

TABLE 122. Federal obligations for research and development for selected agencies, by state and other locations: FYs 2002–10
(Dollars in millions)

State/location	2002	2003	2004	2005	2006	2007	2008	2009	2010
All locations	91,816.0	101,366.4	109,732.9	116,585.5	119,302.2	124,900.3	125,091.8	131,231.9	138,156.5
Alabama	2,734.8	3,211.8	3,035.5	3,108.2	2,198.2	2,247.6	2,782.2	2,967.0	3,476.9
Alaska	299.9	399.4	461.3	495.1	212.1	264.0	222.2	244.5	235.6
Arizona	2,279.2	2,385.4	2,643.7	2,958.8	2,459.6	2,422.4	2,449.2	2,899.3	3,425.6
Arkansas	141.3	145.4	146.7	165.0	161.8	177.7	145.3	170.2	181.8
California	19,198.5	20,169.6	19,259.4	19,964.3	26,897.6	26,987.2	19,938.7	24,253.3	27,226.9
Colorado	1,728.4	1,735.0	2,068.0	2,264.9	2,188.7	2,797.5	2,668.1	3,703.0	4,348.3
Connecticut	2,816.7	2,068.0	2,122.5	2,399.6	1,946.6	2,116.8	1,815.4	2,212.1	2,193.5
Delaware	80.6	95.4	89.7	94.2	112.7	130.6	144.3	211.1	129.1
District of Columbia	3,145.6	2,985.5	3,329.4	4,161.8	4,193.2	4,277.7	17,537.2	4,201.8	3,890.1
Florida	2,542.0	2,854.1	3,265.0	2,590.0	3,346.5	4,078.2	2,290.4	3,229.8	3,142.2
Georgia	2,229.0	2,133.0	1,906.5	2,181.8	1,750.8	1,686.2	1,386.0	1,704.7	1,520.0
Hawaii	428.3	413.9	488.2	600.3	380.3	379.2	347.8	378.7	389.4
Idaho	235.5	217.8	288.5	290.3	300.0	287.5	355.4	383.9	479.0
Illinois	1,728.6	1,934.7	1,880.1	2,127.8	2,003.5	2,145.1	2,168.5	2,705.1	2,631.3
Indiana	537.6	573.7	556.7	566.8	583.2	596.6	672.0	1,052.2	988.7
Iowa	463.4	499.5	538.3	487.7	548.7	662.4	634.9	649.1	909.1
Kansas	290.5	268.7	287.4	357.8	294.5	317.8	300.4	400.4	347.5
Kentucky	321.5	246.7	251.8	296.3	240.0	222.2	252.5	318.4	287.4
Louisiana	432.7	453.4	446.7	443.7	322.6	419.4	406.1	397.3	330.8
Maine	255.6	166.7	210.3	292.1	229.2	378.8	168.0	183.4	163.1
Maryland	7,420.0	8,027.3	12,608.6	12,500.8	12,746.6	11,905.8	13,312.7	15,767.8	15,879.0
Massachusetts	4,920.7	5,491.7	5,963.6	6,591.9	6,875.8	7,528.9	6,883.1	8,259.5	8,747.5
Michigan	1,254.1	1,693.1	1,117.8	1,177.0	1,700.3	1,726.1	1,866.5	2,399.3	2,509.7
Minnesota	1,152.8	866.2	831.3	768.3	1,241.6	1,386.8	1,393.0	1,542.9	1,062.6
Mississippi	627.7	1,181.0	1,598.7	438.2	554.9	433.9	435.2	368.3	421.6
Missouri	1,241.1	1,349.5	3,058.8	4,201.7	1,315.6	1,220.6	1,111.3	1,211.8	1,151.0
Montana	113.7	131.2	188.8	182.1	151.3	653.6	159.5	169.4	139.2
Nebraska	153.8	168.0	210.5	193.1	178.1	230.1	204.6	218.9	239.8
Nevada	342.5	418.9	555.0	593.3	436.2	321.1	312.6	492.1	379.8
New Hampshire	312.3	511.9	422.1	513.8	400.4	339.9	294.3	419.2	350.5
New Jersey	2,109.1	2,087.6	2,273.7	2,524.8	2,172.7	2,192.0	2,192.7	2,454.0	2,853.0
New Mexico	2,877.0	3,090.1	3,363.2	3,593.4	3,315.0	3,478.0	3,502.9	3,566.2	3,338.0
New York	3,820.6	4,382.5	4,505.3	5,320.1	5,368.2	5,367.6	4,651.2	6,118.8	5,602.2
North Carolina	1,393.0	1,617.3	1,683.6	1,806.1	1,771.4	1,828.4	1,772.6	2,013.3	2,151.2
North Dakota	104.7	107.3	108.6	117.9	117.9	115.8	98.3	101.0	119.6
Ohio	2,380.4	2,967.1	2,794.2	2,961.5	2,723.9	3,660.9	2,580.4	3,824.6	4,098.8
Oklahoma	276.1	570.2	498.5	400.7	271.1	253.2	260.8	350.6	429.6
Oregon	504.0	514.2	504.8	650.1	510.1	506.4	581.1	631.5	675.3
Pennsylvania	3,245.0	3,989.3	3,731.1	3,677.4	3,299.7	3,359.9	3,279.4	4,114.3	4,963.4
Puerto Rico	135.3	112.2	100.9	101.4	98.8	85.9	84.9	96.1	94.8
Rhode Island	501.5	565.6	642.1	888.8	622.5	627.8	643.7	678.4	669.8
South Carolina	371.0	454.0	384.3	492.7	373.8	421.7	453.0	650.4	662.2
South Dakota	58.7	54.8	70.0	70.0	75.9	61.9	76.4	79.3	75.0
Tennessee	1,157.2	1,130.6	1,382.0	1,426.0	1,489.1	1,907.9	1,689.9	2,021.1	2,104.8
Texas	3,553.9	5,414.4	5,506.7	5,187.0	5,914.7	6,692.8	5,029.6	5,757.1	6,896.1
Utah	457.9	803.4	1,183.7	1,058.2	845.8	991.3	699.9	976.0	1,708.9
Vermont	136.4	201.1	417.1	262.6	105.5	108.4	121.0	151.4	142.3
Virginia	6,175.9	6,709.2	7,298.3	8,746.5	8,994.3	9,088.2	9,282.2	9,080.2	9,111.7
Washington	2,023.3	2,442.2	2,311.3	2,641.2	4,087.1	4,751.1	4,339.5	4,042.3	3,915.5
West Virginia	254.2	383.4	315.7	807.5	301.4	219.1	224.6	260.9	312.8

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(Dollars in millions)

State/location	2002	2003	2004	2005	2006	2007	2008	2009	2010
Wisconsin	595.5	658.4	645.9	651.8	635.7	671.4	660.9	882.6	795.6
Wyoming	39.6	43.0	47.6	37.5	36.2	36.6	47.4	64.2	36.7
Offices abroad ^a	64.4	60.9	99.4	96.5	138.0	39.9	86.8	62.1	54.0
Other areas ^b	152.9	211.1	34.1	59.2	62.4	92.5	75.4	141.1	168.4

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

^b 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 (NASA); and National Science Foundation. Data for each year are obligations of these 11 agencies. These obligations represented over 98% or more of total federal R&D obligations in FY 2010. Although nongeographic historical tables incorporate corrections to previously reported data that have been submitted by reporting agencies, corresponding corrections to geographic distributions are rarely obtainable. Geographic distribution of DOD development funding to industry reflects location of prime contractors and not numerous subcontractors who perform most R&D.

From FY 2000 through FY 2007, Department of the Air Force (AF) did not report Budget Activity (BA) 6.7 Operational Systems Development data because agency misunderstood reporting requirements. During volume 57 (FYs 2007–09) data collection cycle, AF edited prior-year data from FY 2000 to FY 2007 to include BA 6.7 Operational Systems Development data. In FY 2003 Substance Abuse and Mental Health Services Administration reclassified some of its funding categories as non-R&D that were considered R&D in prior years. In FY 2006 NASA reclassified as operational costs funding for Space Operations, Hubble Space Telescope, Stratospheric Observatory for Infrared Astronomy, and James Webb Space Telescope previously reported as R&D plant. Between FY 2006 and FY 2007, NASA's R&D obligations decreased for two reasons: (1) in FY 2007 NASA excluded projects that were operational in nature that were not excluded in FY 2006, which accounts for \$850 million of decrease; and (2) there was overall decrease in obligations between FY 2006 and FY 2007, which accounts for remainder of decrease. In FY 2010 NASA resumed reporting International Space Station obligations as R&D plant.

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