

TABLE 85. Federal obligations for research and development, by state and other locations and selected agency: FY 2010

(Dollars in thousands)

State/location	Total R&D	DHS	DOC	DOD	DOE	DOI	DOT	EPA ^a	HHS	NASA	NSF	USDA
All locations	138,156,479.8	673,940.3	1,271,354.6	73,248,993.5	10,682,434.9	713,406.7	907,579.1	571,072.8	35,623,251.0	7,113,265.8	4,990,237.1	2,360,944.0
Alabama	3,476,887.4	358.6	374.4	2,583,505.6	43,980.5	11,146.1	6,330.4	161.5	319,019.3	459,352.6	23,470.9	29,187.4
Alaska	235,562.4	0.0	11,082.6	104,854.1	4,460.3	55,837.3	884.2	981.6	14,479.9	2,879.7	22,188.6	17,913.9
Arizona	3,425,570.8	30,978.0	5,177.6	2,830,905.2	31,282.5	33,438.7	8,272.6	811.4	208,824.1	91,509.5	158,090.5	26,280.7
Arkansas	181,782.7	645.5	28.0	27,957.1	5,037.5	3,566.2	912.4	0.0	83,310.8	625.3	17,952.4	41,747.6
California	27,226,903.1	85,689.9	38,351.8	17,748,170.1	2,078,795.6	96,544.6	32,877.3	14,346.2	4,337,104.1	1,890,961.8	770,725.0	133,336.6
Colorado	4,348,332.5	17,894.8	182,835.8	1,453,315.0	410,691.4	26,888.1	21,200.2	377.9	432,391.0	1,455,553.4	300,161.3	47,023.6
Connecticut	2,193,458.5	14,806.7	1,963.7	1,482,471.1	33,739.9	1,104.6	1,164.2	72.5	577,775.3	18,051.7	50,960.0	11,348.8
Delaware	129,091.3	0.0	2,571.8	32,268.0	18,077.0	2,379.9	2,975.5	175.1	34,093.3	4,560.2	26,204.3	5,786.2
District of Columbia	3,890,121.4	40,071.5	32,994.0	1,877,244.2	809,617.5	2,998.7	220,895.4	64,623.5	312,166.0	30,376.1	160,406.3	338,728.3
Florida	3,142,237.2	4,098.5	40,392.5	2,080,649.1	40,848.0	30,808.1	24,958.5	15,454.8	568,876.0	113,980.3	150,175.9	71,995.6
Georgia	1,519,953.6	9,527.7	3,210.4	594,931.6	46,487.2	8,397.4	11,219.1	10,903.0	643,616.3	12,010.1	104,932.2	74,718.7
Hawaii	389,446.7	3,200.0	17,743.6	185,423.7	5,766.6	19,665.9	757.9	0.0	72,105.9	13,215.7	48,606.9	22,960.5
Idaho	478,994.6	1,642.3	850.9	63,730.8	336,239.0	23,182.6	704.5	0.0	11,625.1	1,180.9	12,000.4	27,838.0
Illinois	2,631,274.2	1,038.2	5,422.7	416,749.1	916,679.0	18,581.6	30,626.9	8,009.4	937,039.0	43,901.6	187,994.0	65,232.9
Indiana	988,687.7	9,146.4	3,233.8	483,330.5	39,994.1	1,624.6	26,512.2	226.7	264,633.5	6,363.5	128,672.7	24,949.7
Iowa	909,096.3	541.6	467.2	480,307.7	42,967.2	2,849.2	12,356.4	1,033.1	251,171.3	3,203.6	41,492.3	72,706.8
Kansas	347,528.5	2,000.2	160.8	127,906.4	10,659.4	4,472.4	3,866.0	1,831.6	125,921.9	4,443.1	37,243.0	29,023.8
Kentucky	287,437.3	10,133.3	1,730.7	40,748.4	6,792.6	848.7	5,141.3	570.1	182,797.5	1,300.9	18,037.4	19,336.5
Louisiana	330,803.4	66.2	1,264.2	43,762.2	11,639.0	11,239.2	9,093.2	15.5	163,344.2	4,479.7	31,393.4	54,506.7
Maine	163,103.2	213.2	1,554.8	43,191.7	409.3	2,667.2	1,125.5	341.2	81,458.7	2,095.8	19,450.5	10,595.5
Maryland	15,879,006.4	85,805.4	627,122.4	5,834,152.6	48,100.8	8,065.1	31,342.8	17,070.6	8,021,417.5	934,173.8	103,623.3	168,132.2
Massachusetts	8,747,479.4	45,494.9	35,938.4	4,822,695.6	179,168.4	23,691.7	74,457.9	10,723.5	3,084,141.0	110,293.3	336,173.6	24,701.2
Michigan	2,509,681.3	706.1	19,702.2	1,258,685.6	57,801.6	15,377.8	15,094.6	4,477.5	941,538.8	18,071.0	148,919.7	29,306.6
Minnesota	1,062,555.8	5,570.2	3,635.7	295,071.2	9,406.0	11,883.9	2,137.3	21,045.2	582,823.7	9,449.8	75,336.1	46,196.7
Mississippi	421,612.7	12,411.2	14,830.8	210,837.3	3,152.8	9,673.3	1,297.6	414.1	41,582.8	17,005.8	17,311.5	93,095.5
Missouri	1,151,046.2	1,962.5	4,893.5	439,109.4	26,575.9	5,947.0	4,899.5	526.3	587,144.7	12,743.3	33,704.0	33,540.0
Montana	139,222.1	124.5	163.7	28,359.9	7,689.8	14,397.9	763.9	271.2	41,280.1	5,565.2	16,038.2	24,567.7
Nebraska	239,814.4	0.0	208.7	55,253.3	3,564.7	6,132.8	6,070.1	644.3	107,092.4	645.5	26,259.3	33,943.2
Nevada	379,814.1	6,370.3	83.1	211,368.5	84,084.4	6,962.3	1,219.8	19,931.2	21,623.8	7,435.6	14,121.1	6,614.1
New Hampshire	350,470.6	25.0	4,831.1	178,256.5	1,544.8	1,687.3	376.8	0.0	111,146.9	15,051.9	27,069.3	10,481.0
New Jersey	2,852,961.6	12,412.3	31,330.7	2,193,759.9	106,333.6	2,243.9	36,520.6	3,858.5	326,590.5	13,654.3	116,792.7	9,464.6
New Mexico	3,337,955.4	23,189.7	2,490.4	1,136,522.1	1,922,131.5	23,154.5	4,684.2	590.1	144,032.9	29,959.3	37,915.2	13,285.5
New York	5,602,221.5	21,726.0	16,197.2	1,687,792.3	863,921.5	5,961.7	13,765.4	5,528.3	2,537,551.3	46,489.7	355,140.7	48,147.5
North Carolina	2,151,161.4	6,486.6	22,640.3	181,973.2	41,679.0	26,835.4	16,210.8	175,990.0	1,500,376.2	6,491.8	128,631.9	43,846.3
North Dakota	119,582.3	0.0	2,768.3	32,652.8	18,378.4	1,245.3	245.1	0.0	17,736.4	506.4	9,041.0	37,008.5
Ohio	4,098,787.4	32,311.2	7,288.3	2,701,354.2	63,078.9	1,692.0	23,768.3	102,786.8	867,717.4	172,878.6	94,256.5	31,655.2
Oklahoma	429,597.2	2,763.8	13,048.3	201,441.2	17,243.5	5,303.8	20,856.0	11,599.5	104,287.1	1,285.1	26,100.1	25,668.8
Oregon	675,292.2	0.0	8,788.3	70,675.9	39,757.2	33,639.2	1,817.2	22,507.0	363,441.7	7,846.4	61,592.8	65,226.5
Pennsylvania	4,963,404.2	559.3	7,085.0	2,320,439.4	556,685.6	7,478.1	17,446.5	2,605.2	1,749,651.5	22,965.0	213,920.8	64,567.8
Puerto Rico	94,794.8	386.4	1,782.7	614.9	942.5	446.4	0.0	0.0	64,860.9	0.0	14,903.1	10,857.8

TABLE 85. Federal obligations for research and development, by state and other locations and selected agency: FY 2010

(Dollars in thousands)

State/location	Total R&D	DHS	DOC	DOD	DOE	DOI	DOT	EPA ^a	HHS	NASA	NSF	USDA
Rhode Island	669,845.6	1,459.6	452.8	405,452.7	6,696.5	2,174.2	388.2	18,242.5	186,215.0	3,255.1	41,573.3	3,935.8
South Carolina	662,205.7	30,047.6	10,880.4	308,300.0	49,486.5	6,778.2	987.8	828.2	174,581.7	1,580.7	53,426.7	25,307.8
South Dakota	74,962.3	0.0	21.8	21,110.5	2,462.6	4,525.6	2,404.0	0.0	19,091.6	1,779.4	11,558.3	12,008.4
Tennessee	2,104,843.0	25,330.5	3,942.8	182,860.1	918,527.2	16,345.1	20,396.1	512.4	568,731.5	296,797.0	39,241.1	32,159.2
Texas	6,896,125.3	28,752.0	4,617.6	4,774,490.0	81,503.6	14,474.0	16,931.0	4,573.2	1,312,549.4	383,347.4	163,890.5	110,996.7
Utah	1,708,887.0	1,372.2	1,695.2	981,187.3	22,547.3	18,940.3	2,075.9	817.4	213,018.6	401,102.3	33,051.9	33,078.9
Vermont	142,251.3	0.0	235.1	45,451.0	1,290.8	1,967.7	865.3	124.6	73,552.9	264.3	6,227.0	12,272.5
Virginia	9,111,678.3	72,666.4	16,071.2	7,595,786.5	140,341.9	14,467.9	143,266.2	20,291.9	444,636.2	395,421.6	245,662.3	23,066.3
Washington	3,915,467.3	22,560.3	51,566.8	2,140,484.7	327,477.9	27,144.9	14,312.8	3,626.9	1,141,300.1	19,935.5	110,686.9	56,370.5
West Virginia	312,779.0	773.5	85.3	91,137.5	115,072.7	6,886.7	1,464.5	291.5	46,634.4	1,982.3	11,021.4	37,429.4
Wisconsin	795,572.8	311.2	4,780.3	58,691.3	65,624.2	21,210.1	9,070.5	1,260.0	468,193.1	14,305.2	94,650.6	57,476.3
Wyoming	36,719.8	0.0	22.9	9,088.3	5,999.4	6,654.2	568.8	0.0	7,888.7	725.9	324.0	5,447.5
Offices abroad ^b	54,024.1	309.5	0.0	45,829.5	0.0	0.0	0.0	0.0	7,855.0	0.0	0.0	30.0
Other areas ^c	168,384.4	0.0	742.0	26,686.9	0.0	1,777.1	0.0	0.0	121,211.9	212.1	11,914.0	5,840.5

DHS = Department of Homeland Security; DOC = Department of Commerce; DOD = Department of Defense; DOE = Department of Energy; DOI = Department of the Interior; DOT = Department of Transportation; EPA = Environmental Protection Agency; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; NSF = National Science Foundation; USDA = U.S. Department of Agriculture.

^a 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.

^b Includes R&D performed or administered in foreign countries by U.S. government.

^c 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: DHS, DOC, DOD, DOE, DOI, DOT, EPA, HHS, NASA, NSF, and USDA. Obligations of these 11 agencies represented over 98% of total federal R&D 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.

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