

TABLE C-10. Preliminary Federal obligations for research and development, by agency and performer: FY 2004
(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	101,054.7	24,164.1	37,671.0	1,521.0	23,833.1	5,067.9	6,579.0	1,430.8	474.4	313.5
Departments										
Department of Agriculture	1,918.6	1,356.8	3.9	12.2	519.9	.0	17.7	.0	4.6	3.5
Agricultural Marketing Service	5.4	5.4	.0	.0	.0	.0	.0	.0	.0	.0
Agricultural Research Service	1,074.6	1,005.2	.0	.0	60.0	.0	6.0	.0	.4	3.0
Cooperative State Research, Ed., and Extension Service	492.8	37.4	.0	12.2	435.1	.0	7.2	.0	1.0	.0
Economic Research Service	76.7	65.7	3.0	.0	6.5	.0	1.5	.0	.0	.0
Foreign Agricultural Service	1.6	.9	.0	.0	.7	.0	.0	.0	.0	.0
Forest Service	252.0	228.8	.9	.0	17.6	.0	1.0	.0	3.2	.5
Grain Inspection Packers and Stockyards Administration	7.1	7.1	.0	.0	.0	.0	.0	.0	.0	.0
National Agricultural Statistics Service	4.9	4.8	.0	.0	*	.0	*	.0	.0	.0
Rural Business-Cooperative Service	3.5	1.5	.0	.0	.0	.0	2.0	.0	.0	.0
Department of Commerce	1,052.9	856.4	26.5	*	145.9	.3	11.2	.0	12.2	.3
Bureau of the Census	13.5	13.5	.0	.0	.0	.0	.0	.0	.0	.0
Economic Development Administration	.6	.1	.0	.0	.3	.0	.3	.0	.0	.0
National Institute of Standards and Technology	345.2	307.1	21.2	*	14.9	.0	1.7	.0	.0	.3
National Oceanic and Atmospheric Administration	686.9	529.1	5.3	.0	130.7	.3	9.2	.0	12.2	.0
National Telecommunications and Information Administration	6.7	6.7	.0	.0	.0	.0	.0	.0	.0	.0
Department of Defense	45,781.6	11,516.5	31,132.1	161.5	1,610.4	428.3	269.1	526.3	3.7	133.6
Defense Agencies, research and development (R&D)	13,299.2	2,758.6	9,066.0	127.6	747.9	303.2	100.3	143.3	.0	52.3
Ballistic Missile Defense Organization, R&D	7,581.6	1,369.0	5,907.7	73.3	57.8	127.8	4.2	26.4	.0	15.4
Chemical and Biological Defense, R&D	393.6	253.9	89.4	.0	33.0	.0	.0	17.5	.0	.0
Defense Advanced Research Projects Agency, R&D	2,924.8	397.7	1,642.8	33.0	606.5	94.4	88.3	46.7	.0	15.3
Defense Information Systems Agency, R&D	322.1	61.7	246.4	.0	2.0	.0	.0	12.0	.0	.0
Defense Logistics Agency, R&D	64.0	35.3	16.4	.0	1.9	1.5	7.0	2.0	.0	.0
Defense Threat Reduction Agency, R&D	382.8	79.3	288.3	2.1	.8	11.3	.1	.4	.0	.5
Joint Staff, R&D	119.1	119.1	.0	.0	.0	.0	.0	.0	.0	.0
Special Operations Command, R&D	448.1	153.6	289.3	.0	5.2	.0	.0	.0	.0	.0
TRICARE Management Activity, R&D ²	74.4	17.2	57.2	.0	.0	.0	.0	.0	.0	.0
Washington Headquarters Services, R&D	988.8	271.9	528.6	19.1	40.9	68.1	.8	38.4	.0	21.1
Department of the Air Force	8,946.3	1,871.0	6,635.9	15.1	114.4	58.3	23.6	220.2	3.7	4.1
Air Force, Materials Command, R&D	6,252.4	1,537.7	4,470.0	.2	114.1	14.3	23.6	88.3	*	4.1
Air Force, Space Command, R&D	2,693.9	333.3	2,165.9	14.9	.3	44.0	.0	131.9	3.7	.0
Department of the Army, R&D	8,978.3	2,407.9	6,197.5	11.4	202.2	35.5	21.1	57.0	.1	45.8
Department of the Navy, R&D	14,276.8	4,390.9	9,082.7	7.5	535.5	31.2	124.1	73.5	.0	31.5
Operational Test and Evaluation, Director, R&D	281.0	88.2	149.9	.0	10.5	.1	.0	32.4	.0	.0

See explanatory information, if any, and SOURCE at end of table.

TABLE C-10. Preliminary Federal obligations for research and development, by agency and performer: FY 2004
(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	
Department of Defense, research	7,702.8	3,385.0	2,719.2	13.9	1,216.7	80.9	165.5	91.2	*	30.4
Department of Defense, Development	47,025.0	10,002.4	35,048.8	162.8	508.0	405.7	127.3	655.3	7.4	107.3
Department of Defense, advanced technology development	7,732.8	1,576.6	5,351.5	51.1	288.7	197.7	79.3	161.3	7.3	19.2
Department of Defense, major systems development	39,292.3	8,425.8	29,697.3	111.7	219.3	207.9	48.0	494.0	.1	88.1
Department of Education	297.3	13.3	14.2	.0	216.3	.0	53.6	.0	.0	.0
Department of Energy	7,691.4	900.5	1,313.1	948.4	743.9	2,868.3	77.9	833.6	3.9	1.7
Energy Efficiency and Renewable Energy	767.1	299.7	.0	54.0	78.8	70.9	21.8	241.9	.0	.0
Fossil Energy	482.2	116.6	233.6	14.0	44.6	26.4	22.5	22.5	1.0	1.0
National Nuclear Security Administration	3,651.6	413.0	877.8	778.4	43.6	1,500.8	12.4	25.7	.0	.0
Defense Programs	2,796.0	401.9	215.7	685.1	40.1	1,436.7	10.9	5.6	.0	.0
Fissile Materials Disposition	1.0	*	.0	.0	.0	.0	.0	1.0	.0	.0
Naval Reactors	708.4	*	652.0	54.4	.0	.4	1.5	.1	.0	.0
Nonproliferation and Verification	146.2	11.1	10.1	38.9	3.5	63.7	.0	19.0	.0	.0
Office of Science	2,533.7	34.3	148.1	57.1	561.0	1,178.6	21.2	529.7	2.9	.7
Other Department of Energy programs	256.8	36.9	53.7	44.8	15.9	91.6	.0	13.9	.0	.0
Bonneville Power Administration	24.2	23.4	.0	.0	.0	.0	.0	.8	.0	.0
Civilian Radioactive Waste Management	59.1	13.3	.0	10.1	.0	34.0	.0	1.7	.0	.0
Environmental Management	48.0	*	.0	25.7	9.2	3.0	.0	10.2	.0	.0
Nuclear Energy	121.5	*	51.4	8.8	6.7	54.0	.0	.6	.0	.0
Office of Intelligence	4.0	.2	2.2	.3	.0	.7	.0	.7	.0	.0
Department of Health and Human Services	28,857.3	5,442.1	1,416.0	373.3	16,140.7	51.3	4,999.2	45.3	243.1	146.4
Administration for Children and Families	24.3	1.5	.5	.0	17.3	.0	2.0	.0	3.1	.0
Agency for Healthcare Research and Quality	279.0	56.0	69.8	.0	97.6	.0	49.8	.0	5.0	.8
Centers for Disease Control and Prevention	531.0	450.7	35.8	.0	40.3	.0	2.0	.0	2.1	.0
Centers for Medicare and Medicaid Services	63.4	.1	9.3	.0	3.2	.0	7.9	.0	41.5	1.4
Food and Drug Administration	134.9	102.6	4.1	.0	21.0	.0	6.2	.0	.2	.8
Health Resources and Services Administration	20.9	2.6	.0	.0	9.3	.0	7.4	.0	1.6	.0
National Institutes of Health	26,865.8	4,823.1	1,180.5	373.3	15,871.3	51.3	4,245.4	45.3	132.2	143.4
Office of the Secretary	21.3	5.5	6.0	.0	7.3	.0	.0	.0	2.5	.0
Office of the Assistant Secretary, Planning and Evaluation	16.0	5.0	6.0	.0	2.5	.0	.0	.0	2.5	.0
Office of Public Health and Science	5.3	.5	.0	.0	4.8	.0	.0	.0	.0	.0
Substance Abuse and Mental Health Services Administration ³	916.8	*	110.0	.0	73.3	.0	678.5	.0	55.0	.0

See explanatory information, if any, and SOURCE at end of table.

TABLE C-10. Preliminary Federal obligations for research and development, by agency and performer: FY 2004
(Dollars in millions)

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 Homeland Security	203.3	191.5	4.9	.0	5.6	.0	1.2	.0	.0	.0
Animal and Plant Health Inspection Service	25.4	21.1	.0	.0	4.4	.0	.0	.0	.0	.0
Transportation Security Administration	154.5	154.5	.0	.0	.0	.0	.0	.0	.0	.0
United States Coast Guard	23.3	15.9	4.9	.0	1.2	.0	1.2	.0	.0	.0
Department of Housing and Urban Development	47.7	28.9	12.9	.0	.9	.0	5.0	.0	.0	.0
Department of the Interior	555.8	504.0	7.3	.0	37.8	.0	.7	.0	4.7	1.2
Bureau of Reclamation	8.0	5.4	.9	.0	.9	.0	.3	.0	.4	*
Geological Survey	521.3	491.8	.0	.0	25.3	.0	.0	.0	4.3	.0
Minerals Management Service	26.5	6.8	6.4	.0	11.6	.0	.4	.0	.1	1.2
Department of Justice	109.3	44.7	11.9	.0	31.9	.0	5.7	0.7	14.5	.0
Bureau of Prisons	9.2	3.2	.0	.0	.0	.0	.0	.0	6.0	.0
Federal Bureau of Investigation	34.1	34.1	.0	.0	.0	.0	.0	.0	.0	.0
Office of Justice Programs	66.0	7.4	11.9	.0	31.9	.0	5.7	.7	8.5	.0
Department of Labor	30.4	14.4	4.4	.0	10.7	.0	.9	.0	.0	.0
Bureau of Labor Statistics	22.3	10.4	.8	.0	10.6	.0	.5	.0	.0	.0
Occupational Safety and Health Administration	4.0	2.3	1.7	.0	.0	.0	.0	.0	.0	.0
Office of the Secretary Pension and Welfare Benefits Administration	1.2	.2	1.0	.0	.0	.0	.0	.0	.0	.0
Pension Benefit Guaranty Corporation	2.1	1.1	.5	.0	.1	.0	.4	.0	.0	.0
Corporation	.8	.4	.4	.0	.0	.0	.0	.0	.0	.0
Department of State	1.9	.7	1.2	.0	.0	.0	.0	.0	.0	.0
Department of Transportation	662.6	230.3	237.1	5.0	28.2	6.1	20.4	.6	134.3	.5
Federal Aviation Administration	175.1	70.6	83.5	5.0	10.0	5.5	.0	.5	.0	.0
Federal Highway Administration	361.8	88.9	110.6	.0	11.7	.6	15.6	.0	134.3	.0
Federal Motor Carrier Safety Administration	6.7	.5	3.6	.0	.0	.0	2.4	.1	.0	.0
Federal Railroad Administration	30.2	14.9	15.3	.0	.0	.0	.0	.0	.0	.1
Federal Transit Administration	2.6	.6	.0	.0	.0	.0	2.0	.0	.0	.0
National Highway Traffic Safety Administration	59.9	38.0	14.8	.0	6.5	.0	.2	.0	.0	.4
Office of the Secretary Research and Special Programs Administration	10.8	10.8	.0	.0	.0	.0	.0	.0	.0	.0
Administration	15.4	5.9	9.3	.0	.0	.0	.2	.0	.0	.0
Department of the Treasury	70.7	65.8	4.8	.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	62.1	57.6	4.5	.0	.0	.0	.0	.0	.0	.0
Office of Thrift Supervision	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0
United States Mint	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0
United States Secret Service	1.0	.8	.2	.0	.0	.0	.0	.0	.0	.0
Department of Veterans Affairs	380.5	380.5	.0	.0	.0	.0	.0	.0	.0	.0

See explanatory information, if any, and SOURCE at end of table.

TABLE C-10. Preliminary Federal obligations for research and development, by agency and performer: FY 2004
(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	
Other agencies										
Agency for International Development	273.8	32.4	18.1	.0	36.5	.0	186.7	.0	.0	.2
Appalachian Regional Commission	.3	*	.1	.0	.2	.0	*	.0	.0	.0
Broadcasting Board of Governors	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
Environmental Protection Agency	606.9	287.7	58.3	.0	168.9	.0	76.8	.0	13.3	1.9
Federal Communications Commission	2.8	2.8	.0	.0	.0	.0	.0	.0	.0	.0
Federal Trade Commission	1.7	1.7	.0	.0	.0	.0	.0	.0	.0	.0
Library of Congress	4.8	4.8	.0	.0	.0	.0	.0	.0	.0	.0
National Aeronautics and Space Administration	8,546.8	2,136.7	3,212.5	.0	1,074.7	1,507.8	580.3	4.1	18.0	12.7
National Archives and Records Administration	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
National Science Foundation	3,689.9	15.4	135.5	.0	3,052.5	196.4	268.9	5.9	6.5	8.9
Nuclear Regulatory Commission	75.1	16.3	9.1	20.5	2.3	9.4	.8	14.2	.0	2.5
Smithsonian Institution	115.0	115.0	.0	.0	.0	.0	.0	.0	.0	.0
Social Security Administration	76.4	4.9	47.3	.0	5.9	.0	2.9	.0	15.4	.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.

* = 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.