

TABLE 91. Federal outlays for research and development, by agency: FYs 1991–2001

(Dollars in millions)

Agency	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
All agencies <sup>a</sup>	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	82,705.3
Departments											
Department of Agriculture	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	1,754.3
Agricultural Cooperative Service	2.8	3.4	2.9	3.7	na						
Agricultural Marketing Service	3.7	4.3	4.7	4.6	5.0	4.5	4.5	4.2	4.4	4.8	4.7
Agricultural Research Service	573.5	617.1	643.4	660.0	679.3	672.4	699.5	687.1	733.5	790.4	912.3
Animal and Plant Health Inspection Service	15.7	16.7	17.1	19.2	19.1	18.0	19.8	20.5	20.4	20.6	25.4
Economic Research Service	53.0	57.5	61.5	57.3	52.0	50.1	42.4	55.0	57.8	63.9	66.1
Food Safety and Inspection Service	0.0	0.0	0.0	0.0	0.0	*	*	0.2	0.7	2.3	2.6
Foreign Agricultural Service	0.0	0.0	0.0	0.7	0.9	1.3	1.4	1.4	1.4	1.4	1.4
Forest Service	144.7	174.8	179.3	190.8	193.5	177.9	179.8	188.0	194.0	232.0	250.0
Grain Inspection, Packers, and Stockyards Administration	0.7	1.8	1.8	1.8	1.5	2.5	2.8	2.7	2.7	3.6	6.1
Human Nutrition Information Service	8.9	9.7	7.3	5.3	na						
National Agricultural Statistics Service	3.2	3.5	3.9	3.6	4.2	3.7	3.0	3.3	3.6	3.6	4.3
National Institute of Food and Agriculture <sup>b</sup>	380.1	354.9	379.4	404.1	418.8	403.8	386.5	412.7	424.2	425.4	478.9
Office of International Cooperation and Development	3.1	2.4	2.6	0.0	na						
Rural Business-Cooperative Service	na	na	na	2.4	1.6	1.4	2.5	4.4	3.5	3.1	2.4
Department of Commerce	485.1	622.1	629.6	797.4	863.0	918.1	967.1	994.1	999.8	1,065.6	966.5
Economic Development Administration	1.0	1.1	0.7	0.3	1.0	0.6	0.6	0.6	0.6	0.6	0.6
National Institute of Standards and Technology	135.9	149.1	180.1	225.2	327.4	378.0	424.4	439.8	419.6	412.8	424.9
National Oceanic and Atmospheric Administration	338.0	462.4	439.5	562.6	523.1	528.5	509.3	519.6	547.2	597.1	501.0
National Telecommunications and Information Administration	3.6	4.0	4.2	3.9	6.4	4.5	27.8	25.5	20.3	23.0	21.0
Office of the Secretary	*	*	*	*	*	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Census Bureau	6.6	5.5	5.0	5.4	5.1	6.6	5.1	8.6	12.0	32.0	19.0
Department of Defense <sup>a</sup>	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	40,528.5
Defense agencies and activities	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	7,285.7
Department of the Air Force <sup>a</sup>	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	17,589.5
Department of the Army	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	5,796.7
Department of the Navy	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	9,626.1
Operational Test and Evaluation, Director	22.3	9.4	12.3	11.9	12.4	22.1	21.5	27.8	44.7	32.9	205.3
Test and Evaluation, Deputy Under Secretary of Defense	69.4	229.4	223.2	231.8	234.3	247.1	275.8	250.4	257.3	257.4	25.3
Department of Education	114.5	133.0	173.8	177.2	179.6	172.0	169.1	192.0	201.6	222.4	251.0
Department of Energy	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	6,539.1
Department of Health and Human Services	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	21,002.4
Administration for Children and Families	110.2	35.1	19.3	11.3	12.0	11.9	12.7	15.8	23.1	25.4	26.4
Administration on Aging	20.6	20.2	20.9	19.1	20.7	2.9	4.0	10.4	18.5	1.1	1.6
Agency for Healthcare Research and Quality	11.9	113.5	87.6	111.0	133.0	80.0	110.0	77.0	79.0	50.8	33.5
Agency for Toxic Substances and Disease Registry	na	14.7	13.1								

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Agency	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Alcohol, Drug Abuse, and Mental Health Administration	1,460.6	na	na	na	na	na	na	na	na	na	na
Ctrs. for Disease Control and Prevention	113.4	146.9	162.5	206.8	317.4	296.7	306.0	343.6	433.3	439.0	544.0
Ctrs. for Medicare and Medicaid Services	21.7	63.9	69.5	72.3	72.9	75.4	66.3	51.3	48.1	44.4	53.0
Food and Drug Administration	125.0	135.7	154.5	138.6	131.3	133.3	157.3	142.9	130.8	141.2	149.4
Health Resources and Services Administration	11.0	10.1	9.6	16.4	12.8	11.2	13.1	12.9	12.4	35.6	51.0
National Institutes of Health	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	19,480.7
Office of the Assistant Secretary for Health	18.2	21.7	15.8	0.7	0.6	na	na	na	na	na	na
Office of the Secretary	8.8	5.0	5.2	5.0	3.5	5.0	22.9	7.0	16.6	18.7	15.6
Office of Public Health and Science	na	na	na	na	na	2.0	1.9	2.0	2.6	2.0	1.7
Office of the Assistant Secretary, Planning and Evaluation	na	na	na	na	na	3.0	21.0	5.0	13.9	16.7	13.9
Social Security Administration	11.9	33.4	15.9	22.2	11.3	na	na	na	na	na	na
Substance Abuse and Mental Health Services Administration	na	na	na	na	na	16.7	69.1	273.4	289.3	497.8	634.3
Department of Housing and Urban Development	18.1	23.5	28.4	28.5	38.0	36.2	31.7	31.6	27.5	43.7	64.2
Department of the Interior	535.6	610.6	631.0	637.4	552.3	545.1	566.1	565.3	606.7	579.8	621.1
Bureau of Land Management	8.8	6.3	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bureau of Mines	96.3	113.9	111.8	107.9	0.0	na	na	na	na	na	na
Bureau of Ocean Energy Management, Regulation and Enforcement <sup>c</sup>	2.5	3.4	5.1	18.3	19.8	20.7	20.8	26.8	28.2	29.1	25.9
Bureau of Reclamation	8.7	12.2	9.6	7.4	8.0	6.5	6.8	8.8	10.3	9.8	9.7
National Biological Service	na	na	0.0	110.3	150.7	na	na	na	na	na	na
National Park Service	27.5	31.1	38.1	24.2	19.7	20.2	26.0	29.7	22.5	34.7	12.9
Office of Surface Mining, Reclamation, and Enforcement	1.0	0.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Office of the Secretary	0.6	0.9	0.4	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Fish and Wildlife Service	73.6	76.6	75.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Geological Survey	316.6	365.9	381.2	369.1	354.1	497.6	512.5	499.9	545.7	506.1	572.6
Department of Justice	40.4	42.9	46.2	42.0	49.0	72.7	75.5	73.2	85.3	42.8	67.4
Bureau of Prisons	5.7	5.9	6.1	5.4	5.7	5.2	4.6	8.1	9.3	6.6	12.0
Drug Enforcement Administration	2.8	1.5	1.1	1.7	0.4	1.2	*	0.0	0.0	0.0	0.0
Federal Bureau of Investigation	10.8	10.9	11.3	7.0	10.9	33.5	35.5	35.8	36.3	10.0	19.0
Immigration and Naturalization Service	0.4	0.4	0.4	0.4	0.4	0.2	0.4	0.0	0.2	0.6	0.9
Office of Justice Programs	20.7	24.1	27.2	27.6	31.5	32.6	35.0	29.3	39.5	25.7	35.5
Department of Labor	45.6	70.8	57.8	60.7	51.7	50.1	39.1	25.2	25.8	82.7	95.5
Bureau of Labor Statistics	7.5	7.6	6.9	7.1	13.1	13.3	12.6	12.4	12.4	12.3	21.5
Employee Benefits Security Administration	2.5	2.6	2.6	2.7	3.6	2.3	2.0	2.7	1.8	1.8	1.3
Employment and Training Administration	23.7	51.0	39.2	41.8	23.1	24.6	18.2	4.7	6.1	60.9	60.9
Occupational Safety and Health Administration	2.6	3.1	2.5	3.2	4.3	6.6	5.4	4.6	3.7	5.7	5.7
Office of the Secretary	8.7	5.7	5.4	5.2	6.2	2.6	0.2	0.2	1.0	1.3	5.4
Pension Benefit Guaranty Corp.	0.5	0.9	1.3	0.7	1.4	0.6	0.7	0.6	0.7	0.7	0.7
Department of State	5.9	5.6	5.3	0.4	0.5	1.0	0.6	0.5	1.0	0.9	1.6

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Agency	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Department of Transportation	342.6	394.0	425.2	519.9	634.7	578.8	527.6	516.0	508.4	436.7	510.6
Federal Aviation Administration	199.6	234.9	234.5	247.2	256.8	259.8	218.0	210.5	173.7	217.6	199.0
Federal Highway Administration	86.1	81.2	87.1	174.7	249.6	230.4	215.6	209.3	230.7	106.7	201.9
Federal Motor Carrier Safety Administration	na	0.4	5.5								
Federal Railroad Administration	12.8	20.6	21.6	18.6	21.5	18.5	18.1	22.0	21.1	25.3	20.4
Federal Transit Administration	2.1	1.5	14.3	18.5	33.4	22.4	19.5	10.2	10.6	12.0	3.7
Maritime Administration	1.5	1.7	1.7	1.7	2.3	0.0	0.0	0.0	0.0	0.0	0.0
National Highway Traffic Safety Administration	19.2	24.5	28.3	26.9	41.4	15.0	23.0	33.3	40.3	40.5	46.7
Office of the Secretary	4.7	5.0	4.4	2.5	4.0	2.8	2.0	3.7	3.7	7.5	7.0
Research and Special Programs Administration	2.2	2.3	1.7	4.1	4.9	7.0	8.4	7.2	7.9	7.0	7.5
U.S. Coast Guard	14.5	22.4	31.7	25.5	20.6	22.8	22.9	19.9	20.4	19.8	19.0
Department of the Treasury	30.3	24.4	16.5	18.9	61.4	60.0	59.7	65.1	64.7	60.3	65.1
Bureau of Engraving and Printing	3.5	2.0	3.2	1.7	1.8	1.7	1.7	2.8	2.1	2.8	4.7
Financial Crimes Enforcement Network	1.8	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Internal Revenue Service	17.3	17.3	6.5	11.3	49.7	51.2	50.8	52.0	55.8	53.3	56.6
Office of Thrift Supervision	3.0	0.8	0.7	0.5	0.6	0.5	0.6	0.7	0.1	0.1	0.1
U.S. Customs Service	3.7	2.2	4.0	4.5	8.5	6.2	6.1	9.0	5.3	1.8	2.2
U.S. Mint	0.5	0.0	*	0.4	0.3	0.0	*	0.1	0.8	1.3	0.8
U.S. Secret Service	0.4	0.5	0.6	0.5	0.5	0.5	0.4	0.5	0.5	1.0	0.7
Department of Veterans Affairs	213.4	202.1	246.0	240.8	251.1	232.1	234.9	246.9	339.1	341.7	345.0
Other agencies											
Advisory Commission on Intergovernmental Relations	1.2	1.5	2.1	1.4	1.4	na	na	na	na	na	na
Agency for International Development	344.0	205.9	321.7	372.6	256.8	251.0	206.4	212.0	203.0	179.0	195.0
Appalachian Regional Commission	0.7	1.9	0.9	0.9	0.9	0.9	0.9	0.7	0.8	0.6	0.7
Broadcasting Board of Governors	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	*
Consumer Product Safety Commission	1.3	1.2	1.2	0.4	0.4	0.1	0.1	*	0.0	0.0	0.1
Environmental Protection Agency	400.1	411.9	495.2	553.5	492.5	476.3	515.0	503.0	532.0	472.0	520.0
Federal Communications Commission	1.4	1.6	1.6	1.7	2.3	2.8	3.1	3.0	4.5	2.8	2.7
Federal Trade Commission	1.0	1.3	0.9	0.7	0.6	0.5	0.7	1.1	1.3	0.7	0.7
Library of Congress	8.6	10.0	10.7	12.5	7.7	11.0	2.5	1.6	2.1	2.2	1.8
National Aeronautics and Space Administration	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	6,444.0
National Archives and Records Administration	0.7	0.7	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1
National Science Foundation	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	2,566.0
Nuclear Regulatory Commission	107.5	116.5	119.6	92.4	88.8	75.2	67.5	54.3	48.0	47.0	40.0
Smithsonian Institution	94.0	94.2	96.0	121.2	119.0	121.0	123.0	113.0	86.0	93.0	93.0
Social Security Administration	na	na	na	na	na	11.5	13.6	17.4	53.3	28.8	28.9

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Agency	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Tennessee Valley Authority	68.6	98.8	108.6	97.9	93.1	6.1	8.9	2.7	0.0	0.0	0.0
U.S. Arms Control and Disarmament Agency	0.4	2.1	1.5	1.3	1.1	0.7	1.2	1.2	0.0	0.0	0.0
U.S. Information Agency	0.2	0.2	0.2	0.6	0.3	0.1	0.2	0.2	0.1	na	na
U.S. International Trade Commission	9.9	12.3	12.2	9.4	12.2	3.2	5.7	7.2	9.7	0.0	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.

<sup>a</sup> 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.

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

<sup>c</sup> Minerals Management Service changed its name to Bureau of Ocean Energy Management, Regulation and Enforcement in FY 2010.

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 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. 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.