

TABLE 98

**Federal outlays for research and development, by agency: FYs 2001–11**

(Dollars in millions)

Agency	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
All agencies	82,705.3	88,297.6	100,179.3	105,174.9	117,398.5	116,867.6	121,875.1	123,059.1	126,854.2	131,387.6	131,451.9
Departments											
Department of Agriculture	1,754.3	1,919.1	1,966.3	2,048.2	2,132.1	2,185.0	2,217.6	2,254.1	2,229.4	2,308.9	2,300.5
Agricultural Marketing Service	4.7	5.2	4.7	8.4	9.4	6.3	6.4	3.8	4.3	4.4	4.3
Agricultural Research Service	912.3	1,039.4	1,039.0	1,098.7	1,117.3	1,134.7	1,102.8	1,148.6	1,133.7	1,199.9	1,161.5
Animal and Plant Health Inspection Service	25.4	23.7	28.0	24.4	24.4	25.5	26.0	28.4	24.6	25.6	24.6
Economic Research Service	66.1	69.9	70.3	65.7	74.6	72.8	90.6	77.8	79.7	86.4	87.9
Food Safety and Inspection Service	2.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Foreign Agricultural Service	1.4	1.4	1.6	1.6	1.5	0.9	0.6	0.4	0.4	0.4	0.6
Forest Service	250.0	277.0	305.0	326.0	325.0	341.0	335.0	338.0	336.0	363.0	353.0
Grain Inspection, Packers, and Stockyards Administration	6.1	6.0	5.3	6.7	6.7	7.1	6.7	6.6	6.5	6.3	6.7
National Agricultural Statistics Service	4.3	4.6	5.5	6.1	6.1	6.5	6.8	6.9	7.2	7.5	7.4
National Institute of Food and Agriculture	478.9	487.6	503.1	506.8	563.5	586.0	621.8	639.3	634.0	611.7	653.8
Rural Business-Cooperative Service	2.4	4.2	3.8	3.8	3.6	4.1	21.0	4.2	3.0	3.7	0.7
Department of Commerce	966.5	1,113.7	1,155.2	1,076.4	707.7	664.2	991.1	1,052.1	1,004.4	1,121.6	1,267.0
Economic Development Administration	0.6	0.4	0.5	0.2	0.5	0.2	0.8	2.2	2.9	7.3	0.6
National Institute of Standards and Technology	424.9	413.3	459.2	508.8	440.6	421.1	422.2	444.1	454.5	534.6	570.6
National Oceanic and Atmospheric Administration	501.0	651.3	652.0	519.0	240.2	215.5	540.7	580.8	510.9	525.4	629.0
National Telecommunications and Information Administration	21.0	26.0	23.5	24.2	3.5	5.3	5.3	0.3	6.9	7.0	7.2
U.S. Census Bureau	19.0	22.7	19.9	24.2	23.0	22.0	22.0	24.7	29.0	47.2	59.5
Department of Defense	40,528.5	41,662.9	49,614.9	52,977.5	64,311.4	63,724.3	68,557.0	68,731.4	66,775.3	67,614.8	72,527.4
Defense Advanced Research Projects Agency	na	na	na	na	na	na	na	na	na	na	2,889.3
Defense agencies and activities	7,285.7	10,196.9	11,741.1	11,074.2	17,056.7	13,970.6	14,686.5	15,521.3	15,598.7	15,209.7	na
Department of the Air Force	17,589.5	14,156.3	18,146.2	19,711.8	20,915.1	21,407.2	24,483.0	24,121.7	23,458.2	26,106.2	25,854.5
Department of the Army	5,796.7	6,619.8	7,092.1	6,954.2	9,847.2	10,662.1	10,360.0	11,057.1	10,048.3	9,209.6	8,125.0
Department of the Navy	9,626.1	10,494.5	12,392.4	14,932.4	16,172.3	17,422.9	18,834.4	17,851.0	17,491.6	16,905.1	15,345.4
Operational Test and Evaluation, Director	205.3	195.5	243.1	305.0	320.1	261.6	193.1	180.3	178.5	184.2	NA
Other defense agencies	na	na	na	na	na	na	na	na	na	na	20,313.3
Test and Evaluation, Deputy Under Secretary of Defense	25.3	na	na	na	na	na	na	na	na	na	na
Department of Education	251.0	243.1	315.6	226.9	264.3	254.5	271.2	286.8	312.0	321.7	105.7
Department of Energy	6,539.1	7,010.3	7,372.7	7,475.8	7,760.2	7,432.9	7,792.8	8,108.3	8,546.3	8,986.2	9,685.0
Advanced Research Projects Agency—Energy	na	na	na	na	na	na	na	0.0	0.0	63.8	118.4
Bonneville Power Administration	NA	22.9	23.3	24.0	11.3	10.7	11.1	13.7	8.1	13.1	13.2
Civilian Radioactive Waste Management	NA	62.5	75.8	74.1	74.1	52.9	10.5	8.4	1.7	0.0	0.0
Electricity Delivery and Energy Reliability	na	na	na	na	71.8	108.3	54.4	89.4	87.1	83.0	89.5
Energy Efficiency and Renewable Energy	NA	734.9	682.3	583.9	569.1	430.6	646.4	729.1	712.3	915.1	852.6

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Environmental Management	NA	160.3	69.4	42.8	49.8	34.0	32.0	35.8	13.1	69.9	67.5
Fossil Energy	NA	471.3	639.8	499.5	532.7	365.6	418.6	306.3	343.8	349.7	288.4
National Nuclear Security Administration	NA	3,299.4	3,448.3	3,579.4	3,624.9	3,547.6	3,589.5	3,730.5	3,488.9	3,488.8	4,033.9
Defense Programs	NA	2,372.7	2,576.7	2,727.4	2,732.9	2,593.6	2,656.9	2,707.4	2,443.7	2,285.1	2,768.7
Fissile Materials Disposition	NA	22.0	16.6	1.0	0.0	0.0	0.0	NA	NA	NA	NA
Naval Nuclear Propulsion Program	NA	639.3	631.5	687.8	746.6	710.7	727.8	724.1	730.1	866.1	941.7
Office of Defense Nuclear Nonproliferation	NA	265.4	223.5	163.3	145.5	243.3	204.8	299.0	315.1	337.6	323.5
Nuclear Energy	NA	28.2	43.0	79.3	82.8	89.0	80.9	133.1	116.0	368.1	387.8
Office of Intelligence	NA	5.2	4.0	0.0	NA	NA	NA	NA	NA	NA	NA
Office of Science	NA	2,225.5	2,386.7	2,592.8	2,743.7	2,794.1	2,949.4	3,062.0	3,775.3	3,634.7	3,833.6
Department of Health and Human Services	21,002.4	23,647.8	26,499.3	27,834.6	28,432.3	28,440.6	29,009.6	29,121.0	35,144.2	34,927.8	30,379.4
Administration for Children and Families	26.4	21.7	19.4	18.7	38.6	13.4	11.8	19.2	13.7	6.5	9.3
Administration for Community Living	1.6	2.1	4.0	3.0	2.0	3.0	3.0	0.0	0.0	0.0	0.0
Agency for Healthcare Research and Quality	33.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agency for Toxic Substances and Disease Registry	13.1	12.4	14.3	10.7	9.5	9.0	4.2	4.3	4.5	2.8	5.1
Centers for Disease Control and Prevention	544.0	521.0	564.0	539.8	510.8	544.6	544.3	407.2	338.9	343.0	296.5
Centers for Medicare and Medicaid Services	53.0	72.9	73.6	89.0	89.0	62.4	86.0	69.8	57.4	53.9	45.2
Food and Drug Administration	149.4	119.4	149.5	127.5	136.9	138.0	124.6	132.9	159.1	188.4	206.4
Health Resources and Services Administration	51.0	54.1	439.2	47.4	52.9	23.6	23.2	61.6	56.3	66.3	36.8
National Institutes of Health	19,480.7	22,110.1	25,156.4	26,890.4	27,500.3	27,565.6	28,146.3	28,404.4	34,494.3	34,212.6	29,760.2
Office of the Secretary of Health and Human Services	15.6	16.5	21.7	21.1	24.8	26.8	24.5	21.5	20.0	54.4	19.9
Office of Public Health and Science	1.7	1.6	1.8	NA	NA	NA	NA	NA	NA	NA	NA
Office of the Assistant Secretary for Planning and Evaluation	13.9	14.9	19.9	21.1	24.8	26.8	24.5	21.5	20.0	54.4	19.9
Substance Abuse and Mental Health Services Administration	634.3	717.6	57.2	87.2	67.6	54.3	41.8	0.0	0.0	NA	NA
Department of Homeland Security	na	na	NA	535.9	966.4	1,592.7	922.3	798.8	92.2	583.1	471.4
Science and Technology Directorate	na	na	NA	377.0	774.5	1,556.1	894.5	783.0	72.6	557.2	450.9
Transportation Security Administration	na	na	NA	137.9	180.5	12.2	3.8	0.0	0.0	NA	NA
U.S. Coast Guard	na	na	NA	20.1	10.4	23.4	23.1	15.1	19.5	25.9	20.5
U.S. Secret Service	na	na	NA	1.0	1.0	1.0	0.8	0.7	NA	NA	NA
Department of Housing and Urban Development	64.2	57.7	54.3	43.2	47.9	42.0	32.5	32.5	36.4	50.5	50.1
Department of the Interior	621.1	631.1	597.4	604.6	589.7	602.3	615.9	635.3	738.0	720.0	705.4
Bureau of Ocean Energy Management, Regulation and Enforcement	25.9	29.6	27.4	27.2	27.2	28.1	25.8	31.6	37.1	41.7	44.8
Bureau of Reclamation	9.7	10.4	9.5	10.9	12.7	8.8	8.5	8.9	12.7	9.7	11.5
National Park Service	12.9	26.2	10.3	14.3	3.5	3.8	7.7	8.5	14.1	7.6	9.2
U.S. Geological Survey	572.6	565.0	550.2	552.2	546.2	561.5	573.8	586.4	674.1	661.1	640.0
Department of Justice	67.4	67.7	103.2	68.7	66.1	71.4	123.9	111.9	103.4	118.6	102.3

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Bureau of Prisons	12.0	8.7	9.7	9.4	12.5	12.1	12.7	10.6	10.5	10.8	11.6
Federal Bureau of Investigation	19.0	33.6	42.8	34.0	33.5	34.3	70.8	26.1	14.5	30.0	17.7
Immigration and Naturalization Service	0.9	0.0	na	na	na	na	na	na	na	na	na
Office of Justice Programs	35.5	25.4	50.7	25.3	20.1	25.0	40.4	75.2	78.4	77.8	72.9
Department of Labor	95.5	164.6	176.4	198.2	162.9	94.3	58.8	83.8	71.0	11.9	10.5
Bureau of Labor Statistics	21.5	20.7	20.6	22.4	22.5	22.8	23.7	24.2	0.0	NA	NA
Employee Benefits Security Administration	1.3	0.9	2.1	1.3	1.3	1.6	0.8	1.1	1.1	4.5	4.7
Employment and Training Administration	60.9	137.1	148.0	170.1	133.7	64.1	29.4	53.7	64.2	NA	NA
Occupational Safety and Health Administration	5.7	3.8	3.1	3.3	3.4	3.5	2.9	3.0	3.8	4.8	3.0
Office of the Secretary of Labor	5.4	1.2	1.8	0.2	0.4	0.3	0.3	0.0	0.0	0.0	0.0
Pension Benefit Guaranty Corp.	0.7	0.7	0.9	0.9	1.6	1.9	1.8	1.8	1.9	2.6	2.8
Department of State	1.6	1.6	1.6	2.3	2.6	3.4	3.0	3.0	3.7	2.9	3.3
Department of Transportation	510.6	681.5	584.6	554.6	396.3	866.2	755.5	606.9	525.6	760.5	768.5
Federal Aviation Administration	199.0	295.0	244.0	248.0	226.0	290.0	264.0	201.0	180.0	239.0	211.0
Federal Highway Administration	201.9	209.0	230.0	238.1	73.9	400.1	339.9	259.7	214.9	352.4	320.1
Federal Motor Carrier Safety Administration	5.5	2.0	2.9	4.3	6.6	4.2	12.7	6.6	6.9	6.9	6.9
Federal Railroad Administration	20.4	27.3	26.5	31.8	22.0	57.6	34.7	37.8	39.7	44.0	40.9
Federal Transit Administration	3.7	2.3	3.8	4.4	4.2	6.5	4.0	7.0	6.9	21.7	42.0
National Highway Traffic Safety Administration	46.7	47.1	50.7	7.0	31.7	75.0	66.0	58.7	44.3	64.6	116.0
Office of the Secretary of Transportation	7.0	11.1	15.7	11.0	28.8	15.6	16.2	15.9	19.5	20.3	17.9
Pipeline and Hazardous Materials Safety Administration	na	na	na	10.0	2.2	15.2	15.9	13.3	4.5	7.6	9.7
Research and Innovative Technology Administration	na	na	na	0.0	1.0	2.0	2.0	7.0	9.0	4.0	4.0
Research and Special Programs Administration	7.5	9.0	11.0	na	na	na	na	na	na	na	na
Transportation Security Administration	na	59.0	na	na	na	na	na	na	na	na	na
U.S. Coast Guard	19.0	19.7	na	na	na	na	na	na	na	na	na
Department of the Treasury	65.1	70.7	60.0	62.4	66.4	65.1	63.6	65.5	68.5	68.5	77.6
Bureau of Engraving and Printing	4.7	7.1	4.9	4.2	6.2	6.0	5.3	5.3	3.0	1.2	5.8
Internal Revenue Service	56.6	55.5	54.4	57.3	57.8	55.4	54.8	59.6	64.9	66.3	70.8
Office of Thrift Supervision	0.1	0.1	NA	NA	NA	NA	NA	NA	NA	NA	na
U.S. Customs Service	2.2	7.1	na	na	na	na	na	na	na	na	na
U.S. Mint	0.8	*	0.7	1.0	2.4	3.7	3.5	0.6	0.7	1.1	1.0
U.S. Secret Service	0.7	0.8	na	na	na	na	na	na	na	na	na
Department of Veterans Affairs	345.0	328.8	365.4	405.2	402.0	411.6	446.1	479.6	510.0	581.0	558.9
Other agencies											
Agency for International Development	195.0	202.0	220.0	254.0	260.4	255.0	234.5	123.8	156.2	168.7	119.2
Appalachian Regional Commission	0.7	0.7	0.7	0.6	0.7	0.7	0.6	0.6	1.0	0.6	0.4

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Consumer Product Safety Commission	0.1	0.0	0.0	NA	NA	NA	NA	NA	NA	NA	NA
Environmental Protection Agency	520.0	561.0	550.0	0.2	0.5	0.2	0.5	532.0	552.8	594.7	577.0
Federal Communications Commission	2.7	4.4	4.5	8.5	8.8	7.6	8.5	6.7	7.0	3.7	3.7
Federal Trade Commission	0.7	1.8	2.3	1.6	1.2	1.6	1.5	2.6	2.4	3.0	2.7
Library of Congress	1.8	2.8	3.0	1.2	6.3	7.4	12.0	1.4	0.8	1.2	1.3
National Aeronautics and Space Administration	6,444.0	6,945.0	7,124.1	7,165.5	6,959.4	6,197.4	5,918.6	5,999.6	5,739.1	7,316.0	6,145.5
National Archives and Records Administration	0.1	0.1	0.1	0.1	0.1	0.1	0.1	4.6	4.6	4.6	3.1
National Science Foundation	2,566.0	2,803.0	3,235.0	3,439.0	3,657.0	3,707.0	3,569.0	3,781.0	3,937.0	4,809.0	5,233.0
Nuclear Regulatory Commission	40.0	47.0	38.0	55.0	57.0	59.0	58.8	41.7	74.0	81.0	99.0
Patient-Centered Outcomes Research Trust Fund	na	na	na	na	na	na	na	na	na	na	8.9
Smithsonian Institution	93.0	101.0	98.0	103.0	104.0	113.0	142.0	140.0	151.0	164.0	192.2
Social Security Administration	28.9	27.9	36.8	30.4	35.1	67.8	68.2	54.1	67.9	63.0	53.0
U.S. Agency for Global Media	*	0.3	0.0	1.2	*	0.2	NA	NA	NA	NA	NA

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

**Note(s):**

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 the table. FYs 2009 and 2010 outlays 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.