

TABLE 6. 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	102,720,548	26,436,350	28,013,321	48,270,877	NA	NA
Departments						
Department of Agriculture	2,161,241	1,014,262	970,713	176,266	NA	NA
Agricultural Marketing Service	8,410	0	7,392	1,018	NA	NA
Agricultural Research Service	1,082,468	595,357	389,689	97,422	NA	NA
Animal and Plant Health Inspection Service	29,242	0	0	29,242	NA	NA
Cooperative State Research, Education, and Extension Service	654,200	286,815	367,385	0	NA	NA
Economic Research Service	70,981	7,098	63,883	0	NA	NA
Foreign Agricultural Service	1,600	912	688	0	NA	NA
Forest Service	298,000	122,180	134,100	41,720	NA	NA
Grain Inspection, Packers, and Stockyards Administration	6,864	0	0	6,864	NA	NA
National Agricultural Statistics Service	5,776	1,900	3,876	0	NA	NA
Rural Business-Cooperative Service	3,700	0	3,700	0	NA	NA
Department of Commerce	1,117,883	60,239	897,402	160,242	NA	NA
Economic Development Administration	550	275	275	0	NA	NA
National Institute of Standards and Technology	461,021	59,457	309,090	92,474	NA	NA
National Oceanic and Atmospheric Administration	609,227	0	581,315	27,912	NA	NA
National Telecommunications and Information Administration	22,727	0	6,215	16,512	NA	NA
U.S. Census Bureau	24,358	507	507	23,344	NA	NA
Department of Defense	48,264,620	1,453,502	4,504,173	42,306,945	7,332,373	34,974,572
Defense agencies	13,479,550	235,316	1,682,128	11,562,106	3,060,182	8,501,924
Chemical and Biological Defense	439,257	41,769	161,529	235,959	162,776	73,183
Defense Advanced Research Projects Agency	2,978,717	139,249	1,229,627	1,609,841	1,487,507	122,334
Defense Information Systems Agency	291,952	0	0	291,952	0	291,952
Defense Logistics Agency	196,952	0	22,128	174,824	128,760	46,064
Defense Threat Reduction Agency	306,150	0	187,398	118,752	118,752	0
Joint Staff	126,715	0	0	126,715	0	126,715
Missile Defense Agency	7,473,959	0	0	7,473,959	231,973	7,241,986
Special Operations Command	590,370	0	21,888	568,482	94,261	474,221
Washington Headquarters Services	1,075,478	54,298	59,558	961,622	836,153	125,469
Department of the Air Force	9,393,996	416,047	1,054,306	7,923,643	1,987,485	5,936,158
Materiel Command	6,427,593	205,551	1,048,211	5,173,831	811,769	4,362,062
Space Command	2,966,403	210,496	6,095	2,749,812	1,175,716	1,574,096
Department of the Army	9,577,099	345,837	1,017,066	8,214,196	NA	NA
Civil Functions	44,138	2,648	23,393	18,097	NA	NA
Military Functions	9,532,961	343,189	993,673	8,196,099	1,219,459	6,976,640
Department of the Navy	15,515,676	456,302	750,673	14,308,701	1,034,873	13,273,828
Operational Test and Evaluation, Director	298,299	0	0	298,299	12,277	286,022
Department of Education	307,833	9,072	194,715	104,046	NA	NA
Department of Energy	7,899,791	2,770,628	3,041,284	2,087,879	NA	NA
Bonneville Power Administration	24,653	3,393	11,962	9,298	NA	NA
Civilian Radioactive Waste Management	82,165	0	82,165	0	NA	NA
Energy Efficiency and Renewable Energy	729,262	31,115	303,533	394,614	NA	NA
Environmental Management	59,636	0	17,891	41,745	NA	NA
Fossil Energy	525,381	9,615	221,555	294,211	NA	NA

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Agency	Total R&D	Basic research	Applied research	Development		
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National Nuclear Security Administration	3,634,042	11,164	2,302,450	1,320,428	NA	NA
Defense Programs	2,789,400	0	2,242,054	547,346	NA	NA
Fissile Materials Disposition	1,001	0	0	1,001	NA	NA
Naval Reactors	708,464	0	0	708,464	NA	NA
Nonproliferation and Verification	135,177	11,164	60,396	63,617	NA	NA
Nuclear Energy	122,278	0	98,726	23,552	NA	NA
Office of Intelligence	4,031	0	0	4,031	NA	NA
Office of Science	2,718,343	2,715,341	3,002	0	NA	NA
Department of Health and Human Services	28,226,072	14,719,731	13,386,497	119,844	NA	NA
Administration for Children and Families	21,331	0	21,331	0	NA	NA
Administration on Aging	3,018	0	3,018	0	NA	NA
Agency for Healthcare Research and Quality	303,695	0	279,399	24,296	NA	NA
Agency for Toxic Substances and Disease Registry	14,893	0	14,893	0	NA	NA
Centers for Disease Control and Prevention	539,000	0	539,000	0	NA	NA
Centers for Medicare and Medicaid Services	77,791	0	77,791	0	NA	NA
Food and Drug Administration	132,298	0	132,298	0	NA	NA
Health Resources and Services Administration	47,903	2,414	14,997	30,492	NA	NA
National Institutes of Health	27,004,495	14,717,317	12,287,178	0	NA	NA
Office of the Secretary	22,123	0	16,592	5,531	NA	NA
Office of the Assistant Secretary, Planning and Evaluation	16,592	0	16,592	0	NA	NA
Office of Public Health and Science	5,531	0	0	5,531	NA	NA
Substance Abuse and Mental Health Services ^a Administration	59,525	0	0	59,525	NA	NA
Department of Housing and Urban Development	49,358	0	18,386	30,972	NA	NA
Department of the Interior	583,911	39,974	489,649	54,288	NA	NA
Bureau of Reclamation	10,105	0	3,537	6,568	NA	NA
Geological Survey	547,055	39,974	459,361	47,720	NA	NA
Minerals Management Service	26,751	0	26,751	0	NA	NA
Department of Justice	103,135	15,100	21,285	66,750	NA	NA
Bureau of Prisons	9,400	0	4,300	5,100	NA	NA
Federal Bureau of Investigation	33,700	0	0	33,700	NA	NA
Office of Justice Programs	60,035	15,100	16,985	27,950	NA	NA
Department of Labor	165,527	13,800	21,153	130,574	NA	NA
Bureau of Labor Statistics	22,100	13,800	8,300	0	NA	NA
Employee Benefits Security Administration	2,752	0	2,752	0	NA	NA
Employment and Training Administration	135,000	0	6,000	129,000	NA	NA
Occupational Safety and Health Administration	3,230	0	3,230	0	NA	NA
Office of the Secretary	1,500	0	800	700	NA	NA
Pension Benefit Guaranty Corporation	945	0	71	874	NA	NA
Department of State	2,175	0	2,175	0	NA	NA
Department of Transportation	795,797	23,162	454,520	318,115	NA	NA
Federal Aviation Administration	234,162	0	121,029	113,133	NA	NA
Federal Highway Administration	405,884	23,162	230,302	152,420	NA	NA
Federal Motor Carrier Safety Administration	6,642	0	6,642	0	NA	NA
Federal Railroad Administration	33,157	0	29,294	3,863	NA	NA
Federal Transit Administration	4,625	0	0	4,625	NA	NA
National Highway Traffic Safety Administration	63,240	0	63,240	0	NA	NA

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Office of the Secretary	28,800	0	0	28,800	NA	NA
Research and Special Programs Administration	19,287	0	4,013	15,274	NA	NA
Department of the Treasury	64,398	210	62,721	1,467	NA	NA
Bureau of Engraving and Printing	5,750	210	5,015	525	NA	NA
Internal Revenue Service	57,706	0	57,706	0	NA	NA
U.S. Mint	942	0	0	942	NA	NA
Department of Veterans Affairs	392,905	176,357	199,517	17,031	NA	NA
Other agencies						
Agency for International Development	296,122	100	270,641	25,381	NA	NA
Appalachian Regional Commission	703	0	703	0	NA	NA
Environmental Protection Agency	606,907	89,507	369,100	148,300	NA	NA
Federal Communications Commission	6,486	0	6,286	200	NA	NA
Federal Trade Commission	1,665	0	1,665	0	NA	NA
Library of Congress	6,493	0	3,772	2,721	NA	NA
National Aeronautics and Space Administration	7,690,684	2,419,282	2,751,546	2,519,856	NA	NA
National Archives and Records Administration	120	0	120	0	NA	NA
National Science Foundation	3,730,153	3,519,424	210,729	0	NA	NA
Nuclear Regulatory Commission	77,943	0	77,943	0	NA	NA
Smithsonian Institution	112,000	112,000	0	0	NA	NA
Social Security Administration	56,626	0	56,626	0	NA	NA

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

^a Beginning in FY 2003 Substance Abuse and Mental Health Services Administration reclassified some of its funding categories that were considered R&D in prior years.

NOTES: Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix B for additional notes associated with agencies listed in this table. Beginning with volume 44 (FY 1994–96), Department of Defense development obligations are reported in two categories: advanced technology and major systems. Totals on this table do not include Department of Homeland Security.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2003, 2004, and 2005.