TABLE 9

Federal obligations for science and engineering to universities and colleges and number of recipient institutions, by state, outlying area, and type of activity: FY 2022

(Dollars in thousands and number)

State and outlying area	All federal obligations	R&D	R&D plant	Facilities and equipment for instruction in S&E	S&E fellowships, traineeships, and training grants	Other general support for S&E
All states and outlying areas						
Obligations ($thousands)	44,628,417	41,303,924	512,849	17,885	1,942,928	850,831
Institutions (number)	1,089	998	187	26	774	352
Alabama						
Obligations ($thousands)	624,060	551,112	12,913	0	42,009	18,027
Institutions (number)	15	14	2	0	13	7
Alaska						
Obligations ($thousands)	112,394	103,857	210	0	4,445	3,882
Institutions (number)	6	6	1	0	4	3
Arizona						
Obligations ($thousands)	645,465	594,442	12,453	0	28,514	10,055
Institutions (number)	10	10	2	0	7	4
Arkansas						
Obligations ($thousands)	166,656	129,614	18,436	0	6,454	12,151
Institutions (number)	11	11	3	0	8	2
California						
Obligations ($thousands)	6,097,377	5,822,928	21,815	1,033	205,005	46,596
Institutions (number)	95	90	15	2	69	29
Colorado						
Obligations ($thousands)	1,203,788	1,137,307	5,733	0	47,731	13,017
Institutions (number)	18	17	2	0	13	6
Connecticut						
Obligations ($thousands)	850,709	785,534	13,632	0	41,101	10,443
Institutions (number)	16	13	2	0	10	3
Delaware						
Obligations ($thousands)	178,295	160,126	1,286	0	7,681	9,201
Institutions (number)	3	2	1	0	2	3
District of Columbia						
Obligations ($thousands)	599,707	525,083	47,488	116	23,492	3,528
Institutions (number)	13	13	1	1	7	5
Florida						

TABLE 9

Federal obligations for science and engineering to universities and colleges and number of recipient institutions, by state, outlying area, and type of activity: FY 2022

(Dollars in thousands and number)

State and outlying area	All federal obligations	R&D	R&D plant	Facilities and equipment for instruction in S&E	S&E fellowships, traineeships, and training grants	Other general support for S&E
Obligations ($thousands)	1,216,533	1,116,811	23,509	300	49,308	26,605
Institutions (number)	33	28	7	1	23	14
Georgia						
Obligations ($thousands)	1,355,535	1,277,521	6,591	0	51,525	19,899
Institutions (number)	20	19	5	0	17	7
Hawaii						
Obligations ($thousands)	156,569	141,677	601	0	10,641	3,650
Institutions (number)	6	6	2	0	3	2
Idaho						
Obligations ($thousands)	92,061	59,753	12,492	0	12,663	7,152
Institutions (number)	5	4	3	0	4	2
Illinois						
Obligations ($thousands)	1,646,088	1,531,129	18,506	0	69,547	26,906
Institutions (number)	40	39	5	0	27	9
Indiana						
Obligations ($thousands)	679,480	636,450	689	321	18,208	23,812
Institutions (number)	15	15	4	1	10	4
Iowa						
Obligations ($thousands)	472,468	417,612	9,598	0	22,478	22,780
Institutions (number)	13	13	3	0	6	1
Kansas						
Obligations ($thousands)	287,199	253,924	1,604	0	14,488	17,183
Institutions (number)	9	9	2	0	7	4
Kentucky						
Obligations ($thousands)	349,323	306,670	3,247	0	22,835	16,572
Institutions (number)	16	13	3	0	12	5
Louisiana						
Obligations ($thousands)	346,387	298,713	17,017	0	17,366	13,290
Institutions (number)	12	12	5	0	7	5
Maine						
Obligations ($thousands)	83,967	70,912	0	1,000	6,423	5,633

TABLE 9

Federal obligations for science and engineering to universities and colleges and number of recipient institutions, by state, outlying area, and type of activity: FY 2022

(Dollars in thousands and number)

State and outlying area	All federal obligations	R&D	R&D plant	Facilities and equipment for instruction in S&E	S&E fellowships, traineeships, and training grants	Other general support for S&E
Institutions (number)	9	8	0	1	5	4
Maryland						
Obligations ($thousands)	2,508,610	2,412,866	7,048	1,157	73,772	13,767
Institutions (number)	22	21	3	1	16	6
Massachusetts						
Obligations ($thousands)	2,218,729	2,079,365	37,453	1,756	71,517	28,638
Institutions (number)	49	40	12	3	30	13
Michigan						
Obligations ($thousands)	1,362,081	1,273,507	10,137	1,325	54,657	22,455
Institutions (number)	27	21	5	2	19	8
Minnesota						
Obligations ($thousands)	643,438	577,122	980	0	37,024	28,312
Institutions (number)	27	22	2	0	16	5
Mississippi						
Obligations ($thousands)	207,272	169,701	2,742	0	7,029	27,800
Institutions (number)	7	6	1	0	7	4
Missouri						
Obligations ($thousands)	960,493	874,560	11,530	0	56,606	17,797
Institutions (number)	22	19	2	0	18	7
Montana						
Obligations ($thousands)	214,890	174,384	1,094	0	23,002	16,409
Institutions (number)	14	12	2	0	11	10
Nebraska						
Obligations ($thousands)	258,403	224,095	4,265	0	18,850	11,193
Institutions (number)	13	12	2	0	11	4
Nevada						
Obligations ($thousands)	106,273	96,042	1,371	0	4,379	4,481
Institutions (number)	4	4	2	0	3	4
New Hampshire						
Obligations ($thousands)	191,241	180,016	1,030	0	6,234	3,961
Institutions (number)	6	5	1	0	4	3
New Jersey						

TABLE 9

Federal obligations for science and engineering to universities and colleges and number of recipient institutions, by state, outlying area, and type of activity: FY 2022

(Dollars in thousands and number)

State and outlying area	All federal obligations	R&D	R&D plant	Facilities and equipment for instruction in S&E	S&E fellowships, traineeships, and training grants	Other general support for S&E
Obligations ($thousands)	568,672	532,366	9,050	91	19,664	7,500
Institutions (number)	19	18	4	1	13	6
New Mexico						
Obligations ($thousands)	247,571	202,664	9,250	0	21,507	14,150
Institutions (number)	10	10	2	0	9	8
New York						
Obligations ($thousands)	3,683,461	3,465,709	51,105	2,024	130,314	34,308
Institutions (number)	99	92	18	4	72	23
North Carolina						
Obligations ($thousands)	1,914,718	1,790,982	7,608	0	83,643	32,484
Institutions (number)	31	29	5	0	25	11
North Dakota						
Obligations ($thousands)	90,117	76,305	14	0	6,839	6,960
Institutions (number)	10	9	1	0	9	6
Ohio						
Obligations ($thousands)	1,054,049	979,136	3,342	1,003	44,895	25,672
Institutions (number)	37	31	6	1	26	11
Oklahoma						
Obligations ($thousands)	246,088	210,839	5,227	0	16,892	13,129
Institutions (number)	7	7	2	0	6	6
Oregon						
Obligations ($thousands)	591,292	517,912	40,544	0	22,956	9,881
Institutions (number)	15	15	3	0	11	4
Pennsylvania						
Obligations ($thousands)	2,609,776	2,461,686	18,389	1,004	102,731	25,966
Institutions (number)	50	49	8	3	29	8
Rhode Island						
Obligations ($thousands)	269,304	256,476	0	530	9,387	2,911
Institutions (number)	6	5	0	1	3	2
South Carolina						
Obligations ($thousands)	360,466	316,673	874	0	32,251	10,669

TABLE 9

Federal obligations for science and engineering to universities and colleges and number of recipient institutions, by state, outlying area, and type of activity: FY 2022

(Dollars in thousands and number)

State and outlying area	All federal obligations	R&D	R&D plant	Facilities and equipment for instruction in S&E	S&E fellowships, traineeships, and training grants	Other general support for S&E
Institutions (number)	17	17	1	0	12	3
South Dakota						
Obligations ($thousands)	69,015	49,070	1,527	753	10,070	7,595
Institutions (number)	10	9	2	1	7	6
Tennessee						
Obligations ($thousands)	920,433	820,609	12,748	0	63,478	23,598
Institutions (number)	24	21	8	0	18	9
Texas						
Obligations ($thousands)	2,666,814	2,468,086	24,002	1,249	125,829	47,648
Institutions (number)	70	66	9	2	53	26
Utah						
Obligations ($thousands)	475,645	443,411	2,517	0	24,348	5,368
Institutions (number)	9	9	2	0	7	2
Vermont						
Obligations ($thousands)	106,516	95,652	0	0	3,310	7,554
Institutions (number)	7	6	0	0	2	2
Virginia						
Obligations ($thousands)	759,182	684,024	9,983	4,224	36,564	24,386
Institutions (number)	28	26	8	1	21	8
Washington						
Obligations ($thousands)	1,075,668	993,788	2,189	0	61,913	17,777
Institutions (number)	23	20	3	0	16	8
West Virginia						
Obligations ($thousands)	101,649	87,686	40	0	6,047	7,876
Institutions (number)	11	11	1	0	9	2
Wisconsin						
Obligations ($thousands)	799,791	728,566	7,824	0	46,735	16,665
Institutions (number)	25	23	2	0	18	6
Wyoming						
Obligations ($thousands)	52,699	44,701	0	0	4,993	3,006
Institutions (number)	2	2	0	0	2	1
American Samoa						

TABLE 9

Federal obligations for science and engineering to universities and colleges and number of recipient institutions, by state, outlying area, and type of activity: FY 2022

(Dollars in thousands and number)

State and outlying area	All federal obligations	R&D	R&D plant	Facilities and equipment for instruction in S&E	S&E fellowships, traineeships, and training grants	Other general support for S&E
Obligations ($thousands)	4,298	1,918	0	0	300	2,080
Institutions (number)	1	1	0	0	1	1
Guam						
Obligations ($thousands)	12,204	9,712	0	0	340	2,152
Institutions (number)	1	1	0	0	1	1
Puerto Rico						
Obligations ($thousands)	90,775	68,603	304	0	11,835	10,033
Institutions (number)	17	14	1	0	13	6
Trust Territory of the Pacific Islands						
Obligations ($thousands)	8,081	3,719	0	0	165	4,197
Institutions (number)	3	2	0	0	1	2
U.S. Virgin Islands						
Obligations ($thousands)	14,644	10,796	841	0	939	2,069
Institutions (number)	1	1	1	0	1	1

S&E = science and engineering.

Note(s):
Detail may not add to total because of rounding.

Source(s):
National Center for Science and Engineering Statistics, Federal Science and Engineering Support FY 2022 module of the FYs 2022–23 Survey of Federal Funds for Research and Development.