

TABLE 122. Federal obligations for research and development for selected agencies, by state and other locations: FY 2001–09

(Dollars in millions)

State/location	2001	2002	2003	2004	2005	2006	2007	2008	2009
All locations	82,618.0	91,816.0	101,366.4	109,732.9	116,585.5	119,302.2	124,900.3	125,091.8	131,234.1
Alabama	2,456.8	2,734.8	3,211.8	3,035.5	3,108.2	2,198.2	2,247.6	2,782.2	2,967.0
Alaska	254.4	299.9	399.4	461.3	495.1	212.1	264.0	222.2	244.5
Arizona	1,881.0	2,279.2	2,385.4	2,643.7	2,958.8	2,459.6	2,422.4	2,449.2	2,899.3
Arkansas	183.9	141.3	145.4	146.7	165.0	161.8	177.7	145.3	170.2
California	13,001.7	19,198.5	20,169.6	19,259.4	19,964.3	26,897.6	26,987.2	19,938.7	24,253.3
Colorado	1,450.6	1,728.4	1,735.0	2,068.0	2,264.9	2,188.7	2,797.5	2,668.1	3,703.0
Connecticut	1,377.4	2,816.7	2,068.0	2,122.5	2,399.6	1,946.6	2,116.8	1,815.4	2,212.1
Delaware	83.5	80.6	95.4	89.7	94.2	112.7	130.6	144.3	211.1
District of Columbia	2,776.0	3,145.6	2,985.5	3,329.4	4,161.8	4,193.2	4,277.7	17,537.2	4,201.8
Florida	2,774.0	2,542.0	2,854.1	3,265.0	2,590.0	3,346.5	4,078.2	2,290.4	3,229.8
Georgia	3,438.3	2,229.0	2,133.0	1,906.5	2,181.8	1,750.8	1,686.2	1,386.0	1,705.7
Hawaii	435.7	428.3	413.9	488.2	600.3	380.3	379.2	347.8	378.7
Idaho	209.3	235.5	217.8	288.5	290.3	300.0	287.5	355.4	383.9
Illinois	1,825.1	1,728.6	1,934.7	1,880.1	2,127.8	2,003.5	2,145.1	2,168.5	2,705.2
Indiana	568.8	537.6	573.7	556.7	566.8	583.2	596.6	672.0	1,052.2
Iowa	361.5	463.4	499.5	538.3	487.7	548.7	662.4	634.9	649.1
Kansas	306.7	290.5	268.7	287.4	357.8	294.5	317.8	300.4	400.4
Kentucky	370.4	321.5	246.7	251.8	296.3	240.0	222.2	252.5	318.4
Louisiana	275.8	432.7	453.4	446.7	443.7	322.6	419.4	406.1	397.3
Maine	450.7	255.6	166.7	210.3	292.1	229.2	378.8	168.0	183.4
Maryland	9,473.7	7,420.0	8,027.3	12,608.6	12,500.8	12,746.6	11,905.8	13,312.7	15,767.8
Massachusetts	4,499.8	4,920.7	5,491.7	5,963.6	6,591.9	6,875.8	7,528.9	6,883.1	8,259.5
Michigan	1,196.4	1,254.1	1,693.1	1,117.8	1,177.0	1,700.3	1,726.1	1,866.5	2,399.3
Minnesota	900.9	1,152.8	866.2	831.3	768.3	1,241.6	1,386.8	1,393.0	1,542.9
Mississippi	415.7	627.7	1,181.0	1,598.7	438.2	554.9	433.9	435.2	368.3
Missouri	927.0	1,241.1	1,349.5	3,058.8	4,201.7	1,315.6	1,220.6	1,111.3	1,211.8
Montana	136.8	113.7	131.2	188.8	182.1	151.3	653.6	159.5	169.4
Nebraska	145.2	153.8	168.0	210.5	193.1	178.1	230.1	204.6	218.9
Nevada	360.2	342.5	418.9	555.0	593.3	436.2	321.1	312.6	492.1
New Hampshire	474.4	312.3	511.9	422.1	513.8	400.4	339.9	294.3	419.2
New Jersey	1,674.0	2,109.1	2,087.6	2,273.7	2,524.8	2,172.7	2,192.0	2,192.7	2,454.0
New Mexico	2,890.6	2,877.0	3,090.1	3,363.2	3,593.4	3,315.0	3,478.0	3,502.9	3,566.2
New York	3,528.3	3,820.6	4,382.5	4,505.3	5,320.1	5,368.2	5,367.6	4,651.2	6,118.8
North Carolina	1,400.9	1,393.0	1,617.3	1,683.6	1,806.1	1,771.4	1,828.4	1,772.6	2,013.3
North Dakota	77.9	104.7	107.3	108.6	117.9	117.9	115.8	98.3	101.0
Ohio	3,051.1	2,380.4	2,967.1	2,794.2	2,961.5	2,723.9	3,660.9	2,580.4	3,824.6
Oklahoma	324.0	276.1	570.2	498.5	400.7	271.1	253.2	260.8	350.6
Oregon	522.6	504.0	514.2	504.8	650.1	510.1	506.4	581.1	631.5
Pennsylvania	2,772.1	3,245.0	3,989.3	3,731.1	3,677.4	3,299.7	3,359.9	3,279.4	4,114.3
Rhode Island	437.5	501.5	565.6	642.1	888.8	622.5	627.8	643.7	678.4

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(Dollars in millions)

State/location	2001	2002	2003	2004	2005	2006	2007	2008	2009
South Carolina	314.3	371.0	454.0	384.3	492.7	373.8	421.7	453.0	650.4
South Dakota	54.9	58.7	54.8	70.0	70.0	75.9	61.9	76.4	79.3
Tennessee	1,039.5	1,157.2	1,130.6	1,382.0	1,426.0	1,489.1	1,907.9	1,689.9	2,021.1
Texas	3,189.4	3,553.9	5,414.4	5,506.7	5,187.0	5,914.7	6,692.8	5,029.6	5,757.1
Utah	421.6	457.9	803.4	1,183.7	1,058.2	845.8	991.3	699.9	976.0
Vermont	112.7	136.4	201.1	417.1	262.6	105.5	108.4	121.0	151.4
Virginia	4,995.7	6,175.9	6,709.2	7,298.3	8,746.5	8,994.3	9,088.2	9,282.2	9,080.2
Washington	1,725.3	2,023.3	2,442.2	2,311.3	2,641.2	4,087.1	4,751.1	4,339.5	4,042.3
West Virginia	376.1	254.2	383.4	315.7	807.5	301.4	219.1	224.6	260.9
Wisconsin	487.9	595.5	658.4	645.9	651.8	635.7	671.4	660.9	882.6
Wyoming	37.0	39.6	43.0	47.6	37.5	36.2	36.6	47.4	64.2
Outlying areas	142.6	288.2	323.3	135.0	160.6	161.2	178.4	160.0	237.2
Puerto Rico	90.8	135.3	112.2	100.9	101.4	98.8	85.9	84.9	96.1
Other areas ^a	51.8	152.9	211.1	34.1	59.2	62.4	92.5	75.4	141.1
Offices abroad ^b	30.3	64.4	60.9	99.4	96.5	138.0	39.9	86.8	63.2

^a 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.

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

NOTES: Because of rounding, detail may not add to total. Only 11 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 99% or more of total federal R&D obligations in FY 2009. 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 the numerous subcontractors who perform much of the R&D.

From FY 2000 through FY 2007, Department of the Air Force (AF) did not report BA 6.7 Operational Systems Development data because the agency misunderstood reporting requirements. During volume 57 (FY 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 the decrease; and (2) there was an overall decrease in obligations between FY 2006 and FY 2007, which accounts for the remainder of the decrease.

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