

TABLE 91. Federal outlays for research and development, by agency: FY 1990–2000

(Dollars in millions)

Agency	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
All agencies ^a	62,135.3	61,130.4	62,934.5	65,241.3	66,150.8	66,662.0	66,142.0	68,897.9	70,631.9	70,585.2	76,897.6
Departments											
Department of Agriculture	1,072.5	1,189.4	1,246.0	1,303.9	1,353.6	1,375.8	1,335.7	1,342.2	1,379.5	1,446.2	1,551.2
Agricultural Cooperative Service	2.7	2.8	3.4	2.9	3.7	na	na	na	na	na	na
Agricultural Marketing Service	2.7	3.7	4.3	4.7	4.6	5.0	4.5	4.5	4.2	4.4	4.8
Agricultural Research Service	548.1	573.5	617.1	643.4	660.0	679.3	672.4	699.5	687.1	733.5	790.4
Animal and Plant Health Inspection Service	8.0	15.7	16.7	17.1	19.2	19.1	18.0	19.8	20.5	20.4	20.6
Economic Research Service	50.7	53.0	57.5	61.5	57.3	52.0	50.1	42.4	55.0	57.8	63.9
Food Safety Inspection Service	0.0	0.0	0.0	0.0	0.0	0.0	*	*	0.2	0.7	2.3
Foreign Agricultural Service	0.0	0.0	0.0	0.0	0.7	0.9	1.3	1.4	1.4	1.4	1.4
Forest Service	139.6	144.7	174.8	179.3	190.8	193.5	177.9	179.8	188.0	194.0	232.0
Grain Inspection, Packers, and Stockyards Administration	0.6	0.7	1.8	1.8	1.8	1.5	2.5	2.8	2.7	2.7	3.6
Human Nutrition Information Service	9.0	8.9	9.7	7.3	5.3	na	na	na	na	na	na
National Agricultural Statistics Service	2.7	3.2	3.5	3.9	3.6	4.2	3.7	3.0	3.3	3.6	3.6
National Institute of Food and Agriculture ^b	303.9	380.1	354.9	379.4	404.1	418.8	403.8	386.5	412.7	424.2	425.4
Office of International Cooperation and Development	4.3	3.1	2.4	2.6	0.0	na	na	na	na	na	na
Rural Business-Cooperative Service	na	na	na	na	2.4	1.6	1.4	2.5	4.4	3.5	3.1
Department of Commerce	426.8	485.1	622.1	629.6	797.4	863.0	918.1	967.1	994.1	999.8	1,065.6
Economic Development Administration	1.5	1.0	1.1	0.7	0.3	1.0	0.6	0.6	0.6	0.6	0.6
National Institute of Standards and Technology	112.3	135.9	149.1	180.1	225.2	327.4	378.0	424.4	439.8	419.6	412.8
National Oceanic and Atmospheric Administration	300.1	338.0	462.4	439.5	562.6	523.1	528.5	509.3	519.6	547.2	597.1
National Telecommunications and Information Administration	6.2	3.6	4.0	4.2	3.9	6.4	4.5	27.8	25.5	20.3	23.0
Office of the Secretary	*	*	*	*	*	*	0.0	0.0	0.0	0.0	0.0
U.S. Census Bureau	6.7	6.6	5.5	5.0	5.4	5.1	6.6	5.1	8.6	12.0	32.0
Department of Defense ^a	36,703.2	33,013.5	34,220.8	34,152.7	34,918.2	33,920.9	35,387.0	35,646.6	35,490.6	33,687.3	38,519.1
Defense agencies and activities	6,765.0	6,621.8	7,358.7	6,628.0	8,084.7	7,099.7	7,170.3	7,177.3	8,038.4	6,188.5	5,608.5
Department of the Air Force ^a	14,687.9	12,825.6	12,346.1	12,056.9	12,645.5	12,024.9	13,420.3	14,886.7	14,242.5	13,899.4	18,817.0
Department of the Army	5,750.2	5,659.5	6,273.2	6,118.3	5,794.0	5,133.0	4,948.7	4,885.2	4,916.3	5,067.8	4,820.1
Department of the Navy	9,352.3	7,815.0	8,004.0	9,114.0	8,150.5	9,416.6	9,578.5	8,400.2	8,015.2	8,229.7	8,983.2
Operational Test and Evaluation, Director	32.0	22.3	9.4	12.3	11.9	12.4	22.1	21.5	27.8	44.7	32.9
Test and Evaluation, Deputy Under Secretary of Defense	115.8	69.4	229.4	223.2	231.8	234.3	247.1	275.8	250.4	257.3	257.4
Department of Education	147.9	114.5	133.0	173.8	177.2	179.6	172.0	169.1	192.0	201.6	222.4
Department of Energy	5,508.4	5,727.2	6,034.7	6,185.1	5,974.7	6,152.2	5,846.2	5,678.6	5,876.7	6,035.0	6,067.6
Department of Health and Human Services	8,308.7	9,627.3	8,994.8	10,325.9	10,218.2	10,978.2	10,278.5	11,337.2	12,826.9	14,056.8	18,187.1
Administration for Children and Families	na	110.2	35.1	19.3	11.3	12.0	11.9	12.7	15.8	23.1	25.4

TABLE 91. Federal outlays for research and development, by agency: FY 1990–2000

(Dollars in millions)

Agency	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Administration on Aging	na	20.6	20.2	20.9	19.1	20.7	2.9	4.0	10.4	18.5	1.1
Agency for Healthcare Research and Quality	5.3	11.9	113.5	87.6	111.0	133.0	80.0	110.0	77.0	79.0	50.8
Agency for Toxic Substances and Disease Registry	na	na	na	na	na	na	na	na	na	na	14.7
Alcohol, Drug Abuse, and Mental Health Administration	842.7	1,460.6	na	na	na	na	na	na	na	na	na
Ctrs. for Disease Control and Prevention	95.6	113.4	146.9	162.5	206.8	317.4	296.7	306.0	343.6	433.3	439.0
Ctrs. for Medicare and Medicaid Services	14.4	21.7	63.9	69.5	72.3	72.9	75.4	66.3	51.3	48.1	44.4
Food and Drug Administration	94.0	125.0	135.7	154.5	138.6	131.3	133.3	157.3	142.9	130.8	141.2
Health Resources and Services Administration	11.9	11.0	10.1	9.6	16.4	12.8	11.2	13.1	12.9	12.4	35.6
Human Development Services	76.7	na	na	na	na	na	na	na	na	na	na
National Institutes of Health	7,127.0	7,714.0	8,409.2	9,765.1	9,614.8	10,262.8	9,645.6	10,575.9	11,892.5	13,005.7	16,918.3
Office of the Assistant Secretary for Health	22.3	18.2	21.7	15.8	0.7	0.6	na	na	na	na	na
Office of the Secretary	5.0	8.8	5.0	5.2	5.0	3.5	5.0	22.9	7.0	16.6	18.7
Office of Public Health and Science	na	na	na	na	na	na	2.0	1.9	2.0	2.6	2.0
Office of the Assistant Secretary, Planning and Evaluation	na	na	na	na	na	na	3.0	21.0	5.0	13.9	16.7
Social Security Administration	13.9	11.9	33.4	15.9	22.2	11.3	na	na	na	na	na
Substance Abuse and Mental Health Services Administration	na	na	na	na	na	na	16.7	69.1	273.4	289.3	497.8
Department of Housing and Urban Development	21.7	18.1	23.5	28.4	28.5	38.0	36.2	31.7	31.6	27.5	43.7
Department of the Interior	492.5	535.6	610.6	631.0	637.4	552.3	545.1	566.1	565.3	606.7	579.8
Bureau of Land Management	2.8	8.8	6.3	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bureau of Mines	93.6	96.3	113.9	111.8	107.9	0.0	na	na	na	na	na
Bureau of Reclamation	5.8	8.7	12.2	9.6	7.4	8.0	6.5	6.8	8.8	10.3	9.8
Minerals Management Service	1.8	2.5	3.4	5.1	18.3	19.8	20.7	20.8	26.8	28.2	29.1
National Biological Service	na	na	na	0.0	110.3	150.7	na	na	na	na	na
National Park Service	20.1	27.5	31.1	38.1	24.2	19.7	20.2	26.0	29.7	22.5	34.7
Office of Surface Mining, Reclamation, and Enforcement	0.8	1.0	0.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Office of the Secretary	0.2	0.6	0.9	0.4	0.1	*	0.0	0.0	0.0	0.0	0.0
U.S. Fish and Wildlife Service	67.3	73.6	76.6	75.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Geological Survey	300.0	316.6	365.9	381.2	369.1	354.1	497.6	512.5	499.9	545.7	506.1
Department of Justice	38.2	40.4	42.9	46.2	42.0	49.0	72.7	75.5	73.2	85.3	42.8
Bureau of Prisons	3.2	5.7	5.9	6.1	5.4	5.7	5.2	4.6	8.1	9.3	6.6
Drug Enforcement Administration	2.4	2.8	1.5	1.1	1.7	0.4	1.2	*	0.0	0.0	0.0
Federal Bureau of Investigation	8.2	10.8	10.9	11.3	7.0	10.9	33.5	35.5	35.8	36.3	10.0
Immigration and Naturalization Service	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.4	0.0	0.2	0.6
Office of Justice Programs	24.0	20.7	24.1	27.2	27.6	31.5	32.6	35.0	29.3	39.5	25.7
Department of Labor	45.2	45.6	70.8	57.8	60.7	51.7	50.1	39.1	25.2	25.8	82.7
Bureau of Labor Statistics	7.3	7.5	7.6	6.9	7.1	13.1	13.3	12.6	12.4	12.4	12.3
Employee Benefits Security Administration	2.1	2.5	2.6	2.6	2.7	3.6	2.3	2.0	2.7	1.8	1.8

TABLE 91. Federal outlays for research and development, by agency: FY 1990–2000

(Dollars in millions)

Agency	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Employment and Training Administration	25.6	23.7	51.0	39.2	41.8	23.1	24.6	18.2	4.7	6.1	60.9
Employment Standards Administration	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Occupational Safety and Health Administration	2.5	2.6	3.1	2.5	3.2	4.3	6.6	5.4	4.6	3.7	5.7
Office of the Secretary	7.1	8.7	5.7	5.4	5.2	6.2	2.6	0.2	0.2	1.0	1.3
Pension Benefit Guaranty Corp.	0.5	0.5	0.9	1.3	0.7	1.4	0.6	0.7	0.6	0.7	0.7
Department of State	4.7	5.9	5.6	5.3	0.4	0.5	1.0	0.6	0.5	1.0	0.9
Department of Transportation	270.6	342.6	394.0	425.2	519.9	634.7	578.8	527.6	516.0	508.4	436.7
Federal Aviation Administration	169.2	199.6	234.9	234.5	247.2	256.8	259.8	218.0	210.5	173.7	217.6
Federal Highway Administration	44.0	86.1	81.2	87.1	174.7	249.6	230.4	215.6	209.3	230.7	106.7
Federal Motor Carrier Safety Administration	na	0.4									
Federal Railroad Administration	7.0	12.8	20.6	21.6	18.6	21.5	18.5	18.1	22.0	21.1	25.3
Federal Transit Administration	2.3	2.1	1.5	14.3	18.5	33.4	22.4	19.5	10.2	10.6	12.0
Maritime Administration	0.9	1.5	1.7	1.7	1.7	2.3	0.0	0.0	0.0	0.0	0.0
National Highway Traffic Safety Administration	16.9	19.2	24.5	28.3	26.9	41.4	15.0	23.0	33.3	40.3	40.5
Office of the Secretary	6.9	4.7	5.0	4.4	2.5	4.0	2.8	2.0	3.7	3.7	7.5
Research and Special Programs Administration	2.4	2.2	2.3	1.7	4.1	4.9	7.0	8.4	7.2	7.9	7.0
U.S. Coast Guard	21.0	14.5	22.4	31.7	25.5	20.6	22.8	22.9	19.9	20.4	19.8
Department of the Treasury	25.1	30.3	24.4	16.5	18.9	61.4	60.0	59.7	65.1	64.7	60.3
Bureau of Engraving and Printing	2.1	3.5	2.0	3.2	1.7	1.8	1.7	1.7	2.8	2.1	2.8
Financial Crimes Enforcement Network	0.0	1.8	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Internal Revenue Service	16.3	17.3	17.3	6.5	11.3	49.7	51.2	50.8	52.0	55.8	53.3
Office of Thrift Supervision	na	3.0	0.8	0.7	0.5	0.6	0.5	0.6	0.7	0.1	0.1
U.S. Customs Service	6.2	3.7	2.2	4.0	4.5	8.5	6.2	6.1	9.0	5.3	1.8
U.S. Mint	0.1	0.5	0.0	*	0.4	0.3	0.0	*	0.1	0.8	1.3
U.S. Secret Service	0.5	0.4	0.5	0.6	0.5	0.5	0.5	0.4	0.5	0.5	1.0
Department of Veterans Affairs	206.6	213.4	202.1	246.0	240.8	251.1	232.1	234.9	246.9	339.1	341.7
Other agencies											
Advisory Commission on Intergovernmental Relations	1.2	1.2	1.5	2.1	1.4	1.4	na	na	na	na	na
Agency for International Development	334.0	344.0	205.9	321.7	372.6	256.8	251.0	206.4	212.0	203.0	179.0
Appalachian Regional Commission	0.4	0.7	1.9	0.9	0.9	0.9	0.9	0.9	0.7	0.8	0.6
Broadcasting Board of Governors	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Consumer Product Safety Commission	1.2	1.3	1.2	1.2	0.4	0.4	0.1	0.1	*	0.0	0.0
Environmental Protection Agency	388.5	400.1	411.9	495.2	553.5	492.5	476.3	515.0	503.0	532.0	472.0
Federal Communications Commission	1.3	1.4	1.6	1.6	1.7	2.3	2.8	3.1	3.0	4.5	2.8
Federal Trade Commission	0.5	1.0	1.3	0.9	0.7	0.6	0.5	0.7	1.1	1.3	0.7
General Services Administration	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Library of Congress	8.4	8.6	10.0	10.7	12.5	7.7	11.0	2.5	1.6	2.1	2.2
National Aeronautics and Space Administration	6,324.3	7,071.2	7,616.5	8,087.0	8,023.3	8,600.7	7,614.0	9,273.0	9,421.0	9,415.0	6,424.0
National Archives and Records Administration	0.4	0.7	0.7	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1
National Science Foundation	1,524.9	1,630.6	1,732.7	1,754.2	1,873.0	1,876.0	2,054.0	2,000.0	2,010.0	2,144.0	2,446.0

TABLE 91. Federal outlays for research and development, by agency: FY 1990–2000

(Dollars in millions)

Agency	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Nuclear Regulatory Commission	111.5	107.5	116.5	119.6	92.4	88.8	75.2	67.5	54.3	48.0	47.0
Office of Thrift Supervision	4.1	na	na	na							
Smithsonian Institution	90.8	94.0	94.2	96.0	121.2	119.0	121.0	123.0	113.0	86.0	93.0
Social Security Administration	na	na	na	na	na	na	11.5	13.6	17.4	53.3	28.8
Tennessee Valley Authority	61.8	68.6	98.8	108.6	97.9	93.1	6.1	8.9	2.7	0.0	0.0
U.S. Arms Control and Disarmament Agency	0.2	0.4	2.1	1.5	1.3	1.1	0.7	1.2	1.2	0.0	0.0
U.S. Information Agency	0.0	0.2	0.2	0.2	0.6	0.3	0.1	0.2	0.2	0.1	na
U.S. International Trade Commission	9.1	9.9	12.3	12.2	9.4	12.2	3.2	5.7	7.2	9.7	0.0

* = amount greater than \$0 but less than \$50,000. na = not applicable; agency or subagency did not exist as such or in that organization in that year.

^a 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.

^b Cooperative State Research, Education, and Extension Service changed its name to National Institute of Food and Agriculture in FY 2008.

NOTES: Because of rounding, detail may not add to total. Only those agencies and subdivisions that had outlays in variables represented by this table appear in table. In FY 2000, National Aeronautics and Space Administration 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; National Institutes of Health reclassified all its development activities as research. 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.