

TABLE C-7. Preliminary Federal obligations for research and development, by agency and character of work: FY 2004
(Dollars in thousands)

Agency	Total R&D	Basic research	Applied research	Development		
				Total	Advanced technology	Major systems
All agencies	101,054,746	26,643,092	27,428,744	46,982,910	NA	NA
Departments						
Department of Agriculture	1,918,585	916,805	861,856	139,924	NA	NA
Agricultural Marketing Service	5,446	0	4,633	813	NA	NA
Agricultural Research Service	1,074,628	591,045	386,866	96,717	NA	NA
Cooperative State Research, Ed., and Extension Service	492,775	212,263	280,512	0	NA	NA
Economic Research Service	76,657	7,666	68,991	0	NA	NA
Foreign Agricultural Service	1,600	912	688	0	NA	NA
Forest Service	252,000	103,320	113,400	35,280	NA	NA
Grain Inspection Packers and Stockyards Administration	7,114	0	0	7,114	NA	NA
National Agricultural Statistics Service	4,861	1,599	3,262	0	NA	NA
Rural Business-Cooperative Service	3,504	0	3,504	0	NA	NA
Department of Commerce	1,052,866	99,415	905,005	48,446	NA	NA
Bureau of the Census	13,475	1,949	2,204	9,322	NA	NA
Economic Development Administration	550	275	275	0	NA	NA
National Institute of Standards and Technology	345,249	83,269	242,657	19,323	NA	NA
National Oceanic and Atmospheric Administration	686,914	13,922	653,191	19,801	NA	NA
National Telecommunications and Information Administration	6,678	0	6,678	0	NA	NA
Department of Defense	45,781,586	1,622,516	4,267,648	39,891,422	6,034,297	33,857,125
Defense Agencies	13,299,199	243,302	1,799,790	11,256,107	2,743,016	8,513,091
Ballistic Missile Defense Organization	7,581,598	0	0	7,581,598	232,812	7,348,786
Chemical and Biological Defense	393,636	45,079	168,228	180,329	87,715	92,614
Defense Advanced Research Projects Agency	2,924,756	151,055	1,235,890	1,537,811	1,424,890	112,921
Defense Information Systems Agency	322,053	0	0	322,053	0	322,053
Defense Logistics Agency	63,996	0	22,615	41,381	36,172	5,209
Defense Threat Reduction Agency	382,825	0	297,212	85,613	85,613	0
Joint Staff	119,115	0	0	119,115	119,115	0
Special Operations Command	448,053	0	24,253	423,800	177,996	245,804
TRICARE Management Activity ¹	74,367	0	0	74,367	0	74,367
Washington Headquarters Services	988,800	47,168	51,592	890,040	578,703	311,337
Department of the Air Force	8,946,292	591,761	1,220,921	7,133,610	1,698,471	5,435,139
Air Force, Materials Command	6,252,350	317,657	1,220,920	4,713,773	526,061	4,187,712
Air Force, Space Command	2,693,942	274,104	1	2,419,837	1,172,410	1,247,427
Department of the Army	8,978,318	333,965	692,110	7,952,243	NA	NA
Department of the Army, Civil Functions ²	46,050	2,763	24,867	18,420	NA	NA
Department of the Army, Military Functions	8,932,268	331,202	667,243	7,933,823	833,860	7,099,963
Department of the Navy	14,276,780	453,488	554,827	13,268,465	728,175	12,540,290
Operational Test and Evaluation, Director	280,997	0	0	280,997	12,355	268,642
Department of Education	297,325	6,408	213,172	77,745	NA	NA

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

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Agency	Total R&D	Basic research	Applied research	Development		
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Department of Energy	7,691,413	2,610,245	2,908,813	2,172,355	NA	NA
Energy Efficiency and Renewable Energy	767,104	57,346	276,290	433,468	NA	NA
Fossil Energy	482,162	9,652	172,950	299,560	NA	NA
National Nuclear Security Administration	3,651,595	9,107	2,322,476	1,320,012	NA	NA
Defense Programs	2,796,039	0	2,252,942	543,097	NA	NA
Fissile Materials Disposition	1,000	0	0	1,000	NA	NA
Naval Reactors	708,364	0	0	708,364	NA	NA
Nonproliferation and Verification	146,192	9,107	69,534	67,551	NA	NA
Office of Science	2,533,747	2,530,747	3,000	0	NA	NA
Other Department of Energy programs	256,805	3,393	134,097	119,315	NA	NA
Bonneville Power Administration	24,162	3,393	11,806	8,963	NA	NA
Civilian Radioactive Waste Management	59,092	0	59,092	0	NA	NA
Environmental Management	47,994	0	19,198	28,796	NA	NA
Nuclear Energy	121,526	0	44,001	77,525	NA	NA
Office of Intelligence	4,031	0	0	4,031	NA	NA
Department of Health and Human Services	28,857,346	14,818,874	13,088,507	949,965	NA	NA
Administration for Children and Families	24,282	0	24,282	0	NA	NA
Agency for Healthcare Research and Quality	279,000	0	256,680	22,320	NA	NA
Centers for Disease Control and Prevention	531,000	0	531,000	0	NA	NA
Centers for Medicare and Medicaid Services	63,400	0	63,400	0	NA	NA
Food and Drug Administration	134,909	0	134,909	0	NA	NA
Health Resources and Services Administration	20,908	2,088	13,225	5,595	NA	NA
National Institutes of Health	26,865,797	14,800,786	12,065,011	0	NA	NA
Office of the Secretary	21,291	16,000	0	5,291	NA	NA
Office of the Assistant Secretary, Planning and Evaluation	16,000	16,000	0	0	NA	NA
Office of Public Health and Science	5,291	0	0	5,291	NA	NA
Substance Abuse and Mental Health Services Administration ³	916,759	0	0	916,759	NA	NA
Department of Homeland Security	203,264	54,400	88,053	60,811	NA	NA
Animal and Plant Health Inspection Service	25,447	0	0	25,447	NA	NA
Transportation Security Administration	154,500	54,400	81,600	18,500	NA	NA
United States Coast Guard	23,317	0	6,453	16,864	NA	NA
Department of Housing and Urban Development	47,660	0	17,806	29,854	NA	NA
Department of the Interior	555,787	38,192	461,867	55,728	NA	NA
Bureau of Reclamation	8,035	0	2,812	5,223	NA	NA
Geological Survey	521,294	38,192	432,597	50,505	NA	NA
Minerals Management Service	26,458	0	26,458	0	NA	NA
Department of Justice	109,295	33,000	13,850	62,445	NA	NA
Bureau of Prisons	9,150	0	3,850	5,300	NA	NA
Federal Bureau of Investigation	34,145	0	0	34,145	NA	NA
Office of Justice Programs	66,000	33,000	10,000	23,000	NA	NA
Department of Labor	30,381	14,000	14,790	1,591	NA	NA
Bureau of Labor Statistics	22,300	14,000	8,300	0	NA	NA
Occupational Safety and Health Administration	3,992	0	3,992	0	NA	NA
Office of the Secretary	1,200	0	300	900	NA	NA
Pension and Welfare Benefits Administration	2,129	0	2,129	0	NA	NA
Pension Benefit Guaranty Corporation	760	0	69	691	NA	NA
Department of State	1,933	0	1,933	0	NA	NA

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Agency	Total R&D	Basic research	Applied research	Development		
				Total	Advanced technology	Major systems
Department of Transportation	662,559	36,151	384,422	241,986	NA	NA
Federal Aviation Administration	175,135	0	100,000	75,135	NA	NA
Federal Highway Administration	361,804	36,151	185,834	139,819	NA	NA
Federal Motor Carrier Safety Administration	6,682	0	5,344	1,338	NA	NA
Federal Railroad Administration	30,243	0	27,043	3,200	NA	NA
Federal Transit Administration	2,640	0	0	2,640	NA	NA
National Highway Traffic Safety Administration	59,867	0	59,867	0	NA	NA
Office of the Secretary	10,836	0	0	10,836	NA	NA
Research and Special Programs Administration	15,352	0	6,334	9,018	NA	NA
Department of the Treasury	70,656	224	69,537	895	NA	NA
Bureau of Engraving and Printing	7,070	224	6,286	560	NA	NA
Internal Revenue Service	62,050	0	62,050	0	NA	NA
Office of Thrift Supervision	177	0	177	0	NA	NA
United States Mint	335	0	0	335	NA	NA
United States Secret Service	1,024	0	1,024	0	NA	NA
Department of Veterans Affairs	380,471	163,971	199,722	16,778	NA	NA
Other agencies						
Agency for International Development	273,772	100	252,775	20,897	NA	NA
Appalachian Regional Commission	343	0	343	0	NA	NA
Broadcasting Board of Governors	51	0	51	0	NA	NA
Environmental Protection Agency	606,907	89,507	369,100	148,300	NA	NA
Federal Communications Commission	2,759	0	2,759	0	NA	NA
Federal Trade Commission	1,679	0	1,679	0	NA	NA
Library of Congress	4,802	0	788	4,014	NA	NA
National Aeronautics and Space Administration	8,546,800	2,538,400	2,948,646	3,059,754	NA	NA
National Archives and Records Administration	120	0	120	0	NA	NA
National Science Foundation	3,689,876	3,485,884	203,992	0	NA	NA
Nuclear Regulatory Commission	75,110	0	75,110	0	NA	NA
Smithsonian Institution	115,000	115,000	0	0	NA	NA
Social Security Administration	76,400	0	76,400	0	NA	NA

¹ TRICARE Management Activity oversees delivery of healthcare to active duty and retired members of the uniformed services, their family members, and their survivors.

² The Department of the Army, Civil Functions (Corps of Engineers) development activities are appropriated by the Energy and Water Development Act and therefore cannot be categorized according to the advanced technology and major systems development breakdown. For accounting purposes, funds are shown in advanced technology column for Department of Defense.

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.

NA = Not available (data are not collected in this category for this agency).

NOTES: 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.