

TABLE 83. Federal obligations for research and development for selected agencies, by state and other locations and performer: FY 2010  
(Dollars in thousands)

State/location	Total R&D	Intramural <sup>a</sup>	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
All locations	138,156,479.8	29,973,985.4	59,756,872.9	3,923,188.6	30,869,759.3	3,361,547.6	7,098,998.0	2,759,757.0	412,370.9
Alabama	3,476,887.4	1,409,914.0	1,643,761.5	0.0	372,748.4	0.0	32,316.5	0.0	18,147.0
Alaska	235,562.4	88,718.9	58,945.4	0.0	79,918.5	0.0	3,798.7	0.0	4,181.0
Arizona	3,425,570.8	372,224.0	2,536,475.2	0.0	396,716.4	68,155.0	45,040.1	0.0	6,960.1
Arkansas	181,782.7	25,921.3	27,470.0	0.0	97,284.2	0.0	20,714.1	0.0	10,393.1
California	27,226,903.1	2,747,305.9	15,839,370.9	910,213.0	4,396,351.1	1,834,627.8	1,217,240.5	250,041.6	31,752.3
Colorado	4,348,332.5	282,578.0	2,854,418.0	0.0	554,955.5	37,578.8	255,698.7	352,857.6	10,245.8
Connecticut	2,193,458.5	22,606.4	1,452,951.9	0.0	684,434.0	0.0	25,391.3	0.0	8,074.9
Delaware	129,091.3	5,589.7	29,368.2	0.0	85,278.6	0.0	8,854.8	0.0	0.0
District of Columbia	3,890,121.4	2,551,106.0	790,531.9	0.0	200,478.0	0.0	305,304.5	3,990.9	38,710.1
Florida	3,142,237.2	708,819.4	1,499,336.9	0.0	803,280.7	0.0	121,219.9	0.0	9,580.2
Georgia	1,519,953.6	154,326.8	582,157.7	0.0	750,846.5	0.0	25,416.4	0.0	7,206.2
Hawaii	389,446.7	96,788.4	77,283.7	0.0	196,387.0	0.0	16,412.7	0.0	2,574.9
Idaho	478,994.6	50,364.1	117,481.5	237,465.4	69,033.9	0.0	3,509.6	0.0	1,140.2
Illinois	2,631,274.2	204,338.2	288,540.2	0.0	1,203,646.8	813,375.4	116,846.1	0.0	4,527.4
Indiana	988,687.7	165,351.7	343,259.1	0.0	476,034.8	0.0	1,981.0	0.0	2,061.2
Iowa	909,096.3	63,985.1	471,567.2	0.0	331,929.3	24,318.3	13,690.7	0.0	3,605.6
Kansas	347,528.5	21,052.3	119,869.0	0.0	198,444.8	0.0	6,402.1	0.0	1,760.2
Kentucky	287,437.3	23,720.2	30,205.3	0.0	219,249.5	0.0	9,604.8	0.0	4,657.6
Louisiana	330,803.4	53,157.2	30,009.6	0.0	228,142.1	0.0	4,977.9	0.0	14,516.6
Maine	163,103.2	18,075.8	29,885.9	0.0	32,372.8	0.0	80,955.3	0.0	1,813.3
Maryland	15,879,006.4	9,896,297.2	3,350,809.1	626,612.2	1,677,548.2	0.0	315,397.9	40.0	12,301.9
Massachusetts	8,747,479.4	834,547.7	3,782,236.4	0.0	1,823,459.3	320,706.4	1,800,626.1	180,201.6	5,702.0
Michigan	2,509,681.3	480,220.9	945,456.8	0.0	1,034,654.7	0.0	46,118.0	0.0	3,230.9
Minnesota	1,062,555.8	61,116.2	285,036.2	0.0	457,383.3	0.0	253,740.8	0.0	5,279.3
Mississippi	421,612.7	164,412.8	99,066.0	0.0	155,250.4	0.0	922.8	0.0	1,960.6
Missouri	1,151,046.2	26,397.0	445,916.8	0.0	639,262.6	0.0	33,266.0	0.0	6,203.9
Montana	139,222.1	29,216.9	23,275.2	0.0	76,193.1	0.0	8,272.9	0.0	2,263.9
Nebraska	239,814.4	34,055.6	33,860.2	0.0	163,289.2	0.0	6,476.7	0.0	2,132.7
Nevada	379,814.1	50,262.2	269,592.4	0.0	53,497.4	0.0	5,869.5	0.0	592.6
New Hampshire	350,470.6	26,089.4	172,290.7	0.0	147,737.8	0.0	3,845.6	0.0	507.2
New Jersey	2,852,961.6	765,579.9	1,484,988.6	0.0	501,849.6	67,811.0	25,718.4	0.0	7,014.2
New Mexico	3,337,955.4	550,122.5	423,065.6	2,109,434.8	206,082.9	0.0	42,935.2	0.0	6,314.5
New York	5,602,221.5	259,983.0	1,908,764.0	0.0	2,519,906.2	0.0	440,156.7	375,640.3	97,771.3
North Carolina	2,151,161.4	403,732.3	270,102.6	0.0	1,344,655.5	0.0	128,037.8	0.0	4,633.2
North Dakota	119,582.3	26,688.4	18,769.6	0.0	72,637.4	0.0	1,448.3	0.0	38.6
Ohio	4,098,787.4	898,075.0	2,075,588.5	0.0	880,484.7	0.0	241,498.9	0.0	3,140.4
Oklahoma	429,597.2	111,560.9	154,461.7	0.0	122,825.6	0.0	38,999.3	0.0	1,749.6
Oregon	675,292.2	109,585.8	94,894.1	0.0	417,737.7	0.0	48,077.1	0.0	4,997.4
Pennsylvania	4,963,404.2	291,626.4	2,384,937.8	0.0	1,937,941.7	33,930.6	308,291.4	0.0	6,676.2
Puerto Rico	94,794.8	5,948.5	590.0	0.0	86,953.9	386.4	314.5	0.0	601.5
Rhode Island	669,845.6	383,960.0	35,782.2	0.0	154,153.1	0.0	95,259.0	0.0	691.2
South Carolina	662,205.7	220,089.1	109,390.2	39,463.3	228,269.3	0.0	60,705.5	0.0	4,288.4
South Dakota	74,962.3	10,459.5	11,958.4	0.0	42,603.1	0.0	8,492.8	0.0	1,448.5
Tennessee	2,104,843.0	138,331.9	362,576.9	0.0	588,497.0	0.0	95,842.2	915,098.0	4,497.0
Texas	6,896,125.3	487,966.2	4,555,041.3	0.0	1,636,010.0	0.0	199,925.9	191.6	16,990.3
Utah	1,708,887.0	566,945.9	832,619.9	0.0	303,851.2	0.0	1,913.2	0.0	3,556.9
Vermont	142,251.3	5,960.7	45,207.4	0.0	89,764.4	0.0	257.2	0.0	1,061.5
Virginia	9,111,678.3	3,405,578.3	4,549,616.7	0.0	551,209.6	160,647.7	138,100.2	300,552.4	5,973.4
Washington	3,915,467.3	264,291.3	2,003,389.3	0.0	858,131.2	0.0	401,418.4	381,143.0	7,094.1
West Virginia	312,779.0	136,772.3	101,628.2	0.0	55,800.4	10.3	12,014.6	0.0	6,553.2

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(Dollars in thousands)

State/location	Total R&D	Intramural <sup>a</sup>	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Wisconsin	795,572.8	65,323.1	82,136.5	0.0	626,180.6	0.0	17,704.4	0.0	4,228.2
Wyoming	36,719.8	8,131.4	9,395.6	0.0	16,488.0	0.0	1,903.0	0.0	801.9
Offices abroad <sup>b</sup>	54,024.1	42,247.3	11,118.4	0.0	621.3	0.0	37.0	0.0	0.0
Other areas <sup>c</sup>	168,384.4	146,466.4	420.6	0.0	21,295.8	0.0	35.0	0.0	166.7

FFRDC = federally funded research and development center.

<sup>a</sup> Includes costs associated with administration of intramural and extramural programs by federal personnel and actual intramural performance.

<sup>b</sup> Includes R&D performed or administered in foreign countries by U.S. government.

<sup>c</sup> Includes America Samoa, Baker Island, Federated States of Micronesia, Guam, Howland Island, Jarvis Island, Johnston Atoll, Kingman Reef, Marshall Islands, Midway Islands, Navassa Island, Northern Mariana Islands, Palau, Palmyra Atoll, Virgin Islands of the United States, and Wake Island.

NOTES: Because of rounding, detail may not add to total. Eleven agencies are required to report data for this section of survey: Departments of Agriculture, Commerce, Defense (DOD), Energy, Health and Human Services, Homeland Security, the Interior, and Transportation; Environmental Protection Agency; National Aeronautics and Space Administration; and National Science Foundation. Obligations of these 11 agencies represented over 98% of total federal R&D and R&D plant obligations in FY 2010. Geographic distribution of DOD development funding to industry reflects location of prime contractors and not the numerous subcontractors who perform much of the R&D. Environmental Protection Agency (EPA) was unable to report R&D by performer for FYs 2010–12 or by location for FY 2010. Percentage distributions calculated from EPA's data submission for FYs 2009–11 were used to estimate its FYs 2010–12 R&D by performer and its FY 2010 R&D by location.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development: FYs 2010–12.