

TABLE C-8. Federal obligations for total research and development, by agency and performer: FY 2002
(Dollars in millions)

Agency	Total R&D	Intra- mural ¹	Extramural							Foreign
			United States and U.S. territories							
			Industry	Indu- stry FFRDCs	Univer- sities and colleges	Univer- sity FFRDCs	Other non- profit insti- tutions	Nonprofit FFRDCs	State and local govts	
All agencies	85,853.0	21,044.8	29,538.2	1,351.1	21,290.1	4,641.2	5,739.1	1,404.8	452.2	391.6
Departments										
Department of Agriculture	1,971.8	1,330.0	17.6	.0	591.9	.0	23.2	.0	4.9	4.2
Agricultural Marketing Service	5.2	4.6	.0	.0	.2	.0	.2	.0	.1	.0
Agricultural Research Service	1,059.8	971.5	.0	.0	76.3	.0	7.9	.0	.6	3.6
Animal and Plant Health Inspection Service	23.7	19.7	.0	.0	4.1	.0	.0	.0	.0	.0
Cooperative State Research, Ed., and Extension Service	546.7	33.9	12.9	.0	488.7	.0	10.3	.0	1.0	.0
Economic Research Service	67.0	57.7	3.9	.0	4.1	.0	1.4	.0	.0	.1
Foreign Agricultural Service	1.4	.8	.0	.0	.6	.0	.0	.0	.0	.0
Forest Service	253.0	229.8	.9	.0	17.6	.0	1.0	.0	3.2	.5
Grain Inspection Packers and Stockyards Administration	6.0	6.0	.0	.0	.0	.0	.0	.0	.0	.0
National Agricultural Statistics Service	4.6	4.5	.0	.0	.1	.0	.0	.0	.0	.0
Rural Business-Cooperative Service	4.2	1.5	.0	.0	.2	.0	2.5	.0	.0	.0
Department of Commerce	1,151.4	804.6	163.3	*	142.0	.6	23.3	.0	17.0	.4
Bureau of the Census	28.7	28.7	.0	.0	.0	.0	.0	.0	.0	.0
Economic Development Administration	.5	.1	.0	.0	.1	.0	.4	.0	.0	.0
National Institute of Standards and Technology	451.4	272.8	157.4	*	15.2	.0	5.6	.0	.0	.4
National Oceanic and Atmospheric Administration	651.3	496.0	6.0	.0	124.3	.6	10.9	.0	13.6	*
National Telecommunications and Information Administration	19.6	7.2	.0	.0	2.4	.0	6.6	.0	3.5	.0
Department of Defense	37,557.1	9,933.9	23,832.5	121.9	2,218.8	378.5	323.5	508.4	4.1	235.5
Defense Agencies, research and development (R&D)	12,075.7	2,318.0	7,682.7	111.1	1,291.3	285.6	121.0	141.8	.0	124.1
Ballistic Missile Defense Organization, R&D	6,262.5	1,022.5	4,873.8	50.5	64.0	116.0	3.3	49.7	.0	82.7
Chemical and Biological Defense, R&D	389.1	114.2	195.8	.0	63.5	.0	15.6	.0	.0	.0
Defense Advanced Research Projects Agency, R&D	2,158.0	248.9	1,216.3	22.9	487.2	66.4	70.0	34.7	.0	11.6
Defense Information Systems Agency, R&D	205.7	66.0	117.7	.0	1.7	.2	8.9	11.2	.0	.0
Defense Logistics Agency, R&D	153.9	58.1	62.7	.0	29.5	.1	.5	3.0	.0	.0
Defense Threat Reduction Agency, R&D	539.1	263.6	216.8	10.8	6.2	37.0	1.1	2.7	.0	.7
Joint Staff, R&D	59.4	59.4	.0	.0	.0	.0	.0	.0	.0	.0
Special Operations Command, R&D	400.7	137.1	258.6	.0	4.9	.0	.0	.0	.0	.0
TRICARE Management Activity, R&D ²	490.0	44.9	175.1	.0	250.8	.0	12.8	.0	.0	6.4
Washington Headquarters Services, R&D	1,417.3	303.2	566.0	26.9	383.5	65.8	8.9	40.4	.0	22.7
Department of the Air Force	6,884.4	1,437.2	5,065.2	1.5	122.6	23.9	24.0	203.0	3.8	3.2
Air Force, Materials Command, R&D	4,645.9	1,335.7	3,085.4	.3	121.8	5.6	24.0	69.9	*	3.2
Air Force, Space Command, R&D	2,238.4	101.5	1,979.8	1.2	.8	18.3	.0	133.1	3.8	.0
Department of the Army, R&D	7,076.6	2,138.8	4,494.7	1.5	231.7	37.5	37.9	52.9	.1	81.6
Department of the Navy, R&D	11,287.0	3,966.3	6,464.9	7.9	565.1	31.5	140.6	83.8	.2	26.7
Operational Test and Evaluation, Director, R&D	233.5	73.5	124.8	.0	8.1	.1	.0	27.0	.0	.0

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			United States and U.S. territories							
			Industry	Indu- stry FFRDCs	Univer- sities and colleges	Univer- sity FFRDCs	Other non- profit insti- tutions	Nonprofit FFRDCs	State and local govts	
Department of Defense, research	7,622.8	3,057.9	2,458.7	16.8	1,707.1	91.5	196.1	67.2	0.1	27.5
Department of Defense, Development	36,818.7	8,313.2	26,439.0	106.6	634.4	310.9	151.4	644.2	7.8	211.2
Department of Defense, advanced technology development	6,304.6	1,439.0	4,177.7	46.2	316.6	123.0	78.5	97.2	7.6	18.8
Department of Defense, major systems development	30,514.1	6,874.2	22,261.3	60.4	317.9	187.9	72.9	547.0	.1	192.3
Department of Education	285.6	13.4	17.3	.0	185.4	.0	69.5	.0	.0	.0
Department of Energy	7,044.2	730.1	992.3	893.4	761.9	2,710.2	94.0	856.4	3.5	2.4
Energy Efficiency and Renewable Energy	739.8	289.1	.0	50.8	76.0	68.4	21.0	234.6	.0	.0
Fossil Energy	363.3	111.0	124.3	14.0	43.4	25.4	21.9	20.9	1.4	1.1
National Nuclear Security Administration	3,302.4	279.3	796.1	694.4	42.3	1,439.0	8.7	42.6	.0	.0
Defense Programs	2,372.7	277.6	208.6	582.6	34.7	1,255.7	7.6	5.9	.0	.0
Fissile Materials Disposition	27.4	*	.0	.2	.0	21.1	.0	6.1	.0	.0
Naval Reactors	637.0	*	583.0	52.4	.0	.3	1.1	.1	.0	.0
Nonproliferation and Verification	265.4	1.7	4.4	59.3	7.6	161.9	.0	30.5	.0	.0
Office of Science	2,345.1	18.5	61.4	40.8	556.3	1,118.0	38.2	510.5	.0	1.4
Other Department of Energy programs	293.6	32.2	10.4	93.5	43.9	59.5	4.1	47.9	2.1	.0
Bonneville Power Administration	22.9	20.7	.1	.0	.0	.0	*	.0	2.1	.0
Civilian Radioactive Waste Management	62.5	11.4	.0	11.7	.0	38.3	.0	1.1	.0	.0
Environmental Management	160.3	*	.0	70.2	38.5	12.6	.0	39.0	.0	.0
Nuclear Energy	42.5	*	7.4	10.4	5.4	8.3	4.1	7.0	.0	.0
Office of Intelligence	5.3	.1	3.0	1.2	.0	.3	.0	.7	.0	.0
Department of Health and Human Services	24,011.6	4,591.8	1,177.8	308.2	13,329.4	57.1	4,183.4	14.7	226.9	122.2
Administration for Children and Families	23.3	1.4	.4	.0	16.6	.0	1.9	.0	3.0	.0
Administration on Aging	3.7	.1	.0	.0	.0	.0	3.6	.0	.0	.0
Agency for Healthcare Research and Quality	298.7	60.0	74.8	.0	104.5	.0	53.3	.0	5.3	.8
Agency for Toxic Substances and Disease Registry	12.4	2.3	.1	.0	2.5	.0	4.7	.0	2.9	*
Centers for Disease Control and Prevention	521.0	448.2	32.5	.0	36.5	.0	1.9	.0	1.9	.0
Centers for Medicare and Medicaid Services	117.0	.5	30.2	.0	10.8	.0	20.9	.0	53.0	1.7
Food and Drug Administration	136.3	103.3	4.2	.0	21.4	.0	6.3	.0	.2	.9
Health Resources and Services Administration	54.1	2.6	.0	.0	28.1	.0	22.0	.0	1.3	.0
National Institutes of Health	22,110.1	3,969.3	971.5	308.2	13,061.9	57.1	3,514.7	14.7	93.7	118.8
Office of the Secretary Office of the Assistant Secretary, Planning and Evaluation	17.4	4.1	6.4	.0	4.4	.0	.0	.0	2.4	.0
Office of Public Health and Science	14.9	3.7	6.4	.0	2.2	.0	.0	.0	2.4	.0
Substance Abuse and Mental Health Services Administration ³	2.5	.3	.0	.0	2.2	.0	.0	.0	.0	.0
	717.6	*	57.6	.0	42.6	.0	554.1	.0	63.2	.0

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Agency	Total R&D	Intra- mural ¹	Extramural							
			United States and U.S. territories							Foreign
			Industry	Indu- stry FFRDCs	Univer- sities and colleges	Univer- sity FFRDCs	Other non- profit insti- tutions	Nonprofit FFRDCs	State and local govts	
Department of Housing and Urban Development	45.3	27.6	12.2	.0	0.8	.0	4.8	.0	.0	.0
Department of the Interior	632.8	537.1	20.9	.0	63.3	.0	3.3	.0	6.6	1.6
Bureau of Reclamation	10.4	7.0	1.2	.0	1.2	.0	.4	.0	.5	.1
Geological Survey	565.0	515.3	8.1	.0	36.2	.0	.0	.0	5.4	.0
Minerals Management Service	31.2	6.7	9.9	.0	11.1	.0	1.9	.0	.1	1.5
National Park Service ⁴	26.2	8.0	1.8	.0	14.8	.0	1.0	.0	.6	*
Department of Justice	99.2	40.6	12.9	.0	24.1	.0	6.2	1.4	14.0	.0
Bureau of Prisons	8.7	2.9	.0	.0	.0	.0	.0	.0	5.9	.0
Federal Bureau of Investigation	33.6	33.6	.0	.0	.0	.0	.0	.0	.0	.0
Office of Justice Programs	56.9	4.1	12.9	.0	24.1	.0	6.2	1.4	8.1	.0
Department of Labor	166.4	150.5	4.5	.0	5.4	.0	5.9	.0	.0	.0
Bureau of Labor Statistics	20.7	9.9	.4	.0	5.3	.0	5.1	.0	.0	.0
Employment and Training Administration	137.1	137.1	.0	.0	.0	.0	.0	.0	.0	.0
Occupational Safety and Health Administration	3.8	2.1	1.7	.0	.0	.0	.0	.0	.0	.0
Office of the Secretary	1.2	.2	1.0	.0	.0	.0	.0	.0	.0	.0
Pension and Welfare Benefits Administration	2.7	.8	1.0	.0	.1	.0	.8	.0	.0	.0
Pension Benefit Guaranty Corporation	.7	.4	.4	.0	.0	.0	.0	.0	.0	.0
Department of State	2.3	.7	1.6	.0	.0	.0	.0	.0	.0	.0
Department of Transportation	815.5	279.4	326.5	6.4	41.2	7.7	17.8	.5	134.7	1.2
Coast Guard	22.0	15.0	4.6	.0	1.2	.0	1.2	.0	.0	.0
Federal Aviation Administration	345.1	86.0	231.3	6.4	13.2	7.7	.0	.5	.0	.0
Federal Highway Administration	258.3	39.6	52.5	.0	17.7	*	14.0	*	134.5	*
Federal Motor Carrier Safety Administration	3.7	1.3	2.0	.0	.0	.0	.4	.0	.0	.0
Federal Railroad Administration	33.2	13.8	16.8	.0	1.9	.0	.0	.0	.0	.7
Federal Transit Administration	5.8	3.8	.0	.0	.0	.0	2.0	.0	.0	.0
National Highway Traffic Safety Administration	59.6	36.6	15.2	.0	7.3	.0	.1	.0	.0	.4
Office of the Secretary	18.4	18.4	.0	.0	.0	.0	.0	.0	.0	.0
Research and Special Programs Administration	10.2	5.7	4.2	.0	.0	.0	.1	.0	.2	.0
Transportation Security Administration	59.0	59.0	.0	.0	.0	.0	.0	.0	.0	.0
Department of the Treasury	74.4	59.7	14.8	.0	.0	.0	.0	.0	.0	.0
Bureau of Engraving and Printing	7.1	7.1	.0	.0	.0	.0	.0	.0	.0	.0
Internal Revenue Service	55.5	50.5	5.0	.0	.0	.0	.0	.0	.0	.0
Office of Thrift Supervision	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
United States Customs Service	10.6	1.1	9.5	.0	.0	.0	.0	.0	.0	.0
United States Mint	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0
United States Secret Service	.8	.6	.2	.0	.0	.0	.0	.0	.0	.0
Department of Veterans Affairs	328.8	328.8	.0	.0	.0	.0	.0	.0	.0	.0

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			United States and U.S. territories							
			Industry	Indu- stry FFRDCs	Univer- sities and colleges	Univer- sity FFRDCs	Other non- profit insti- tutions	Nonprofit FFRDCs	State and local govts	
Other agencies										
Agency for International Development	269.8	33.2	17.2	.0	29.4	.0	190.0	.0	.0	.0
Appalachian Regional Commission	.7	*	.2	.0	.2	.0	.3	.0	.0	.0
Broadcasting Board of Governors	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
Environmental Protection Agency	415.2	197.0	39.9	.0	115.5	.0	52.5	.0	9.1	1.3
Federal Communications Commission	4.4	4.4	.0	.0	.0	.0	.0	.0	.0	.0
Federal Trade Commission	1.8	1.8	.0	.0	.0	.0	.0	.0	.0	.0
Library of Congress	3.0	2.8	.3	.0	.0	.0	.0	.0	.0	.0
National Aeronautics and Space Administration	7,508.2	1,841.4	2,754.9	.0	1,074.7	1,302.4	500.1	4.1	18.0	12.7
National Archives and Records Administration	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
National Science Foundation	3,260.0	13.6	121.2	.0	2,695.8	173.3	237.5	5.2	5.7	7.8
Nuclear Regulatory Commission	74.3	13.7	6.6	21.1	4.1	11.3	1.3	14.0	.0	2.1
Smithsonian Institution	106.0	106.0	.0	.0	.0	.0	.0	.0	.0	.0
Social Security Administration	22.8	2.5	3.9	.0	6.3	.0	2.4	.0	7.8	.0

¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

² TRICARE Management Activity oversees delivery of healthcare to active duty and retired members of the uniformed services, their family members, and their survivors.

³ Data for FYs 2002-2004 from Substance Abuse and Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

⁴ Obligations for FYs 2002-2004 are for the National Park Service's (NPS) natural resources program only; data for the NPS cultural resources program were not available for this survey cycle.

* = Amount greater than 0 but less than 50,000 dollars.
FFRDCs = Federally funded research and development centers.
R&D = Research and development.

NOTES: Because of rounding, detail may not add to totals. Data for only those agencies and subdivisions that had obligations in the variables represented by this table appear in the table. For additional notes associated with the agencies listed in this table, refer to appendix B. Beginning with Vol. 44 (FYs 1994-96), Department of Defense development obligations are reported in two categories: advanced technology and major systems.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FYs 2002, 2003, and 2004.