

TABLE 125. Federal obligations for research and development for selected agencies, by state and other locations: FY 2000–08
(Dollars in millions)

State/location	2000	2001	2002	2003	2004	2005	2006	2007	2008
All locations	74,301.3 r	82,618.0 r	91,816.0 r	101,366.4 r	109,732.9 r	116,585.5 r	119,302.2 r	124,900.3 r	125,091.8
Alabama	1,670.1 r	2,456.8 r	2,734.8 r	3,211.8 r	3,035.5 r	3,108.2 r	2,198.2 r	2,247.6 r	2,782.2
Alaska	155.2 r	254.4 r	299.9 r	399.4 r	461.3 r	495.1 r	212.1 r	264.0 r	222.2
Arizona	1,151.9 r	1,881.0 r	2,279.2 r	2,385.4 r	2,643.7 r	2,958.8 r	2,459.6 r	2,422.4 r	2,449.2
Arkansas	116.3	183.9	141.3	145.4 r	146.7 r	165.0 r	161.8 r	177.7 r	145.3
California	14,819.4 r	13,001.7 r	19,198.5 r	20,169.6 r	19,259.4 r	19,964.3 r	26,897.6 r	26,987.2 r	19,938.7
Colorado	1,398.9 r	1,450.6 r	1,728.4 r	1,735.0 r	2,068.0 r	2,264.9 r	2,188.7 r	2,797.5 r	2,668.1
Connecticut	806.2	1,377.4	2,816.7 r	2,068.0	2,122.5 r	2,399.6 r	1,946.6 r	2,116.8 r	1,815.4
Delaware	69.9	83.5 r	80.6 r	95.4 r	89.7 r	94.2	112.7 r	130.6 r	144.3
District of Columbia	2,443.1 r	2,776.0 r	3,145.6 r	2,985.5 r	3,329.4 r	4,161.8 r	4,193.2 r	4,277.7 r	17,537.2
Florida	2,286.5 r	2,774.0 r	2,542.0 r	2,854.1 r	3,265.0 r	2,590.0 r	3,346.5 r	4,078.2 r	2,290.4
Georgia	2,654.0 r	3,438.3 r	2,229.0 r	2,133.0 r	1,906.5 r	2,181.8 r	1,750.8 r	1,686.2 r	1,386.0
Hawaii	234.3 r	435.7 r	428.3 r	413.9 r	488.2 r	600.3 r	380.3 r	379.2 r	347.8
Idaho	217.3 r	209.3	235.5 r	217.8 r	288.5 r	290.3 r	300.0 r	287.5 r	355.4
Illinois	1,496.8 r	1,825.1 r	1,728.6 r	1,934.7 r	1,880.1 r	2,127.8 r	2,003.5 r	2,145.1 r	2,168.5
Indiana	512.8 r	568.8 r	537.6 r	573.7 r	556.7 r	566.8 r	583.2 r	596.6 r	672.0
Iowa	275.6 r	361.5 r	463.4 r	499.5 r	538.3 r	487.7 r	548.7 r	662.4 r	634.9
Kansas	224.0 r	306.7	290.5	268.7 r	287.4 r	357.8 r	294.5 r	317.8 r	300.4
Kentucky	253.5 r	370.4 r	321.5 r	246.7 r	251.8 r	296.3 r	240.0 r	222.2 r	252.5
Louisiana	249.0	275.8	432.7 r	453.4 r	446.7 r	443.7 r	322.6 r	419.4 r	406.1
Maine	249.8	450.7	255.6 r	166.7 r	210.3 r	292.1 r	229.2 r	378.8 r	168.0
Maryland	8,778.5 r	9,473.7 r	7,420.0 r	8,027.3 r	12,608.6 r	12,500.8 r	12,746.6 r	11,905.8 r	13,312.7
Massachusetts	4,552.3 r	4,499.8 r	4,920.7 r	5,491.7 r	5,963.6 r	6,591.9 r	6,875.8 r	7,528.9 r	6,883.1
Michigan	1,005.0 r	1,196.4 r	1,254.1 r	1,693.1 r	1,117.8 r	1,177.0 r	1,700.3 r	1,726.1 r	1,866.5
Minnesota	797.3 r	900.9	1,152.8 r	866.2 r	831.3 r	768.3 r	1,241.6 r	1,386.8 r	1,393.0
Mississippi	413.8 r	415.7 r	627.7	1,181.0 r	1,598.7 r	438.2 r	554.9 r	433.9 r	435.2
Missouri	905.9 r	927.0 r	1,241.1 r	1,349.5 r	3,058.8 r	4,201.7 r	1,315.6 r	1,220.6 r	1,111.3
Montana	105.4 r	136.8	113.7 r	131.2 r	188.8 r	182.1 r	151.3 r	653.6 r	159.5
Nebraska	104.1 r	145.2 r	153.8 r	168.0 r	210.5 r	193.1 r	178.1 r	230.1 r	204.6
Nevada	273.3 r	360.2 r	342.5 r	418.9 r	555.0 r	593.3 r	436.2 r	321.1 r	312.6
New Hampshire	357.8 r	474.4 r	312.3 r	511.9 r	422.1 r	513.8 r	400.4 r	339.9 r	294.3
New Jersey	1,979.3 r	1,674.0 r	2,109.1 r	2,087.6 r	2,273.7 r	2,524.8 r	2,172.7 r	2,192.0 r	2,192.7
New Mexico	2,210.5 r	2,890.6 r	2,877.0 r	3,090.1 r	3,363.2 r	3,593.4 r	3,315.0 r	3,478.0 r	3,502.9
New York	2,989.7 r	3,528.3 r	3,820.6 r	4,382.5 r	4,505.3 r	5,320.1 r	5,368.2 r	5,367.6 r	4,651.2
North Carolina	1,062.5	1,400.9	1,393.0 r	1,617.3 r	1,683.6 r	1,806.1 r	1,771.4 r	1,828.4 r	1,772.6
North Dakota	64.1	77.9	104.7 r	107.3 r	108.6 r	117.9 r	117.9 r	115.8 r	98.3
Ohio	2,164.6 r	3,051.1 r	2,380.4 r	2,967.1 r	2,794.2 r	2,961.5 r	2,723.9 r	3,660.9 r	2,580.4
Oklahoma	232.2 r	324.0 r	276.1 r	570.2 r	498.5 r	400.7 r	271.1 r	253.2 r	260.8
Oregon	468.2	522.6 r	504.0 r	514.2 r	504.8 r	650.1 r	510.1 r	506.4 r	581.1
Pennsylvania	2,396.1 r	2,772.1 r	3,245.0 r	3,989.3 r	3,731.1 r	3,677.4 r	3,299.7 r	3,359.9 r	3,279.4
Rhode Island	418.0	437.5	501.5 r	565.6 r	642.1 r	888.8 r	622.5 r	627.8 r	643.7
South Carolina	249.9	314.3	371.0 r	454.0 r	384.3 r	492.7 r	373.8 r	421.7 r	453.0
South Dakota	38.8	54.9	58.7	54.8 r	70.0 r	70.0 r	75.9 r	61.9 r	76.4
Tennessee	824.3 r	1,039.5 r	1,157.2 r	1,130.6 r	1,382.0 r	1,426.0 r	1,489.1 r	1,907.9 r	1,689.9
Texas	3,021.0 r	3,189.4 r	3,553.9 r	5,414.4 r	5,506.7 r	5,187.0 r	5,914.7 r	6,692.8 r	5,029.6
Utah	306.0 r	421.6 r	457.9 r	803.4 r	1,183.7 r	1,058.2 r	845.8 r	991.3 r	699.9
Vermont	72.0	112.7	136.4	201.1 r	417.1 r	262.6 r	105.5	108.4 r	121.0
Virginia	4,961.5 r	4,995.7 r	6,175.9 r	6,709.2 r	7,298.3 r	8,746.5 r	8,994.3 r	9,088.2 r	9,282.2
Washington	1,345.6 r	1,725.3 r	2,023.3 r	2,442.2 r	2,311.3 r	2,641.2 r	4,087.1 r	4,751.1 r	4,339.5
West Virginia	235.7	376.1 r	254.2	383.4 r	315.7 r	807.5 r	301.4	219.1 r	224.6
Wisconsin	420.8	487.9	595.5 r	658.4 r	645.9 r	651.8 r	635.7 r	671.4 r	660.9
Wyoming	35.1	37.0	39.6	43.0 r	47.6 r	37.5 r	36.2	36.6 r	47.4
Outlying areas	117.9	142.6 r	288.2 r	323.3 r	135.0 r	160.6 r	161.2	178.4	160.0

TABLE 125. Federal obligations for research and development for selected agencies, by state and other locations: FY 2000–08
(Dollars in millions)

State/location	2000	2001	2002	2003	2004	2005	2006	2007	2008
Puerto Rico	81.0	90.8	135.3	112.2	100.9	101.4	98.8	85.9	84.9
Other areas ^a	36.9	51.8 r	152.9 r	211.1 r	34.1 r	59.2 r	62.4	92.5	75.4
Offices abroad	109.1	30.3	64.4	60.9	99.4	96.5	138.0	39.9	86.8

r = significantly revised; replaces previously published data.

^a Includes America Samoa, Guam, U.S. Virgin Islands, and all other U.S. territories and possessions other than Puerto Rico.

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 98% or more of the total federal R&D obligations in each year. Although the 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.

Beginning in FY 2000, Department of the Air Force (AF) did not report Budget Activity (BA) 6.7 Operational Systems Development data because the agency misunderstood reporting requirements. During the 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 2000, NASA reclassified Space Station as a physical asset, reclassified Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant; and National Institutes of Health reclassified all its development activities as research. 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. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development: FY 2008–10.