

TABLE 101. Federal obligations for research and development, by agency: FY 2000–10

(Dollars in millions)

Agency	2000	2001	2002	2003	2004	2005	2006	2007	2008	Preliminary	
										2009	2010
All agencies ^a	75,910.3 r	84,492.5 r	93,708.6 r	103,527.3 r	112,074.5 r	118,847.9 r	121,729.9 r	127,262.9 r	127,105.7	119,730.6	116,274.5
Departments											
Department of Agriculture	1,746.8	1,959.1	1,971.8	2,039.6	2,102.2	2,184.3	2,213.7	2,248.4	2,202.1	2,456.4	2,485.9
Agricultural Marketing Service	5.1	4.8	5.2	4.8	9.0	7.9	6.3	6.4	5.0	4.3	4.4
Agricultural Research Service	884.7	994.4	1,059.8	1,062.0	1,098.1	1,107.7	1,134.9	1,142.0	1,122.6	1,140.4	1,153.4
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	535.0	615.1	546.7	568.1	585.7	651.6	645.1	626.6	655.1	826.9	843.5
Economic Research Service	64.2	65.6	67.0	68.4	70.8	74.0	75.0	92.0	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	223.0	237.0	253.0	292.0	296.0	300.7	308.1	320.3	295.0	356.0	350.0
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	3.9	4.2	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	1,036.6	997.9	1,151.4	1,208.0	1,058.9	1,033.4	941.7	1,027.7	1,044.7	1,359.6	1,133.0
Economic Development Administration	0.6	0.6	0.5	0.5	0.2	0.5	0.2	0.8	2.2	2.9	0.0
National Institute of Standards and Technology	404.2	422.0	451.4	476.0	444.2	418.7	385.7	456.5	430.0	712.8	525.1
National Oceanic and Atmospheric Administration	597.1	501.0	651.3	685.4	566.3	583.8	526.9	540.7	580.8	611.3	567.5
National Telecommunications and Information Administration	21.8	50.4	19.6	23.5	24.2	6.9	6.7	7.0	7.0	6.9	8.0
U.S. Census Bureau	13.0	24.0	28.7	22.5	24.2	23.5	22.1	22.6	24.7	25.6	32.5
Department of Defense ^a	36,214.0 r	39,981.9 r	45,412.7 r	51,897.1 r	57,792.9 r	63,387.7 r	65,870.7 r	72,211.2 r	71,833.3	59,440.5	56,023.1
Defense agencies and activities	7,447.8	9,401.3	12,075.6	12,502.9	13,067.5	15,324.5	14,303.7	15,903.7	15,905.6	16,500.8	15,251.6
Department of the Air Force ^a	14,102.0 r	14,552.0 r	14,740.0 r	18,259.0 r	20,319.0 r	19,971.0 r	21,687.9 r	25,264.0 r	25,232.3	11,089.1	10,680.0
Department of the Army	5,323.7	6,223.7	7,076.6	7,609.5	9,223.0	10,208.3	11,318.3	11,628.6	11,877.8	11,202.9	10,440.8
Department of the Navy	9,307.6	9,599.6	11,287.0	13,290.0	14,885.2	17,576.4	18,381.9	19,233.0	18,633.0	20,461.4	19,453.6
Operational Test and Evaluation, Director	32.9	205.3	233.5	235.7	298.2	307.5	178.9	181.9	184.7	186.2	197.0
Test and Evaluation, Deputy Under Secretary of Defense	257.0	25.3	na	na	na	na	na	na	na	na	na
Department of Education	247.3	277.6	285.6	302.9	311.4	316.0	337.0	333.1	328.1	321.3	352.4
Department of Energy	6,063.1	6,668.0	7,044.2	7,411.9	7,553.8	7,733.4	7,562.0	7,877.4	8,238.8	8,680.5	9,462.0
Bonneville Power Administration	NA	NA	22.9	23.3	24.7	11.3	10.7	11.1	13.7	7.1	5.8
Civilian Radioactive Waste Management	NA	NA	62.5	75.8	78.9	53.5	52.9	10.5	1.4	0.1	0.0
Electricity Delivery and Energy Reliability	NA	NA	NA	NA	NA	80.3	133.5	92.5	82.7	142.3	131.3
Energy Efficiency and Renewable Energy	NA	NA	739.8	682.3	583.9	557.3	430.6	661.6	729.1	774.0	944.3
Environmental Management	NA	NA	160.3	69.4	42.8	49.8	34.0	18.7	19.4	30.2	70.0
Fossil Energy	NA	NA	363.3	639.3	526.1	566.4	435.7	418.6	403.9	436.0	391.7
National Nuclear Security Administration	NA	NA	3,302.4	3,475.4	3,600.2	3,618.8	3,557.3	3,590.9	3,718.2	3,537.3	3,678.9

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Agency	2000	2001	2002	2003	2004	2005	2006	2007	2008	Preliminary	
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Defense Programs	NA	NA	2,372.7	2,576.7	2,727.4	2,732.9	2,593.6	2,655.9	2,707.4	2,476.2	2,575.1
Fissile Materials Disposition	NA	NA	27.4	25.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
Naval Reactors	NA	NA	637.0	650.0	708.6	740.5	720.4	730.3	711.8	746.1	841.2
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	42.5	47.1	74.3	84.5	89.0	80.9	133.1	116.0	398.0
Office of Intelligence	NA	NA	5.3	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Office of Science	NA	NA	2,345.1	2,395.3	2,623.1	2,711.5	2,818.3	2,992.5	3,137.3	3,637.6	3,841.9
Department of Health and Human Services	18,425.9	21,341.9	24,011.6	26,399.1	28,133.2	28,745.5	28,765.6	29,301.5	29,553.3	30,734.5	31,230.4
Administration for Children and Families	27.3	28.4	23.3	20.9	20.1	38.6	14.4	11.8	19.4	19.9	20.3
Administration on Aging	2.8	3.7	3.7	0.0	3.0	2.9	2.9	0.0	0.0	0.0	0.0
Agency for Healthcare Research and Quality	198.8	269.7	298.7	308.7	303.7	318.7	318.7	318.9	334.4	371.6	397.1
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	505.0	544.0	521.0	564.0	539.8	510.8	544.6	544.3	538.2	455.2	434.5
Centers for Medicare and Medicaid Services	61.5	138.0	117.0	73.6	77.6	77.3	62.4	57.3	31.1	30.1	35.6
Food and Drug Administration	144.2	151.6	136.3	138.3	132.3	142.1	143.3	129.3	137.9	166.4	211.8
Health Resources and Services Administration	35.6	51.0	54.1	43.2	47.4	52.9	23.6	23.2	62.1	52.8	56.6
National Institutes of Health	16,918.3	19,480.7	22,110.1	25,156.4	26,890.4	27,500.3	27,565.6	28,146.3	28,404.4	29,613.2	30,050.0
Office of the Secretary	19.8	27.4	17.4	22.5	21.1	24.8	26.8	24.5	21.5	20.7	20.7
Office of Public Health and Science	3.1	2.5	2.5	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Office of the Assistant Secretary, Planning and Evaluation	16.7	24.9	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	946.0	1,362.2	1,725.4	862.9	837.2	1,063.5	955.8
Science and Technology Directorate	na	na	na	NA	792.2	1,167.3	1,691.6	841.0	816.9	1,031.0	936.0
Transportation Security Administration	na	na	na	NA	137.9	180.5	11.7	3.8	0.0	0.0	0.0
U.S. Coast Guard	na	na	na	NA	15.0	13.4	21.2	17.2	19.6	32.2	19.5
U.S. Secret Service	na	na	na	NA	1.0	1.0	1.0	0.8	0.7	0.3	0.3
Department of Housing and Urban Development	45.6	52.9	45.3	39.0	46.6	43.5	33.5	40.4	29.6	33.2	85.0
Department of the Interior	579.9	619.7	632.8	596.7	604.6	589.5	603.0	615.1	636.2	657.7	701.0
Bureau of Reclamation	9.8	9.7	10.4	9.5	10.9	12.7	8.8	8.5	8.9	8.2	9.2
Minerals Management Service	29.2	24.5	31.2	26.7	27.2	27.1	28.9	25.0	32.4	37.9	42.5
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	80.5	103.4	99.2	148.2	105.3	127.5	127.9	176.2	113.4	123.7	122.3
Bureau of Prisons	7.8	14.1	8.7	9.7	10.8	12.7	12.2	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	62.2	69.3	56.9	95.7	60.5	81.3	81.5	92.7	76.8	98.7	81.5

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Department of Labor	83.7	97.4	166.4	189.1	199.4	164.4	95.3	49.6	42.5	45.5	57.4
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	2.7	3.3	2.7	2.7	2.5	2.7	2.6	1.8	2.2	2.2	2.3
Employment and Training Administration	60.9	60.9	137.1	160.0	170.0	133.7	64.1	18.8	10.7	10.3	19.3
Occupational Safety and Health Administration	5.8	5.7	3.8	3.1	3.4	3.4	3.5	3.4	3.6	4.5	5.1
Office of the Secretary	1.3	5.3	1.2	1.8	0.2	0.5	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	1.5	2.2	2.3	2.3	3.0	3.3	4.2	3.8	3.7	4.0	2.1
Department of Transportation	467.4	674.4	815.5	693.3	629.3	418.4	819.2	791.2	806.1	888.8	894.2
Federal Aviation Administration	219.0	286.9	345.1	245.0	217.8	226.6	260.0	241.9	257.1	330.5	344.1
Federal Highway Administration	126.7	240.8	258.3	305.2	323.4	73.9	400.1	404.7	377.3	370.0	400.1
Federal Motor Carrier Safety Administration	3.9	11.4	3.7	6.8	6.4	6.6	5.3	9.4	8.4	6.9	6.1
Federal Railroad Administration	27.3	24.1	33.2	32.2	28.6	30.7	47.2	37.7	37.5	46.7	37.4
Federal Transit Administration	8.9	8.0	5.8	7.1	4.6	4.2	16.6	6.0	9.5	14.6	14.7
National Highway Traffic Safety Administration	50.6	58.3	59.6	65.4	6.7	40.1	57.5	64.1	83.3	63.4	61.2
Office of the Secretary	4.0	13.0	18.4	21.0	31.8	21.0	14.8	6.5	13.5	30.3	10.2
Pipeline and Hazardous Materials Safety Administration	0.0	0.0	0.0	0.0	10.0	13.9	15.2	18.2	8.9	15.2	9.6
Research and Innovative Technology Administration	na	na	na	na	0.0	1.5	2.5	2.7	10.7	11.2	10.7
Research and Special Programs Administration	6.9	8.4	10.2	10.6	na	na	na	na	na	na	na
Transportation Security Administration	na	na	59.0	na	na						
U.S. Coast Guard	20.0	23.5	22.0	na	na						
Department of the Treasury	61.4	67.7	74.4	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	54.4	57.3	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	1.8	4.0	10.6	na	na						
U.S. Mint	1.3	0.8	0.3	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	341.7	345.0	328.8	365.4	405.2	402.0	411.6	446.1	479.6	509.5	580.5
Other agencies											
Agency for International Development	218.8	267.0	269.8	286.0	264.8	257.5	255.0	234.5	123.8	158.2	161.4
Appalachian Regional Commission	0.6	0.7	0.7	0.7	0.6	0.8	1.0	0.8	0.8	0.8	0.8
Broadcasting Board of Governors	0.1	*	0.3	0.0	1.0	0.2	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	502.2	450.5	415.2	567.1	661.9	641.4	621.5	576.0	532.0	566.4	605.7
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
Library of Congress	2.5	3.1	3.0	1.8	18.0	8.6	7.3	7.2	1.4	0.9	1.1

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National Aeronautics and Space Administration	6,881.9	7,355.0	7,508.2	7,499.0	7,182.5	7,394.8	7,211.0	6,126.2	5,827.5	5,853.5	6,164.3
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	2,725.5	3,043.5	3,260.0	3,608.6	3,770.7	3,742.9	3,790.6	3,970.1	4,135.2	6,430.2	4,827.5
Nuclear Regulatory Commission	53.0	53.0	74.3	64.0	72.1	70.1	71.4	76.5	61.0	81.6	84.8
Smithsonian Institution	98.0	98.0	106.0	104.0	108.0	109.0	119.0	145.0	142.0	150.0	174.0
Social Security Administration	28.8	28.9	22.8	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.

^a 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 data in preliminary FY 2009 and FY 2010; therefore these data are not comparable to FY 2008 (actual) data.

NOTES: Because of rounding, detail may not add to total. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. As a result of accounting changes, NASA's data for FY 2004 and later years may not be directly comparable to its data for FY 2003 and earlier years. In FY 2000, National Aeronautics and Space Administration (NASA) 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. In FY 2000, 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. In FY 2006, NASA reclassified as operational costs funding for Space Operations, Hubble Space Telescope, Stratospheric Observatory for Infrared Astronomy, and James Webb Space Telescope previously reported as R&D plant. Between FY 2006 and FY 2007, NASA's R&D obligations decreased for two reasons: (1) in FY 2007, NASA excluded projects that were operational in nature that were not excluded in FY 2006, which accounts for \$850 million of the decrease; and (2) there was an overall decrease in obligations between FY 2006 and FY 2007, which accounts for the remainder of the decrease. 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.