

TABLE C-5. Federal obligations for research and development, by agency and character of work: FY 2002  
(Dollars in thousands)

Agency	Total R&D	Basic research	Applied research	Development		
				Total	Advanced technology	Major systems
All agencies	85,852,968	23,668,345	24,338,366	37,846,257	NA	NA
Departments						
Department of Agriculture	1,971,755	930,062	880,345	161,348	NA	NA
Agricultural Marketing Service	5,187	0	4,413	774	NA	NA
Agricultural Research Service	1,059,803	582,892	381,529	95,382	NA	NA
Animal and Plant Health Inspection Service	23,743	0	0	23,743	NA	NA
Cooperative State Research, Ed., and Extension Service	546,692	234,415	312,277	0	NA	NA
Economic Research Service	67,045	6,705	60,340	0	NA	NA
Foreign Agricultural Service	1,431	808	623	0	NA	NA
Forest Service	253,000	103,730	113,850	35,420	NA	NA
Grain Inspection Packers and Stockyards Administration	6,029	0	0	6,029	NA	NA
National Agricultural Statistics Service	4,597	1,512	3,085	0	NA	NA
Rural Business-Cooperative Service	4,228	0	4,228	0	NA	NA
Department of Commerce	1,151,371	72,546	921,922	156,903	NA	NA
Bureau of the Census	28,706	2,795	3,192	22,719	NA	NA
Economic Development Administration	470	64	406	0	NA	NA
National Institute of Standards and Technology	451,368	56,089	298,551	96,728	NA	NA
National Oceanic and Atmospheric Administration	651,259	13,598	615,691	21,970	NA	NA
National Telecommunications and Information Administration	19,568	0	4,082	15,486	NA	NA
Department of Defense	37,557,113	1,812,518	4,452,840	31,291,755	5,214,451	26,077,304
Defense Agencies	12,075,695	899,241	1,754,241	9,422,213	2,370,869	7,051,344
Ballistic Missile Defense Organization	6,262,459	0	762	6,261,697	191,787	6,069,910
Chemical and Biological Defense	389,116	44,287	191,427	153,402	65,549	87,853
Defense Advanced Research Projects Agency	2,157,995	135,483	1,048,405	974,107	888,192	85,915
Defense Information Systems Agency	205,705	0	0	205,705	0	205,705
Defense Logistics Agency	153,923	0	8,714	145,209	135,633	9,576
Defense Threat Reduction Agency	539,087	0	368,015	171,072	171,072	0
Joint Staff	59,444	0	0	59,444	59,444	0
Special Operations Command	400,696	0	27,325	373,371	156,816	216,555
TRICARE Management Activity <sup>1</sup>	489,994	384,604	1,460	103,930	699	103,231
Washington Headquarters Services	1,417,276	334,867	108,133	974,276	701,677	272,599
Department of the Air Force	6,884,364	298,993	1,058,435	5,526,936	1,090,114	4,436,822
Air Force, Materials Command	4,645,927	275,992	1,056,320	3,313,615	533,224	2,780,391
Air Force, Space Command	2,238,437	23,001	2,115	2,213,321	556,890	1,656,431
Department of the Army	7,076,563	224,630	886,883	5,965,050	NA	NA
Department of the Army, Civil Functions <sup>2</sup>	50,610	3,049	26,836	20,725	NA	NA
Department of the Army, Military Functions	7,025,953	221,581	860,047	5,944,325	915,850	5,028,475
Department of the Navy	11,286,997	389,654	753,281	10,144,062	809,859	9,334,203
Operational Test and Evaluation, Director	233,494	0	0	233,494	7,034	226,460
Department of Education	285,632	5,280	178,285	102,067	NA	NA

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

TABLE C-5. Federal obligations for research and development, by agency and character of work: FY 2002  
(Dollars in thousands)

Agency	Total R&D	Basic research	Applied research	Development		
				Total	Advanced technology	Major systems
Department of Energy	7,044,164	2,477,841	2,584,648	1,981,675	NA	NA
Energy Efficiency and Renewable Energy	739,812	60,058	233,553	446,201	NA	NA
Fossil Energy	363,267	8,114	136,897	218,256	NA	NA
National Nuclear Security Administration	3,302,414	26,529	2,046,064	1,229,821	NA	NA
Defense Programs	2,372,661	0	1,893,925	478,736	NA	NA
Fissile Materials Disposition	27,373	0	0	27,373	NA	NA
Naval Reactors	636,956	0	0	636,956	NA	NA
Nonproliferation and Verification	265,424	26,529	152,139	86,756	NA	NA
Office of Science	2,345,103	2,342,057	3,046	0	NA	NA
Other Department of Energy programs	293,568	41,083	165,088	87,397	NA	NA
Bonneville Power Administration	22,932	3,183	11,089	8,660	NA	NA
Civilian Radioactive Waste Management	62,522	0	62,522	0	NA	NA
Environmental Management	160,342	37,900	48,977	73,465	NA	NA
Nuclear Energy	42,500	0	42,500	0	NA	NA
Office of Intelligence	5,272	0	0	5,272	NA	NA
Department of Health and Human Services	24,011,614	12,860,758	10,370,131	780,725	NA	NA
Administration for Children and Families	23,293	0	23,293	0	NA	NA
Administration on Aging	3,728	0	3,728	0	NA	NA
Agency for Healthcare Research and Quality	298,719	0	274,821	23,898	NA	NA
Agency for Toxic Substances and Disease Registry	12,436	0	12,436	0	NA	NA
Centers for Disease Control and Prevention	521,000	0	521,000	0	NA	NA
Centers for Medicare and Medicaid Services	117,015	0	117,015	0	NA	NA
Food and Drug Administration	136,316	0	136,316	0	NA	NA
Health Resources and Services Administration	54,097	2,121	15,200	36,776	NA	NA
National Institutes of Health	22,110,101	12,843,779	9,266,322	0	NA	NA
Office of the Secretary	17,356	14,858	0	2,498	NA	NA
Office of the Assistant Secretary, Planning and Evaluation	14,858	14,858	0	0	NA	NA
Office of Public Health and Science	2,498	0	0	2,498	NA	NA
Substance Abuse and Mental Health Services Administration <sup>3</sup>	717,553	0	0	717,553	NA	NA
Department of Housing and Urban Development	45,346	0	16,216	29,130	NA	NA
Department of the Interior	632,768	45,829	511,556	75,383	NA	NA
Bureau of Reclamation	10,390	0	3,636	6,754	NA	NA
Geological Survey	564,999	40,809	464,118	60,072	NA	NA
Minerals Management Service	31,198	0	31,198	0	NA	NA
National Park Service <sup>4</sup>	26,181	5,020	12,604	8,557	NA	NA
Department of Justice	99,155	25,396	23,756	50,003	NA	NA
Bureau of Prisons	8,717	0	3,642	5,075	NA	NA
Federal Bureau of Investigation	33,562	0	0	33,562	NA	NA
Office of Justice Programs	56,876	25,396	20,114	11,366	NA	NA
Department of Labor	166,391	30,238	15,279	120,874	NA	NA
Bureau of Labor Statistics	20,700	12,400	8,300	0	NA	NA
Employment and Training Administration	137,135	17,838	0	119,297	NA	NA
Occupational Safety and Health Administration	3,839	0	3,839	0	NA	NA
Office of the Secretary	1,249	0	342	907	NA	NA
Pension and Welfare Benefits Administration	2,733	0	2,733	0	NA	NA
Pension Benefit Guaranty Corporation	735	0	65	670	NA	NA
Department of State	2,304	0	2,304	0	NA	NA

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

TABLE C-5. Federal obligations for research and development, by agency and character of work: FY 2002  
(Dollars in thousands)

Agency	Total R&D	Basic research	Applied research	Development		
				Total	Advanced technology	Major systems
Department of Transportation	815,501	36,306	494,581	284,614	NA	NA
Coast Guard	22,031	0	6,408	15,623	NA	NA
Federal Aviation Administration	345,108	0	244,839	100,269	NA	NA
Federal Highway Administration	258,333	17,426	121,149	119,758	NA	NA
Federal Motor Carrier Safety Administration	3,736	0	165	3,571	NA	NA
Federal Railroad Administration	33,223	0	29,744	3,479	NA	NA
Federal Transit Administration	5,833	0	592	5,241	NA	NA
National Highway Traffic Safety Administration	59,624	0	59,624	0	NA	NA
Office of the Secretary	18,425	0	0	18,425	NA	NA
Research and Special Programs Administration	10,188	0	3,740	6,448	NA	NA
Transportation Security Administration	59,000	18,880	28,320	11,800	NA	NA
Department of the Treasury	74,436	703	61,128	12,605	NA	NA
Bureau of Engraving and Printing	7,074	703	4,615	1,756	NA	NA
Internal Revenue Service	55,539	0	55,539	0	NA	NA
Office of Thrift Supervision	147	0	147	0	NA	NA
United States Customs Service	10,609	0	40	10,569	NA	NA
United States Mint	280	0	0	280	NA	NA
United States Secret Service	787	0	787	0	NA	NA
Department of Veterans Affairs	328,806	141,705	172,601	14,500	NA	NA
Other agencies						
Agency for International Development	269,798	106	247,469	22,223	NA	NA
Appalachian Regional Commission	670	0	670	0	NA	NA
Broadcasting Board of Governors	250	0	250	0	NA	NA
Environmental Protection Agency	415,200	63,800	259,900	91,500	NA	NA
Federal Communications Commission	4,417	0	4,417	0	NA	NA
Federal Trade Commission	1,803	0	1,803	0	NA	NA
Library of Congress	3,003	0	1,743	1,260	NA	NA
National Aeronautics and Space Administration	7,508,230	1,984,711	2,853,827	2,669,692	NA	NA
National Archives and Records Administration	120	0	120	0	NA	NA
National Science Foundation	3,260,008	3,074,546	185,462	0	NA	NA
Nuclear Regulatory Commission	74,314	0	74,314	0	NA	NA
Smithsonian Institution	106,000	106,000	0	0	NA	NA
Social Security Administration	22,799	0	22,799	0	NA	NA

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

<sup>2</sup> 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.

<sup>3</sup> 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.

<sup>4</sup> 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.

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.