

TABLE 99. Federal outlays for research and development, by agency: FY 1997–2007

(Dollars in millions)

Agency	1997	1998	1999	2000	2001	2002	2003	2004	2005	Preliminary	
										2006	2007
All agencies	68,897.9	70,631.9	70,585.2	69,807.4	75,335.7	80,712.5	89,780.7	94,695.6	102,820.1	106,574.3	106,303.7
Departments											
Department of Agriculture	1,342.2	1,379.5	1,446.2	1,551.2	1,754.3	1,919.1	1,966.3	2,048.2	2,132.1	2,138.4	1,967.4
Agricultural Marketing Service	4.5	4.2	4.4	4.8	4.7	5.2	4.7	8.4	9.4	10.4	8.1
Agricultural Research Service	699.5	687.1	733.5	790.4	912.3	1,039.4	1,039.0	1,098.7	1,117.3	1,125.2	1,001.2
Animal and Plant Health Inspection Service	19.8	20.5	20.4	20.6	25.4	23.7	28.0	24.4	24.4	27.7	27.3
Cooperative State Research, Education, and Extension Service	386.5	412.7	424.2	425.4	478.9	487.6	503.1	506.8	563.5	571.2	515.0
Economic Research Service	42.4	55.0	57.8	63.9	66.1	69.9	70.3	65.7	74.6	76.0	82.0
Food Safety Inspection Service	*	0.2	0.7	2.3	2.6	0.0	0.0	0.0	0.0	0.0	0.0
Foreign Agricultural Service	1.4	1.4	1.4	1.4	1.4	1.4	1.6	1.6	1.5	1.5	1.5
Forest Service	179.8	188.0	194.0	232.0	250.0	277.0	305.0	326.0	325.0	309.0	317.0
Grain Inspection, Packers, and Stockyards Administration	2.8	2.7	2.7	3.6	6.1	6.0	5.3	6.7	6.7	7.2	7.6
National Agricultural Statistics Service	3.0	3.3	3.6	3.6	4.3	4.6	5.5	6.1	6.1	6.1	6.2
Rural Business-Cooperative Service	2.5	4.4	3.5	3.1	2.4	4.2	3.8	3.8	3.6	4.1	1.6
Department of Commerce	967.1	994.1	999.8	1,065.6	966.5	1,113.7	1,155.2	1,076.4	707.7	628.5	688.4
Economic Development Administration	0.6	0.6	0.6	0.6	0.6	0.4	0.5	0.2	0.5	0.5	0.0
National Institute of Standards and Technology	424.4	439.8	419.6	412.8	424.9	413.3	459.2	508.8	440.6	389.5	441.6
National Oceanic and Atmospheric Administration	509.3	519.6	547.2	597.1	501.0	651.3	652.0	519.0	240.2	207.1	211.2
National Telecommunications and Information Administration	27.8	25.5	20.3	23.0	21.0	26.0	23.5	24.2	3.5	5.4	6.5
U.S. Census Bureau	5.1	8.6	12.0	32.0	19.0	22.7	19.9	24.2	23.0	26.0	29.0
Department of Defense	35,646.6	35,490.6	33,687.3	31,428.8	33,158.9	34,077.8	39,216.4	42,498.2	53,386.3	55,687.1	55,530.0
Defense agencies and activities	7,177.3	8,038.4	6,188.5	5,608.5	7,285.7	10,196.9	11,741.1	11,074.2	17,056.7	16,951.8	16,218.6
Department of the Air Force	14,886.7	14,242.5	13,899.4	11,726.8	10,219.9	6,571.2	7,747.7	9,232.4	9,990.1	10,242.5	10,937.5
Materiel Command	na	na	na	na	na	4,396.9	5,199.7	6,236.9	7,153.4	7,497.9	7,480.4
Space Command	na	na	na	na	na	2,174.3	2,548.0	2,995.5	2,836.7	2,744.5	3,457.1
Department of the Army	4,885.2	4,916.3	5,067.8	4,820.1	5,796.7	6,619.8	7,092.1	6,954.2	9,847.2	10,631.9	10,774.0
Department of the Navy	8,400.2	8,015.2	8,229.7	8,983.2	9,626.1	10,494.5	12,392.4	14,932.4	16,172.3	17,684.5	17,419.5
Operational Test and Evaluation, Director	21.5	27.8	44.7	32.9	205.3	195.5	243.1	305.0	320.1	176.3	180.4
Test and Evaluation, Deputy Under Secretary of Defense	275.8	250.4	257.3	257.4	25.3	na	na	na	na	na	na
Department of Education	169.1	192.0	201.6	222.4	251.0	243.1	315.6	226.9	264.3	519.1	352.8
Department of Energy	5,678.6	5,876.7	6,035.0	6,067.6	6,539.1	7,010.3	7,372.7	7,475.8	7,760.2	7,694.1	7,959.8
Bonneville Power Administration	NA	NA	NA	NA	NA	22.9	23.3	24.0	11.3	11.6	16.1

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Civilian Radioactive Waste Management	NA	NA	NA	NA	NA	62.5	75.8	74.1	74.1	45.0	59.9
Electricity Delivery and Energy Restoration	NA	NA	NA	NA	NA	NA	NA	NA	71.8	112.6	85.5
Energy Efficiency and Renewable Energy	NA	NA	NA	NA	NA	734.9	682.3	583.9	569.1	438.5	591.0
Environmental Management	NA	NA	NA	NA	NA	160.3	69.4	42.8	49.8	25.7	19.2
Fossil Energy	NA	NA	NA	NA	NA	471.3	639.8	499.5	532.7	503.9	364.2
National Nuclear Security Administration	NA	NA	NA	NA	NA	3,299.4	3,448.3	3,579.4	3,624.9	3,561.9	3,493.0
Defense Programs	NA	NA	NA	NA	NA	2,372.7	2,576.7	2,727.4	2,732.9	2,593.6	2,506.5
Fissile Materials Disposition	NA	NA	NA	NA	NA	22.0	16.6	1.0	0.0	0.0	0.0
Naval Reactors	NA	NA	NA	NA	NA	639.3	631.5	687.8	746.6	719.5	737.7
Nonproliferation and Verification	NA	NA	NA	NA	NA	265.4	223.5	163.3	145.5	248.8	248.8
Nuclear Energy	NA	NA	NA	NA	NA	28.2	43.0	79.3	82.8	95.4	85.1
Office of Intelligence	NA	NA	NA	NA	NA	5.2	4.0	0.0	0.0	0.0	0.0
Office of Science	NA	NA	NA	NA	NA	2,225.5	2,386.7	2,592.8	2,743.7	2,899.5	3,245.8
Department of Health and Human Services	11,337.2	12,826.9	14,056.8	18,187.1	21,002.4	23,647.8	26,499.3	27,834.6	28,432.3	28,447.9	28,541.1
Administration for Children and Families	12.7	15.8	23.1	25.4	26.4	21.7	19.4	18.7	38.6	39.4	40.2
Administration on Aging	4.0	10.4	18.5	1.1	1.6	2.1	4.0	3.0	2.0	3.0	2.1
Agency for Healthcare Research and Quality	110.0	77.0	79.0	50.8	33.5	0.0	0.0	0.0	0.0	0.0	0.0
Agency for Toxic Substances and Disease Registry	na	na	na	14.7	13.1	12.4	14.3	10.7	9.5	11.8	10.9
Centers for Disease Control and Prevention	306.0	343.6	433.3	439.0	544.0	521.0	564.0	539.8	510.8	544.6	534.2
Centers for Medicare and Medicaid Services	66.3	51.3	48.1	44.4	53.0	72.9	73.6	89.0	89.0	92.0	73.0
Food and Drug Administration	157.3	142.9	130.8	141.2	149.4	119.4	149.5	127.5	136.9	140.9	137.4
Health Resources and Services Administration	13.1	12.9	12.4	35.6	51.0	54.1	439.2	47.4	52.9	22.1	22.1
National Institutes of Health	10,575.9	11,892.5	13,005.7	16,918.3	19,480.7	22,110.1	25,156.4	26,890.4	27,500.3	27,568.9	27,695.9
Office of the Secretary	22.9	7.0	16.6	18.7	15.6	16.5	21.7	21.1	24.8	25.3	25.3
Office of Public Health and Science	1.9	2.0	2.6	2.0	1.7	1.6	1.8	0.0	0.0	0.0	0.0
Office of the Assistant Secretary, Planning and Evaluation	21.0	5.0	13.9	16.7	13.9	14.9	19.9	21.1	24.8	25.3	25.3
Substance Abuse and Mental Health Services Administration	69.1	273.4	289.3	497.8	634.3	717.6	57.2	87.2	67.6	0.0	0.0
Department of Homeland Security	na	na	na	na	na	na	NA	535.9	966.4	1,495.2	988.3
Science and Technology Directorate	na	na	na	na	na	na	NA	377.0	774.5	1,480.9	971.5
Transportation Security Administration	na	na	na	na	na	na	NA	137.9	180.5	0.0	0.0
U.S. Coast Guard	na	na	na	na	na	na	NA	20.1	10.4	13.4	15.8
U.S. Secret Service	na	na	na	na	na	na	NA	1.0	1.0	0.9	1.0
Department of Housing and Urban Development	31.7	31.6	27.5	43.7	64.2	57.7	54.3	43.2	47.9	41.0	41.5
Department of the Interior	566.1	565.3	606.7	579.8	621.1	631.1	597.4	604.6	589.7	599.0	570.3
Bureau of Reclamation	6.8	8.8	10.3	9.8	9.7	10.4	9.5	10.9	12.7	10.7	9.2

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Geological Survey	512.5	499.9	545.7	506.1	572.6	565.0	550.2	552.2	546.2	558.6	532.1
Minerals Management Service	20.8	26.8	28.2	29.1	25.9	29.6	27.4	27.2	27.2	25.9	25.5
National Park Service ^a	26.0	29.7	22.5	34.7	12.9	26.2	10.3	14.3	3.5	3.8	3.5
Department of Justice	75.5	73.2	85.3	42.8	67.4	67.7	103.2	68.7	66.1	65.6	101.3
Bureau of Prisons	4.6	8.1	9.3	6.6	12.0	8.7	9.7	9.4	12.5	8.9	9.2
Drug Enforcement Administration	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Federal Bureau of Investigation	35.5	35.8	36.3	10.0	19.0	33.6	42.8	34.0	33.5	34.3	70.8
Immigration and Naturalization Service	0.4	0.0	0.2	0.6	0.9	0.0	na	na	na	na	na
Office of Justice Programs	35.0	29.3	39.5	25.7	35.5	25.4	50.7	25.3	20.1	22.5	21.3
Department of Labor	39.1	25.2	25.8	82.7	95.5	164.6	176.4	198.2	162.9	330.5	270.0
Bureau of Labor Statistics	12.6	12.4	12.4	12.3	21.5	20.7	20.6	22.4	22.5	22.8	23.6
Employee Benefits Security Administration	2.0	2.7	1.8	1.8	1.3	0.9	2.1	1.3	1.3	1.3	1.3
Employment and Training Administration	18.2	4.7	6.1	60.9	60.9	137.1	148.0	170.1	133.7	300.4	239.2
Occupational Safety and Health Administration	5.4	4.6	3.7	5.7	5.7	3.8	3.1	3.3	3.4	3.4	3.5
Office of the Secretary	0.2	0.2	1.0	1.3	5.4	1.2	1.8	0.2	0.4	0.7	0.5
Pension Benefit Guaranty Corporation	0.7	0.6	0.7	0.7	0.7	0.7	0.9	0.9	1.6	1.9	1.9
Department of State	0.6	0.5	1.0	0.9	1.6	1.6	1.6	2.3	2.6	2.8	3.4
Department of Transportation	527.6	516.0	508.4	436.7	510.6	681.5	584.6	554.6	396.3	608.7	577.9
Federal Aviation Administration	218.0	210.5	173.7	217.6	199.0	295.0	244.0	248.0	226.0	320.0	299.0
Federal Highway Administration	215.6	209.3	230.7	106.7	201.9	209.0	230.0	238.1	73.9	134.9	134.9
Federal Motor Carrier Safety Administration	na	na	na	0.4	5.5	2.0	2.9	4.3	6.6	8.0	12.5
Federal Railroad Administration	18.1	22.0	21.1	25.3	20.4	27.3	26.5	31.8	22.0	56.6	45.4
Federal Transit Administration	19.5	10.2	10.6	12.0	3.7	2.3	3.8	4.4	4.2	5.7	8.3
National Highway Traffic Safety Administration	23.0	33.3	40.3	40.5	46.7	47.1	50.7	7.0	31.7	53.1	49.9
Office of the Secretary	2.0	3.7	3.7	7.5	7.0	11.1	15.7	11.0	28.8	27.3	21.9
Pipeline and Hazardous Materials Safety Administration	8.4	7.2	7.9	7.0	7.5	9.0	11.0	10.0	2.2	2.2	2.1
Research and Innovative Technology Administration	na	na	na	na	na	na	na	0.0	1.0	1.0	4.0
Transportation Security Administration	na	na	na	na	na	59.0	na	na	na	na	na
U.S. Coast Guard	22.9	19.9	20.4	19.8	19.0	19.7	na	na	na	na	na
Department of the Treasury	59.7	65.1	64.7	60.3	65.1	70.7	60.0	62.4	66.4	71.7	72.4
Bureau of Engraving and Printing	1.7	2.8	2.1	2.8	4.7	7.1	4.9	4.2	6.2	8.4	7.6
Internal Revenue Service	50.8	52.0	55.8	53.3	56.6	55.5	54.4	57.3	57.8	59.6	60.8
Office of Thrift Supervision	0.6	0.7	0.1	0.1	0.1	0.1	0.0	na	na	na	na
U.S. Customs Service	6.1	9.0	5.3	1.8	2.2	7.1	na	na	na	na	na
U.S. Mint	*	0.1	0.8	1.3	0.8	*	0.7	1.0	2.4	3.7	3.9
U.S. Secret Service	0.4	0.5	0.5	1.0	0.7	0.8	na	na	na	na	na

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Agency	1997	1998	1999	2000	2001	2002	2003	2004	2005	Preliminary	
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Department of Veterans Affairs	234.9	246.9	339.1	341.7	345.0	328.8	365.4	405.2	402.0	411.6	411.6
Other agencies											
Agency for International Development	206.4	212.0	203.0	179.0	195.0	202.0	220.0	254.0	260.4	258.0	258.0
Appalachian Regional Commission	0.9	0.7	0.8	0.6	0.7	0.7	0.7	0.6	0.7	0.7	0.6
Broadcasting Board of Governors	na	na	na	0.1	*	0.3	0.0	1.2	*	0.3	0.2
Consumer Product Safety Commission	0.1	*	0.0	0.0	0.1	0.0	0.0	na	na	na	na
Environmental Protection Agency	515.0	503.0	532.0	472.0	520.0	561.0	550.0	0.2	0.5	0.6	0.5
Federal Communications Commission	3.1	3.0	4.5	2.8	2.7	4.4	4.5	8.5	8.8	6.8	7.3
Federal Trade Commission	0.7	1.1	1.3	0.7	0.7	1.8	2.3	1.6	1.2	1.6	1.9
Library of Congress	2.5	1.6	2.1	2.2	1.8	2.8	3.0	1.2	6.3	8.6	6.3
National Aeronautics and Space Administration	9,273.0	9,421.0	9,415.0	6,424.0	6,444.0	6,945.0	7,124.1	7,165.5	6,959.4	7,307.3	7,672.7
National Archives and Records Administration	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
National Science Foundation	2,000.0	2,010.0	2,144.0	2,446.0	2,566.0	2,803.0	3,235.0	3,439.0	3.7	3.9	3.9
Nuclear Regulatory Commission	67.5	54.3	48.0	47.0	40.0	47.0	38.0	55.0	57.0	59.0	59.0
Smithsonian Institution	123.0	113.0	86.0	93.0	93.0	101.0	98.0	103.0	104.0	122.0	127.0
Social Security Administration	13.6	17.4	53.3	28.8	28.9	27.9	36.8	30.4	35.1	64.2	90.0
Tennessee Valley Authority	8.9	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Arms Control and Disarmament Agency	1.2	1.2	na	na	na	na	na	na	na	na	na
U.S. Information Agency	0.2	0.2	0.1	na	na	na	na	na	na	na	na
U.S. International Trade Commission	5.7	7.2	9.7	0.0	0.0	0.0	0.0	0.0	0.0	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.

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

^a Obligations for FY 2005–07 are for National Park Service's (NPS) natural resources program only; data for NPS cultural resources program were not available for this survey cycle.

NOTES: Because of rounding, detail may not add to total. Data for 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; and National Institutes of Health reclassified all its development activities as research. In FY 2003, Substance Abuse and Mental Health Services Administration reclassified some of its funding categories that were considered R&D in prior years. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2005, 2006, and 2007.