

TABLE 128

Federal obligations for research and development for selected agencies, by state or location: FYs 2001–11

(Dollars in millions)

State or location	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
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	138,975.5	138,156.5	132,793.6
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	3,023.3	3,476.9	5,202.1
Alaska	254.4	299.9	399.4	461.3	495.1	212.1	264.0	222.2	247.3	235.6	196.5
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	3,141.5	3,425.6	2,917.0
Arkansas	183.9	141.3	145.4	146.7	165.0	161.8	177.7	145.3	171.2	181.8	178.6
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	26,988.8	27,226.9	22,768.9
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	3,862.3	4,348.3	3,815.5
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	2,364.5	2,193.5	2,426.0
Delaware	83.5	80.6	95.4	89.7	94.2	112.7	130.6	144.3	225.2	129.1	114.7
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	4,265.5	3,890.1	3,013.5
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	3,734.4	3,142.2	2,481.8
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	1,957.6	1,520.0	1,421.8
Hawaii	435.7	428.3	413.9	488.2	600.3	380.3	379.2	347.8	387.5	389.4	403.6
Idaho	209.3	235.5	217.8	288.5	290.3	300.0	287.5	355.4	388.0	479.0	430.2
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	2,745.5	2,631.3	2,878.1
Indiana	568.8	537.6	573.7	556.7	566.8	583.2	596.6	672.0	1,109.2	988.7	903.0
Iowa	361.5	463.4	499.5	538.3	487.7	548.7	662.4	634.9	683.2	909.1	695.3
Kansas	306.7	290.5	268.7	287.4	357.8	294.5	317.8	300.4	464.2	347.5	367.8
Kentucky	370.4	321.5	246.7	251.8	296.3	240.0	222.2	252.5	319.1	287.4	242.0
Louisiana	275.8	432.7	453.4	446.7	443.7	322.6	419.4	406.1	405.6	330.8	597.3
Maine	450.7	255.6	166.7	210.3	292.1	229.2	378.8	168.0	194.2	163.1	180.0
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	15,970.5	15,879.0	15,750.6
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	9,047.0	8,747.5	7,758.4
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	2,427.4	2,509.7	2,153.4
Minnesota	900.9	1,152.8	866.2	831.3	768.3	1,241.6	1,386.8	1,393.0	1,550.6	1,062.6	949.3
Mississippi	415.7	627.7	1,181.0	1,598.7	438.2	554.9	433.9	435.2	384.6	421.6	588.1
Missouri	927.0	1,241.1	1,349.5	3,058.8	4,201.7	1,315.6	1,220.6	1,111.3	1,284.6	1,151.0	1,193.3
Montana	136.8	113.7	131.2	188.8	182.1	151.3	653.6	159.5	171.5	139.2	181.7
Nebraska	145.2	153.8	168.0	210.5	193.1	178.1	230.1	204.6	220.2	239.8	262.2
Nevada	360.2	342.5	418.9	555.0	593.3	436.2	321.1	312.6	558.2	379.8	478.1
New Hampshire	474.4	312.3	511.9	422.1	513.8	400.4	339.9	294.3	458.4	350.5	406.0
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	2,492.2	2,853.0	2,582.7
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	3,695.6	3,338.0	3,456.2
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	6,242.0	5,602.2	5,042.1
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	2,021.8	2,151.2	2,060.3
North Dakota	77.9	104.7	107.3	108.6	117.9	117.9	115.8	98.3	101.2	119.6	117.7
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	4,459.5	4,098.8	3,554.7
Oklahoma	324.0	276.1	570.2	498.5	400.7	271.1	253.2	260.8	370.0	429.6	462.5
Oregon	522.6	504.0	514.2	504.8	650.1	510.1	506.4	581.1	635.2	675.3	711.1
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	4,297.6	4,963.4	4,513.0
Rhode Island	437.5	501.5	565.6	642.1	888.8	622.5	627.8	643.7	679.5	669.8	610.1
South Carolina	314.3	371.0	454.0	384.3	492.7	373.8	421.7	453.0	661.6	662.2	496.7
South Dakota	54.9	58.7	54.8	70.0	70.0	75.9	61.9	76.4	79.3	75.0	61.1
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	2,081.4	2,104.8	1,898.6
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	6,031.1	6,896.1	5,475.4
Utah	421.6	457.9	803.4	1,183.7	1,058.2	845.8	991.3	699.9	1,168.5	1,708.9	1,756.4
Vermont	112.7	136.4	201.1	417.1	262.6	105.5	108.4	121.0	151.4	142.3	124.4
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	9,381.3	9,111.7	8,287.1
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	4,156.7	3,915.5	4,931.4

TABLE 128

Federal obligations for research and development for selected agencies, by state or location: FYs 2001–11

(Dollars in millions)

State or location	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
West Virginia	376.1	254.2	383.4	315.7	807.5	301.4	219.1	224.6	262.6	312.8	239.8
Wisconsin	487.9	595.5	658.4	645.9	651.8	635.7	671.4	660.9	885.7	795.6	742.2
Wyoming	37.0	39.6	43.0	47.6	37.5	36.2	36.6	47.4	65.2	36.7	37.2
Outlying areas	142.6	288.2	323.3	135.0	160.6	161.2	178.4	160.3	237.2	263.2	269.0
Puerto Rico	90.8	135.3	112.2	100.9	101.4	98.8	85.9	84.9	96.1	94.8	97.4
Other areas ^a	51.8	152.9	211.1	34.1	59.2	62.4	92.5	75.4	141.1	168.4	171.7
Offices abroad ^b	30.3	64.4	60.9	99.4	96.5	138.0	39.9	86.8	67.8	54.0	35.7
Undistributed ^c	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4,373.4

NA = not available; data were not collected at that level for that fiscal year.

^a Includes American Samoa, Baker Island, Guam, Howland Island, Jarvis Island, Johnston Atoll, Kingman Reef, Midway Islands, Navassa Island, Northern Mariana Islands, Palmyra Atoll, U.S. Virgin Islands, and Wake Island.

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

^c Undistributed totals include Department of Defense (DOD) obligations for which the location of performance is not reported. It includes DOD obligations for industry R&D that were included in individual state totals prior to FY 2012 and obligations for other performers that were not reported prior to FY 2011.

Note(s):

Because of rounding, detail may not add to total. Eleven agencies are required to report data for this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Homeland Security, the Interior, and Transportation; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. Obligations of these 11 agencies represented more than 97% of total federal R&D obligations in FY 2020. 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 Department of Defense development funding to industry reflects location of prime contractors and not the numerous subcontractors who perform much of the R&D. FYs 2009 and 2010 obligations include additional funding provided by the American Recovery and Reinvestment Act of 2009. See technical table A-2 for additional notes associated with the agencies listed in this table.

Source(s):

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development.