

TABLE 121. Federal obligations for research and development for selected agencies, by state and other locations: FYs 1991–2001

(Dollars in millions)

State/location	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
All locations	59,865.4	64,089.7	65,743.8	65,820.1	66,700.1	66,292.4	68,510.2	70,710.4	73,798.2	74,301.3	82,618.0
Alabama	1,863.2	2,151.7	2,149.4	1,819.2	1,931.3	2,178.8	2,213.7	2,013.3	1,807.0	1,670.1	2,456.8
Alaska	102.7	93.0	92.7	157.3	96.9	93.3	99.9	107.2	115.0	155.2	254.4
Arizona	516.8	638.2	535.3	800.2	902.3	706.7	732.1	993.5	1,116.9	1,151.9	1,881.0
Arkansas	85.9	68.8	79.2	88.9	97.7	148.2	95.3	97.4	106.4	116.3	183.9
California	14,488.3	15,999.1	14,883.7	11,250.6	12,600.2	12,658.1	13,730.9	12,222.6	15,600.1	14,819.4	13,001.7
Colorado	2,694.2	1,479.2	1,343.4	1,356.4	1,049.2	1,277.6	1,340.2	1,336.3	1,438.7	1,398.9	1,450.6
Connecticut	672.7	578.3	522.2	733.5	900.7	798.9	846.5	699.4	655.2	806.2	1,377.4
Delaware	41.8	43.1	56.2	50.4	57.7	64.9	49.0	45.2	52.3	69.9	83.5
District of Columbia	1,943.7	2,185.2	2,488.8	2,483.6	2,755.4	2,574.1	2,232.3	2,229.8	2,451.6	2,443.1	2,776.0
Florida	2,181.1	2,832.3	2,775.3	2,906.7	2,391.8	2,957.9	3,326.4	2,754.9	2,284.4	2,286.5	2,774.0
Georgia	466.5	2,512.6	3,035.3	5,546.4	4,366.0	4,137.8	3,919.9	3,443.9	2,023.2	2,654.0	3,438.3
Hawaii	112.6	150.7	113.0	140.3	139.3	147.6	150.7	164.5	198.8	234.3	435.7
Idaho	279.1	299.5	303.7	227.8	211.0	244.6	205.7	212.7	200.7	217.3	209.3
Illinois	959.4	921.9	963.8	1,088.6	1,107.4	1,094.3	1,140.2	1,160.1	1,316.1	1,496.8	1,825.1
Indiana	378.7	367.0	513.6	403.6	426.3	439.8	410.4	377.7	413.9	512.8	568.8
Iowa	209.8	194.7	215.8	223.8	212.1	213.4	228.2	235.8	264.1	275.6	361.5
Kansas	83.6	91.2	87.9	84.8	120.4	212.0	255.5	154.8	191.6	224.0	306.7
Kentucky	122.4	71.7	86.7	90.1	73.1	78.6	91.3	216.7	146.8	253.5	370.4
Louisiana	163.6	169.6	152.6	210.5	170.1	228.7	211.0	223.6	219.2	249.0	275.8
Maine	57.1	60.6	65.2	82.1	53.1	56.7	68.7	105.7	150.6	249.8	450.7
Maryland	5,570.7	5,779.7	7,238.5	6,659.5	7,343.7	6,730.7	7,328.8	7,966.8	8,094.4	8,778.5	9,473.7
Massachusetts	3,146.4	3,227.9	3,551.7	3,201.8	3,337.8	3,192.1	3,437.5	3,113.8	3,129.4	4,552.3	4,499.8
Michigan	772.6	876.3	878.0	771.0	683.2	707.9	735.1	755.9	839.8	1,005.0	1,196.4
Minnesota	455.7	456.4	445.5	475.1	570.2	679.5	609.4	806.1	885.1	797.3	900.9
Mississippi	230.6	255.7	259.8	255.9	209.7	250.6	289.8	280.4	351.6	413.8	415.7
Missouri	587.9	733.5	726.3	2,272.6	1,606.2	1,267.8	1,130.1	933.7	928.7	905.9	927.0
Montana	45.8	71.5	69.1	57.0	63.8	63.0	79.3	81.1	95.4	105.4	136.8
Nebraska	76.1	71.1	78.5	86.5	84.7	88.5	83.0	85.0	94.1	104.1	145.2
Nevada	496.0	465.8	406.2	347.7	368.9	253.2	295.0	294.7	279.1	273.3	360.2
New Hampshire	196.3	156.1	237.6	218.9	213.2	268.5	278.7	269.5	291.7	357.8	474.4
New Jersey	1,698.2	1,646.8	1,422.8	1,385.7	1,297.7	1,272.6	1,318.8	1,459.6	2,661.2	1,979.3	1,674.0
New Mexico	2,018.7	2,211.3	2,309.6	1,894.1	1,959.9	1,955.0	1,933.1	1,892.1	2,068.3	2,210.5	2,890.6
New York	3,086.3	3,058.7	2,538.0	2,678.7	2,585.9	2,504.9	2,471.0	2,560.5	2,689.0	2,989.7	3,528.3
North Carolina	673.8	700.7	719.1	734.3	831.6	821.5	900.3	922.7	1,007.5	1,062.5	1,400.9
North Dakota	43.7	54.2	50.3	49.6	47.4	46.2	53.0	52.1	59.9	64.1	77.9
Ohio	1,729.9	1,863.4	1,921.7	1,736.4	1,810.0	1,681.7	1,879.8	5,563.0	3,687.9	2,164.6	3,051.1
Oklahoma	131.5	126.1	117.9	142.1	158.7	138.3	160.4	176.2	165.8	232.2	324.0
Oregon	216.5	226.5	229.4	279.2	283.4	308.2	319.6	348.6	408.1	468.2	522.6
Pennsylvania	2,125.6	1,794.4	2,566.5	1,983.4	2,394.2	1,921.2	1,893.7	1,886.5	1,907.1	2,396.1	2,772.1
Rhode Island	433.8	386.3	495.6	433.8	514.6	583.2	403.8	385.8	391.7	418.0	437.5

TABLE 121. Federal obligations for research and development for selected agencies, by state and other locations: FYs 1991–2001

(Dollars in millions)

State/location	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
South Carolina	250.4	172.1	173.2	198.5	173.2	186.7	166.6	188.7	215.9	249.9	314.3
South Dakota	22.5	23.9	26.9	26.5	26.5	35.0	42.0	46.0	39.0	38.8	54.9
Tennessee	732.2	666.0	674.4	671.3	582.5	558.6	566.2	621.2	684.7	824.3	1,039.5
Texas	2,321.4	2,873.0	2,546.2	3,654.3	4,068.9	3,493.5	3,640.2	4,112.5	3,853.3	3,021.0	3,189.4
Utah	429.1	314.0	298.8	324.9	368.8	351.7	319.9	393.4	305.0	306.0	421.6
Vermont	56.1	51.3	62.1	48.5	53.0	47.1	49.9	57.7	61.7	72.0	112.7
Virginia	2,909.0	3,231.3	3,402.6	3,726.9	3,392.2	4,576.3	4,849.8	4,671.2	5,750.4	4,961.5	4,995.7
Washington	1,241.1	900.5	878.1	963.8	1,131.6	1,152.9	1,226.2	1,246.9	1,306.8	1,345.6	1,725.3
West Virginia	177.9	166.4	206.2	212.9	287.9	254.4	193.1	243.3	227.0	235.7	376.1
Wisconsin	294.5	307.7	350.8	358.3	338.5	331.4	332.2	333.0	377.8	420.8	487.9
Wyoming	29.8	41.4	48.2	36.8	35.4	37.5	28.4	33.5	35.2	35.1	37.0
Outlying areas	221.0	246.9	332.7	166.3	166.5	172.6	93.3	115.7	133.1	117.9	142.6
Puerto Rico	NA	NA	NA	50.5	46.7	51.6	58.9	65.7	72.7	81.0	90.8
Other areas ^a	NA	NA	NA	115.8	119.8	121.0	34.3	50.0	60.4	36.9	51.8
Offices abroad ^b	21.0	24.4	17.8	23.1	48.0	48.5	54.6	18.2	19.8	109.1	30.3

NA = not available; data collected for this table were not recorded at that level in that particular fiscal year.

^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 U.S. government.

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 R&D.

From FY 2000 through FY 2007, Department of the Air Force (AF) did not report Budget Authority (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 2000 NASA reclassified Space Station as physical asset, reclassified Space Station Research as equipment, and transferred funding for program from R&D to R&D plant; National Institutes of Health reclassified all its development activities as research.

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