

TABLE 16

## State government expenditures for R&amp;D funded from federal sources, by state and federal agency: FY 2019

(Dollars)

State	Total federal	DOC	DOD	DOE	DOI	DOT	ED	EPA	HHS	NSF	USDA	Other <sup>a</sup>
United States <sup>b</sup>	560,855,931	21,596,841	3,954,995	23,599,253	96,591,625	174,997,694	15,109,847	5,024,968	162,354,167	14,703,084	26,901,456	16,022,001
Alabama	8,126,730	1,027,454	30,045	195,517	2,495,836	3,194,428	0	425,000	125,000	633,450	0	0
Alaska	4,540,940	0	0	2,162	2,043,200	2,263,067	0	192,511	0	0	0	40,000
Arizona	2,973,198	0	0	0	932,097	1,201,213	0	0	0	0	839,888	0
Arkansas	5,674,217	0	0	0	801,224	644,349	0	0	0	4,228,644	0	0
California	28,877,496	130,000	0	0	21,000	16,872,875	10,800,000	453,255	337,879	0	162,487	100,000
Colorado	7,347,294	0	162,100	0	3,383,119	2,061,320	195,000	108,955	313,660	0	1,046,140	77,000
Connecticut	15,827,200	0	0	0	4,974,749	2,876,205	452,289	26,338	4,230,817	115,574	3,151,228	0
Delaware	1,572,165	225,311	0	44,546	419,510	880,608	0	0	0	2,190	0	0
District of Columbia	2,025,098	0	0	0	0	308,796	0	0	1,632,604	0	0	83,698
Florida	24,512,331	5,683,511	87,528	0	5,396,203	7,365,700	0	649,053	0	15,887	5,146,283	168,166
Georgia	16,171,100	62,821	0	9,901,639	1,276,009	4,930,631	0	0	0	0	0	0
Hawaii	3,667,466	0	2,510,732	0	119,903	647,000	0	0	0	0	389,831	0
Idaho	10,596,005	0	0	3,652,096	2,955,749	3,066,056	0	0	0	0	922,104	0
Illinois	6,900,290	0	0	0	0	6,664,217	0	0	236,073	0	0	0
Indiana	6,100,000	0	0	0	0	6,100,000	0	0	0	0	0	0
Iowa	5,215,707	0	0	0	1,950,027	3,079,469	0	0	61,000	0	0	125,211
Kansas	5,465,441	0	0	0	2,943,980	2,451,650	0	9,811	0	0	0	60,000
Kentucky	6,577,173	0	0	0	1,296,547	5,104,626	0	0	0	0	36,000	140,000
Louisiana	21,317,872	52,625	0	2,400,108	4,470,364	8,000,000	217,096	0	0	4,706,935	0	1,470,744
Maine	3,830,784	1,344,000	0	0	1,190,094	1,013,000	0	0	0	0	270,000	13,690
Maryland	2,924,655	0	0	0	534,487	1,751,766	638,402	0	0	0	0	0
Massachusetts	10,952,465	0	0	0	5,200,000	3,740,000	0	25,481	1,986,984	0	0	0
Michigan	4,579,680	0	0	0	0	4,298,100	0	25,000	0	0	256,580	0
Minnesota	6,020,868	0	0	0	1,462,164	3,748,822	0	0	210,460	0	599,422	0
Mississippi	8,869,165	707,908	0	0	1,720,732	5,185,681	0	0	0	0	97,454	1,157,390
Missouri	5,102,079	0	0	0	3,214,056	1,142,471	0	203,384	12,331	0	89,837	440,000
Montana	4,577,231	0	0	0	2,612,629	489,154	0	118,456	0	0	1,269,010	87,982
Nebraska	4,371,507	0	0	0	2,214,775	1,409,860	0	30,182	0	0	716,690	0
Nevada	2,370,078	0	0	0	0	910,521	0	0	0	0	124,774	1,334,783
New Hampshire	715,823	0	0	0	0	666,358	0	0	0	0	49,465	0
New Jersey	2,890,436	0	0	0	415,141	2,027,708	0	447,587	0	0	0	0
New Mexico	2,415,620	0	0	0	500,000	1,327,520	0	233,785	0	0	0	354,315
New York	156,961,125	359,503	36,924	0	1,001,468	3,888,529	0	826,780	146,398,155	818,374	3,229,762	401,630
North Carolina	8,477,781	480,589	0	0	362,572	7,634,620	0	0	0	0	0	0
North Dakota	2,299,808	0	0	0	1,062,194	1,237,614	0	0	0	0	0	0

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(Dollars)

State	Total federal	DOC	DOD	DOE	DOI	DOT	ED	EPA	HHS	NSF	USDA	Other <sup>a</sup>
Ohio	8,126,122	224,834	0	0	1,716,849	5,569,439	615,000	0	0	0	0	0
Oklahoma	10,192,859	68,517	0	0	2,688,962	6,105,753	0	0	694,823	0	634,804	0
Oregon	17,340,000	2,370,758	658,928	4,236,320	4,435,905	2,278,749	154,853	458,000	2,274,733	0	45,014	426,740
Pennsylvania	9,903,377	0	0	0	6,254,899	3,543,478	0	105,000	0	0	0	0
Rhode Island	2,473,315	139,767	0	0	1,753,548	580,000	0	0	0	0	0	0
South Carolina	23,400,794	6,936,554	468,738	184,760	12,009,549	1,688,098	0	41,919	1,565,175	0	158,268	347,733
South Dakota	754,880	0	0	0	0	715,027	0	0	0	39,853	0	0
Tennessee	5,112,715	0	0	90,190	205,620	2,486,131	2,037,207	293,567	0	0	0	0
Texas	21,003,405	0	0	0	0	13,586,715	0	34,363	270,000	0	1,229,300	5,883,027
Utah	2,294,696	0	0	0	0	2,294,696	0	0	0	0	0	0
Vermont	2,225,472	0	0	0	0	2,014,725	0	0	210,747	0	0	0
Virginia	12,948,118	388,593	0	2,059	2,306,452	5,839,457	0	0	282,414	82,907	765,844	3,280,392
Washington	14,915,365	1,394,096	0	2,775,776	2,911,533	3,613,000	0	135,741	1,511,312	0	2,544,407	29,500
West Virginia	7,579,295	0	0	114,080	1,317,484	2,088,461	0	0	0	4,059,270	0	0
Wisconsin	9,448,498	0	0	0	3,080,909	3,418,692	0	180,800	0	0	2,768,097	0
Wyoming	2,290,192	0	0	0	940,086	991,339	0	0	0	0	358,767	0

DOC = Department of Commerce; DOD = Department of Defense; DOE = Department of Energy; DOI = Department of the Interior; DOT = Department of Transportation; ED = Department of Education; EPA = Environmental Protection Agency; HHS = Department of Health and Human Services; NSF = National Science Foundation; USDA = Department of Agriculture.

<sup>a</sup> Other includes the Departments of Housing and Urban Development, Homeland Security, Justice, Labor, State, Treasury, and Veterans Affairs; National Aeronautics and Space Administration; and others.

<sup>b</sup> U.S. total reflects all 50 states and the District of Columbia.

**Note(s):**

State R&D totals can display considerable volatility between survey years due to several national and state-specific factors. Large changes are not unusual, especially for discretionary spending items such as R&D.

**Source(s):**

National Center for Science and Engineering Statistics, Survey of State Government Research and Development, FY 2019.