

TABLE 121. Federal obligations for research and development for selected agencies, by state and other locations: FY 1990–2000

(Dollars in millions)

State/location	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
All locations	62,105.2	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
Alabama	1,805.4	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
Alaska	90.7	102.7	93.0	92.7	157.3	96.9	93.3	99.9	107.2	115.0	155.2
Arizona	591.7	516.8	638.2	535.3	800.2	902.3	706.7	732.1	993.5	1,116.9	1,151.9
Arkansas	85.7	85.9	68.8	79.2	88.9	97.7	148.2	95.3	97.4	106.4	116.3
California	16,249.3	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
Colorado	1,888.3	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
Connecticut	509.8	672.7	578.3	522.2	733.5	900.7	798.9	846.5	699.4	655.2	806.2
Delaware	28.3	41.8	43.1	56.2	50.4	57.7	64.9	49.0	45.2	52.3	69.9
District of Columbia	1,593.1	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
Florida	2,343.4	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
Georgia	364.1	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
Hawaii	100.0	112.6	150.7	113.0	140.3	139.3	147.6	150.7	164.5	198.8	234.3
Idaho	326.1	279.1	299.5	303.7	227.8	211.0	244.6	205.7	212.7	200.7	217.3
Illinois	957.2	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
Indiana	363.6	378.7	367.0	513.6	403.6	426.3	439.8	410.4	377.7	413.9	512.8
Iowa	186.7	209.8	194.7	215.8	223.8	212.1	213.4	228.2	235.8	264.1	275.6
Kansas	116.4	83.6	91.2	87.9	84.8	120.4	212.0	255.5	154.8	191.6	224.0
Kentucky	96.5	122.4	71.7	86.7	90.1	73.1	78.6	91.3	216.7	146.8	253.5
Louisiana	121.2	163.6	169.6	152.6	210.5	170.1	228.7	211.0	223.6	219.2	249.0
Maine	39.7	57.1	60.6	65.2	82.1	53.1	56.7	68.7	105.7	150.6	249.8
Maryland	5,332.1	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
Massachusetts	2,982.8	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
Michigan	810.8	772.6	876.3	878.0	771.0	683.2	707.9	735.1	755.9	839.8	1,005.0
Minnesota	529.8	455.7	456.4	445.5	475.1	570.2	679.5	609.4	806.1	885.1	797.3
Mississippi	471.7	230.6	255.7	259.8	255.9	209.7	250.6	289.8	280.4	351.6	413.8
Missouri	1,064.3	587.9	733.5	726.3	2,272.6	1,606.2	1,267.8	1,130.1	933.7	928.7	905.9
Montana	30.9	45.8	71.5	69.1	57.0	63.8	63.0	79.3	81.1	95.4	105.4
Nebraska	76.4	76.1	71.1	78.5	86.5	84.7	88.5	83.0	85.0	94.1	104.1
Nevada	484.7	496.0	465.8	406.2	347.7	368.9	253.2	295.0	294.7	279.1	273.3
New Hampshire	145.1	196.3	156.1	237.6	218.9	213.2	268.5	278.7	269.5	291.7	357.8
New Jersey	1,601.6	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
New Mexico	2,311.3	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
New York	2,960.8	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
North Carolina	618.6	673.8	700.7	719.1	734.3	831.6	821.5	900.3	922.7	1,007.5	1,062.5
North Dakota	53.1	43.7	54.2	50.3	49.6	47.4	46.2	53.0	52.1	59.9	64.1
Ohio	2,088.5	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
Oklahoma	162.6	131.5	126.1	117.9	142.1	158.7	138.3	160.4	176.2	165.8	232.2
Oregon	175.6	216.5	226.5	229.4	279.2	283.4	308.2	319.6	348.6	408.1	468.2
Pennsylvania	2,074.6	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
Rhode Island	391.1	433.8	386.3	495.6	433.8	514.6	583.2	403.8	385.8	391.7	418.0

TABLE 121. Federal obligations for research and development for selected agencies, by state and other locations: FY 1990–2000

(Dollars in millions)

State/location	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
South Carolina	230.9	250.4	172.1	173.2	198.5	173.2	186.7	166.6	188.7	215.9	249.9
South Dakota	15.7	22.5	23.9	26.9	26.5	26.5	35.0	42.0	46.0	39.0	38.8
Tennessee	825.0	732.2	666.0	674.4	671.3	582.5	558.6	566.2	621.2	684.7	824.3
Texas	3,496.8	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
Utah	437.7	429.1	314.0	298.8	324.9	368.8	351.7	319.9	393.4	305.0	306.0
Vermont	42.5	56.1	51.3	62.1	48.5	53.0	47.1	49.9	57.7	61.7	72.0
Virginia	2,733.5	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
Washington	1,567.0	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
West Virginia	116.6	177.9	166.4	206.2	212.9	287.9	254.4	193.1	243.3	227.0	235.7
Wisconsin	271.7	294.5	307.7	350.8	358.3	338.5	331.4	332.2	333.0	377.8	420.8
Wyoming	57.4	29.8	41.4	48.2	36.8	35.4	37.5	28.4	33.5	35.2	35.1
Outlying areas	54.9	221.0	246.9	332.7	166.3	166.5	172.6	93.3	115.7	133.1	117.9
Puerto Rico	NA	NA	NA	NA	50.5	46.7	51.6	58.9	65.7	72.7	81.0
Other areas ^a	NA	NA	NA	NA	115.8	119.8	121.0	34.3	50.0	60.4	36.9
Offices abroad ^b	31.7	21.0	24.4	17.8	23.1	48.0	48.5	54.6	18.2	19.8	109.1

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 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 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.

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