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 2021

(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 ($thousands)	43,222,829	39,504,025	418,694	11,320	1,750,588	1,538,202
Institutions (number)	1,081	1,001	194	17	751	363
Alabama						
Obligations ($thousands)	581,957	498,006	4,331	0	46,801	32,818
Institutions (number)	18	18	3	0	14	10
Alaska						
Obligations ($thousands)	123,875	114,149	679	0	5,723	3,323
Institutions (number)	5	5	1	0	3	3
Arizona						
Obligations ($thousands)	603,521	558,327	10,737	246	20,841	13,371
Institutions (number)	10	10	2	1	8	6
Arkansas						
Obligations ($thousands)	154,659	131,562	2,714	0	12,039	8,345
Institutions (number)	9	9	2	0	6	1
California						
Obligations ($thousands)	5,802,921	5,416,776	54,566	1,000	203,320	127,259
Institutions (number)	90	88	17	1	68	25
Colorado						
Obligations ($thousands)	960,172	888,796	12,939	709	38,738	18,990
Institutions (number)	21	19	3	1	15	5
Connecticut						
Obligations ($thousands)	858,540	765,695	20,048	0	40,433	32,363
Institutions (number)	16	15	1	0	10	3
Delaware						
Obligations ($thousands)	254,296	236,411	1,012	0	6,959	9,913
Institutions (number)	3	2	1	0	2	3
District of Columbia						
Obligations ($thousands)	469,641	394,755	53,861	0	16,141	4,884
Institutions (number)	14	14	4	0	7	8
Florida						

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(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 ($thousands)	1,126,801	1,023,546	11,555	0	46,179	45,520
Institutions (number)	32	27	8	0	24	15
Georgia						
Obligations ($thousands)	1,235,838	1,149,906	10,282	0	42,311	33,339
Institutions (number)	27	23	3	0	21	14
Hawaii						
Obligations ($thousands)	200,470	171,432	1,965	0	18,630	8,443
Institutions (number)	4	4	2	0	3	2
Idaho						
Obligations ($thousands)	83,522	61,363	9,097	0	5,795	7,267
Institutions (number)	4	4	3	0	3	2
Illinois						
Obligations ($thousands)	1,634,531	1,475,304	16,831	1,192	78,511	62,693
Institutions (number)	40	37	7	2	31	8
Indiana						
Obligations ($thousands)	721,074	652,010	2,396	0	28,685	37,982
Institutions (number)	14	13	4	0	11	5
Iowa						
Obligations ($thousands)	371,343	321,224	294	0	19,450	30,375
Institutions (number)	19	19	1	0	9	2
Kansas						
Obligations ($thousands)	276,604	242,557	4,118	0	13,939	15,990
Institutions (number)	7	6	2	0	6	3
Kentucky						
Obligations ($thousands)	352,277	305,124	5,981	0	14,961	26,210
Institutions (number)	13	10	4	0	10	5
Louisiana						
Obligations ($thousands)	307,921	264,971	9,464	0	19,054	14,432
Institutions (number)	16	15	4	0	13	5
Maine						
Obligations ($thousands)	74,521	60,430	0	1,000	5,959	7,132

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(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)	10	8	0	1	7	3
Maryland						
Obligations ($thousands)	2,583,100	2,470,413	997	867	62,976	47,847
Institutions (number)	19	17	3	1	13	11
Massachusetts						
Obligations ($thousands)	2,180,799	2,030,684	22,003	1,406	64,631	62,075
Institutions (number)	48	41	12	2	27	15
Michigan						
Obligations ($thousands)	1,297,755	1,187,746	14,775	1,490	49,202	44,542
Institutions (number)	24	21	7	2	16	5
Minnesota						
Obligations ($thousands)	539,777	481,158	1,459	0	24,324	32,836
Institutions (number)	20	19	1	0	12	4
Mississippi						
Obligations ($thousands)	195,900	168,637	217	0	12,973	14,073
Institutions (number)	10	10	1	0	8	4
Missouri						
Obligations ($thousands)	935,014	843,984	4,867	0	35,748	50,416
Institutions (number)	18	18	4	0	14	7
Montana						
Obligations ($thousands)	184,528	158,776	268	0	14,581	10,902
Institutions (number)	15	14	2	0	10	7
Nebraska						
Obligations ($thousands)	237,723	207,585	0	0	13,027	17,111
Institutions (number)	12	10	0	0	11	6
Nevada						
Obligations ($thousands)	87,674	82,172	1,461	0	1,604	2,437
Institutions (number)	5	5	2	0	3	3
New Hampshire						
Obligations ($thousands)	224,589	210,178	16	0	12,300	2,096
Institutions (number)	7	6	1	0	6	3

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Federal obligations for science and engineering to universities and colleges and number of recipient institutions, by state, outlying area, and type of activity: FY 2021

(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
New Jersey						
Obligations ($thousands)	584,025	535,562	6,674	94	29,518	12,178
Institutions (number)	21	20	5	1	15	6
New Mexico						
Obligations ($thousands)	196,137	172,071	626	128	17,984	5,328
Institutions (number)	11	11	2	1	8	4
New York						
Obligations ($thousands)	3,966,902	3,701,188	44,382	1,427	124,838	95,067
Institutions (number)	102	95	15	2	58	26
North Carolina						
Obligations ($thousands)	1,901,280	1,750,467	18,432	0	73,948	58,434
Institutions (number)	32	29	7	0	25	10
North Dakota						
Obligations ($thousands)	105,880	92,100	692	0	5,845	7,244
Institutions (number)	7	7	1	0	7	4
Ohio						
Obligations ($thousands)	914,328	823,552	2,626	0	42,075	46,076
Institutions (number)	37	31	5	0	27	11
Oklahoma						
Obligations ($thousands)	207,925	180,410	16	0	11,171	16,328
Institutions (number)	10	10	1	0	5	5
Oregon						
Obligations ($thousands)	608,120	551,721	12,309	0	22,712	21,378
Institutions (number)	15	14	3	0	10	5
Pennsylvania						
Obligations ($thousands)	2,578,927	2,375,088	10,181	0	101,973	91,685
Institutions (number)	49	47	9	0	29	11
Rhode Island						
Obligations ($thousands)	286,811	271,976	290	0	10,569	3,977
Institutions (number)	8	8	1	0	4	3
South Carolina						

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(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 ($thousands)	341,660	309,583	0	0	14,569	17,508
Institutions (number)	19	18	0	0	11	5
South Dakota						
Obligations ($thousands)	47,147	33,993	525	0	5,049	7,580
Institutions (number)	10	9	2	0	7	4
Tennessee						
Obligations ($thousands)	776,000	692,690	9,052	0	50,071	24,188
Institutions (number)	23	22	6	0	19	7
Texas						
Obligations ($thousands)	2,631,526	2,378,815	20,592	1,763	93,957	136,399
Institutions (number)	66	65	11	2	48	27
Utah						
Obligations ($thousands)	477,049	433,155	802	0	22,389	20,703
Institutions (number)	11	11	2	0	9	2
Vermont						
Obligations ($thousands)	110,444	96,252	730	0	5,663	7,799
Institutions (number)	8	7	1	0	3	2
Virginia						
Obligations ($thousands)	720,586	631,826	6,901	0	39,591	42,269
Institutions (number)	24	22	10	0	21	8
Washington						
Obligations ($thousands)	1,008,599	916,901	2,703	0	54,016	34,979
Institutions (number)	23	20	3	0	17	6
West Virginia						
Obligations ($thousands)	115,699	98,455	1,557	0	6,110	9,577
Institutions (number)	6	5	2	0	4	2
Wisconsin						
Obligations ($thousands)	801,039	732,685	660	0	30,568	37,126
Institutions (number)	25	23	2	0	18	7
Wyoming						
Obligations ($thousands)	55,556	49,763	0	0	1,826	3,967

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Federal obligations for science and engineering to universities and colleges and number of recipient institutions, by state, outlying area, and type of activity: FY 2021

(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)	1	1	0	0	1	1
American Samoa						
Obligations ($thousands)	4,282	1,850	0	0	495	1,937
Institutions (number)	1	1	0	0	1	1
Guam						
Obligations ($thousands)	12,871	8,669	0	0	2,021	2,181
Institutions (number)	1	1	0	0	1	1
Puerto Rico						
Obligations ($thousands)	86,942	77,506	11	0	6,192	3,233
Institutions (number)	17	13	1	0	10	9
Trust Territory of the Pacific Islands						
Obligations ($thousands)	7,659	3,526	0	0	172	3,961
Institutions (number)	3	3	0	0	1	2
Virgin Islands						
Obligations ($thousands)	14,092	10,541	0	0	1,431	2,119
Institutions (number)	1	1	0	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, Survey of Federal Funds for Research and Development, FYs 2021–22, Federal Science and Engineering Support Module.