

TABLE 5. Federal obligations for research and development, by agency and character of work: FY 2003

(Dollars in thousands)

Agency	Total R&D	Basic research	Applied research	Development		
				Total	Advanced technology	Major systems
All agencies	93,661,338	24,751,441	26,320,402	42,589,495	NA	NA
Departments						
Department of Agriculture	2,039,588	961,563	907,565	170,460	NA	NA
Agricultural Marketing Service	4,838	0	4,138	700	NA	NA
Agricultural Research Service	1,062,000	584,100	382,320	95,580	NA	NA
Animal and Plant Health Inspection Service	27,956	0	0	27,956	NA	NA
Cooperative State Research, Education, and Extension Service	568,098	248,169	319,929	0	NA	NA
Economic Research Service	68,420	6,842	61,578	0	NA	NA
Foreign Agricultural Service	1,600	912	688	0	NA	NA
Forest Service	292,000	119,720	131,400	40,880	NA	NA
Grain Inspection, Packers, and Stockyards Administration	5,344	0	0	5,344	NA	NA
National Agricultural Statistics Service	5,532	1,820	3,712	0	NA	NA
Rural Business-Cooperative Service	3,800	0	3,800	0	NA	NA
Department of Commerce	1,207,952	65,859	988,265	153,828	NA	NA
Economic Development Administration	507	0	507	0	NA	NA
National Institute of Standards and Technology	476,013	65,544	315,482	94,987	NA	NA
National Oceanic and Atmospheric Administration	685,364	0	665,579	19,785	NA	NA
National Telecommunications and Information Administration	23,523	0	6,382	17,141	NA	NA
U.S. Census Bureau	22,545	315	315	21,915	NA	NA
Department of Defense	42,031,202	1,396,094	4,419,519	36,215,589	6,116,856	30,098,733
Defense agencies	12,502,941	512,845	1,699,243	10,290,853	2,512,182	7,778,671
Chemical and Biological Defense	355,334	37,891	153,575	163,868	88,198	75,670
Defense Advanced Research Projects Agency	2,408,321	172,341	1,095,493	1,140,487	1,034,229	106,258
Defense Information Systems Agency	266,470	0	0	266,470	0	266,470
Defense Logistics Agency	189,233	0	23,946	165,287	136,327	28,960
Defense Threat Reduction Agency	543,842	0	357,918	185,924	185,924	0
Joint Staff	109,284	0	0	109,284	0	109,284
Missile Defense Agency	6,869,681	0	0	6,869,681	194,693	6,674,988
Special Operations Command	519,479	0	23,802	495,677	80,546	415,131
Washington Headquarters Services	1,241,297	302,613	44,509	894,175	792,265	101,910
Department of the Air Force	8,393,029	238,225	1,091,131	7,063,673	1,642,769	5,420,904
Materiel Command	5,596,075	192,825	1,078,506	4,324,744	629,340	3,695,404
Space Command	2,796,954	45,400	12,625	2,738,929	1,013,429	1,725,500
Department of the Army	7,609,531	240,572	876,965	6,491,994	NA	NA
Civil Functions	50,631	3,038	26,834	20,759	NA	NA
Military Functions	7,558,900	237,534	850,131	6,471,235	1,073,814	5,397,421
Department of the Navy	13,290,026	404,452	752,180	12,133,394	858,103	11,275,291
Operational Test and Evaluation, Director	235,675	0	0	235,675	9,229	226,446
Department of Education	302,852	5,500	196,121	101,231	NA	NA
Department of Energy	7,411,894	2,446,872	2,813,726	2,151,296	NA	NA
Bonneville Power Administration	23,345	3,278	11,407	8,660	NA	NA
Civilian Radioactive Waste Management	75,782	0	75,782	0	NA	NA
Energy Efficiency and Renewable Energy	682,315	30,578	279,895	371,842	NA	NA
Environmental Management	69,447	0	20,834	48,613	NA	NA
Fossil Energy	639,302	9,948	245,888	383,466	NA	NA

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Agency	Total R&D	Basic research	Applied research	Development		
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National Nuclear Security Administration	3,475,359	10,655	2,147,670	1,317,034	NA	NA
Defense Programs	2,576,720	0	2,009,874	566,846	NA	NA
Fissile Materials Disposition	25,071	0	0	25,071	NA	NA
Naval Reactors	650,027	0	0	650,027	NA	NA
Nonproliferation and Verification	223,541	10,655	137,796	75,090	NA	NA
Nuclear Energy	47,062	0	29,412	17,650	NA	NA
Office of Intelligence	4,031	0	0	4,031	NA	NA
Office of Science	2,395,251	2,392,413	2,838	0	NA	NA
Department of Health and Human Services	26,399,074	14,102,529	12,185,284	111,261	NA	NA
Administration for Children and Families	20,892	0	20,892	0	NA	NA
Agency for Healthcare Research and Quality	308,652	0	283,960	24,692	NA	NA
Agency for Toxic Substances and Disease Registry	14,320	0	14,320	0	NA	NA
Centers for Disease Control and Prevention	564,000	0	564,000	0	NA	NA
Centers for Medicare and Medicaid Services	73,570	0	73,570	0	NA	NA
Food and Drug Administration	138,325	0	138,325	0	NA	NA
Health Resources and Services Administration	43,173	2,500	13,959	26,714	NA	NA
National Institutes of Health	25,156,421	14,100,029	11,056,392	0	NA	NA
Office of the Secretary	22,485	0	19,866	2,619	NA	NA
Office of the Assistant Secretary, Planning and Evaluation	19,866	0	19,866	0	NA	NA
Office of Public Health and Science	2,619	0	0	2,619	NA	NA
Substance Abuse and Mental Health Services ^a Administration	57,236	0	0	57,236	NA	NA
Department of Housing and Urban Development	39,045	0	13,962	25,083	NA	NA
Department of the Interior	596,725	40,735	492,734	63,256	NA	NA
Bureau of Reclamation	9,451	0	3,308	6,143	NA	NA
Geological Survey	550,243	40,735	456,246	53,262	NA	NA
Minerals Management Service	26,721	0	26,721	0	NA	NA
National Park Service ^b	10,310	0	6,459	3,851	NA	NA
Department of Justice	148,222	31,212	25,431	91,579	NA	NA
Bureau of Prisons	9,742	0	4,785	4,957	NA	NA
Federal Bureau of Investigation	42,798	0	0	42,798	NA	NA
Office of Justice Programs	95,682	31,212	20,646	43,824	NA	NA
Department of Labor	189,055	13,100	23,154	152,801	NA	NA
Bureau of Labor Statistics	20,600	13,100	7,500	0	NA	NA
Employee Benefits Security Administration	2,692	0	2,692	0	NA	NA
Employment and Training Administration	160,000	0	9,000	151,000	NA	NA
Occupational Safety and Health Administration	3,076	0	3,076	0	NA	NA
Office of the Secretary	1,780	0	819	961	NA	NA
Pension Benefit Guaranty Corporation	907	0	67	840	NA	NA
Department of State	2,265	0	2,265	0	NA	NA
Department of Transportation	693,318	24,455	408,431	260,432	NA	NA
Federal Aviation Administration	245,026	0	135,649	109,377	NA	NA
Federal Highway Administration	305,204	24,455	168,331	112,418	NA	NA
Federal Motor Carrier Safety Administration	6,846	0	6,846	0	NA	NA
Federal Railroad Administration	32,163	0	28,742	3,421	NA	NA
Federal Transit Administration	7,111	0	0	7,111	NA	NA
National Highway Traffic Safety Administration	65,380	0	65,380	0	NA	NA

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Office of the Secretary	20,980	0	0	20,980	NA	NA
Research and Special Programs Administration	10,608	0	3,483	7,125	NA	NA
Department of the Treasury	60,000	239	58,508	1,253	NA	NA
Bureau of Engraving and Printing	4,910	239	4,074	597	NA	NA
Internal Revenue Service	54,434	0	54,434	0	NA	NA
U.S. Mint	656	0	0	656	NA	NA
Department of Veterans Affairs	365,363	163,995	185,555	15,813	NA	NA
Other agencies						
Agency for International Development	285,970	100	262,314	23,556	NA	NA
Appalachian Regional Commission	732	0	732	0	NA	NA
Environmental Protection Agency	567,100	96,400	365,400	105,300	NA	NA
Federal Communications Commission	4,453	0	4,453	0	NA	NA
Federal Trade Commission	2,280	0	2,280	0	NA	NA
Library of Congress	1,750	0	519	1,231	NA	NA
National Aeronautics and Space Administration	7,499,005	1,907,804	2,645,675	2,945,526	NA	NA
National Archives and Records Administration	120	0	120	0	NA	NA
National Science Foundation	3,608,604	3,390,984	217,620	0	NA	NA
Nuclear Regulatory Commission	63,987	0	63,987	0	NA	NA
Smithsonian Institution	104,000	104,000	0	0	NA	NA
Social Security Administration	36,782	0	36,782	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.

^b Obligations for FY 2003–05 are for National Park Service's (NPS) natural resources program only; data for NPS cultural resources program were not available for this survey cycle.

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.