TABLE 6

Federal obligations for science and engineering research and development to universities and colleges, by state and outlying area: FYs 2014–22

(Dollars in thousands)

State and outlying area	2014	2015	2016	2017	2018	2019	2020	2021	2022
All states and outlying areas	27,652,453	27,105,723	28,532,827	29,805,220	32,312,581	35,125,136	36,569,461	39,504,025	41,303,924
Alabama	342,731	366,300	354,347	362,466	442,266	491,035	494,908	498,006	551,112
Alaska	66,026	68,093	70,453	80,761	78,244	103,532	106,888	114,149	103,857
Arizona	338,536	330,839	341,024	370,208	395,623	441,188	450,662	558,327	594,442
Arkansas	55,414	53,583	105,763	66,975	80,354	93,615	98,094	131,562	129,614
California	3,913,639	3,844,294	3,980,511	4,100,917	4,419,364	4,630,852	4,787,585	5,416,776	5,822,928
Colorado	560,698	602,424	630,338	648,782	756,505	748,312	801,632	888,796	1,137,307
Connecticut	505,357	480,767	539,370	546,742	595,893	661,564	698,793	765,695	785,534
Delaware	91,524	74,641	101,649	123,061	112,677	121,590	123,611	236,411	160,126
District of Columbia	445,538	416,510	466,535	410,862	518,704	399,415	430,891	394,755	525,083
Florida	625,298	714,134	691,838	780,180	804,750	934,428	889,274	1,023,546	1,116,811
Georgia	760,899	848,903	703,447	1,030,375	1,124,666	1,313,038	1,496,955	1,149,906	1,277,521
Hawaii	160,303	133,731	144,285	133,213	145,466	149,419	138,801	171,432	141,677
Idaho	34,037	45,479	44,875	46,921	53,977	60,219	62,688	61,363	59,753
Illinois	1,071,739	1,050,021	1,107,639	1,086,485	1,177,732	1,317,966	1,377,654	1,475,304	1,531,129
Indiana	413,505	408,595	421,104	450,000	470,535	572,760	594,790	652,010	636,450
Iowa	259,396	252,865	251,203	260,110	273,515	279,598	330,667	321,224	417,612
Kansas	148,989	157,138	160,001	187,334	198,638	233,122	209,123	242,557	253,924
Kentucky	187,712	201,022	201,384	214,257	248,158	266,502	291,942	305,124	306,670
Louisiana	164,842	155,602	179,703	179,662	195,156	228,775	249,466	264,971	298,713
Maine	28,407	29,327	30,223	28,270	43,469	58,335	49,771	60,430	70,912
Maryland	1,819,872	1,735,240	2,221,496	2,099,003	2,207,702	2,340,952	2,457,453	2,470,413	2,412,866
Massachusetts	1,569,070	1,511,296	1,586,864	1,611,440	1,736,283	1,828,292	1,792,756	2,030,684	2,079,365
Michigan	1,126,469	883,575	911,278	959,249	1,025,403	1,089,037	1,142,712	1,187,746	1,273,507
Minnesota	384,110	366,677	361,242	362,868	403,328	432,918	449,222	481,158	577,122
Mississippi	101,662	117,796	141,269	150,808	177,902	203,370	164,564	168,637	169,701
Missouri	521,066	533,964	540,566	592,123	632,660	707,864	711,624	843,984	874,560
Montana	69,579	97,985	88,198	82,327	91,331	89,931	105,316	158,776	174,384
Nebraska	124,431	130,988	151,284	160,392	180,256	190,495	192,030	207,585	224,095
Nevada	61,143	56,554	63,157	57,360	63,935	81,351	82,258	82,172	96,042
New Hampshire	152,033	137,937	155,530	154,242	143,702	161,112	158,397	210,178	180,016
New Jersey	424,049	379,760	434,342	397,409	442,326	479,649	462,886	535,562	532,366
New Mexico	190,285	172,732	153,961	163,172	150,259	148,433	176,963	172,071	202,664
New York	2,267,021	2,205,034	2,288,543	2,549,883	2,726,205	2,978,234	3,142,649	3,701,188	3,465,709
North Carolina	1,171,335	1,184,998	1,214,465	1,219,225	1,376,537	1,533,634	1,504,813	1,750,467	1,790,982
North Dakota	55,057	60,002	70,549	44,034	50,625	38,722	86,292	92,100	76,305
Ohio	694,018	724,939	760,887	773,718	840,955	908,860	911,174	823,552	979,136
Oklahoma	114,549	111,316	103,621	131,089	159,982	187,807	215,532	180,410	210,839
Oregon	373,971	361,408	350,099	377,541	402,112	463,108	522,089	551,721	517,912
Pennsylvania	1,740,941	1,635,822	1,705,796	1,951,088	2,076,521	2,282,065	2,212,251	2,375,088	2,461,686
Rhode Island	132,567	135,006	141,999	162,532	174,036	204,531	216,144	271,976	256,476
South Carolina	199,492	200,699	232,301	242,583	247,667	254,015	266,734	309,583	316,673
South Dakota	38,114	42,011	30,371	34,781	34,170	33,027	37,483	33,993	49,070
Tennessee	524,722	511,899	566,792	541,610	597,854	597,472	725,049	692,690	820,609
Texas	1,362,718	1,399,782	1,503,552	1,603,066	1,720,647	1,955,673	2,307,379	2,378,815	2,468,086
Utah	294,821	272,680	293,519	306,057	370,100	524,418	466,983	433,155	443,411
Vermont	77,023	64,612	60,270	65,152	74,423	81,051	86,599	96,252	95,652
Virginia	467,180	458,851	486,250	480,050	536,199	588,940	563,260	631,826	684,024
Washington	740,867	702,161	680,989	704,148	777,223	827,974	835,323	916,901	993,788

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Federal obligations for science and engineering research and development to universities and colleges, by state and outlying area: FYs 2014–22

(Dollars in thousands)

State and outlying area	2014	2015	2016	2017	2018	2019	2020	2021	2022
West Virginia	45,065	46,337	48,379	44,533	52,017	60,650	75,681	98,455	87,686
Wisconsin	533,143	523,892	546,488	575,811	596,414	631,566	662,236	732,685	728,566
Wyoming	27,786	30,816	29,398	27,495	34,186	33,468	50,144	49,763	44,701
American Samoa	1,064	1,160	1,256	1,351	1,452	1,134	1,197	1,850	1,918
Guam	1,751	3,939	5,615	5,695	3,356	4,044	9,290	8,669	9,712
Puerto Rico	61,698	59,201	67,159	57,862	61,709	70,978	79,455	77,506	68,603
Trust Territory of the Pacific Islands	2,048	2,238	2,431	2,619	0	2,346	2,731	3,526	3,719
U.S. Virgin Islands	7,146	8,147	7,221	5,323	7,416	2,750	8,596	10,541	10,796

Note(s):
Detail may not add to total because of rounding. For the FY 2020 survey, the Department of Defense (DOD) science and engineering support to higher education institutions and DOD R&D support to nonprofit organizations are known to be understated. However, the magnitude of the missing data is unknown. Data users should use caution when conducting any time series analysis that includes DOD obligations data for FY 2020.

Source(s):
National Center for Science and Engineering Statistics, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions; National Center for Science and Engineering Statistics, Federal Science and Engineering Support module of the Survey of Federal Funds for Research and Development.