

TABLE 93. Federal outlays for research, development, and R&amp;D plant, by agency: FY 2000–10

(Dollars in millions)

Agency	2000	2001	2002	2003	2004	2005	2006	2007	2008	Preliminary	
										2009	2010
All agencies <sup>a</sup>	81,167.3 r	87,061.8 r	92,685.9 r	104,337.1 r	109,030.5 r	121,230.1 r	118,908.6 r	123,998.3 r	125,125.3	114,649.5	108,334.2
Departments											
Department of Agriculture	1,659.6	1,869.5	2,026.1	2,043.4	2,161.4	2,281.5	2,369.5	2,433.5	2,401.8	2,370.4	2,435.8
Agricultural Marketing Service	4.8	4.7	5.2	4.7	8.4	9.4	6.3	6.4	3.8	3.9	1.3
Agricultural Research Service	886.8	1,014.6	1,131.4	1,100.0	1,192.9	1,248.7	1,305.7	1,293.7	1,275.4	1,181.5	1,296.3
Animal and Plant Health Inspection Service	20.6	25.4	23.7	28.0	24.4	24.4	25.5	26.0	28.4	29.5	30.1
Cooperative State Research, Education, and Extension Service	425.4	478.9	487.6	503.1	506.8	563.5	586.0	621.8	639.3	701.7	639.8
Economic Research Service	63.9	66.1	69.9	70.3	65.7	74.6	72.8	90.6	77.8	81.3	86.3
Food Safety Inspection Service	2.3	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Foreign Agricultural Service	1.4	1.4	1.4	1.6	1.6	1.5	0.9	0.6	0.4	0.4	0.4
Forest Service	244.0	263.0	292.0	321.0	345.0	343.0	354.5	360.0	358.9	354.5	363.8
Grain Inspection, Packers, and Stockyards Administration	3.6	6.1	6.0	5.3	6.7	6.7	7.1	6.7	6.6	6.5	6.4
National Agricultural Statistics Service	3.6	4.3	4.6	5.5	6.1	6.1	6.5	6.8	6.9	7.2	7.1
Rural Business-Cooperative Service	3.1	2.4	4.2	3.8	3.8	3.6	4.1	21.0	4.2	3.8	4.4
Department of Commerce	1,086.3	1,015.8	1,232.6	1,248.2	1,156.6	747.5	710.2	1,059.3	1,165.9	1,705.0	1,349.6
Economic Development Administration	0.6	0.6	0.4	0.5	0.2	0.5	0.2	0.8	20.7	28.9	0.0
National Institute of Standards and Technology	433.6	474.2	532.2	536.6	558.1	478.5	467.1	457.5	493.2	790.4	678.3
National Oceanic and Atmospheric Administration	597.1	501.0	651.3	667.8	550.0	242.1	215.5	573.7	627.1	853.6	637.4
National Telecommunications and Information Administration	23.0	21.0	26.0	23.5	24.2	3.5	5.3	5.3	0.3	6.6	1.4
U.S. Census Bureau	32.0	19.0	22.7	19.9	24.2	23.0	22.0	22.0	24.7	25.6	32.5
Department of Defense <sup>a</sup>	38,559.0 r	40,590.1 r	42,032.3 r	49,852.1 r	53,165.3 r	64,521.6 r	63,817.6 r	68,708.7 r	68,861.8	54,646.6	45,226.9
Defense agencies and activities	5,611.3	7,287.9	10,479.1	11,879.0	11,140.8	17,133.7	14,005.4	14,722.8	15,559.8	15,113.1	14,003.2
Department of the Air Force <sup>a</sup>	18,819.4 r	17,599.3 r	14,161.8 r	18,153.0 r	19,721.4 r	20,950.8 r	21,445.9 r	24,498.1 r	24,213.6	10,549.3	9,542.8
Department of the Army	4,821.7	5,797.0	6,619.9	7,092.1	6,954.2	9,847.2	10,662.1	10,360.0	11,057.1	11,313.9	10,511.0
Department of the Navy	9,016.3	9,675.4	10,576.2	12,484.9	15,043.8	16,269.8	17,442.7	18,934.7	17,851.0	17,491.6	10,985.0
Operational Test and Evaluation, Director	32.9	205.3	195.5	243.1	305.0	320.1	261.6	193.1	180.3	178.5	185.0
Test and Evaluation, Deputy Under Secretary of Defense	257.4	25.3	na	na	na	na	na	na	na	na	na
Department of Education	222.4	251.0	243.1	315.6	226.9	264.3	254.5	271.2	286.8	311.7	444.0
Department of Energy	6,874.2	7,415.6	8,034.6	8,424.5	8,501.7	8,607.0	8,213.1	8,444.0	8,856.6	9,446.5	10,244.1
Bonneville Power Administration	NA	NA	22.9	23.3	24.0	11.3	10.7	11.1	13.7	7.1	7.3
Civilian Radioactive Waste Management	NA	NA	62.5	75.8	74.1	74.1	52.9	10.5	8.4	1.7	0.0
Electricity Delivery and Energy Reliability	NA	NA	NA	NA	NA	71.8	108.3	54.4	89.4	79.1	107.4
Energy Efficiency and Renewable Energy	NA	NA	739.8	688.5	603.6	593.9	456.7	648.2	794.0	850.0	963.3
Environmental Management	NA	NA	160.3	69.4	42.8	49.8	34.0	32.0	35.8	30.2	70.0
Fossil Energy	NA	NA	480.5	642.7	505.5	538.8	386.1	430.6	325.0	412.2	374.1
National Nuclear Security Administration	NA	NA	3,711.7	3,895.1	4,005.3	3,925.0	3,858.1	3,794.1	3,999.3	3,693.5	3,833.3

TABLE 93. Federal outlays for research, development, and R&amp;D plant, by agency: FY 2000–10

(Dollars in millions)

Agency	2000	2001	2002	2003	2004	2005	2006	2007	2008	Preliminary	
										2009	2010
Defense Programs	NA	NA	2,770.0	2,996.7	3,135.1	3,001.3	2,865.2	2,827.8	2,939.4	2,608.2	2,691.1
Fissile Materials Disposition	NA	NA	22.0	16.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0
Naval Reactors	NA	NA	654.4	658.3	706.0	778.3	749.6	761.4	760.9	770.2	879.6
Nonproliferation and Verification	NA	NA	265.4	223.5	163.3	145.5	243.3	204.8	299.0	315.1	262.7
Nuclear Energy	NA	NA	28.2	43.0	79.3	82.8	89.0	80.9	133.1	116.0	398.0
Office of Intelligence	NA	NA	5.2	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Office of Science	NA	NA	2,823.4	2,982.7	3,167.0	3,259.6	3,217.3	3,382.2	3,457.9	4,256.8	4,490.7
Department of Health and Human Services	18,406.8	21,296.7	23,892.1	27,316.4	28,263.2	28,861.7	28,799.4	29,261.3	29,268.4	30,527.5	30,977.9
Administration for Children and Families	25.4	26.4	21.7	19.4	18.7	38.6	13.4	11.8	19.2	19.6	20.0
Administration on Aging	1.1	1.6	2.1	4.0	3.0	2.0	3.0	3.0	0.0	0.0	0.0
Agency for Healthcare Research and Quality	50.8	33.5	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	14.7	13.1	12.4	14.3	10.7	9.5	9.0	4.2	4.3	4.5	3.9
Centers for Disease Control and Prevention	439.0	544.0	521.0	564.0	539.8	510.8	688.5	678.7	413.7	457.7	436.0
Centers for Medicare and Medicaid Services	44.4	53.0	72.9	73.6	89.0	89.0	62.4	86.0	69.8	57.4	50.3
Food and Drug Administration	143.8	152.4	129.7	158.1	134.0	140.0	139.8	130.2	138.0	163.9	206.3
Health Resources and Services Administration	36.2	51.6	54.7	439.5	48.0	53.4	24.1	23.9	62.3	57.0	57.2
National Institutes of Health	17,134.8	19,771.3	22,343.5	25,964.6	27,311.8	27,926.0	27,778.1	28,257.4	28,539.6	29,746.7	30,183.5
Office of the Secretary	18.7	15.6	16.5	21.7	21.1	24.8	26.8	24.5	21.5	20.7	20.7
Office of Public Health and Science	2.0	1.7	1.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Office of the Assistant Secretary, Planning and Evaluation	16.7	13.9	14.9	19.9	21.1	24.8	26.8	24.5	21.5	20.7	20.7
Substance Abuse and Mental Health Services Administration	497.8	634.3	717.6	57.2	87.2	67.6	54.3	41.8	0.0	0.0	0.0
Department of Homeland Security	na	na	na	NA	592.3	1,027.6	1,713.9	1,181.3	1,009.3	1,180.2	1,201.0
Science and Technology Directorate	na	na	na	NA	432.4	834.7	1,677.0	1,153.0	993.0	1,160.0	1,183.0
Transportation Security Administration	na	na	na	NA	137.9	180.5	12.2	3.8	0.0	0.0	0.0
U.S. Coast Guard	na	na	na	NA	21.1	11.4	23.8	23.7	15.6	20.2	18.0
U.S. Secret Service	na	na	na	NA	1.0	1.0	1.0	0.8	0.7	0.0	0.0
Department of Housing and Urban Development	43.7	64.2	57.7	54.3	43.2	47.9	42.0	32.5	32.5	36.4	58.5
Department of the Interior	581.2	623.2	633.2	600.9	612.2	597.0	607.6	625.7	644.4	663.8	706.1
Bureau of Reclamation	9.8	9.7	10.4	11.0	16.3	17.3	11.1	15.5	15.2	12.8	12.8
Minerals Management Service	30.5	28.0	31.7	29.5	29.5	29.9	31.2	28.7	34.3	39.4	44.0
National Park Service	34.7	12.9	26.2	10.3	14.3	3.5	3.8	7.7	8.5	0.0	0.0
U.S. Geological Survey	506.1	572.6	565.0	550.2	552.2	546.2	561.5	573.8	586.4	611.6	649.3
Department of Justice	42.8	67.4	67.7	103.2	68.7	66.1	71.4	123.9	112.9	124.6	130.8
Bureau of Prisons	6.6	12.0	8.7	9.7	9.4	12.5	12.1	12.7	10.6	10.5	10.8
Federal Bureau of Investigation	10.0	19.0	33.6	42.8	34.0	33.5	34.3	70.8	26.1	14.5	30.0
Immigration and Naturalization Service	0.6	0.9	0.0	na	na						
Office of Justice Programs	25.7	35.5	25.4	50.7	25.3	20.1	25.0	40.4	76.2	99.6	90.0

TABLE 93. Federal outlays for research, development, and R&amp;D plant, by agency: FY 2000–10

(Dollars in millions)

Agency	2000	2001	2002	2003	2004	2005	2006	2007	2008	Preliminary	
										2009	2010
Department of Labor	82.7	95.5	164.6	176.4	198.2	162.9	94.3	59.3	84.4	80.1	121.5
Bureau of Labor Statistics	12.3	21.5	20.7	20.6	22.4	22.5	22.8	23.7	24.2	25.8	29.0
Employee Benefits Security Administration	1.8	1.3	0.9	2.1	1.3	1.3	1.6	0.8	1.1	1.1	1.1
Employment and Training Administration	60.9	60.9	137.1	148.0	170.1	133.7	64.1	29.4	53.7	46.0	85.0
Occupational Safety and Health Administration	5.7	5.7	3.8	3.1	3.3	3.4	3.5	3.4	3.6	4.5	4.7
Office of the Secretary	1.3	5.4	1.2	1.8	0.2	0.4	0.3	0.3	0.0	0.0	0.0
Pension Benefit Guaranty Corporation	0.7	0.7	0.7	0.9	0.9	1.6	1.9	1.8	1.8	2.7	1.7
Department of State	0.9	1.6	1.6	1.6	2.3	2.6	3.4	3.0	3.0	3.2	1.3
Department of Transportation	449.6	515.4	732.9	592.0	569.4	412.1	884.3	775.3	625.8	737.0	724.1
Federal Aviation Administration	230.2	203.0	309.0	250.0	262.0	241.0	307.0	282.0	218.0	301.0	332.0
Federal Highway Administration	106.7	201.9	209.0	230.0	238.1	73.9	400.1	339.9	259.7	241.8	245.3
Federal Motor Carrier Safety Administration	0.4	5.5	2.0	2.9	4.3	6.6	4.2	12.7	6.6	6.9	6.1
Federal Railroad Administration	25.3	21.0	28.4	27.9	32.6	22.8	58.7	36.6	39.6	32.2	37.4
Federal Transit Administration	12.0	3.7	2.3	3.8	4.4	4.2	6.5	4.0	7.0	10.0	12.0
National Highway Traffic Safety Administration	40.5	46.7	47.1	50.7	7.0	31.7	75.0	66.0	58.7	85.9	59.8
Office of the Secretary	7.5	7.0	11.1	15.7	11.0	28.8	15.6	16.2	15.9	41.6	14.2
Pipeline and Hazardous Materials Safety Administration	0.0	0.0	0.0	0.0	10.0	2.2	15.2	15.9	13.3	8.7	8.4
Research and Innovative Technology Administration	na	na	na	na	0.0	1.0	2.0	2.0	7.0	9.0	9.0
Research and Special Programs Administration	7.0	7.5	9.0	11.0	na	na	na	na	na	na	na
Transportation Security Administration	na	na	95.0	na	na						
U.S. Coast Guard	20.0	19.3	20.0	na	na						
Department of the Treasury	60.4	65.1	70.7	60.0	62.4	66.4	65.1	63.6	65.5	71.4	75.2
Bureau of Engraving and Printing	2.8	4.7	7.1	4.9	4.2	6.2	6.0	5.3	5.3	5.9	4.4
Internal Revenue Service	53.3	56.6	55.5	54.4	57.3	57.8	55.4	54.8	59.6	64.9	70.6
Office of Thrift Supervision	0.1	0.1	0.1	0.0	na	na	na	na	na	na	na
U.S. Customs Service	1.9	2.2	7.1	na	na						
U.S. Mint	1.3	0.8	*	0.7	1.0	2.4	3.7	3.5	0.6	0.7	0.2
U.S. Secret Service	1.0	0.7	0.8	na	na						
Department of Veterans Affairs	342.0	345.3	329.2	365.7	405.6	402.3	412.0	446.5	480.0	510.0	581.0
Other agencies											
Agency for International Development	179.0	195.0	202.0	220.0	254.0	260.4	255.0	234.5	123.8	158.2	161.4
Appalachian Regional Commission	0.6	0.7	0.7	0.7	0.6	0.7	0.7	0.6	0.6	0.6	0.6
Broadcasting Board of Governors	0.1	*	0.3	0.0	1.2	*	0.2	na	na	na	na
Consumer Product Safety Commission	0.0	0.1	0.0	0.0	na	na	na	na	na	na	na
Environmental Protection Agency	492.0	550.0	561.0	550.0	0.2	0.5	0.2	0.5	532.0	566.4	606.7
Federal Communications Commission	2.8	2.7	4.4	4.5	8.5	8.8	7.6	8.5	6.7	7.0	4.7
Federal Trade Commission	0.7	0.7	1.8	2.3	1.6	1.2	1.6	1.5	2.6	2.4	1.9
General Services Administration	0.1	0.6	*	0.0	0.0	0.0	0.0	na	na	na	na

TABLE 93. Federal outlays for research, development, and R&D plant, by agency: FY 2000–10

(Dollars in millions)

Agency	2000	2001	2002	2003	2004	2005	2006	2007	2008	Preliminary	
										2009	2010
Library of Congress	2.2	1.8	2.8	3.0	1.2	6.3	7.4	12.0	1.4	1.0	0.9
National Aeronautics and Space Administration	9,291.0	9,167.0	9,142.0	8,719.9	8,746.3	8,656.6	6,209.6	5,930.3	6,071.7	6,375.3	6,694.1
National Archives and Records Administration	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	4.6	4.6	4.6
National Science Foundation	2,616.0	2,762.0	3,074.0	3,507.0	3,796.0	4,025.0	4,102.0	4,022.0	4,205.0	4,831.0	6,269.0
Nuclear Regulatory Commission	47.0	40.0	47.0	38.0	55.0	57.0	59.0	58.8	41.7	0.0	0.0
Smithsonian Institution	95.5	95.5	103.5	100.5	106.0	110.0	139.0	172.0	182.0	204.0	229.0
Social Security Administration	28.8	28.9	27.9	36.8	30.4	35.1	67.8	68.2	54.1	84.8	83.4
U.S. Information Agency	na	na									
U.S. International Trade Commission	0.0	0.0	0.0	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. r = significantly revised; replaces previously published data.

<sup>a</sup> Beginning in FY 2000, Department of the Air Force (AF) did not report Budget Activity (BA) 6.7 Operational Systems Development data because the agency misunderstood reporting requirements. During the 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. AF did not include BA 6.7 Operational Systems Development in preliminary FY 2009 and FY 2010 data; therefore these data are not comparable to FY 2008 (actual) data.

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. In FY 2003, Substance Abuse and Mental Health Services Administration reclassified some of its funding categories that were considered R&D in prior years. Transportation Security Laboratory (TSL) initially existed under Transportation Security Administration (TSA) of Department of Homeland Security (DHS), but in the 2005 DHS reorganization, TSL was moved from TSA to Science and Technology Directorate. 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: FY 2008–10.