
Pennsylvania State U., University Park and Hershey Medical Center	79,211	38,900 i	17,122 i	11,824 i	11,365 i	41,958	23,880 i	7,952 i	5,614 i	4,512 i
Temple U.	16,119	10,993	1,779	3,076	271	14,182	9,944	1,017	2,961	260
U. Pittsburgh, Pittsburgh	86,039	53,726	8,076	20,570	3,667	78,773	49,512	7,794	18,436	3,031
West Chester U. Pennsylvania	59	59	0	0	0	49	49	0	0	0
Private										
Bryn Mawr C.	672	0	0	672	0	672	0	0	672	0
Bucknell U.	170 i	24 i	0 i	146 i	0 i	45 i	24 i	0 i	21 i	0 i
Carnegie Mellon U.	23,820	19,212	2,775	983	850	21,912	17,825	2,587	876	624
Dickinson C.	0	0	0	0	0	0	0	0	0	0
Drexel U.	12,442	7,780	793	2,146	1,723	9,773	7,089	348	1,726	610
Duquesne U.	949	939	0	10	0	936	926	0	10	0
Franklin and Marshall C.	0	0	0	0	0	0	0	0	0	0
Gettysburg C.	169	151	0	18	0	28	24	0	4	0
Haverford C.	15	15	0	0	0	15	15	0	0	0
La Salle U.	0	0	0	0	0	0	0	0	0	0
Lafayette C.	25	25	0	0	0	25	25	0	0	0
Lehigh U.	2,454	2,105	247	91	11	1,608	1,270	247	91	0
Mercyhurst U.	70 i	0 i	20 i	28 i	22 i	39 i	0 i	9 i	19 i	11 i
Philadelphia C. of Osteopathic Medicine	0	0	0	0	0	0	0	0	0	0
Saint Joseph's U.	183	165	0	18	0	165	165	0	0	0
Swarthmore C.	107	107	0	0	0	71	71	0	0	0
Thomas Jefferson U.	8,500	5,631	85	2,006	778	7,808	5,128	57	1,873	750
U. of the Sciences Philadelphia	95	95	0	0	0	24	24	0	0	0
U. Pennsylvania	108,559	57,403	3,789	27,040	20,327	82,241	51,706	3,409	20,958	6,168

TABLE 76

Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2020

(Dollars in thousands)

State, institutional control, and institution	Total					Federally financed				
	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients
Villanova U.	404	231	101	72	0	295	221	2	72	0
Rhode Island										
Public										
Naval War C.	0	0	0	0	0	0	0	0	0	0
Rhode Island C.	496	285	0	211	0	162	162	0	0	0
U. Rhode Island	13,198	7,275	2,543	1,110	2,270	12,287	6,880	2,478	966	1,963
Private										
Brown U.	29,657	17,921	2,897	8,245	594	28,702	17,633	2,469	8,006	594
Providence C.	0	0	0	0	0	0	0	0	0	0
Rhode Island School of Design	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Roger Williams U.	112	106	0	0	6	105	99	0	0	6
South Carolina										
Public										
C. Charleston	834	834	0	0	0	834	834	0	0	0
Citadel Military C. South Carolina	0	0	0	0	0	0	0	0	0	0
Clemson U.	13,891	5,605 i	2,325 i	3,650 i	2,311 i	9,448	5,605 i	2,040 i	253 i	1,550 i
Coastal Carolina U.	129	129	0	0	0	129	129	0	0	0
Medical U. South Carolina	20,563	10,128	4,158	3,825	2,452	17,444	9,128	3,182	2,813	2,321
South Carolina State U.	602 i	512 i	51 i	34 i	5 i	602 i	512 i	51 i	34 i	5 i
U. South Carolina, Aiken	100	100	0	0	0	95	95	0	0	0
U. South Carolina, Columbia	18,200	14,576	766	1,918	940	15,708	12,998	645	1,582	483
Winthrop U.	0	0	0	0	0	0	0	0	0	0
Private										
Benedict C.	24	24	0	0	0	24	24	0	0	0
Claflin U.	9	9	0	0	0	9	9	0	0	0
Furman U.	3	3	0	0	0	3	3	0	0	0
South Dakota										
Public										
Black Hills State U.	0	0	0	0	0	0	0	0	0	0
Dakota State U.	89	89	0	0	0	89	89	0	0	0
South Dakota School of Mines and Technology	1,761	1,623	100	38	0	1,668	1,530	100	38	0

TABLE 76

Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2020

(Dollars in thousands)

State, institutional control, and institution	Total					Federally financed				
	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients
South Dakota State U.	5,292	4,877	206	6	203	4,850	4,441	206	0	203
U. South Dakota	3,584	2,800	0	784	0	3,365	2,758	0	607	0
Tennessee										
Public										
Austin Peay State U.	0	0	0	0	0	0	0	0	0	0
East Tennessee State U.	602	600	2	0	0	519	519	0	0	0
Middle Tennessee State U.	811	772	39	0	0	811	772	39	0	0
Tennessee State U.	182	94	81	0	7	98	83	8	0	7
Tennessee Technological U.	826	319	222	3	282	826	319	222	3	282
U. Memphis	3,072	2,552	159	58	303	2,947	2,526	159	58	204
U. Tennessee, Chattanooga	37	37	0	0	0	37	37	0	0	0
U. Tennessee, Health Science Center	6,562	4,969	702	495	396	6,562	4,969	702	495	396
U. Tennessee, Knoxville ^c	20,519	17,324	1,374	1,063	758	17,414	15,013	1,056	745	600
Private										
Fisk U.	393	145	248	0	0	393	145	248	0	0
Lipscomb U.	84	44	13	19	8	70	40	8	17	5
Meharry Medical C.	480	432	0	48	0	480	432	0	48	0
Vanderbilt U. and Vanderbilt U. Medical Center	93,832	67,304	8,170	16,319	2,039	84,551	59,883	7,402	15,292	1,974
Texas										
Public										
Lamar U.	0	0	0	0	0	0	0	0	0	0
Midwestern State U.	0	0	0	0	0	0	0	0	0	0
Prairie View A&M U.	392	289	0	103	0	392	289	0	103	0
Sam Houston State U.	320	320	0	0	0	227	227	0	0	0
Stephen F. Austin State U.	20	20	0	0	0	20	20	0	0	0
Sul Ross State U.	0	0	0	0	0	0	0	0	0	0
Tarleton State U.	177	82	0	0	95	150	82	0	0	68
Texas A&M International U.	26	21	5	0	0	26	21	5	0	0
Texas A&M U., College Station and Health Science Center	193,984	27,442	159,181	3,846	3,515	174,913	24,229	145,841	3,423	1,420
Texas A&M U.-Commerce	20	20	0	0	0	20	20	0	0	0

TABLE 76

Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2020

(Dollars in thousands)

State, institutional control, and institution	Total					Federally financed				
	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients
Texas A&M U.-Corpus Christi	5,281	3,282	1,835	100	64	4,022	3,036	822	100	64
Texas A&M U.-Kingsville	597	506	0	74	17	510	479	0	14	17
Texas Southern U.	641	641	0	0	0	641	641	0	0	0
Texas State U.	2,371	1,431	567	88	285	2,335	1,396	566	88	285
Texas Tech U.	3,658	2,220	1,409	15	14	2,297	1,131	1,158	8	0
Texas Tech U., Health Sciences Center	1,035	883	82	70	0	1,035	883	82	70	0
Texas Tech U., Health Sciences Center, El Paso	63	0	0	0	63	0	0	0	0	0
Texas Woman's U.	0	0	0	0	0	0	0	0	0	0
U. Houston	11,680	4,905	1,429	1,938	3,408	8,813	4,305	1,166	946	2,396
U. Houston-Clear Lake	10	10	0	0	0	0	0	0	0	0
U. Houston-Downtown	211	160	0	0	51	160	160	0	0	0
U. North Texas, Denton	1,139	951	0	139	49	967	929	0	0	38
U. North Texas, Health Science Center	3,591	2,951	62	540	38	3,485	2,937	30	480	38
U. Texas Health Science Center, Houston	18,106	14,173	463	2,242	1,228	16,150	13,355	153	1,871	771
U. Texas Health Science Center, San Antonio	14,361	12,636	215	1,002	508	13,361	11,902	215	736	508
U. Texas Health Science Center, Tyler	327	0	0	0	327	327	0	0	0	327
U. Texas M. D. Anderson Cancer Center	26,079	16,017	1,190	8,263	609	17,572	10,451	922	5,619	580
U. Texas Medical Branch	16,311	10,140	3,901	403	1,867	15,367	10,140	3,901	403	923
U. Texas of the Permian Basin	0	0	0	0	0	0	0	0	0	0
U. Texas Rio Grande Valley	1,882	1,365	0	182	335	1,882	1,365	0	182	335
U. Texas Southwestern Medical Center	25,737	12,925	1,387	7,825	3,600	22,621	12,413	1,307	6,880	2,021
U. Texas, Arlington	9,588	7,163	630	1,661	134	8,929	6,504	630	1,661	134
U. Texas, Austin	43,885	30,761	3,721	6,665	2,738	34,446	26,437	2,243	4,776	990
U. Texas, Dallas	1,527	0	0	0	1,527	1,434	0	0	0	1,434
U. Texas, El Paso	5,633	4,335	47	745	506	5,475	4,190	47	732	506
U. Texas, San Antonio	4,806	3,518	569	266	453	2,907	2,223	481	203	0
U. Texas, Tyler	118	118	0	0	0	118	118	0	0	0
West Texas A&M U.	34	34	0	0	0	34	34	0	0	0
Private										
Baylor C. of Medicine	57,770	49,818	3,423	4,474	55	52,520	45,959	2,979	3,527	55

TABLE 76

Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2020

(Dollars in thousands)

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	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients
Baylor U.	2,139	1,427	121	517	74	993	708	0	285	0
Rice U.	20,291	10,715	4,785	1,603	3,188	12,598	9,815	741	1,603	439
Southern Methodist U.	2,251	1,893	0	0	358	2,251	1,893	0	0	358
St. Edward's U.	30	30	0	0	0	30	30	0	0	0
Texas Christian U.	297	291	6	0	0	107	101	6	0	0
Trinity U.	2	0	0	2	0	2	0	0	2	0
U. of the Incarnate Word	0	0	0	0	0	0	0	0	0	0
Utah										
Public										
U. Utah	39,881	2,383	462	3,183	33,853	35,782	1,227	0	865	33,690
Utah State U.	46,317	11,180	34,460	0	677	45,462	10,953	33,844	0	665
Weber State U.	30	0	30	0	0	0	0	0	0	0
Private										
Brigham Young U., Provo	3,864	2,494	572	138	660	3,213	2,216	539	0	458
Vermont										
Public										
U. Vermont	15,473	12,385	620	1,924	544	12,046	10,514	483	683	366
Private										
Middlebury C.	77	77	0	0	0	77	77	0	0	0
Saint Michael's C.	28	28	0	0	0	28	28	0	0	0
Virginia										
Public										
Christopher Newport U.	222	37	105	57	23	117	37	0	57	23
Eastern Virginia Medical School	2,421	2,227	42	112	40	2,286	2,119	42	85	40
George Mason U.	48,371	6,265	39,604	1,367	1,135	47,267	5,982	39,009	1,171	1,105
James Madison U.	405	405	NA	NA	NA	405	405	0	0	0
Norfolk State U.	2,542	2,542	0	0	0	2,542	2,542	0	0	0
Old Dominion U.	3,642	1,704	728	1,156	54	2,466	1,356	482	574	54
U. of Mary Washington	0	0	0	0	0	0	0	0	0	0
U. Virginia, Charlottesville	43,996	29,861	3,240	8,332	2,563	36,340	26,361	1,964	6,569	1,446
Virginia Commonwealth U.	21,311	15,217	1,583	4,026	485	17,557	12,014	1,281	3,830	432

TABLE 76

Total and federally financed higher education R&D expenditures passed through to subrecipients, by state, institutional control, and institution: FY 2020

(Dollars in thousands)

State, institutional control, and institution	Total					Federally financed				
	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients	All R&D expenditures passed through	To higher education subrecipients	To businesses	To nonprofit organizations	To other subrecipients
U. Ana G. Mendez, Gurabo	0	0	0	0	0	0	0	0	0	0
U. Central del Caribe	0	0	0	0	0	0	0	0	0	0
Virgin Islands										
Public										
U. of the Virgin Islands	612	230	382	0	0	612	230	382	0	0

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

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

^b Johns Hopkins University includes the Applied Physics Laboratory, with zero in both total and federally financed R&D expenditures passed through to subrecipients 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.

Note(s):

This table includes only institutions reporting \$1 million or more in total R&D expenditures in 2019. Institutions reporting less than \$1 million in total R&D expenditures in 2019 completed a shorter version of the survey form in FY 2020, and that form requested R&D expenditures passed through only to higher education institutions. For a list of R&D expenditures passed through to higher education institutions at institutions completing the shorter version of the survey, see table 84.

Source(s):

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