



Federal Funds for Research and Development: Fiscal Years 2004–06

Detailed Statistical Tables | NSF 07-323 | June 2007

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General Notes

This report, volume 54 of the Federal Funds series of detailed statistical tables, presents data derived from the Survey of Federal Funds for Research and Development for fiscal years 2004–06. Data for 2004 represent completed transactions. Data for 2005 and 2006 are estimated. During the second quarter of FY 2005, surveys were sent to all federal agencies that were identified as conducting research and development programs. Thirty agencies reported R&D funding levels. The amounts reported for 2005 reflect congressional appropriation actions as of that period, as well as apportionment and reprogramming decisions as of that time. Data for 2006 represent administration budget proposals that had not been acted on at the time of the survey. Authorization, appropriation, deferral, and apportionment actions that were completed after these data were collected will be reflected in later surveys of this series. For trend comparison, use only the historical data for fiscal years 1985–2006 contained in tables 96 through 131 in this volume of the Federal Funds series. These tables incorporate changes in prior-year data made by the agencies to reflect program reclassifications. Do not use data published earlier.

R&D totals in the tables are given in both outlays and obligations. The R&D obligations data are further categorized according to character of work (basic research, applied research, and development), performer, field of science or engineering (for research but not for development), and federal R&D funding by state. Obligations for research performance at universities and colleges by fields of science or engineering are also shown, as are R&D plant data.

The amounts reported for each year are expressed in obligations or outlays incurred or expected to be incurred in that year, regardless of when the funds may have been authorized, appropriated, or received by an agency, and regardless of whether the funds are identified in an agency's budget specifically for research, development, or R&D plant.

Accuracy of the data depends in part on the federal respondents. Because many agency R&D programs are not identified as budget line items, agency officials must identify R&D and R&D plant activities within broader programs. Over the years, personnel of the participating agencies have developed increasing skill and consistency in meeting the survey requirements, and their interactions with National Science Foundation staff have considerably increased the reliability of the data.

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TABLE 1. Federal obligations for research and development, by character of work and R&D plant: FY 1951–2006

(Dollars in thousands)

Fiscal year	Total	Total R&D	Basic research	Applied research	Development	R&D plant
1951	1,851,571	1,521,527	NA	NA	NA	330,044
1952	2,216,848	1,909,665	120,945	NA	NA	307,183
1953	2,167,456	1,919,543	115,997	NA	NA	247,913
1954	1,918,046	1,761,840	116,033	NA	NA	156,206
1955	2,251,894	2,044,593	130,068	NA	NA	207,301
1956	3,266,903	2,988,203	206,441	645,506	2,136,256	278,700
1957	4,389,237	3,932,001	262,348	662,199	3,007,454	457,236
1958	4,906,015	4,569,722	334,543	744,264	3,490,915	336,293
1959	7,122,610	6,693,510	465,981	874,272	5,353,257	429,100
1960	8,080,015	7,551,746	590,374	1,282,135	5,679,237	528,269
1961	9,607,023	9,058,623	814,513	1,663,431	6,580,679	548,400
1962	11,069,059	10,289,947	986,314	2,018,481	7,285,152	779,112
1963	13,662,879	12,494,611	1,151,753	2,356,150	8,986,708	1,168,268
1964	15,323,870	14,225,354	1,303,000	2,571,452	10,350,902	1,098,516
1965	15,745,852	14,614,249	1,435,469	2,811,761	10,367,019	1,131,603
1966	16,178,640	15,320,334	1,579,181	3,081,066	10,660,087	858,306
1967	17,149,186	16,529,099	1,845,847	2,785,543	11,897,709	620,087
1968	16,525,038	15,921,208	1,840,562	2,940,500	11,140,146	603,830
1969	16,309,900	15,640,888	1,944,773	2,700,117	10,995,998	669,012
1970	15,863,385	15,338,937	1,925,908	2,974,890	10,438,139	524,448
1971	16,153,756	15,542,512	1,980,141	3,143,030	10,419,341	611,244
1972	17,097,951	16,495,895	2,186,937	3,360,759	10,948,199	602,056
1973	17,574,486	16,800,153	2,232,006	3,349,423	11,218,724	774,333
1974	18,176,457	17,410,128	2,387,681	3,787,559	11,234,888	766,329
1975	19,859,548	19,038,818	2,588,427	4,141,281	12,309,110	820,730
1976	21,616,382	20,779,658	2,767,454	4,851,878	13,160,326	836,724
1977	24,817,577	23,450,377	3,258,640	5,255,475	14,936,262	1,367,200
1978	27,140,849	25,845,137	3,698,604	5,908,154	16,238,379	1,295,712
1979	29,620,597	28,145,142	4,192,665	6,342,340	17,610,137	1,475,455
1980	31,386,095	29,830,432	4,674,156	6,923,222	18,233,054	1,555,663
1981	34,589,634	33,103,924	5,041,295	7,171,485	20,891,144	1,485,710
1982	37,822,363	36,432,589	5,481,605	7,540,580	23,410,404	1,389,774
1983	40,009,032	38,711,537	6,260,131	7,993,394	24,458,012	1,297,495
1984	44,012,149	42,224,865	7,067,359	7,911,414	27,246,092	1,787,284
1985	50,180,369	48,359,565	7,818,682	8,314,739	32,226,144	1,820,804
1986	52,951,181	51,412,364	8,153,076	8,349,123	34,910,165	1,538,817
1987	57,099,656	55,253,693	8,942,425	8,998,096	37,313,172	1,845,963
1988	58,826,512	56,769,425	9,473,618	9,176,527	38,119,280	2,057,087
1989	63,571,605	61,406,484	10,602,011	10,163,520	40,640,953	2,165,121
1990	65,831,189	63,559,471	11,285,593	10,336,771	41,937,107	2,271,718
1991	64,147,951	61,295,152	12,170,794	11,797,583	37,326,775	2,852,799
1992	68,577,184	65,592,590	12,489,864	12,000,734	41,101,992	2,984,594
1993	70,414,697	67,314,025	13,399,121	13,491,376	40,423,528	3,100,672
1994	69,450,776	67,235,390	13,523,476	13,887,733	39,824,181	2,215,386
1995	70,442,935	68,186,798	13,877,031	14,557,365	39,752,402	2,256,137
1996	69,399,164	67,653,047	14,464,035	13,795,729	39,393,283	1,746,117
1997	71,753,430	69,826,779	14,941,892	14,423,397	40,461,490	1,926,651
1998	73,913,988	72,100,724	15,613,012	15,309,257	41,178,455	1,813,264
1999	77,386,368	75,340,622	17,443,653	16,083,861	41,813,108	2,045,746
2000	77,356,165	72,863,318	19,569,849	18,900,781	34,392,688	4,492,847

TABLE 1. Federal obligations for research and development, by character of work and R&D plant: FY 1951–2006

(Dollars in thousands)

Fiscal year	Total	Total R&D	Basic research	Applied research	Development	R&D plant
2001	84,003,042	79,933,214	21,958,136	22,755,600	35,219,478	4,069,828
2002	90,157,711	85,852,968	23,668,345	24,338,366	37,846,257	4,304,743
2003	97,927,856	93,661,338	24,751,441	26,320,402	42,589,495	4,266,518
2004	105,370,666	101,376,514	26,120,663	27,237,148	48,018,703	3,994,152
2005 (preliminary)	113,118,351	109,194,225	26,919,381	28,626,913	53,647,931	3,924,126
2006 (preliminary)	112,076,012	108,394,134	26,938,119	28,040,984	53,415,031	3,681,878

NA = not available (data collected for this table were not recorded at that level in that particular fiscal year).

NOTES: Since FY 2000, National Institutes of Health has classified all its development activities as research. In FY 2000, National Aeronautics and Space Administration reclassified Space Station as a physical asset, reclassified Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 2. Summary of federal obligations and outlays for research, development, and R&D plant, by character of work, performer, and field: FY 2004–06
(Dollars in millions)

Character of work, performer, and field	2004	Preliminary			
		2005	% change 2004–05	2006	% change 2005–06
Outlays for research and development and R&D plant	98,551.2	104,238.0	5.8	107,380.8	3.0
Research and development	94,695.6	100,345.4	6.0	103,715.2	3.4
R&D plant	3,855.6	3,892.6	1.0	3,665.7	-5.8
Obligations for research and development and R&D plant	105,370.7	113,118.4	7.4	112,076.0	-0.9
Research and development	101,376.5	109,194.2	7.7	108,394.1	-0.7
Performer					
Intramural ^a	22,423.2	24,907.9	11.1	24,251.3	-2.6
Industry	39,214.6	43,518.4	11.0	44,314.8	1.8
Industry FFRDCs	1,543.1	1,619.3	4.9	1,502.9	-7.2
Universities and colleges	24,169.7	24,870.4	2.9	24,277.1	-2.4
University and college FFRDCs	5,400.9	5,530.9	2.4	5,431.6	-1.8
Other nonprofit institutions	5,623.7	5,813.4	3.4	5,724.3	-1.5
Nonprofit FFRDCs	1,443.2	1,468.8	1.8	1,465.4	-0.2
State and local governments	880.1	883.3	0.4	878.4	-0.6
Foreign	677.9	581.7	-14.2	548.3	-5.7
Research	53,357.8	55,546.3	4.1	54,979.1	-1.0
Performer					
Intramural ^a	12,085.2	12,810.4	6.0	12,734.2	-0.6
Industry	6,782.7	7,418.7	9.4	7,385.6	-0.4
Industry FFRDCs	1,131.6	1,122.6	-0.8	1,081.3	-3.7
Universities and colleges	22,699.1	23,244.9	2.4	22,915.1	-1.4
University and college FFRDCs	3,687.3	3,767.4	2.2	3,673.3	-2.5
Other nonprofit institutions	5,216.4	5,329.9	2.2	5,336.2	0.1
Nonprofit FFRDCs	795.5	865.3	8.8	862.2	-0.4
State and local governments	532.9	549.6	3.1	549.3	-0.1
Foreign	427.0	437.5	2.4	441.9	1.0
Field of science					
Environmental sciences	3,741.6	3,876.0	3.6	3,754.4	-3.1
Life sciences	27,728.5	28,543.2	2.9	28,207.2	-1.2
Mathematics and computer sciences	2,949.4	3,115.2	5.6	3,080.7	-1.1
Physical sciences	5,211.1	5,473.3	5.0	5,393.6	-1.5
Psychology	1,854.9	1,916.0	3.3	1,934.2	1.0
Social sciences	1,089.6	1,131.5	3.8	1,177.8	4.1
Other sciences, nec	1,916.3	2,010.3	4.9	2,034.2	1.2
Engineering	8,866.4	9,480.8	6.9	9,396.9	-0.9
Basic research	26,120.7	26,919.4	3.1	26,938.1	0.1
Performer					
Intramural ^a	4,671.6	4,923.0	5.4	4,915.1	-0.2
Industry	1,969.4	2,166.6	10.0	2,204.5	1.7
Industry FFRDCs	292.2	299.1	2.4	295.0	-1.4
Universities and colleges	13,398.5	13,559.9	1.2	13,483.5	-0.6
University and college FFRDCs	2,005.8	2,108.0	5.1	2,170.2	3.0
Other nonprofit institutions	2,746.1	2,756.3	0.4	2,754.7	-0.1
Nonprofit FFRDCs	606.8	666.4	9.8	666.4	0.0
State and local governments	197.9	204.7	3.4	209.3	2.2
Foreign	232.3	235.3	1.3	239.4	1.7

TABLE 2. Summary of federal obligations and outlays for research, development, and R&D plant, by character of work, performer, and field: FY 2004–06
(Dollars in millions)

Character of work, performer, and field	2004	Preliminary			
		2005	% change 2004–05	2006	% change 2005–06
Field of science					
Environmental sciences	2,022.9	2,060.4	1.9	2,081.6	1.0
Life sciences	14,490.0	14,815.5	2.2	14,684.7	-0.9
Mathematics and computer sciences	1,239.1	1,278.9	3.2	1,253.7	-2.0
Physical sciences	3,662.6	3,815.8	4.2	3,794.2	-0.6
Psychology	979.2	1,014.9	3.6	1,027.6	1.3
Social sciences	419.3	429.6	2.5	444.6	3.5
Other sciences, nec	1,035.9	1,080.3	4.3	1,087.4	0.7
Engineering	2,271.7	2,424.1	6.7	2,564.4	5.8
Applied research	27,237.1	28,626.9	5.1	28,041.0	-2.0
Performer					
Intramural ^a	7,413.6	7,887.4	6.4	7,819.1	-0.9
Industry	4,813.3	5,252.1	9.1	5,181.1	-1.4
Industry FFRDCs	839.3	823.5	-1.9	786.3	-4.5
Universities and colleges	9,300.6	9,685.0	4.1	9,431.6	-2.6
University and college FFRDCs	1,681.6	1,659.4	-1.3	1,503.1	-9.4
Other nonprofit institutions	2,470.3	2,573.6	4.2	2,581.5	0.3
Nonprofit FFRDCs	188.7	198.9	5.4	195.8	-1.6
State and local governments	335.0	344.9	3.0	340.0	-1.4
Foreign	194.7	202.1	3.8	202.5	0.2
Field of science					
Environmental sciences	1,718.7	1,815.6	5.6	1,672.9	-7.9
Life sciences	13,238.5	13,727.7	3.7	13,522.5	-1.5
Mathematics and computer sciences	1,710.3	1,836.3	7.4	1,827.0	-0.5
Physical sciences	1,548.6	1,657.5	7.0	1,599.5	-3.5
Psychology	875.6	901.1	2.9	906.6	0.6
Social sciences	670.3	701.9	4.7	733.2	4.5
Other sciences, nec	880.5	930.0	5.6	946.8	1.8
Engineering	6,594.7	7,056.8	7.0	6,832.5	-3.2
Development	48,018.7	53,647.9	11.7	53,415.0	-0.4
Performer					
Intramural ^a	10,338.0	12,097.5	17.0	11,517.1	-4.8
Industry	32,431.8	36,099.8	11.3	36,929.2	2.3
Industry FFRDCs	411.6	496.7	20.7	421.6	-15.1
Universities and colleges	1,470.6	1,625.5	10.5	1,362.0	-16.2
University and college FFRDCs	1,713.5	1,763.5	2.9	1,758.4	-0.3
Other nonprofit institutions	407.4	483.5	18.7	388.1	-19.7
Nonprofit FFRDCs	647.7	603.5	-6.8	603.2	0.0
State and local governments	347.2	333.7	-3.9	329.1	-1.4
Foreign	250.9	144.3	-42.5	106.4	-26.2
R&D plant	3,994.2	3,924.1	-1.8	3,681.9	-6.2
Performer					
Intramural ^a	961.3	938.1	-2.4	859.5	-8.4
Industry	1,442.0	1,573.6	9.1	1,486.8	-5.5
Industry FFRDCs	188.3	127.7	-32.2	89.1	-30.3
Universities and colleges	354.3	295.8	-16.5	280.6	-5.1
University and college FFRDCs	603.9	563.9	-6.6	566.7	0.5

TABLE 2. Summary of federal obligations and outlays for research, development, and R&D plant, by character of work, performer, and field: FY 2004–06
(Dollars in millions)

Character of work, performer, and field	2004	Preliminary			
		2005	% change 2004–05	2006	% change 2005–06
Other nonprofit institutions	164.5	163.5	-0.6	169.7	3.8
Nonprofit FFRDCs	252.4	232.6	-7.9	199.1	-14.4
State and local governments	15.8	16.6	5.1	17.5	5.1
Foreign	11.7	12.3	5.0	12.9	5.0

FFRDCs = federally funded research and development centers.

nec = not elsewhere classified.

^a Includes costs associated with administration of intramural and extramural programs by federal personnel and actual intramural performance.

NOTES: Because of rounding, detail may not add to total. Percentages are computed using dollars in thousands.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 3. Federal obligations and outlays for research, development, and R&D plant, by agency: FY 2004–06
(Dollars in millions)

Agency	Obligations			Outlays		
	2004	Preliminary		2004	Preliminary	
		2005	2006		2005	2006
All agencies	105,370.7	113,118.4	112,076.0	98,551.2	104,238.0	107,380.8
Departments						
Department of Agriculture	2,281.6	2,510.2	2,035.0	2,161.4	2,250.1	2,056.0
Agricultural Marketing Service	9.0	9.0	6.6	8.4	9.0	6.6
Agricultural Research Service	1,258.6	1,292.4	1,060.9	1,192.9	1,227.7	1,140.1
Animal and Plant Health Inspection Service	24.4	25.6	22.6	24.4	25.6	22.6
Cooperative State Research, Education, and Extension Service	585.7	749.9	525.8	506.8	538.3	442.7
Economic Research Service	70.8	74.2	80.7	65.7	73.0	80.0
Foreign Agricultural Service	1.6	1.6	1.6	1.6	1.6	1.6
Forest Service	314.9	340.6	320.4	345.0	358.0	346.0
Grain Inspection, Packers, and Stockyards Administration	6.7	7.1	8.5	6.7	7.1	8.5
National Agricultural Statistics Service	6.1	6.2	6.2	6.1	6.2	6.2
Rural Business-Cooperative Service	3.8	3.7	1.7	3.8	3.7	1.7
Department of Commerce	1,148.6	1,171.7	985.4	1,156.6	992.5	1,099.4
Economic Development Administration	0.2	0.5	0.0	0.2	0.5	0.0
National Institute of Standards and Technology	481.6	489.9	417.2	558.1	440.7	515.6
National Oceanic and Atmospheric Administration	618.5	653.0	532.4	550.0	523.0	548.0
National Telecommunications and Information Administration	24.2	6.3	9.2	24.2	6.3	9.2
U.S. Census Bureau	24.2	22.0	26.6	24.2	22.0	26.6
Department of Defense	47,369.6	52,819.1	52,609.2	42,686.0	45,906.2	48,519.9
Defense agencies and activities	13,188.7	15,731.4	14,658.3	11,140.8	12,929.8	14,555.3
Chemical and Biological Defense	471.9	419.8	705.0	342.9	285.0	545.8
Defense Advanced Research Projects Agency	2,514.8	3,209.6	3,269.2	2,664.3	2,850.7	2,987.5
Defense Contract Management Agency	18.6	16.1	23.8	13.3	22.8	29.1
Defense Information Systems Agency	265.8	269.0	307.4	292.3	261.4	261.8
Defense Logistics Agency	215.2	301.0	130.3	182.9	229.1	163.8
Defense Threat Reduction Agency	392.2	480.6	414.2	456.8	438.1	428.7
Joint Staff	107.7	106.4	92.4	107.7	106.4	92.4
Missile Defense Agency	7,338.5	8,111.3	7,867.8	5,331.4	6,321.3	8,100.6
Special Operations Command	543.3	621.6	425.7	556.2	616.4	523.5
Washington Headquarters Services	1,320.7	2,196.0	1,422.7	1,192.8	1,798.5	1,421.9
Department of the Air Force	9,640.6	9,457.5	10,707.2	9,242.1	9,788.5	9,850.6
Materiel Command	6,595.4	6,568.0	7,061.2	6,246.6	6,763.4	6,646.2
Space Command	3,045.2	2,889.5	3,646.0	2,995.5	3,025.0	3,204.3
Department of the Army	9,223.0	9,871.0	9,040.5	6,954.2	7,049.0	6,564.6
Department of the Navy	15,019.3	17,449.2	18,024.5	15,043.8	15,828.7	17,371.0
Operational Test and Evaluation, Director	298.2	310.0	178.6	305.0	310.1	178.4
Department of Education	311.4	295.6	314.7	226.9	424.0	319.1
Department of Energy	8,560.5	9,150.5	8,290.6	8,501.7	8,610.9	8,357.6
Bonneville Power Administration	24.7	24.9	25.9	24.0	24.9	25.9
Civilian Radioactive Waste Management	78.9	62.7	43.7	74.1	53.3	37.2
Energy Efficiency and Renewable Energy	603.6	581.6	645.0	603.6	581.6	645.0
Environmental Management	42.8	54.2	61.4	42.8	54.2	61.4

TABLE 3. Federal obligations and outlays for research, development, and R&D plant, by agency: FY 2004–06
(Dollars in millions)

Agency	Obligations			Outlays		
	2004	Preliminary		2004	Preliminary	
		2005	2006		2005	2006
Fossil Energy	532.3	1,083.2	478.9	505.5	538.8	557.5
National Nuclear Security Administration	4,036.3	3,927.4	3,757.6	4,005.3	3,940.0	3,752.6
Defense Programs	3,135.1	3,010.3	2,860.4	3,135.1	3,010.3	2,860.4
Fissile Materials Disposition	1.0	0.0	0.0	1.0	0.0	0.0
Naval Reactors	736.9	774.3	754.3	706.0	786.8	749.3
Nonproliferation and Verification	163.3	142.9	142.9	163.3	142.9	142.9
Nuclear Energy	74.3	81.8	94.1	79.3	81.8	94.1
Office of Science	3,167.8	3,334.5	3,184.0	3,167.0	3,336.3	3,184.0
Department of Health and Human Services	28,563.8	29,010.0	29,087.5	28,263.2	28,702.0	28,802.7
Administration for Children and Families	20.1	20.6	21.0	18.7	18.5	18.9
Administration on Aging	3.0	3.0	0.0	3.0	2.7	2.6
Agency for Healthcare Research and Quality	303.7	318.7	318.7	0.0	0.0	0.0
Agency for Toxic Substances and Disease Registry	10.7	9.5	9.8	10.7	9.5	9.8
Centers for Disease Control and Prevention	539.8	485.2	485.2	539.8	485.2	485.2
Centers for Medicare and Medicaid Services	77.6	78.1	45.2	89.0	94.9	84.4
Food and Drug Administration	140.8	150.6	151.8	134.0	147.0	145.9
Health Resources and Services Administration	48.0	52.8	21.4	48.0	52.8	21.4
National Institutes of Health	27,311.8	27,783.5	27,924.6	27,311.8	27,783.5	27,924.6
Office of the Secretary	21.1	19.0	19.0	21.1	19.0	19.0
Office of the Assistant Secretary, Planning and Evaluation	21.1	19.0	19.0	21.1	19.0	19.0
Substance Abuse and Mental Health Services Administration	87.2	88.9	90.7	87.2	88.9	90.7
Department of Homeland Security	1,063.2	1,632.1	1,628.1	592.3	1,383.2	1,632.7
Science and Technology Directorate	908.4	1,412.0	1,418.0	432.4	1,169.0	1,415.0
Transportation Security Administration	137.9	194.2	209.0	137.9	194.2	209.0
U.S. Coast Guard	16.0	24.7	0.0	21.1	18.8	7.6
U.S. Secret Service	1.0	1.1	1.1	1.0	1.1	1.1
Department of Housing and Urban Development	46.6	47.3	41.5	43.2	43.7	40.7
Department of the Interior	612.5	600.5	568.4	612.2	600.3	568.8
Bureau of Reclamation	16.3	19.0	14.7	16.3	19.0	14.7
Geological Survey	552.2	540.5	519.2	552.2	540.5	519.2
Minerals Management Service	29.8	30.5	27.7	29.5	30.3	28.1
National Park Service ^a	14.3	10.5	6.7	14.3	10.5	6.8
Department of Justice	105.3	112.6	129.2	68.7	64.1	69.3
Bureau of Prisons	10.8	10.5	10.5	9.4	10.5	10.5
Federal Bureau of Investigation	34.0	33.5	34.3	34.0	33.5	34.3
Office of Justice Programs	60.5	68.6	84.4	25.3	20.1	24.4
Department of Labor	199.4	228.7	235.1	198.2	227.4	233.6
Bureau of Labor Statistics	22.4	23.0	23.0	22.4	23.0	23.0
Employee Benefits Security Administration	2.5	2.7	2.7	1.3	1.3	1.3
Employment and Training Administration	170.0	198.0	204.0	170.1	198.2	204.0
Occupational Safety and Health Administration	3.4	3.4	3.5	3.3	3.4	3.5
Office of the Secretary	0.2	0.1	0.1	0.2	0.1	0.1
Pension Benefit Guaranty Corporation	0.9	1.4	1.8	0.9	1.4	1.8
Department of State	3.0	2.3	2.4	2.3	1.7	1.7

TABLE 3. Federal obligations and outlays for research, development, and R&D plant, by agency: FY 2004–06
(Dollars in millions)

Agency	Obligations			Outlays		
	2004	Preliminary		2004	Preliminary	
		2005	2006		2005	2006
Department of Transportation	647.0	744.2	790.8	569.4	723.3	969.0
Federal Aviation Administration	234.2	250.2	220.1	262.0	275.0	301.0
Federal Highway Administration	323.4	335.0	441.4	238.1	288.1	544.2
Federal Motor Carrier Safety Administration	6.4	8.3	9.6	4.3	6.0	6.0
Federal Railroad Administration	29.9	36.7	30.1	32.6	42.9	36.6
Federal Transit Administration	4.6	7.6	2.3	4.4	7.6	2.9
National Highway Traffic Safety Administration	6.7	61.1	62.4	7.0	53.0	51.0
Office of the Secretary	31.8	21.0	9.0	11.0	41.3	15.5
Pipeline and Hazardous Materials Safety Administration	10.0	21.7	12.1	10.0	7.0	8.0
Research and Innovative Technology Administration	0.0	2.5	3.8	0.0	2.4	3.8
Department of the Treasury	62.4	67.8	69.9	62.4	67.7	70.1
Bureau of Engraving and Printing	4.2	6.2	6.1	4.2	6.0	6.3
Internal Revenue Service	57.3	57.5	59.5	57.3	57.5	59.5
U.S. Mint	1.0	4.1	4.3	1.0	4.1	4.3
Department of Veterans Affairs	405.6	402.3	393.0	405.6	402.3	393.0
Other agencies						
Agency for International Development	264.8	256.6	256.6	254.0	258.0	258.0
Appalachian Regional Commission	0.6	0.8	0.8	0.6	0.8	0.8
Broadcasting Board of Governors	1.0	0.3	*	1.2	0.5	0.2
Environmental Protection Agency	661.9	572.2	568.2	0.2	0.1	0.2
Federal Communications Commission	8.5	7.2	6.6	8.5	7.2	6.6
Federal Trade Commission	1.6	1.6	1.6	1.6	1.6	1.6
General Services Administration	0.0	0.0	*	0.0	0.0	0.1
Library of Congress	18.0	9.1	1.7	1.2	20.8	5.9
National Aeronautics and Space Administration	8,654.1	9,180.0	9,637.9	8,746.3	9,183.6	9,642.8
National Archives and Records Administration	0.1	0.1	0.1	0.1	0.1	0.1
National Science Foundation	4,166.0	4,057.3	4,170.0	3,796.0	4,146.0	4,087.0
Nuclear Regulatory Commission	72.1	70.8	61.4	55.0	57.0	59.0
Smithsonian Institution	110.8	117.5	131.1	106.0	113.0	126.0
Social Security Administration	30.4	50.0	59.4	30.4	50.0	59.4

* = amount greater than 0 but less than \$50,000.

^a Obligations for FY 2004–06 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: Because of rounding, detail may not add to total. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 4. Federal obligations and outlays for research and development, by agency: FY 2004–06
(Dollars in millions)

Agency	Obligations			Outlays		
	2004	Preliminary		2004	Preliminary	
		2005	2006		2005	2006
All agencies	101,376.5	109,194.2	108,394.1	94,695.6	100,345.4	103,715.2
Departments						
Department of Agriculture	2,102.2	2,310.3	1,951.8	2,048.2	2,119.5	1,914.4
Agricultural Marketing Service	9.0	9.0	6.6	8.4	9.0	6.6
Agricultural Research Service	1,098.1	1,106.1	996.1	1,098.7	1,111.0	1,016.5
Animal and Plant Health Inspection Service	24.4	25.6	22.6	24.4	25.6	22.6
Cooperative State Research, Education, and Extension Service	585.7	749.9	525.8	506.8	538.3	442.7
Economic Research Service	70.8	74.2	80.7	65.7	73.0	80.0
Foreign Agricultural Service	1.6	1.6	1.6	1.6	1.6	1.6
Forest Service	296.0	327.0	302.0	326.0	344.0	328.0
Grain Inspection, Packers, and Stockyards Administration	6.7	7.1	8.5	6.7	7.1	8.5
National Agricultural Statistics Service	6.1	6.2	6.2	6.1	6.2	6.2
Rural Business-Cooperative Service	3.8	3.7	1.7	3.8	3.7	1.7
Department of Commerce	1,058.9	1,073.8	912.7	1,076.4	929.6	1,058.5
Economic Development Administration	0.2	0.5	0.0	0.2	0.5	0.0
National Institute of Standards and Technology	444.2	442.6	358.3	508.8	420.7	488.7
National Oceanic and Atmospheric Administration	566.3	602.3	518.6	519.0	480.0	534.0
National Telecommunications and Information Administration	24.2	6.3	9.2	24.2	6.3	9.2
U.S. Census Bureau	24.2	22.0	26.6	24.2	22.0	26.6
Department of Defense	47,095.0	52,487.6	52,306.2	42,498.2	45,630.3	48,338.1
Defense agencies and activities	13,067.6	15,556.5	14,624.1	11,074.2	12,791.2	14,517.7
Chemical and Biological Defense	471.9	419.8	705.0	342.9	285.0	545.8
Defense Advanced Research Projects Agency	2,514.8	3,209.6	3,269.2	2,664.3	2,850.7	2,987.5
Defense Contract Management Agency	18.6	16.1	23.8	13.3	22.8	29.1
Defense Information Systems Agency	265.8	269.0	307.4	292.3	261.4	261.8
Defense Logistics Agency	215.2	301.0	130.3	182.9	229.1	163.8
Defense Threat Reduction Agency	392.2	480.6	414.2	456.8	438.1	428.7
Joint Staff	107.7	106.4	92.4	107.7	106.4	92.4
Missile Defense Agency	7,217.4	7,936.4	7,833.6	5,264.8	6,182.7	8,063.0
Special Operations Command	543.3	621.6	425.7	556.2	616.4	523.5
Washington Headquarters Services	1,320.7	2,196.0	1,422.7	1,192.8	1,798.5	1,421.9
Department of the Air Force	9,621.1	9,439.6	10,573.8	9,232.4	9,779.0	9,840.8
Materiel Command	6,575.9	6,550.1	6,927.8	6,236.9	6,754.0	6,636.4
Space Command	3,045.2	2,889.5	3,646.0	2,995.5	3,025.0	3,204.3
Department of the Army	9,223.0	9,871.0	9,040.5	6,954.2	7,049.0	6,564.6
Department of the Navy	14,885.2	17,310.5	17,889.1	14,932.4	15,700.9	17,236.7
Operational Test and Evaluation, Director	298.2	310.0	178.6	305.0	310.1	178.4
Department of Education	311.4	295.6	314.7	226.9	424.0	319.1
Department of Energy	7,553.8	8,276.3	7,464.6	7,475.8	7,722.6	7,516.6
Bonneville Power Administration	24.7	24.9	25.9	24.0	24.9	25.9
Civilian Radioactive Waste Management	78.9	62.7	43.7	74.1	53.3	37.2
Energy Efficiency and Renewable Energy	583.9	559.2	610.2	583.9	559.2	610.2
Environmental Management	42.8	54.2	61.4	42.8	54.2	61.4

TABLE 4. Federal obligations and outlays for research and development, by agency: FY 2004–06
(Dollars in millions)

Agency	Obligations			Outlays		
	2004	Preliminary		2004	Preliminary	
		2005	2006		2005	2006
Fossil Energy	526.1	1,076.9	477.9	499.5	532.7	555.4
National Nuclear Security Administration	3,600.2	3,629.1	3,469.3	3,579.4	3,629.8	3,450.4
Defense Programs	2,727.4	2,744.8	2,605.4	2,727.4	2,744.8	2,605.4
Fissile Materials Disposition	1.0	0.0	0.0	1.0	0.0	0.0
Naval Reactors	708.6	741.4	721.0	687.8	742.1	702.1
Nonproliferation and Verification	163.3	142.9	142.9	163.3	142.9	142.9
Nuclear Energy	74.3	81.8	94.1	79.3	81.8	94.1
Office of Science	2,623.1	2,787.5	2,682.1	2,592.8	2,786.6	2,682.1
Department of Health and Human Services	28,133.2	28,712.6	28,964.4	27,834.6	28,402.7	28,680.0
Administration for Children and Families	20.1	20.6	21.0	18.7	18.5	18.9
Administration on Aging	3.0	3.0	0.0	3.0	2.7	2.6
Agency for Healthcare Research and Quality	303.7	318.7	318.7	0.0	0.0	0.0
Agency for Toxic Substances and Disease Registry	10.7	9.5	9.8	10.7	9.5	9.8
Centers for Disease Control and Prevention	539.8	485.2	485.2	539.8	485.2	485.2
Centers for Medicare and Medicaid Services	77.6	78.1	45.2	89.0	94.9	84.4
Food and Drug Administration	132.3	150.6	149.1	127.5	145.1	143.7
Health Resources and Services Administration	47.4	52.2	20.8	47.4	52.2	20.8
National Institutes of Health	26,890.4	27,486.8	27,804.8	26,890.4	27,486.8	27,804.8
Office of the Secretary	21.1	19.0	19.0	21.1	19.0	19.0
Office of the Assistant Secretary, Planning and Evaluation	21.1	19.0	19.0	21.1	19.0	19.0
Substance Abuse and Mental Health Services Administration	87.2	88.9	90.7	87.2	88.9	90.7
Department of Homeland Security	946.0	1,450.4	1,446.6	535.9	1,232.6	1,451.6
Science and Technology Directorate	792.2	1,231.3	1,236.5	377.0	1,019.4	1,233.9
Transportation Security Administration	137.9	194.2	209.0	137.9	194.2	209.0
U.S. Coast Guard	15.0	23.7	0.0	20.1	17.9	7.6
U.S. Secret Service	1.0	1.1	1.1	1.0	1.1	1.1
Department of Housing and Urban Development	46.6	47.3	41.5	43.2	43.7	40.7
Department of the Interior	604.6	592.7	561.1	604.6	592.5	561.5
Bureau of Reclamation	10.9	13.7	10.0	10.9	13.7	10.0
Geological Survey	552.2	540.5	519.2	552.2	540.5	519.2
Minerals Management Service	27.2	27.9	25.2	27.2	27.8	25.5
National Park Service ^a	14.3	10.5	6.7	14.3	10.5	6.8
Department of Justice	105.3	112.6	129.2	68.7	64.1	69.3
Bureau of Prisons	10.8	10.5	10.5	9.4	10.5	10.5
Federal Bureau of Investigation	34.0	33.5	34.3	34.0	33.5	34.3
Office of Justice Programs	60.5	68.6	84.4	25.3	20.1	24.4
Department of Labor	199.4	228.7	235.1	198.2	227.4	233.6
Bureau of Labor Statistics	22.4	23.0	23.0	22.4	23.0	23.0
Employee Benefits Security Administration	2.5	2.7	2.7	1.3	1.3	1.3
Employment and Training Administration	170.0	198.0	204.0	170.1	198.2	204.0
Occupational Safety and Health Administration	3.4	3.4	3.5	3.3	3.4	3.5
Office of the Secretary	0.2	0.1	0.1	0.2	0.1	0.1
Pension Benefit Guaranty Corporation	0.9	1.4	1.8	0.9	1.4	1.8
Department of State	3.0	2.3	2.4	2.3	1.7	1.7

TABLE 4. Federal obligations and outlays for research and development, by agency: FY 2004–06
(Dollars in millions)

Agency	Obligations			Outlays		
	2004	Preliminary		2004	Preliminary	
		2005	2006		2005	2006
Department of Transportation	629.3	725.5	771.4	554.6	707.2	950.8
Federal Aviation Administration	217.8	233.1	202.0	248.0	260.0	284.0
Federal Highway Administration	323.4	335.0	441.4	238.1	288.1	544.2
Federal Motor Carrier Safety Administration	6.4	8.3	9.6	4.3	6.0	6.0
Federal Railroad Administration	28.6	35.1	28.8	31.8	41.9	35.4
Federal Transit Administration	4.6	7.6	2.3	4.4	7.6	2.9
National Highway Traffic Safety Administration	6.7	61.1	62.4	7.0	53.0	51.0
Office of the Secretary	31.8	21.0	9.0	11.0	41.3	15.5
Pipeline and Hazardous Materials Safety Administration	10.0	21.7	12.1	10.0	7.0	8.0
Research and Innovative Technology Administration	0.0	2.5	3.8	0.0	2.4	3.8
Department of the Treasury	62.4	67.8	69.9	62.4	67.7	70.1
Bureau of Engraving and Printing	4.2	6.2	6.1	4.2	6.0	6.3
Internal Revenue Service	57.3	57.5	59.5	57.3	57.5	59.5
U.S. Mint	1.0	4.1	4.3	1.0	4.1	4.3
Department of Veterans Affairs	405.2	402.1	392.7	405.2	402.1	392.7
Other agencies						
Agency for International Development	264.8	256.6	256.6	254.0	258.0	258.0
Appalachian Regional Commission	0.6	0.8	0.8	0.6	0.8	0.8
Broadcasting Board of Governors	1.0	0.3	*	1.2	0.5	0.2
Environmental Protection Agency	661.9	572.2	568.2	0.2	0.1	0.2
Federal Communications Commission	8.5	7.2	6.6	8.5	7.2	6.6
Federal Trade Commission	1.6	1.6	1.6	1.6	1.6	1.6
Library of Congress	18.0	9.1	1.7	1.2	20.8	5.9
National Aeronautics and Space Administration	7,182.5	7,636.1	8,017.9	7,165.5	7,523.8	7,900.0
National Archives and Records Administration	0.1	0.1	0.1	0.1	0.1	0.1
National Science Foundation	3,770.7	3,695.0	3,740.6	3,439.0	3,754.0	3,716.0
Nuclear Regulatory Commission	72.1	70.8	61.4	55.0	57.0	59.0
Smithsonian Institution	108.0	109.0	115.0	103.0	104.0	109.0
Social Security Administration	30.4	50.0	59.4	30.4	50.0	59.4

* = amount greater than 0 but less than \$50,000.

^a Obligations for FY 2004–06 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: Because of rounding, detail may not add to total. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 5. 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	101,376,514	26,120,663	27,237,148	48,018,703	NA	NA
Departments						
Department of Agriculture	2,102,209	919,928	998,898	183,383	NA	NA
Agricultural Marketing Service	8,960	0	7,942	1,018	NA	NA
Agricultural Research Service	1,098,057	538,048	450,203	109,806	NA	NA
Animal and Plant Health Inspection Service	24,389	0	0	24,389	NA	NA
Cooperative State Research, Education, and Extension Service	585,717	251,169	334,548	0	NA	NA
Economic Research Service	70,830	7,083	63,747	0	NA	NA
Foreign Agricultural Service	1,600	448	1,152	0	NA	NA
Forest Service	296,000	121,360	133,200	41,440	NA	NA
Grain Inspection, Packers, and Stockyards Administration	6,730	0	0	6,730	NA	NA
National Agricultural Statistics Service	6,140	1,820	4,320	0	NA	NA
Rural Business-Cooperative Service	3,786	0	3,786	0	NA	NA
Department of Commerce	1,058,946	47,917	840,014	171,015	NA	NA
Economic Development Administration	210	0	210	0	NA	NA
National Institute of Standards and Technology	444,160	47,024	312,627	84,509	NA	NA
National Oceanic and Atmospheric Administration	566,264	0	519,942	46,322	NA	NA
National Telecommunications and Information Administration	24,152	0	6,342	17,810	NA	NA
U.S. Census Bureau	24,160	893	893	22,374	NA	NA
Department of Defense	47,094,974	1,416,189	4,281,737	41,397,048	5,613,812	35,783,236
Defense agencies and activities	13,067,563	193,097	1,685,488	11,188,978	2,712,065	8,476,913
Chemical and Biological Defense	471,893	45,465	192,847	233,581	161,270	72,311
Defense Advanced Research Projects Agency	2,514,812	130,177	1,090,076	1,294,559	1,165,914	128,645
Defense Contract Management Agency	18,555	0	0	18,555	0	18,555
Defense Information Systems Agency	265,777	0	0	265,777	0	265,777
Defense Logistics Agency	215,163	0	8,553	206,610	140,125	66,485
Defense Threat Reduction Agency	392,213	0	298,163	94,050	89,926	4,124
Joint Staff	107,714	0	0	107,714	0	107,714
Missile Defense Agency	7,217,410	0	0	7,217,410	280,918	6,936,492
Special Operations Command	543,348	0	14,898	528,450	84,970	443,480
Washington Headquarters Services	1,320,678	17,455	80,951	1,222,272	788,942	433,330
Department of the Air Force	9,621,062	319,206	891,313	8,410,543	746,758	7,663,785
Materiel Command	6,575,892	319,206	891,313	5,365,373	746,758	4,618,615
Space Command	3,045,170	0	0	3,045,170	0	3,045,170
Department of the Army	9,222,992	442,289	1,028,843	7,751,860	1,111,744	6,640,116
Department of the Navy	14,885,192	461,597	676,093	13,747,502	1,030,840	12,716,662
Operational Test and Evaluation, Director	298,165	0	0	298,165	12,405	285,760
Department of Education	311,407	8,961	201,885	100,561	NA	NA
Department of Energy	7,553,755	2,662,577	2,835,440	2,055,738	NA	NA
Bonneville Power Administration	24,653	3,393	11,962	9,298	NA	NA
Civilian Radioactive Waste Management	78,880	0	78,880	0	NA	NA
Energy Efficiency and Renewable Energy	583,856	22,600	244,300	316,956	NA	NA
Environmental Management	42,786	0	12,836	29,950	NA	NA

TABLE 5. 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
Energy Efficiency and Renewable Energy	583,856	22,600	244,300	316,956	NA	NA
Environmental Management	42,786	0	12,836	29,950	NA	NA
Fossil Energy	526,063	9,615	221,555	294,893	NA	NA
National Nuclear Security Administration	3,600,187	6,791	2,193,603	1,399,793	NA	NA
Defense Programs	2,727,360	0	2,105,828	621,532	NA	NA
Fissile Materials Disposition	1,001	0	0	1,001	NA	NA
Naval Reactors	708,557	0	0	708,557	NA	NA
Nonproliferation and Verification	163,269	6,791	87,775	68,703	NA	NA
Nuclear Energy	74,262	0	69,414	4,848	NA	NA
Office of Science	2,623,068	2,620,178	2,890	0	NA	NA
Department of Health and Human Services	28,133,224	14,766,532	13,224,710	141,982	NA	NA
Administration for Children and Families	20,135	0	20,135	0	NA	NA
Administration on Aging	3,018	0	3,018	0	NA	NA
Agency for Healthcare Research and Quality	303,684	0	279,389	24,295	NA	NA
Agency for Toxic Substances and Disease Registry	10,657	0	10,657	0	NA	NA
Centers for Disease Control and Prevention	539,759	0	539,759	0	NA	NA
Centers for Medicare and Medicaid Services	77,601	0	77,601	0	NA	NA
Food and Drug Administration	132,298	0	132,298	0	NA	NA
Health Resources and Services Administration	47,401	2,054	14,864	30,483	NA	NA
National Institutes of Health	26,890,406	14,764,478	12,125,928	0	NA	NA
Office of the Secretary	21,061	0	21,061	0	NA	NA
Office of the Assistant Secretary, Planning and Evaluation	21,061	0	21,061	0	NA	NA
Substance Abuse and Mental Health Services Administration ^a	87,204	0	0	87,204	NA	NA
Department of Homeland Security	945,964	166,469	246,937	532,558	NA	NA
Science and Technology Directorate	792,184	85,128	199,361	507,695	NA	NA
Transportation Security Administration	137,859	81,341	41,507	15,011	NA	NA
U.S. Coast Guard	14,954	0	5,102	9,852	NA	NA
U.S. Secret Service	967	0	967	0	NA	NA
Department of Housing and Urban Development	46,634	0	17,474	29,160	NA	NA
Department of the Interior	604,631	36,669	509,905	58,057	NA	NA
Bureau of Reclamation	10,924	0	3,823	7,101	NA	NA
Geological Survey	552,206	36,669	467,386	48,151	NA	NA
Minerals Management Service	27,212	0	27,212	0	NA	NA
National Park Service ^b	14,289	0	11,484	2,805	NA	NA
Department of Justice	105,257	14,482	32,587	58,188	NA	NA
Bureau of Prisons	10,792	0	5,014	5,778	NA	NA
Federal Bureau of Investigation	33,952	0	0	33,952	NA	NA
Office of Justice Programs	60,513	14,482	27,573	18,458	NA	NA
Department of Labor	199,422	13,700	23,783	161,939	NA	NA
Bureau of Labor Statistics	22,400	13,700	8,700	0	NA	NA
Employee Benefits Security Administration	2,530	0	2,530	0	NA	NA
Employment and Training Administration	170,000	0	9,000	161,000	NA	NA
Occupational Safety and Health Administration	3,361	0	3,361	0	NA	NA

TABLE 5. 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
Office of the Secretary	31,810	0	0	31,810	NA	NA
Pipeline and Hazardous Materials Safety Administration	10,042	0	2,624	7,418	NA	NA
Department of the Treasury	62,422	82	61,176	1,164	NA	NA
Bureau of Engraving and Printing	4,156	82	3,869	205	NA	NA
Internal Revenue Service	57,307	0	57,307	0	NA	NA
U.S. Mint	959	0	0	959	NA	NA
Department of Veterans Affairs	405,246	174,678	209,231	21,337	NA	NA
Other agencies						
Agency for International Development	264,807	100	241,307	23,400	NA	NA
Appalachian Regional Commission	622	0	622	0	NA	NA
Broadcasting Board of Governors	1,001	0	1,001	0	NA	NA
Environmental Protection Agency	661,902	113,900	422,902	125,100	NA	NA
Federal Communications Commission	8,518	0	4,141	4,377	NA	NA
Federal Trade Commission	1,618	0	1,618	0	NA	NA
Library of Congress	17,981	2,000	14,400	1,581	NA	NA
National Aeronautics and Space Administration	7,182,474	2,143,486	2,355,936	2,683,052	NA	NA
National Archives and Records Administration	120	0	120	0	NA	NA
National Science Foundation	3,770,669	3,505,051	265,618	0	NA	NA
Nuclear Regulatory Commission	72,094	0	72,094	0	NA	NA
Smithsonian Institution	108,000	108,000	0	0	NA	NA
Social Security Administration	30,371	0	30,371	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 2004–06 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 C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 6. Preliminary federal obligations for research and development, by agency and character of work: FY 2005
(Dollars in thousands)

Agency	Total R&D	Basic research	Applied research	Development		
				Total	Advanced technology	Major systems
All agencies	109,194,225	26,919,381	28,626,913	53,647,931	NA	NA
Departments						
Department of Agriculture	2,310,254	1,009,142	1,110,922	190,190	NA	NA
Agricultural Marketing Service	8,979	0	7,910	1,069	NA	NA
Agricultural Research Service	1,106,080	541,979	453,493	110,608	NA	NA
Animal and Plant Health Inspection Service	25,603	0	0	25,603	NA	NA
Cooperative State Research, Education, and Extension Service	749,862	323,278	426,584	0	NA	NA
Economic Research Service	74,170	7,417	66,753	0	NA	NA
Foreign Agricultural Service	1,600	448	1,152	0	NA	NA
Forest Service	327,000	134,070	147,150	45,780	NA	NA
Grain Inspection, Packers, and Stockyards Administration	7,130	0	0	7,130	NA	NA
National Agricultural Statistics Service	6,150	1,950	4,200	0	NA	NA
Rural Business-Cooperative Service	3,680	0	3,680	0	NA	NA
Department of Commerce	1,073,803	61,249	857,697	154,857	NA	NA
Economic Development Administration	488	0	488	0	NA	NA
National Institute of Standards and Technology	442,642	60,471	314,875	67,296	NA	NA
National Oceanic and Atmospheric Administration	602,311	0	535,223	67,088	NA	NA
National Telecommunications and Information Administration	6,333	0	6,333	0	NA	NA
U.S. Census Bureau	22,029	778	778	20,473	NA	NA
Department of Defense	52,487,577	1,510,246	4,976,135	46,001,196	6,719,784	39,281,412
Defense agencies and activities	15,556,504	230,724	2,007,921	13,317,859	3,509,456	9,808,403
Chemical and Biological Defense	419,809	45,009	185,684	189,116	151,533	37,583
Defense Advanced Research Projects Agency	3,209,630	163,245	1,360,125	1,686,260	1,559,539	126,721
Defense Contract Management Agency	16,141	0	0	16,141	0	16,141
Defense Information Systems Agency	268,970	0	0	268,970	0	268,970
Defense Logistics Agency	300,959	0	8,548	292,411	176,679	115,732
Defense Threat Reduction Agency	480,570	0	353,335	127,235	117,555	9,680
Joint Staff	106,393	0	0	106,393	0	106,393
Missile Defense Agency	7,936,445	0	0	7,936,445	202,373	7,734,072
Special Operations Command	621,567	0	26,583	594,984	123,510	471,474
Washington Headquarters Services	2,196,020	22,470	73,646	2,099,904	1,178,267	921,637
Department of the Air Force	9,439,575	350,295	887,713	8,201,567	625,649	7,575,918
Materiel Command	6,550,060	350,295	887,713	5,312,052	625,649	4,686,403
Space Command	2,889,515	0	0	2,889,515	0	2,889,515
Department of the Army	9,871,037	460,250	1,233,440	8,177,347	1,506,263	6,671,084
Department of the Navy	17,310,470	468,977	847,061	15,994,432	1,063,849	14,930,583
Operational Test and Evaluation, Director	309,991	0	0	309,991	14,567	295,424
Department of Education	295,645	9,833	185,187	100,625	NA	NA
Department of Energy	8,276,333	2,826,410	2,873,991	2,575,932	NA	NA
Bonneville Power Administration	24,916	3,512	12,221	9,183	NA	NA
Civilian Radioactive Waste Management	62,659	0	62,659	0	NA	NA
Energy Efficiency and Renewable Energy	559,231	22,844	250,376	286,011	NA	NA
Environmental Management	54,226	0	16,268	37,958	NA	NA

TABLE 6. Preliminary federal obligations for research and development, by agency and character of work: FY 2005
(Dollars in thousands)

Agency	Total R&D	Basic research	Applied research	Development		
				Total	Advanced technology	Major systems
Fossil Energy	1,076,929	9,273	206,682	860,974	NA	NA
National Nuclear Security Administration	3,629,053	3,281	2,245,366	1,380,406	NA	NA
Defense Programs	2,744,772	0	2,164,118	580,654	NA	NA
Naval Reactors	741,372	0	0	741,372	NA	NA
Nonproliferation and Verification	142,909	3,281	81,248	58,380	NA	NA
Nuclear Energy	81,819	0	80,419	1,400	NA	NA
Office of Science	2,787,500	2,787,500	0	0	NA	NA
Department of Health and Human Services	28,712,599	15,112,639	13,450,295	149,665	NA	NA
Administration for Children and Families	20,558	0	20,558	0	NA	NA
Administration on Aging	3,010	0	3,010	0	NA	NA
Agency for Healthcare Research and Quality	318,695	0	293,199	25,496	NA	NA
Agency for Toxic Substances and Disease Registry	9,464	0	9,464	0	NA	NA
Centers for Disease Control and Prevention	485,206	0	485,206	0	NA	NA
Centers for Medicare and Medicaid Services	78,119	0	78,119	0	NA	NA
Food and Drug Administration	150,646	0	150,646	0	NA	NA
Health Resources and Services Administration	52,159	2,061	14,877	35,221	NA	NA
National Institutes of Health	27,486,794	15,110,578	12,376,216	0	NA	NA
Office of the Secretary	19,000	0	19,000	0	NA	NA
Office of the Assistant Secretary, Planning and Evaluation	19,000	0	19,000	0	NA	NA
Substance Abuse and Mental Health Services Administration ^a	88,948	0	0	88,948	NA	NA
Department of Homeland Security	1,450,381	238,549	371,757	840,075	NA	NA
Science and Technology Directorate	1,231,306	132,316	309,870	789,120	NA	NA
Transportation Security Administration	194,232	106,233	52,828	35,171	NA	NA
U.S. Coast Guard	23,749	0	7,965	15,784	NA	NA
U.S. Secret Service	1,094	0	1,094	0	NA	NA
Department of Housing and Urban Development	47,289	0	17,828	29,461	NA	NA
Department of the Interior	592,706	35,637	500,336	56,733	NA	NA
Bureau of Reclamation	13,734	0	4,807	8,927	NA	NA
Geological Survey	540,542	35,637	459,132	45,773	NA	NA
Minerals Management Service	27,894	0	27,894	0	NA	NA
National Park Service ^b	10,536	0	8,503	2,033	NA	NA
Department of Justice	112,590	16,936	35,025	60,629	NA	NA
Bureau of Prisons	10,500	0	4,650	5,850	NA	NA
Federal Bureau of Investigation	33,509	0	0	33,509	NA	NA
Office of Justice Programs	68,581	16,936	30,375	21,270	NA	NA
Department of Labor	228,661	13,900	23,351	191,410	NA	NA
Bureau of Labor Statistics	23,000	13,900	9,100	0	NA	NA
Employee Benefits Security Administration	2,693	0	2,693	0	NA	NA
Employment and Training Administration	198,000	0	8,000	190,000	NA	NA
Occupational Safety and Health Administration	3,415	0	3,415	0	NA	NA
Office of the Secretary	135	0	70	65	NA	NA
Pension Benefit Guaranty Corporation	1,418	0	73	1,345	NA	NA
Department of State	2,345	0	2,345	0	NA	NA

TABLE 6. Preliminary federal obligations for research and development, by agency and character of work: FY 2005
(Dollars in thousands)

Agency	Total R&D	Basic research	Applied research	Development		
				Total	Advanced technology	Major systems
Department of Transportation	725,460	38,226	441,727	245,507	NA	NA
Federal Aviation Administration	233,074	0	149,450	83,624	NA	NA
Federal Highway Administration	335,012	38,226	187,820	108,966	NA	NA
Federal Motor Carrier Safety Administration	8,341	0	8,341	0	NA	NA
Federal Railroad Administration	35,131	0	30,645	4,486	NA	NA
Federal Transit Administration	7,577	0	300	7,277	NA	NA
National Highway Traffic Safety Administration	61,131	0	61,131	0	NA	NA
Office of the Secretary	20,994	0	0	20,994	NA	NA
Pipeline and Hazardous Materials Safety Administration	21,655	0	3,142	18,513	NA	NA
Research and Innovative Technology Administration	2,545	0	898	1,647	NA	NA
Department of the Treasury	67,799	232	62,887	4,680	NA	NA
Bureau of Engraving and Printing	6,179	232	5,367	580	NA	NA
Internal Revenue Service	57,520	0	57,520	0	NA	NA
U.S. Mint	4,100	0	0	4,100	NA	NA
Department of Veterans Affairs	402,052	173,301	207,582	21,169	NA	NA
Other agencies						
Agency for International Development	256,600	100	235,000	21,500	NA	NA
Appalachian Regional Commission	750	0	750	0	NA	NA
Broadcasting Board of Governors	257	0	257	0	NA	NA
Environmental Protection Agency	572,200	66,200	365,100	140,900	NA	NA
Federal Communications Commission	7,245	0	4,720	2,525	NA	NA
Federal Trade Commission	1,597	0	1,597	0	NA	NA
Library of Congress	9,105	0	2,226	6,879	NA	NA
National Aeronautics and Space Administration	7,636,112	2,281,888	2,500,226	2,853,998	NA	NA
National Archives and Records Administration	120	0	120	0	NA	NA
National Science Foundation	3,694,955	3,415,893	279,062	0	NA	NA
Nuclear Regulatory Commission	70,750	0	70,750	0	NA	NA
Smithsonian Institution	109,000	109,000	0	0	NA	NA
Social Security Administration	50,040	0	50,040	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 2004–06 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 C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 7. Preliminary federal obligations for research and development, by agency and character of work: FY 2006
(Dollars in thousands)

Agency	Total R&D	Basic research	Applied research	Development		
				Total	Advanced technology	Major systems
All agencies	108,394,134	26,938,119	28,040,984	53,415,031	NA	NA
Departments						
Department of Agriculture	1,951,794	849,789	928,018	173,987	NA	NA
Agricultural Marketing Service	6,554	0	5,554	1,000	NA	NA
Agricultural Research Service	996,107	488,092	408,404	99,611	NA	NA
Animal and Plant Health Inspection Service	22,567	0	0	22,567	NA	NA
Cooperative State Research, Education, and Extension Service	525,788	227,421	298,367	0	NA	NA
Economic Research Service	80,749	8,075	72,674	0	NA	NA
Foreign Agricultural Service	1,600	448	1,152	0	NA	NA
Forest Service	302,000	123,820	135,900	42,280	NA	NA
Grain Inspection, Packers, and Stockyards Administration	8,529	0	0	8,529	NA	NA
National Agricultural Statistics Service	6,200	1,933	4,267	0	NA	NA
Rural Business-Cooperative Service	1,700	0	1,700	0	NA	NA
Department of Commerce	912,710	74,459	746,944	91,307	NA	NA
National Institute of Standards and Technology	358,311	73,398	278,302	6,611	NA	NA
National Oceanic and Atmospheric Administration	518,636	0	458,368	60,268	NA	NA
National Telecommunications and Information Administration	9,213	0	9,213	0	NA	NA
U.S. Census Bureau	26,550	1,061	1,061	24,428	NA	NA
Department of Defense	52,306,207	1,450,920	4,479,715	46,375,572	4,872,055	41,503,517
Defense agencies and activities	14,624,123	256,779	2,201,842	12,165,502	2,849,361	9,316,141
Chemical and Biological Defense	704,984	95,059	276,349	333,576	241,177	92,399
Defense Advanced Research Projects Agency	3,269,178	142,274	1,521,841	1,605,063	1,548,378	56,685
Defense Contract Management Agency	23,795	0	0	23,795	0	23,795
Defense Information Systems Agency	307,359	0	0	307,359	0	307,359
Defense Logistics Agency	130,332	0	8,853	121,479	62,534	58,945
Defense Threat Reduction Agency	414,171	0	317,895	96,276	95,536	740
Joint Staff	92,385	0	0	92,385	0	92,385
Missile Defense Agency	7,833,555	0	0	7,833,555	139,542	7,694,013
Special Operations Command	425,674	0	15,939	409,735	103,829	305,906
Washington Headquarters Services	1,422,690	19,446	60,965	1,342,279	658,365	683,914
Department of the Air Force	10,573,817	343,851	913,219	9,316,747	482,918	8,833,829
Materiel Command	6,927,805	343,851	913,219	5,670,735	482,918	5,187,817
Space Command	3,646,012	0	0	3,646,012	0	3,646,012
Department of the Army	9,040,537	398,954	750,800	7,890,783	791,831	7,098,952
Department of the Navy	17,889,091	451,336	613,854	16,823,901	747,257	16,076,644
Operational Test and Evaluation, Director	178,639	0	0	178,639	688	177,951
Department of Education	314,673	8,869	215,815	89,989	NA	NA
Department of Energy	7,464,606	2,719,589	2,764,506	1,980,511	NA	NA
Bonneville Power Administration	25,912	3,652	12,710	9,550	NA	NA
Civilian Radioactive Waste Management	43,724	0	43,724	0	NA	NA
Energy Efficiency and Renewable Energy	610,183	21,792	263,724	324,667	NA	NA
Environmental Management	61,389	0	18,417	42,972	NA	NA

TABLE 7. Preliminary federal obligations for research and development, by agency and character of work: FY 2006
(Dollars in thousands)

Agency	Total R&D	Basic research	Applied research	Development		
				Total	Advanced technology	Major systems
Fossil Energy	477,891	8,765	203,546	265,580	NA	NA
National Nuclear Security Administration	3,469,296	3,281	2,129,773	1,336,242	NA	NA
Defense Programs	2,605,379	0	2,048,525	556,854	NA	NA
Naval Reactors	721,008	0	0	721,008	NA	NA
Nonproliferation and Verification	142,909	3,281	81,248	58,380	NA	NA
Nuclear Energy	94,112	0	92,612	1,500	NA	NA
Office of Science	2,682,099	2,682,099	0	0	NA	NA
Department of Health and Human Services	28,964,383	15,237,089	13,607,063	120,231	NA	NA
Administration for Children and Families	20,990	0	20,990	0	NA	NA
Agency for Healthcare Research and Quality	318,695	0	293,199	25,496	NA	NA
Agency for Toxic Substances and Disease Registry	9,843	0	9,843	0	NA	NA
Centers for Disease Control and Prevention	485,206	0	485,206	0	NA	NA
Centers for Medicare and Medicaid Services	45,194	0	45,194	0	NA	NA
Food and Drug Administration	149,134	0	149,134	0	NA	NA
Health Resources and Services Administration	20,755	1,856	14,891	4,008	NA	NA
National Institutes of Health	27,804,839	15,235,233	12,569,606	0	NA	NA
Office of the Secretary	19,000	0	19,000	0	NA	NA
Office of the Assistant Secretary, Planning and Evaluation	19,000	0	19,000	0	NA	NA
Substance Abuse and Mental Health Services Administration ^a	90,727	0	0	90,727	NA	NA
Department of Homeland Security	1,446,637	267,977	348,937	829,723	NA	NA
Science and Technology Directorate	1,236,539	132,879	311,187	792,473	NA	NA
Transportation Security Administration	208,950	135,098	36,602	37,250	NA	NA
U.S. Secret Service	1,148	0	1,148	0	NA	NA
Department of Housing and Urban Development	41,505	0	14,554	26,951	NA	NA
Department of the Interior	561,071	30,105	465,020	65,946	NA	NA
Bureau of Reclamation	9,959	0	3,486	6,473	NA	NA
Geological Survey	519,221	30,105	431,018	58,098	NA	NA
Minerals Management Service	25,165	0	25,165	0	NA	NA
National Park Service ^b	6,726	0	5,351	1,375	NA	NA
Department of Justice	129,217	30,151	31,900	67,166	NA	NA
Bureau of Prisons	10,500	0	4,650	5,850	NA	NA
Federal Bureau of Investigation	34,316	0	0	34,316	NA	NA
Office of Justice Programs	84,401	30,151	27,250	27,000	NA	NA
Department of Labor	235,088	14,000	24,323	196,765	NA	NA
Bureau of Labor Statistics	23,000	14,000	9,000	0	NA	NA
Employee Benefits Security Administration	2,702	0	2,702	0	NA	NA
Employment and Training Administration	204,000	0	9,000	195,000	NA	NA
Occupational Safety and Health Administration	3,480	0	3,480	0	NA	NA
Office of the Secretary	102	0	66	36	NA	NA
Pension Benefit Guaranty Corporation	1,804	0	75	1,729	NA	NA
Department of State	2,366	0	2,366	0	NA	NA
Department of Transportation	771,419	40,574	491,697	239,148	NA	NA
Federal Aviation Administration	202,010	0	130,000	72,010	NA	NA
Federal Highway Administration	441,350	40,574	260,216	140,560	NA	NA
Federal Motor Carrier Safety Administration	9,633	0	9,633	0	NA	NA
Federal Railroad Administration	28,755	0	25,091	3,664	NA	NA

TABLE 7. Preliminary federal obligations for research and development, by agency and character of work: FY 2006
(Dollars in thousands)

Agency	Total R&D	Basic research	Applied research	Development		
				Total	Advanced technology	Major systems
Federal Transit Administration	2,327	0	300	2,027	NA	NA
National Highway Traffic Safety Administration	62,436	0	62,436	0	NA	NA
Office of the Secretary	9,030	0	0	9,030	NA	NA
Pipeline and Hazardous Materials Safety Administration	12,086	0	2,311	9,775	NA	NA
Research and Innovative Technology Administration	3,792	0	1,710	2,082	NA	NA
Department of the Treasury	69,888	236	64,722	4,930	NA	NA
Bureau of Engraving and Printing	6,080	236	5,254	590	NA	NA
Internal Revenue Service	59,468	0	59,468	0	NA	NA
U.S. Mint	4,340	0	0	4,340	NA	NA
Department of Veterans Affairs	392,710	169,274	202,759	20,677	NA	NA
Other agencies						
Agency for International Development	256,600	100	235,000	21,500	NA	NA
Appalachian Regional Commission	750	0	750	0	NA	NA
Broadcasting Board of Governors	25	0	25	0	NA	NA
Environmental Protection Agency	568,200	69,700	385,500	113,000	NA	NA
Federal Communications Commission	6,571	0	6,098	473	NA	NA
Federal Trade Commission	1,587	0	1,587	0	NA	NA
Library of Congress	1,683	0	1,226	457	NA	NA
National Aeronautics and Space Administration	8,017,919	2,395,983	2,625,238	2,996,698	NA	NA
National Archives and Records Administration	120	0	120	0	NA	NA
National Science Foundation	3,740,612	3,464,304	276,308	0	NA	NA
Nuclear Regulatory Commission	61,397	0	61,397	0	NA	NA
Smithsonian Institution	115,000	115,000	0	0	NA	NA
Social Security Administration	59,396	0	59,396	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 2004–06 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 C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 8. Federal obligations for research and development, by agency and performer: FY 2004

(Dollars in millions)

Agency	Total R&D	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
All agencies	101,376.5	22,423.2	39,214.6	1,543.1	24,169.7	5,400.9	5,623.7	1,443.2	880.1	677.9
Departments										
Department of Agriculture	2,102.2	1,404.7	16.4	0.0	652.9	0.0	20.7	0.0	3.3	4.1
Agricultural Marketing Service	9.0	8.7	0.0	0.0	0.2	0.0	0.1	0.0	0.0	0.0
Agricultural Research Service	1,098.1	991.6	0.0	0.0	92.9	0.0	8.9	0.0	0.9	3.8
Animal and Plant Health Inspection Service	24.4	18.6	0.0	0.0	5.8	0.0	0.0	0.0	0.0	0.0
Cooperative State Research, Education, and Extension Service	585.7	40.3	15.1	0.0	522.3	0.0	6.5	0.0	1.5	0.0
Economic Research Service	70.8	64.1	0.5	0.0	5.1	0.0	1.1	0.0	0.0	*
Foreign Agricultural Service	1.6	0.9	0.0	0.0	0.7	0.0	*	0.0	0.0	0.0
Forest Service	296.0	267.1	0.8	0.0	25.4	0.0	1.6	0.0	0.8	0.3
Grain Inspection, Packers, and Stockyards Administration	6.7	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Agricultural Statistics Service	6.1	5.7	0.0	0.0	0.3	0.0	0.1	0.0	0.0	0.0
Rural Business-Cooperative Service	3.8	1.2	0.0	0.0	0.1	0.0	2.5	0.0	0.0	0.0
Department of Commerce	1,058.9	645.3	172.4	0.0	203.1	1.7	21.7	0.0	14.3	0.5
Economic Development Administration	0.2	*	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0
National Institute of Standards and Technology	444.2	266.4	160.7	0.0	12.8	0.0	4.0	0.0	0.2	0.1
National Oceanic and Atmospheric Administration	566.3	345.0	11.8	0.0	187.2	1.7	10.6	0.0	9.7	0.4
National Telecommunications and Information Administration	24.2	9.7	0.0	0.0	3.0	0.0	7.0	0.0	4.5	0.0
U.S. Census Bureau	24.2	24.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Defense	47,095.0	10,735.8	32,459.5	131.6	2,035.8	476.0	417.7	554.1	18.4	266.0
Defense agencies and activities	13,067.6	2,794.3	8,818.0	81.6	675.5	260.8	128.4	137.4	*	171.6
Chemical and Biological Defense	471.9	288.5	153.1	0.0	17.9	2.9	4.5	1.9	0.0	3.2
Defense Advanced Research Projects Agency	2,514.8	319.7	1,556.6	24.0	405.3	72.1	100.8	22.6	0.0	13.6
Defense Contract Management Agency	18.6	1.0	17.1	0.0	0.0	0.0	0.4	0.0	0.0	0.0
Defense Information Systems Agency	265.8	33.7	214.4	0.0	2.5	1.5	0.0	13.8	0.0	0.0
Defense Logistics Agency	215.2	72.2	107.2	0.0	26.9	0.0	4.2	4.6	0.0	*
Defense Threat Reduction Agency	392.2	130.5	228.2	4.7	6.1	15.7	0.5	3.5	0.0	3.0
Joint Staff	107.7	102.3	0.0	0.0	0.0	5.4	0.0	0.0	0.0	0.0
Missile Defense Agency	7,217.4	1,347.6	5,489.1	34.5	74.9	80.6	4.9	62.0	*	123.8

TABLE 8. Federal obligations for research and development, by agency and performer: FY 2004

(Dollars in millions)

Agency	Total R&D	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
Special Operations Command	543.3	73.0	452.4	0.0	3.1	14.9	0.0	0.0	0.0	0.0
Washington Headquarters Services	1,320.7	425.8	599.9	18.4	138.9	67.7	13.0	29.0	0.0	28.0
Department of the Air Force	9,621.1	1,769.9	7,127.9	37.1	258.1	129.6	61.0	216.7	17.5	3.4
Materiel Command	6,575.9	1,460.5	4,703.7	2.4	256.5	10.3	61.0	76.5	1.7	3.4
Space Command	3,045.2	309.4	2,424.2	34.7	1.6	119.3	0.0	140.3	15.8	0.0
Department of the Army	9,223.0	2,260.2	6,320.3	7.3	387.6	38.0	72.7	77.5	0.2	59.3
Department of the Navy	14,885.2	3,785.4	10,067.8	5.7	701.3	46.3	155.6	90.5	0.7	31.7
Operational Test and Evaluation, Director	298.2	126.0	125.6	0.0	13.3	1.3	0.0	31.9	0.0	0.0
Department of Education	311.4	15.4	14.2	0.0	206.4	0.0	74.2	0.0	1.3	0.0
Department of Energy	7,553.8	483.0	1,306.8	945.9	853.9	2,954.1	170.2	837.0	0.3	2.7
Bonneville Power Administration	24.7	24.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0
Civilian Radioactive Waste Management	78.9	4.8	0.0	21.2	0.0	51.5	0.0	1.4	0.0	0.0
Energy Efficiency and Renewable Energy	583.9	228.1	0.0	40.1	60.0	53.9	16.6	185.0	0.0	0.0
Environmental Management	42.8	*	0.0	7.6	34.4	0.4	0.0	0.4	0.0	0.0
Fossil Energy	526.1	115.4	287.1	5.1	48.7	20.8	24.7	23.0	0.3	1.0
National Nuclear Security Administration	3,600.2	91.9	930.8	785.5	79.4	1,660.7	25.6	26.4	0.0	0.0
Defense Programs	2,727.4	91.6	279.8	683.6	62.4	1,587.5	22.5	0.0	0.0	0.0
Fissile Materials Disposition	1.0	*	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
Naval Reactors	708.6	*	643.9	61.1	0.0	0.4	3.1	0.1	0.0	0.0
Nonproliferation and Verification	163.3	0.2	7.1	40.8	17.0	72.8	0.0	25.3	0.0	0.0
Nuclear Energy	74.3	*	10.0	25.5	8.7	16.9	0.1	13.2	0.0	0.0
Office of Science	2,623.1	18.7	78.9	60.9	622.6	1,149.9	103.3	587.1	0.0	1.7
Department of Health and Human Services	28,133.2	5,347.5	1,818.4	406.3	15,641.1	79.6	4,245.7	21.7	224.3	348.6
Administration for Children and Families	20.1	1.0	0.0	0.0	17.0	0.0	1.3	0.0	0.8	0.0
Administration on Aging	3.0	0.1	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0
Agency for Healthcare Research and Quality	303.7	78.5	82.7	0.0	72.5	0.0	63.6	0.0	5.3	1.1
Agency for Toxic Substances and Disease Registry	10.7	3.2	0.7	0.0	4.1	0.0	1.2	0.0	1.5	0.1
Centers for Disease Control and Prevention	539.8	190.5	33.4	0.0	297.7	0.0	15.5	0.0	2.0	0.5
Centers for Medicare and Medicaid Services	77.6	*	19.8	0.0	4.4	0.0	16.3	0.0	37.0	0.0
Food and Drug Administration	132.3	99.5	5.4	0.0	17.2	0.0	9.8	0.0	0.0	0.3
Health Resources and Services Administration	47.4	2.7	0.0	0.0	26.1	0.0	16.8	0.0	1.8	0.0
National Institutes of Health	26,890.4	4,962.7	1,670.9	406.3	15,184.0	79.6	4,106.0	21.7	112.5	346.6

TABLE 8. Federal obligations for research and development, by agency and performer: FY 2004

(Dollars in millions)

Agency	Total R&D	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
Office of the Secretary	21.1	9.3	5.4	0.0	3.2	0.0	3.2	0.0	0.0	0.0
Office of the Assistant Secretary, Planning and Evaluation	21.1	9.3	5.4	0.0	3.2	0.0	3.2	0.0	0.0	0.0
Substance Abuse and Mental Health Services Administration ^b	87.2	*	0.0	0.0	14.9	0.0	9.0	0.0	63.4	0.0
Department of Homeland Security	946.0	610.8	177.8	38.5	7.3	69.1	38.7	3.1	0.2	0.4
Science and Technology Directorate	792.2	464.5	175.8	36.0	6.7	68.9	37.6	2.5	0.2	0.0
Transportation Security Administration	137.9	134.1	0.0	2.5	0.0	0.2	0.0	0.6	0.0	0.4
U.S. Coast Guard	15.0	11.3	2.0	0.0	0.6	0.0	1.1	0.0	0.0	0.0
U.S. Secret Service	1.0	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Housing and Urban Development	46.6	28.7	11.9	0.0	2.2	0.0	3.9	0.0	*	0.0
Department of the Interior	604.6	512.4	18.4	0.0	59.3	0.0	2.5	0.0	9.6	2.6
Bureau of Reclamation	10.9	3.1	6.2	0.0	1.3	0.0	0.0	0.0	0.3	*
Geological Survey	552.2	500.5	4.7	0.0	38.3	0.0	0.0	0.0	8.7	0.0
Minerals Management Service	27.2	6.3	6.3	0.0	10.3	0.0	1.8	0.0	0.1	2.5
National Park Service ^c	14.3	2.4	1.2	0.0	9.5	0.0	0.7	0.0	0.5	*
Department of Justice	105.3	48.3	6.7	0.0	21.6	0.0	14.1	2.9	11.7	0.0
Bureau of Prisons	10.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0
Federal Bureau of Investigation	34.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Office of Justice Programs	60.5	11.5	6.7	0.0	21.6	0.0	14.1	2.9	3.7	0.0
Department of Labor	199.4	183.2	2.0	0.0	11.8	0.0	2.4	0.0	0.0	0.0
Bureau of Labor Statistics	22.4	8.4	1.0	0.0	11.6	0.0	1.4	0.0	0.0	0.0
Employee Benefits Security Administration	2.5	0.9	0.5	0.0	0.2	0.0	0.9	0.0	0.0	0.0
Employment and Training Administration	170.0	170.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Occupational Safety and Health Administration	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Office of the Secretary	0.2	0.1	*	0.0	*	0.0	0.1	0.0	0.0	0.0
Pension Benefit Guaranty Corporation	0.9	0.4	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of State	3.0	0.7	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Transportation	629.3	157.9	187.0	4.6	42.2	11.4	24.7	0.7	200.1	0.6
Federal Aviation Administration	217.8	83.7	95.4	4.6	22.8	11.2	0.0	0.0	0.0	0.0
Federal Highway Administration	323.4	47.0	66.2	0.0	14.3	0.2	20.2	0.7	174.7	0.1
Federal Motor Carrier Safety Administration	6.4	1.5	1.5	0.0	2.2	0.0	1.1	0.0	0.0	0.0
Federal Railroad Administration	28.6	14.6	11.4	0.0	2.4	0.0	0.0	0.0	0.0	0.2
Federal Transit Administration	4.6	0.2	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 8. Federal obligations for research and development, by agency and performer: FY 2004

(Dollars in millions)

Agency	Total R&D	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
National Highway Traffic Safety Administration	6.7	1.5	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Office of the Secretary	31.8	5.4	0.0	0.0	0.5	0.0	0.5	0.0	25.4	0.0
Pipeline and Hazardous Materials Safety Administration	10.0	3.8	3.0	0.0	0.1	*	2.9	0.0	0.0	0.3
Department of the Treasury	62.4	55.1	6.9	0.0	*	0.0	0.0	0.4	0.0	0.0
Bureau of Engraving and Printing	4.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Internal Revenue Service	57.3	50.0	6.9	0.0	*	0.0	0.0	0.4	0.0	0.0
U.S. Mint	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Veterans Affairs	405.2	405.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other agencies										
Agency for International Development	264.8	31.7	13.7	0.0	31.6	0.0	187.8	0.0	0.0	0.0
Appalachian Regional Commission	0.6	0.1	0.4	0.0	0.1	0.0	0.1	0.0	0.0	0.0
Broadcasting Board of Governors	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Environmental Protection Agency	661.9	451.5	60.6	0.0	94.2	0.0	46.9	0.0	6.9	1.8
Federal Communications Commission	8.5	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Federal Trade Commission	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Library of Congress	18.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	7,182.5	1,131.2	2,795.2	0.0	1,171.2	1,582.2	88.7	0.0	377.8	36.2
National Archives and Records Administration	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Science Foundation	3,770.7	15.7	131.2	0.0	3,122.3	215.7	259.1	6.8	8.5	11.5
Nuclear Regulatory Commission	72.1	15.2	4.5	16.1	4.2	11.2	1.5	16.5	0.0	2.7
Smithsonian Institution	108.0	108.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Social Security Administration	30.4	6.9	8.3	0.0	8.5	0.0	3.2	0.0	3.4	0.1

* = amount greater than 0 but less than \$50,000.

FFRDC = federally funded research and development center.

^a Includes costs associated with administration of intramural and extramural programs by federal personnel and actual intramural performance.

^b 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.

^c Obligations for FY 2004–06 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: Because of rounding, detail may not add to total. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 9. Preliminary federal obligations for research and development, by agency and performer: FY 2005

(Dollars in millions)

Agency	Total R&D	Intramural ^a	Extramural							Foreign
			United States and U.S. territories						State, local governments	
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC		
All agencies	109,194.2	24,907.9	43,518.4	1,619.3	24,870.4	5,530.9	5,813.4	1,468.8	883.3	581.7
Departments										
Department of Agriculture	2,310.3	1,449.9	16.6	0.0	819.9	0.0	18.2	0.0	2.5	3.2
Agricultural Marketing Service	9.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agricultural Research Service	1,106.1	1,001.7	0.0	0.0	94.2	0.0	6.6	0.0	0.7	2.8
Animal and Plant Health Inspection Service	25.6	20.4	0.0	0.0	5.2	0.0	0.0	0.0	0.0	0.0
Cooperative State Research, Education, and Extension Service	749.9	37.9	15.3	0.0	689.2	0.0	6.5	0.0	0.9	0.0
Economic Research Service	74.2	67.7	0.5	0.0	4.9	0.0	1.0	0.0	0.0	*
Foreign Agricultural Service	1.6	0.9	0.0	0.0	0.7	0.0	*	0.0	0.0	0.0
Forest Service	327.0	298.1	0.8	0.0	25.4	0.0	1.6	0.0	0.8	0.3
Grain Inspection, Packers, and Stockyards Administration	7.1	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Agricultural Statistics Service	6.2	5.8	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
Rural Business-Cooperative Service	3.7	1.2	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0
Department of Commerce	1,073.8	713.6	127.8	0.0	200.5	4.5	20.3	0.0	6.9	0.1
Economic Development Administration	0.5	*	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0
National Institute of Standards and Technology	442.6	311.1	116.8	0.0	11.8	0.0	2.9	0.0	0.0	0.1
National Oceanic and Atmospheric Administration	602.3	374.1	11.0	0.0	188.7	4.5	17.0	0.0	6.9	*
National Telecommunications and Information Administration	6.3	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Census Bureau	22.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Defense	52,487.6	12,438.8	35,830.7	175.7	2,417.8	461.4	465.3	525.0	8.2	164.6
Defense agencies and activities	15,556.5	3,358.2	10,705.9	130.0	770.1	258.7	157.2	117.1	1.8	57.6
Chemical and Biological Defense	419.8	302.6	77.6	3.9	21.9	4.0	4.2	0.5	0.0	5.1
Defense Advanced Research Projects Agency	3,209.6	403.0	1,994.7	30.9	514.2	93.3	127.1	29.2	0.0	17.2
Defense Contract Management Agency	16.1	5.9	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Defense Information Systems Agency	269.0	50.5	201.2	0.0	1.6	0.2	0.0	15.5	0.0	0.0
Defense Logistics Agency	301.0	85.4	175.5	0.0	21.3	0.0	13.3	5.4	0.0	0.0
Defense Threat Reduction Agency	480.6	106.9	354.8	2.8	3.9	7.9	0.0	1.7	0.0	2.6
Joint Staff	106.4	106.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Missile Defense Agency	7,936.4	1,594.2	6,117.6	45.3	55.5	80.8	2.9	33.0	1.8	5.3
Special Operations Command	621.6	83.5	518.5	0.0	3.8	15.8	0.0	0.0	0.0	0.0
Washington Headquarters Services	2,196.0	619.6	1,255.6	47.2	147.9	56.8	9.8	31.8	0.0	27.4

TABLE 9. Preliminary federal obligations for research and development, by agency and performer: FY 2005

(Dollars in millions)

Agency	Total R&D	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
Department of the Air Force	9,439.6	1,664.8	7,049.4	35.6	263.3	125.9	54.4	239.4	5.6	1.1
Materiel Command	6,550.1	1,434.5	4,693.3	0.3	263.0	11.2	54.4	90.1	2.2	1.1
Space Command	2,889.5	230.4	2,356.1	35.3	0.2	114.8	0.0	149.3	3.4	0.0
Department of the Army	9,871.0	2,642.5	6,393.4	5.4	608.0	28.8	100.5	47.1	0.0	45.4
Department of the Navy	17,310.5	4,642.5	11,551.6	4.7	762.1	46.6	153.1	88.4	0.9	60.5
Operational Test and Evaluation, Director	310.0	130.8	130.5	0.0	14.3	1.4	0.0	33.0	0.0	0.0
Department of Education	295.6	19.0	15.6	0.0	181.9	0.0	78.4	0.0	0.8	0.0
Department of Energy	8,276.3	693.7	1,917.5	955.5	761.9	2,972.1	86.8	886.5	0.3	1.9
Bonneville Power Administration	24.9	24.3	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0
Civilian Radioactive Waste Management	62.7	4.9	14.4	14.0	0.0	27.7	0.0	1.7	0.0	0.0
Energy Efficiency and Renewable Energy	559.2	218.5	0.0	39.6	57.5	51.7	15.9	176.1	0.0	0.0
Environmental Management	54.2	*	9.8	43.4	0.5	0.5	0.0	0.0	0.0	0.0
Fossil Energy	1,076.9	114.7	841.0	5.2	47.9	21.2	23.6	22.2	0.3	0.8
National Nuclear Security Administration	3,629.1	204.0	893.5	765.1	81.8	1,633.3	24.2	27.3	0.0	0.0
Defense Programs	2,744.8	197.6	214.7	669.0	72.6	1,568.3	22.5	0.0	0.0	0.0
Naval Reactors	741.4	*	673.2	66.0	0.0	0.4	1.7	0.1	0.0	0.0
Nonproliferation and Verification	142.9	6.4	5.6	30.1	9.1	64.6	0.0	27.2	0.0	0.0
Nuclear Energy	81.8	*	6.5	30.3	13.0	17.6	0.0	14.4	0.0	0.0
Office of Science	2,787.5	127.4	152.4	57.9	561.2	1,220.1	23.1	644.2	0.0	1.1
Department of Health and Human Services	28,712.6	5,463.8	1,859.6	415.3	15,944.3	94.8	4,323.9	27.4	226.8	356.6
Administration for Children and Families	20.6	1.0	0.0	0.0	17.4	0.0	1.4	0.0	0.8	0.0
Administration on Aging	3.0	0.1	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0
Agency for Healthcare Research and Quality	318.7	82.4	86.8	0.0	76.0	0.0	66.7	0.0	5.6	1.1
Agency for Toxic Substances and Disease Registry	9.5	4.1	0.1	0.0	2.9	0.0	1.0	0.0	1.3	0.1
Centers for Disease Control and Prevention	485.2	183.1	31.4	0.0	253.5	0.0	14.6	0.0	1.9	0.7
Centers for Medicare and Medicaid Services	78.1	*	19.5	0.0	4.7	0.0	16.4	0.0	37.5	0.0
Food and Drug Administration	150.6	113.1	6.2	0.0	19.7	0.0	11.2	0.0	0.0	0.3
Health Resources and Services Administration	52.2	2.7	0.0	0.0	30.7	13.5	0.0	5.2	0.0	0.0
National Institutes of Health	27,486.8	5,072.8	1,708.0	415.3	15,520.8	81.4	4,197.0	22.2	115.0	354.3
Office of the Secretary	19.0	4.6	7.6	0.0	3.4	0.0	3.4	0.0	0.0	0.0
Office of the Assistant Secretary, Planning and Evaluation	19.0	4.6	7.6	0.0	3.4	0.0	3.4	0.0	0.0	0.0
Substance Abuse and Mental Health Services Administration ^b	88.9	*	0.0	0.0	15.1	0.0	9.2	0.0	64.7	0.0

TABLE 9. Preliminary federal obligations for research and development, by agency and performer: FY 2005

(Dollars in millions)

Agency	Total R&D	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
Department of Homeland Security	1,450.4	924.9	284.0	58.5	10.4	107.2	60.4	4.5	0.4	0.0
Science and Technology Directorate	1,231.3	720.0	273.2	56.0	10.4	107.0	60.4	3.9	0.4	0.0
Transportation Security Administration	194.2	190.9	0.0	2.5	0.0	0.2	0.0	0.6	0.0	0.0
U.S. Coast Guard	23.7	13.1	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Secret Service	1.1	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Housing and Urban Development	47.3	29.1	12.0	0.0	2.2	0.0	4.0	0.0	*	0.0
Department of the Interior	592.7	490.8	19.5	0.0	57.2	0.0	2.4	0.0	21.8	1.1
Bureau of Reclamation	13.7	4.2	7.8	0.0	1.3	0.0	0.0	0.0	0.4	0.1
Geological Survey	540.5	477.4	4.1	0.0	38.1	0.0	0.0	0.0	21.0	0.0
Minerals Management Service	27.9	7.4	6.7	0.0	10.9	0.0	1.9	0.0	*	1.0
National Park Service ^c	10.5	1.8	0.9	0.0	7.0	0.0	0.5	0.0	0.4	*
Department of Justice	112.6	49.4	9.3	0.0	19.3	0.0	19.6	2.9	12.2	0.0
Bureau of Prisons	10.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.0
Federal Bureau of Investigation	33.5	33.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Office of Justice Programs	68.6	12.9	9.3	0.0	19.3	0.0	19.6	2.9	4.7	0.0
Department of Labor	228.7	211.6	2.7	0.0	13.3	0.0	1.0	0.0	0.0	0.0
Bureau of Labor Statistics	23.0	8.7	1.2	0.0	13.1	0.0	0.0	0.0	0.0	0.0
Employee Benefits Security Administration	2.7	1.1	0.5	0.0	0.2	0.0	0.9	0.0	0.0	0.0
Employment and Training Administration	198.0	198.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Occupational Safety and Health Administration	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Office of the Secretary	0.1	*	0.0	0.0	*	0.0	0.1	0.0	0.0	0.0
Pension Benefit Guaranty Corporation	1.4	0.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of State	2.3	0.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Transportation	725.5	184.2	254.9	2.9	55.4	11.4	30.3	0.7	184.9	0.6
Federal Aviation Administration	233.1	69.6	128.2	2.8	21.2	11.2	0.0	0.0	0.0	0.0
Federal Highway Administration	335.0	48.1	81.6	0.0	14.4	0.2	20.9	0.7	169.0	*
Federal Motor Carrier Safety Administration	8.3	0.5	2.2	0.0	2.0	0.0	3.4	0.0	0.0	0.1
Federal Railroad Administration	35.1	15.0	16.3	0.0	3.4	0.0	0.0	0.0	0.0	0.5
Federal Transit Administration	7.6	0.8	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Highway Traffic Safety Administration	61.1	39.1	13.2	0.0	8.8	0.0	0.0	0.0	0.0	0.0
Office of the Secretary	21.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	15.9	0.0
Pipeline and Hazardous Materials Safety Administration	21.7	3.8	6.4	0.0	5.6	0.0	5.8	0.0	0.0	*
Research and Innovative Technology Administration	2.5	2.1	0.2	0.1	0.0	0.0	0.2	0.0	0.0	0.0

TABLE 9. Preliminary federal obligations for research and development, by agency and performer: FY 2005

(Dollars in millions)

Agency	Total R&D	Intramural ^a	Extramural							Foreign
			United States and U.S. territories						State, local governments	
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC		
Department of the Treasury	67.8	61.1	6.5	0.0	0.0	0.0	*	0.3	0.0	0.0
Bureau of Engraving and Printing	6.2	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Internal Revenue Service	57.5	50.8	6.5	0.0	0.0	0.0	*	0.3	0.0	0.0
U.S. Mint	4.1	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Veterans Affairs	402.1	402.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other agencies										
Agency for International Development	256.6	30.0	13.2	0.0	29.5	0.0	183.9	0.0	0.0	0.0
Appalachian Regional Commission	0.8	0.1	0.3	0.0	0.3	0.0	0.1	0.0	0.0	0.0
Broadcasting Board of Governors	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Environmental Protection Agency	572.2	390.2	52.4	0.0	81.4	0.0	40.6	0.0	6.0	1.6
Federal Communications Commission	7.2	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Federal Trade Commission	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Library of Congress	9.1	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	7,636.1	1,187.7	2,935.0	0.0	1,200.4	1,661.3	217.4	0.0	396.4	37.9
National Archives and Records Administration	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Science Foundation	3,695.0	15.3	133.9	0.0	3,055.8	210.2	253.3	6.9	8.3	11.4
Nuclear Regulatory Commission	70.8	15.7	13.7	11.4	4.1	7.9	0.7	14.6	0.0	2.7
Smithsonian Institution	109.0	109.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Social Security Administration	50.0	9.0	11.6	0.0	14.7	0.0	6.8	0.0	7.9	0.0

* = amount greater than 0 but less than \$50,000.

FFRDC = federally funded research and development center.

^a Includes costs associated with administration of intramural and extramural programs by federal personnel and actual intramural performance.

^b 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.

^c Obligations for FY 2004–06 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: Because of rounding, detail may not add to total. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 10. Preliminary federal obligations for research and development, by agency and performer: FY 2006

(Dollars in millions)

Agency	Total R&D	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
All agencies	108,394.1	24,251.3	44,314.8	1,502.9	24,277.1	5,431.6	5,724.3	1,465.4	878.4	548.3
Departments										
Department of Agriculture	1,951.8	1,370.7	13.5	0.0	552.3	0.0	11.1	0.0	1.8	2.5
Agricultural Marketing Service	6.6	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agricultural Research Service	996.1	947.0	0.0	0.0	41.5	0.0	5.0	0.0	0.5	2.1
Animal and Plant Health Inspection Service	22.6	18.2	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0
Cooperative State Research, Education, and Extension Service	525.8	35.7	12.2	0.0	473.9	0.0	3.5	0.0	0.5	0.0
Economic Research Service	80.7	73.7	0.5	0.0	5.5	0.0	1.0	0.0	0.0	*
Foreign Agricultural Service	1.6	0.9	0.0	0.0	0.7	0.0	*	0.0	0.0	0.0
Forest Service	302.0	273.1	0.8	0.0	25.4	0.0	1.6	0.0	0.8	0.3
Grain Inspection, Packers, and Stockyards Administration	8.5	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Agricultural Statistics Service	6.2	5.9	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
Rural Business-Cooperative Service	1.7	1.2	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
Department of Commerce	912.7	700.0	22.2	0.0	166.8	4.7	13.3	0.0	5.4	0.2
National Institute of Standards and Technology	358.3	329.3	14.6	0.0	13.4	0.0	0.8	0.0	0.2	*
National Oceanic and Atmospheric Administration	518.6	334.9	7.6	0.0	153.4	4.7	12.6	0.0	5.2	0.2
National Telecommunications and Information Administration	9.2	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Census Bureau	26.6	26.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Defense	52,306.2	11,699.2	37,182.9	131.0	1,895.6	415.5	337.3	513.1	5.5	126.1
Defense agencies and activities	14,624.1	3,054.8	10,134.0	93.5	729.4	248.0	178.8	113.7	1.3	70.9
Chemical and Biological Defense	705.0	491.3	140.1	20.3	26.0	5.2	10.3	0.5	0.0	11.3
Defense Advanced Research Projects Agency	3,269.2	417.2	2,001.8	32.9	535.4	97.4	135.2	30.5	0.0	18.8
Defense Contract Management Agency	23.8	6.1	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Defense Information Systems Agency	307.4	56.5	235.5	0.0	1.5	0.1	0.0	13.8	0.0	0.0
Defense Logistics Agency	130.3	48.5	59.9	0.0	1.5	0.0	15.0	5.5	0.0	0.0
Defense Threat Reduction Agency	414.2	9.8	402.3	0.0	2.0	0.0	0.0	0.0	0.0	0.0
Joint Staff	92.4	92.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Missile Defense Agency	7,833.6	1,350.4	6,332.8	8.2	33.3	58.1	0.0	26.9	1.3	22.6
Special Operations Command	425.7	57.2	349.7	0.0	2.4	16.4	0.0	0.0	0.0	0.0
Washington Headquarters Services	1,422.7	525.3	594.2	32.1	127.3	70.8	18.3	36.5	0.0	18.1

TABLE 10. Preliminary federal obligations for research and development, by agency and performer: FY 2006

(Dollars in millions)

Agency	Total R&D	Intramural ^a	Extramural								
			United States and U.S. territories						Nonprofit FFRDC	State, local governments	Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits				
Department of the Air Force	10,573.8	1,858.5	8,073.7	30.7	241.4	92.8	20.8	250.3	3.6	2.2	
Materiel Command	6,927.8	1,620.4	4,936.7	0.8	241.0	16.0	20.8	89.8	0.1	2.2	
Space Command	3,646.0	238.1	3,136.9	29.8	0.4	76.8	0.0	160.5	3.5	0.0	
Department of the Army	9,040.5	2,087.1	6,620.7	3.2	233.3	26.3	16.6	51.1	0.0	2.2	
Department of the Navy	17,889.1	4,622.4	12,278.7	3.6	685.4	48.0	121.1	78.4	0.7	50.9	
Operational Test and Evaluation, Director	178.6	76.5	75.8	0.0	6.2	0.4	0.0	19.7	0.0	0.0	
Department of Education	314.7	22.3	14.3	0.0	221.3	0.0	56.2	0.0	0.5	0.0	
Department of Energy	7,464.6	754.2	1,285.5	880.1	704.5	2,847.5	89.2	901.4	0.8	1.5	
Bonneville Power Administration	25.9	25.1	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	
Civilian Radioactive Waste Management	43.7	3.4	0.5	16.9	0.0	22.6	0.0	0.4	0.0	0.0	
Energy Efficiency and Renewable Energy	610.2	238.4	0.0	42.2	62.7	56.4	17.3	193.1	0.0	0.0	
Environmental Management	61.4	*	11.1	49.1	0.6	0.6	0.0	0.0	0.0	0.0	
Fossil Energy	477.9	110.1	249.1	5.0	45.4	20.8	24.1	22.1	0.8	0.3	
National Nuclear Security Administration	3,469.3	320.2	881.1	670.7	54.7	1,493.0	22.4	27.3	0.0	0.0	
Defense Programs	2,605.4	313.8	213.9	583.4	45.6	1,428.0	20.8	0.0	0.0	0.0	
Naval Reactors	721.0	*	661.6	57.3	0.0	0.4	1.6	0.1	0.0	0.0	
Nonproliferation and Verification	142.9	6.4	5.6	30.1	9.1	64.6	0.0	27.2	0.0	0.0	
Nuclear Energy	94.1	*	16.1	44.1	6.0	14.9	0.0	13.1	0.0	0.0	
Office of Science	2,682.1	57.0	127.7	52.1	535.1	1,239.2	25.3	644.5	0.0	1.2	
Department of Health and Human Services	28,964.4	5,521.3	1,871.0	420.1	16,104.5	82.3	4,367.2	22.5	214.7	360.7	
Administration for Children and Families	21.0	1.0	0.0	0.0	17.7	0.0	1.4	0.0	0.8	0.0	
Agency for Healthcare Research and Quality	318.7	82.4	86.8	0.0	76.0	0.0	66.7	0.0	5.6	1.1	
Agency for Toxic Substances and Disease Registry	9.8	4.2	0.1	0.0	3.1	0.0	1.0	0.0	1.4	0.1	
Centers for Disease Control and Prevention	485.2	183.1	31.4	0.0	253.5	0.0	14.6	0.0	1.9	0.7	
Centers for Medicare and Medicaid Services	45.2	*	11.3	0.0	2.7	0.0	9.5	0.0	21.7	0.0	
Food and Drug Administration	149.1	112.0	6.1	0.0	19.5	0.0	11.1	0.0	0.0	0.3	
Health Resources and Services Administration	20.8	2.5	0.0	0.0	12.7	0.0	4.5	0.0	1.0	0.0	
National Institutes of Health	27,804.8	5,131.5	1,727.7	420.1	15,700.3	82.3	4,245.6	22.5	116.4	358.4	
Office of the Secretary	19.0	4.6	7.6	0.0	3.4	0.0	3.4	0.0	0.0	0.0	
Office of the Assistant Secretary, Planning and Evaluation	19.0	4.6	7.6	0.0	3.4	0.0	3.4	0.0	0.0	0.0	
Substance Abuse and Mental Health Services Administration ^b	90.7	*	0.0	0.0	15.4	0.0	9.3	0.0	66.0	0.0	

TABLE 10. Preliminary federal obligations for research and development, by agency and performer: FY 2006

(Dollars in millions)

Agency	Total R&D	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
Department of Homeland Security	1,446.6	929.6	274.6	58.8	10.5	107.7	60.6	4.5	0.4	0.0
Science and Technology Directorate	1,236.5	723.1	274.3	56.3	10.5	107.5	60.6	3.9	0.4	0.0
Transportation Security Administration	209.0	205.7	0.0	2.5	0.0	0.2	0.0	0.6	0.0	0.0
U.S. Secret Service	1.1	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Housing and Urban Development	41.5	23.1	13.5	0.0	1.8	0.0	3.2	0.0	0.0	0.0
Department of the Interior	561.1	474.9	15.5	0.0	46.7	0.0	1.6	0.0	21.5	0.9
Bureau of Reclamation	10.0	4.3	4.5	0.0	0.9	0.0	0.0	0.0	0.2	*
Geological Survey	519.2	462.2	3.9	0.0	32.0	0.0	0.0	0.0	21.0	0.0
Minerals Management Service	25.2	7.3	6.6	0.0	9.2	0.0	1.3	0.0	0.0	0.8
National Park Service ^c	6.7	1.1	0.6	0.0	4.5	0.0	0.3	0.0	0.2	0.0
Department of Justice	129.2	51.3	16.0	0.0	19.4	0.0	32.0	3.0	7.5	0.0
Bureau of Prisons	10.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.0
Federal Bureau of Investigation	34.3	34.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Office of Justice Programs	84.4	14.0	16.0	0.0	19.4	0.0	32.0	3.0	0.0	0.0
Department of Labor	235.1	217.9	3.0	0.0	13.2	0.0	1.0	0.0	0.0	0.0
Bureau of Labor Statistics	23.0	8.9	1.1	0.0	13.0	0.0	0.0	0.0	0.0	0.0
Employee Benefits Security Administration	2.7	1.1	0.5	0.0	0.2	0.0	0.9	0.0	0.0	0.0
Employment and Training Administration	204.0	204.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Occupational Safety and Health Administration	3.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Office of the Secretary	0.1	*	0.0	0.0	*	0.0	0.1	0.0	0.0	0.0
Pension Benefit Guaranty Corporation	1.8	0.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of State	2.4	0.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Transportation	771.4	200.4	283.9	2.9	57.2	10.7	33.5	1.8	180.4	0.7
Federal Aviation Administration	202.0	69.3	98.4	2.7	21.4	10.3	0.0	0.0	0.0	0.0
Federal Highway Administration	441.4	64.2	150.1	0.0	19.0	0.4	29.4	1.8	176.4	*
Federal Motor Carrier Safety Administration	9.6	0.3	5.2	0.0	3.0	0.0	0.9	0.0	0.0	0.3
Federal Railroad Administration	28.8	15.2	11.9	0.0	1.1	0.0	0.0	0.0	0.0	0.5
Federal Transit Administration	2.3	0.8	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Highway Traffic Safety Administration	62.4	40.0	12.8	0.0	9.6	0.0	0.0	0.0	0.0	0.0
Office of the Secretary	9.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0
Pipeline and Hazardous Materials Safety Administration	12.1	2.8	3.8	0.0	2.7	0.0	2.7	0.0	0.0	0.0
Research and Innovative Technology Administration	3.8	2.7	0.2	0.2	0.3	0.0	0.5	0.0	0.0	0.0

TABLE 10. Preliminary federal obligations for research and development, by agency and performer: FY 2006

(Dollars in millions)

Agency	Total R&D	Intramural ^a	Extramural								
			United States and U.S. territories							Foreign	
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments		
Department of the Treasury	69.9	61.7	7.9	0.0	0.0	0.0	0.0	*	0.3	0.0	0.0
Bureau of Engraving and Printing	6.1	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Internal Revenue Service	59.5	51.3	7.9	0.0	0.0	0.0	0.0	*	0.3	0.0	0.0
U.S. Mint	4.3	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Veterans Affairs	392.7	392.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other agencies											
Agency for International Development	256.6	30.0	13.2	0.0	29.5	0.0	183.9	0.0	0.0	0.0	0.0
Appalachian Regional Commission	0.8	0.1	0.3	0.0	0.3	0.0	0.1	0.0	0.0	0.0	0.0
Broadcasting Board of Governors	*	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Environmental Protection Agency	568.2	387.5	52.0	0.0	80.9	0.0	40.3	0.0	5.9	1.6	
Federal Communications Commission	6.6	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Federal Trade Commission	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Library of Congress	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	8,017.9	1,247.1	3,081.8	0.0	1,260.4	1,744.4	228.3	0.0	416.2	39.8	
National Archives and Records Administration	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Science Foundation	3,740.6	15.5	133.8	0.0	3,094.8	213.1	256.6	6.9	8.4	11.5	
Nuclear Regulatory Commission	61.4	16.2	11.6	10.1	2.3	5.7	0.7	11.9	0.0	2.8	
Smithsonian Institution	115.0	115.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Social Security Administration	59.4	10.0	16.8	0.0	15.1	0.0	8.2	0.0	9.3	0.0	

* = amount greater than 0 but less than \$50,000.

FFRDC = federally funded research and development center.

^a Includes costs associated with administration of intramural and extramural programs by federal personnel and actual intramural performance.

^b 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.

^c Obligations for FY 2004–06 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: Because of rounding, detail may not add to total. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 11. Federal obligations for research and development and for R&D plant to federally funded research and development centers, by agency: FY 2004
(Dollars in thousands)

Agency	Research and development				R&D plant			
	Total	Industry FFRDC	University FFRDC	Nonprofit FFRDC	Total	Industry FFRDC	University FFRDC	Nonprofit FFRDC
All agencies	8,387,200	1,543,142	5,400,886	1,443,172	1,044,570	188,259	603,868	252,443
Departments								
Department of Commerce	1,660	0	1,660	0	0	0	0	0
National Oceanic and Atmospheric Administration	1,660	0	1,660	0	0	0	0	0
Department of Defense	1,161,660	131,647	475,962	554,051	0	0	0	0
Defense agencies and activities	479,740	81,575	260,796	137,369	0	0	0	0
Chemical and Biological Defense	4,799	0	2,901	1,898	0	0	0	0
Defense Advanced Research Projects Agency	118,709	24,017	72,122	22,570	0	0	0	0
Defense Information Systems Agency	15,235	0	1,475	13,760	0	0	0	0
Defense Logistics Agency	4,640	0	0	4,640	0	0	0	0
Defense Threat Reduction Agency	23,891	4,682	15,716	3,493	0	0	0	0
Joint Staff	5,385	0	5,385	0	0	0	0	0
Missile Defense Agency	177,117	34,510	80,607	62,000	0	0	0	0
Special Operations Command	14,897	0	14,897	0	0	0	0	0
Washington Headquarters Services	115,067	18,366	67,693	29,008	0	0	0	0
Department of the Air Force	383,376	37,061	129,581	216,734	0	0	0	0
Materiel Command	89,145	2,389	10,285	76,471	0	0	0	0
Space Command	294,231	34,672	119,296	140,263	0	0	0	0
Department of the Army	122,806	7,313	37,985	77,508	0	0	0	0
Department of the Navy	142,575	5,698	46,336	90,541	0	0	0	0
Operational Test and Evaluation, Director	33,163	0	1,264	31,899	0	0	0	0
Department of Energy	4,736,952	945,882	2,954,080	836,990	953,875	182,970	519,131	251,774
Bonneville Power Administration	623	0	0	623	0	0	0	0
Civilian Radioactive Waste Management	74,057	21,174	51,529	1,354	0	0	0	0
Energy Efficiency and Renewable Energy	279,141	40,146	53,949	185,046	19,762	669	1,714	17,379
Environmental Management	8,383	7,640	363	380	0	0	0	0
Fossil Energy	48,851	5,116	20,781	22,954	0	0	0	0
National Nuclear Security Administration	2,472,578	785,492	1,660,678	26,408	396,409	158,220	238,189	0
Defense Programs	2,271,038	683,580	1,587,458	0	395,709	157,520	238,189	0
Fissile Materials Disposition	1,000	0	0	1,000	0	0	0	0
Naval Reactors	61,605	61,125	398	82	700	700	0	0
Nonproliferation and Verification	138,935	40,787	72,822	25,326	0	0	0	0

TABLE 11. Federal obligations for research and development and for R&D plant to federally funded research and development centers, by agency: FY 2004
(Dollars in thousands)

Agency	Research and development				R&D plant			
	Total	Industry FFRDC	University FFRDC	Nonprofit FFRDC	Total	Industry FFRDC	University FFRDC	Nonprofit FFRDC
Nuclear Energy	55,500	25,455	16,889	13,156	0	0	0	0
Office of Science	1,797,819	60,859	1,149,891	587,069	537,704	24,081	279,228	234,395
Department of Health and Human Services	507,676	406,316	79,623	21,737	0	0	0	0
National Institutes of Health	507,676	406,316	79,623	21,737	0	0	0	0
Department of Homeland Security	110,709	38,540	69,066	3,103	15,762	5,289	10,106	367
Science and Technology Directorate	107,409	36,040	68,866	2,503	15,762	5,289	10,106	367
Transportation Security Administration	3,300	2,500	200	600	0	0	0	0
Department of Justice	2,875	0	0	2,875	0	0	0	0
Office of Justice Programs	2,875	0	0	2,875	0	0	0	0
Department of Transportation	16,709	4,621	11,388	700	0	0	0	0
Federal Aviation Administration	15,836	4,621	11,215	0	0	0	0	0
Federal Highway Administration	868	0	168	700	0	0	0	0
Pipeline and Hazardous Materials Safety Administration	5	0	5	0	0	0	0	0
Department of the Treasury	435	0	0	435	0	0	0	0
Internal Revenue Service	435	0	0	435	0	0	0	0
Other agencies								
National Aeronautics and Space Administration	1,582,203	0	1,582,203	0	1,225	0	1,225	0
National Science Foundation	222,421	0	215,656	6,765	73,708	0	73,406	302
Nuclear Regulatory Commission	43,900	16,136	11,248	16,516	0	0	0	0

FFRDC = federally funded research and development center.

NOTES: Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 12. Preliminary federal obligations for research and development and for R&D plant to federally funded research and development centers, by agency: FY 2005

(Dollars in thousands)

Agency	Research and development				R&D plant			
	Total	Industry FFRDC	University FFRDC	Nonprofit FFRDC	Total	Industry FFRDC	University FFRDC	Nonprofit FFRDC
All agencies	8,618,984	1,619,340	5,530,860	1,468,784	924,237	127,731	563,910	232,596
Departments								
Department of Commerce	4,515	0	4,515	0	0	0	0	0
National Oceanic and Atmospheric Administration	4,515	0	4,515	0	0	0	0	0
Department of Defense	1,162,066	175,660	461,426	524,980	0	0	0	0
Defense agencies and activities	505,792	129,968	258,748	117,076	0	0	0	0
Chemical and Biological Defense	8,375	3,865	3,968	542	0	0	0	0
Defense Advanced Research Projects Agency	153,385	30,862	93,346	29,177	0	0	0	0
Defense Information Systems Agency	15,643	0	154	15,489	0	0	0	0
Defense Logistics Agency	5,405	0	0	5,405	0	0	0	0
Defense Threat Reduction Agency	12,330	2,775	7,884	1,671	0	0	0	0
Missile Defense Agency	159,077	45,287	80,798	32,992	0	0	0	0
Special Operations Command	15,775	0	15,775	0	0	0	0	0
Washington Headquarters Services	135,802	47,179	56,823	31,800	0	0	0	0
Department of the Air Force	400,955	35,628	125,919	239,408	0	0	0	0
Materiel Command	101,503	284	11,155	90,064	0	0	0	0
Space Command	299,452	35,344	114,764	149,344	0	0	0	0
Department of the Army	81,194	5,364	28,766	47,064	0	0	0	0
Department of the Navy	139,710	4,700	46,598	88,412	0	0	0	0
Operational Test and Evaluation, Director	34,415	0	1,395	33,020	0	0	0	0
Department of Energy	4,814,105	955,516	2,972,103	886,486	830,897	119,510	479,639	231,748
Bonneville Power Administration	649	0	0	649	0	0	0	0
Civilian Radioactive Waste Management	43,393	14,014	27,710	1,669	0	0	0	0
Energy Efficiency and Renewable Energy	267,367	39,629	51,674	176,064	22,400	647	1,657	20,096
Environmental Management	43,921	43,379	542	0	0	0	0	0
Fossil Energy	48,618	5,200	21,203	22,215	0	0	0	0
National Nuclear Security Administration	2,425,655	765,088	1,633,288	27,279	269,308	91,205	178,103	0
Defense Programs	2,237,296	668,998	1,568,298	0	265,508	87,405	178,103	0
Naval Reactors	66,517	66,026	408	83	3,800	3,800	0	0
Nonproliferation and Verification	121,842	30,064	64,582	27,196	0	0	0	0
Nuclear Energy	62,311	30,260	17,634	14,417	0	0	0	0
Office of Science	1,922,191	57,946	1,220,052	644,193	539,189	27,658	299,879	211,652

TABLE 12. Preliminary federal obligations for research and development and for R&D plant to federally funded research and development centers, by agency: FY 2005

(Dollars in thousands)

Agency	Research and development				R&D plant			
	Total	Industry FFRDC	University FFRDC	Nonprofit FFRDC	Total	Industry FFRDC	University FFRDC	Nonprofit FFRDC
Department of Health and Human Services	537,613	415,327	94,846	27,440	0	0	0	0
Health Resources and Services Administration	18,678	0	13,457	5,221	0	0	0	0
National Institutes of Health	518,935	415,327	81,389	22,219	0	0	0	0
Department of Homeland Security	170,249	58,519	107,239	4,491	24,500	8,221	15,708	571
Science and Technology Directorate	166,949	56,019	107,039	3,891	24,500	8,221	15,708	571
Transportation Security Administration	3,300	2,500	200	600	0	0	0	0
Department of Justice	2,875	0	0	2,875	0	0	0	0
Office of Justice Programs	2,875	0	0	2,875	0	0	0	0
Department of Transportation	15,027	2,912	11,377	738	0	0	0	0
Federal Aviation Administration	13,982	2,792	11,190	0	0	0	0	0
Federal Highway Administration	925	0	187	738	0	0	0	0
Research and Innovative Technology Administration	120	120	0	0	0	0	0	0
Department of the Treasury	250	0	0	250	0	0	0	0
Internal Revenue Service	250	0	0	250	0	0	0	0
Other agencies								
National Aeronautics and Space Administration	1,661,314	0	1,661,314	0	1,286	0	1,286	0
National Science Foundation	217,096	0	210,171	6,925	67,554	0	67,277	277
Nuclear Regulatory Commission	33,874	11,406	7,869	14,599	0	0	0	0

FFRDC = federally funded research and development center.

NOTES: Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 13. Preliminary federal obligations for research and development and for R&D plant to federally funded research and development centers, by agency: FY 2006

(Dollars in thousands)

Agency	Research and development				R&D plant			
	Total	Industry FFRDC	University FFRDC	Nonprofit FFRDC	Total	Industry FFRDC	University FFRDC	Nonprofit FFRDC
All agencies	8,399,892	1,502,860	5,431,632	1,465,400	854,819	89,050	566,692	199,077
Departments								
Department of Commerce	4,738	0	4,738	0	0	0	0	0
National Oceanic and Atmospheric Administration	4,738	0	4,738	0	0	0	0	0
Department of Defense	1,059,623	130,999	415,486	513,138	0	0	0	0
Defense agencies and activities	455,075	93,464	247,952	113,659	0	0	0	0
Chemical and Biological Defense	26,059	20,316	5,201	542	0	0	0	0
Defense Advanced Research Projects Agency	160,702	32,853	97,371	30,478	0	0	0	0
Defense Information Systems Agency	13,896	0	88	13,808	0	0	0	0
Defense Logistics Agency	5,450	0	0	5,450	0	0	0	0
Missile Defense Agency	93,128	8,151	58,112	26,865	0	0	0	0
Special Operations Command	16,376	0	16,376	0	0	0	0	0
Washington Headquarters Services	139,464	32,144	70,804	36,516	0	0	0	0
Department of the Air Force	373,759	30,685	92,779	250,295	0	0	0	0
Materiel Command	106,618	843	15,967	89,808	0	0	0	0
Space Command	267,141	29,842	76,812	160,487	0	0	0	0
Department of the Army	80,607	3,222	26,279	51,106	0	0	0	0
Department of the Navy	130,059	3,628	48,047	78,384	0	0	0	0
Operational Test and Evaluation, Director	20,123	0	429	19,694	0	0	0	0
Department of Energy	4,628,887	880,052	2,847,462	901,373	748,818	80,794	469,848	198,176
Bonneville Power Administration	815	0	0	815	0	0	0	0
Civilian Radioactive Waste Management	39,853	16,850	22,579	424	0	0	0	0
Energy Efficiency and Renewable Energy	291,727	42,207	56,382	193,138	34,805	674	1,728	32,403
Environmental Management	49,723	49,109	614	0	0	0	0	0
Fossil Energy	47,965	5,000	20,836	22,129	0	0	0	0
National Nuclear Security Administration	2,190,969	670,722	1,492,967	27,280	217,690	70,177	147,513	0
Defense Programs	2,011,320	583,358	1,427,962	0	217,690	70,177	147,513	0
Naval Reactors	57,807	57,300	423	84	0	0	0	0
Nonproliferation and Verification	121,842	30,064	64,582	27,196	0	0	0	0
Nuclear Energy	72,032	44,100	14,863	13,069	0	0	0	0
Office of Science	1,935,803	52,064	1,239,221	644,518	496,323	9,943	320,607	165,773
Department of Health and Human Services	524,940	420,133	82,331	22,476	0	0	0	0
National Institutes of Health	524,940	420,133	82,331	22,476	0	0	0	0

TABLE 13. Preliminary federal obligations for research and development and for R&D plant to federally funded research and development centers, by agency: FY 2006

(Dollars in thousands)

Agency	Research and development			R&D plant				
	Total	Industry FFRDC	University FFRDC	Nonprofit FFRDC	Total	Industry FFRDC	University FFRDC	Nonprofit FFRDC
Department of Homeland Security	170,957	58,756	107,694	4,507	24,604	8,256	15,775	573
Science and Technology Directorate	167,657	56,256	107,494	3,907	24,604	8,256	15,775	573
Transportation Security Administration	3,300	2,500	200	600	0	0	0	0
Department of Justice	3,000	0	0	3,000	0	0	0	0
Office of Justice Programs	3,000	0	0	3,000	0	0	0	0
Department of Transportation	15,356	2,850	10,683	1,823	0	0	0	0
Federal Aviation Administration	12,910	2,650	10,260	0	0	0	0	0
Federal Highway Administration	2,246	0	423	1,823	0	0	0	0
Research and Innovative Technology Administration	200	200	0	0	0	0	0	0
Department of the Treasury	250	0	0	250	0	0	0	0
Internal Revenue Service	250	0	0	250	0	0	0	0
Other agencies								
National Aeronautics and Space Administration	1,744,379	0	1,744,379	0	1,351	0	1,351	0
National Science Foundation	220,062	0	213,149	6,913	80,046	0	79,718	328
Nuclear Regulatory Commission	27,700	10,070	5,710	11,920	0	0	0	0

FFRDC = federally funded research and development center.

NOTES: Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 14. Federal obligations for research and development to federally funded research and development centers, by FFRDC and agency: FY 2004

(Dollars in thousands)

FFRDC	Total	DHS	DOC	DOD	DOE	HHS	NASA	NSF	Other
All FFRDCs	8,387,200	110,709	1,660	1,161,660	4,736,952	507,676	1,582,203	222,241	63,919
Administered by industrial firms	1,543,142	38,540	0	131,647	945,882	406,316	0	0	20,757
Idaho National Engineering and Environmental Laboratory	122,742	15,494	0	3,197	102,340	0	0	0	1,711
National Cancer Institute at Frederick	404,862	0	0	150	0	404,712	0	0	0
Sandia National Laboratories	996,082	23,046	0	127,796	824,590	1,604	0	0	19,046
Savannah River Technology Center	19,456	0	0	504	18,952	0	0	0	0
Administered by universities and colleges ^a	5,400,886	69,066	1,660	475,962	2,954,080	79,623	1,582,203	215,656	22,636
Ames Laboratory	21,381	0	0	36	21,345	0	0	0	0
Argonne National Laboratory	271,611	0	0	8,150	245,357	9,483	0	0	8,621
Ernest Orlando Lawrence Berkeley National Laboratory	322,092	0	0	2,961	274,998	43,992	0	141	0
Fermi National Accelerator Laboratory	259,505	0	0	0	259,505	0	0	0	0
Jet Propulsion Laboratory	1,594,455	0	0	11,908	0	344	1,582,203	0	0
Lawrence Livermore National Laboratory	954,909	64,806	0	52,743	828,542	8,778	0	0	40
Lincoln Laboratory	337,461	0	0	334,641	0	0	0	0	2,820
Los Alamos National Laboratory	1,058,402	4,060	0	20,009	1,014,391	17,026	0	324	2,592
National Astronomy and Ionosphere Center	10,528	0	0	0	0	0	0	10,528	0
National Center for Atmospheric Research	106,530	0	660	4,239	0	0	0	93,236	8,395
National Optical Astronomy Observatories	55,697	0	0	0	0	0	0	55,697	0
National Radio Astronomy Observatory	55,336	0	0	0	0	0	0	55,336	0
Oak Ridge Institute for Science and Education	15,268	200	0	6,237	8,269	0	0	394	168
Princeton Plasma Physics Laboratory	52,413	0	0	25	52,388	0	0	0	0
Software Engineering Institute	27,794	0	0	27,794	0	0	0	0	0
Stanford Linear Accelerator Center	176,936	0	1,000	369	175,567	0	0	0	0
Thomas Jefferson National Accelerator Facility	80,568	0	0	6,850	73,718	0	0	0	0
Administered by nonprofit institutions ^b	1,443,172	3,103	0	554,051	836,990	21,737	0	6,765	20,526
Aerospace FFRDC	157,280	0	0	153,999	0	0	0	406	2,875
Arroyo Center	28,637	0	0	28,637	0	0	0	0	0
Brookhaven National Laboratory	259,915	2,503	0	866	238,776	12,068	0	112	5,590
C3I FFRDC	215,629	0	0	214,729	0	671	0	229	0
Center for Advanced Aviation System Development	5,432	0	0	5,432	0	0	0	0	0
Center for Naval Analyses	47,189	0	0	46,942	0	0	0	247	0
Center for Nuclear Waste Regulatory Analyses	5,977	0	0	5,810	0	167	0	0	0
Institute for Defense Analyses	10,600	0	0	7,592	0	0	0	3,008	0
Communications and Computing FFRDC	10,600	0	0	7,592	0	0	0	3,008	0
Institute for Defense Analyses Studies and Analyses FFRDC	61,114	0	0	61,114	0	0	0	0	0
Internal Revenue Service (IRS) FFRDC	555	0	0	0	0	0	0	0	555
National Defense Research Institute	10,598	0	0	8,108	0	0	0	2,490	0
National Renewable Energy Laboratory	111,773	0	0	858	110,915	0	0	0	0
Oak Ridge National Laboratory	368,896	600	0	9,685	348,296	1,707	0	273	8,335
Pacific Northwest National Laboratory	159,127	0	0	9,829	139,003	7,124	0	0	3,171
Science and Technology Policy Institute, The	450	0	0	450	0	0	0	0	0

DHS = Department of Homeland Security; DOC = Department of Commerce; DOD = Department of Defense; DOE = Department of Energy; FFRDC = federally funded research and development center; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; NSF = National Science Foundation.

^a Includes university consortia.

^b Other than universities and colleges.

NOTES: Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 15. Federal obligations for R&D plant to federally funded research and development centers, by FFRDC and agency: FY 2004

(Dollars in thousands)

FFRDC	Total	DHS	DOE	NASA	NSF
All FFRDCs	1,044,570	15,762	953,875	1,225	73,708
Administered by industrial firms	188,259	5,289	182,970	0	0
Idaho National Engineering and Environmental Laboratory	3,000	2,200	800	0	0
Sandia National Laboratories	185,185	3,089	182,096	0	0
Savannah River Technology Center	74	0	74	0	0
Administered by universities and colleges ^a	603,868	10,106	519,131	1,225	73,406
Ames Laboratory	4,016	0	4,016	0	0
Argonne National Laboratory	41,178	0	41,178	0	0
Ernest Orlando Lawrence Berkeley National Laboratory	91,909	0	91,909	0	0
Fermi National Accelerator Laboratory	52,948	0	52,948	0	0
Jet Propulsion Laboratory	1,225	0	0	1,225	0
Lawrence Livermore National Laboratory	198,709	9,510	189,199	0	0
Los Alamos National Laboratory	65,608	596	65,012	0	0
National Center for Atmospheric Research	22,554	0	0	0	22,554
National Radio Astronomy Observatory	50,852	0	0	0	50,852
Oak Ridge Institute for Science and Education	1,319	0	1,319	0	0
Princeton Plasma Physics Laboratory	19,693	0	19,693	0	0
Stanford Linear Accelerator Center	42,982	0	42,982	0	0
Thomas Jefferson National Accelerator Facility	10,875	0	10,875	0	0
Administered by nonprofit institutions ^b	252,443	367	251,774	0	302
Brookhaven National Laboratory	38,455	367	38,088	0	0
National Renewable Energy Laboratory	13,637	0	13,637	0	0
Oak Ridge National Laboratory	182,140	0	181,838	0	302
Pacific Northwest National Laboratory	18,211	0	18,211	0	0

DHS = Department of Homeland Security; DOE = Department of Energy; FFRDC = federally funded research and development center; NASA = National Aeronautics and Space Administration; NSF = National Science Foundation.

^a Includes university consortia.

^b Other than universities and colleges.

NOTES: Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 16. Federal obligations for research, by agency and performer: FY 2004

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
All agencies	53,357,811	12,085,213	6,782,732	1,131,587	22,699,136	3,687,340	5,216,369	795,507	532,923	427,004
Departments										
Department of Agriculture	1,918,826	1,237,784	16,364	0	637,823	0	19,860	0	3,228	3,767
Agricultural Marketing Service	7,942	7,667	0	0	215	0	60	0	0	0
Agricultural Research Service	988,251	892,394	0	0	83,641	0	7,972	0	834	3,410
Cooperative State Research, Education, and Extension Service	585,717	40,276	15,056	0	522,293	0	6,544	0	1,548	0
Economic Research Service	70,830	64,064	519	0	5,112	0	1,091	0	0	44
Foreign Agricultural Service	1,600	879	0	0	707	0	14	0	0	0
Forest Service	254,560	225,638	789	0	25,415	0	1,559	0	846	313
National Agricultural Statistics Service	6,140	5,666	0	0	334	0	140	0	0	0
Rural Business-Cooperative Service	3,786	1,200	0	0	106	0	2,480	0	0	0
Department of Commerce	887,931	574,667	92,710	0	196,536	1,660	12,626	0	9,282	450
Economic Development Administration	210	25	0	0	87	0	98	0	0	0
National Institute of Standards and Technology	359,651	258,607	85,825	0	12,664	0	2,282	0	194	79
National Oceanic and Atmospheric Administration	519,942	307,907	6,885	0	183,785	1,660	10,246	0	9,088	371
National Telecommunications and Information Administration	6,342	6,342	0	0	0	0	0	0	0	0
U.S. Census Bureau	1,786	1,786	0	0	0	0	0	0	0	0
Department of Defense	5,697,926	1,914,332	2,088,878	19,276	1,281,634	96,535	210,061	49,291	2,286	35,633
Defense agencies and activities	1,878,585	416,441	851,445	17,808	385,715	81,469	93,761	14,396	0	17,550
Chemical and Biological Defense	238,312	181,911	35,880	0	10,102	2,861	3,944	429	0	3,185
Defense Advanced Research Projects Agency	1,220,253	125,777	619,837	14,060	315,776	33,822	88,040	11,339	0	11,602
Defense Logistics Agency	8,553	7,928	0	0	0	0	0	625	0	0
Defense Threat Reduction Agency	298,163	87,990	182,416	3,748	5,686	14,143	458	959	0	2,763
Special Operations Command	14,898	2,002	12,812	0	84	0	0	0	0	0
Washington Headquarters Services	98,406	10,833	500	0	54,067	30,643	1,319	1,044	0	0
Department of the Air Force	1,210,519	483,276	457,263	140	207,570	2,744	54,552	1,098	1,677	2,199
Materiel Command	1,210,519	483,276	457,263	140	207,570	2,744	54,552	1,098	1,677	2,199
Department of the Army	1,471,132	669,160	453,759	1,253	289,513	1,824	21,422	30,763	7	3,431
Department of the Navy	1,137,690	345,455	326,411	75	398,836	10,498	40,326	3,034	602	12,453
Department of Education	210,846	10,684	7,561	0	148,227	0	43,438	0	936	0

TABLE 16. Federal obligations for research, by agency and performer: FY 2004

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
Department of Energy	5,498,017	251,247	346,286	669,795	797,132	2,601,354	134,575	695,899	0	1,729
Bonneville Power Administration	15,355	15,200	0	0	0	0	0	155	0	0
Civilian Radioactive Waste Management	78,880	4,823	0	21,174	0	51,529	0	1,354	0	0
Energy Efficiency and Renewable Energy	266,900	104,287	0	28,245	27,425	24,662	7,583	74,698	0	0
Environmental Management	12,836	1	0	2,291	10,320	109	0	115	0	0
Fossil Energy	231,170	32,274	127,689	5,116	48,728	5,521	6,773	5,069	0	0
National Nuclear Security Administration	2,200,394	75,921	130,800	526,655	79,286	1,352,753	16,889	18,090	0	0
Defense Programs	2,105,828	75,754	126,828	500,674	62,386	1,323,297	16,889	0	0	0
Nonproliferation and Verification	94,566	167	3,972	25,981	16,900	29,456	0	18,090	0	0
Nuclear Energy	69,414	1	8,925	25,455	8,745	16,889	50	9,349	0	0
Office of Science	2,623,068	18,740	78,872	60,859	622,628	1,149,891	103,280	587,069	0	1,729
Department of Health and Human Services	27,991,242	5,323,195	1,818,350	406,316	15,610,874	79,623	4,223,349	21,737	159,210	348,588
Administration for Children and Families	20,135	992	0	0	17,014	0	1,341	0	788	0
Administration on Aging	3,018	74	0	0	0	0	2,944	0	0	0
Agency for Healthcare Research and Quality	279,389	54,228	82,735	0	72,450	0	63,554	0	5,346	1,076
Agency for Toxic Substances and Disease Registry	10,657	3,151	674	0	4,101	0	1,174	0	1,457	100
Centers for Disease Control and Prevention	539,759	190,529	33,393	0	297,744	0	15,546	0	2,032	515
Centers for Medicare and Medicaid Services	77,601	20	19,831	0	4,374	0	16,332	0	37,044	0
Food and Drug Administration	132,298	99,521	5,417	0	17,241	0	9,821	0	0	298
Health Resources and Services Administration	16,918	2,712	0	0	10,748	0	3,458	0	0	0
National Institutes of Health	26,890,406	4,962,699	1,670,914	406,316	15,184,003	79,623	4,105,972	21,737	112,543	346,599
Office of the Secretary	21,061	9,269	5,386	0	3,199	0	3,207	0	0	0
Office of the Assistant Secretary, Planning and Evaluation	21,061	9,269	5,386	0	3,199	0	3,207	0	0	0
Department of Homeland Security	413,406	290,490	64,140	15,443	2,415	24,931	13,953	1,499	87	448
Science and Technology Directorate	284,489	166,354	63,118	12,943	2,404	24,731	13,953	899	87	0
Transportation Security Administration	122,848	119,100	0	2,500	0	200	0	600	0	448
U.S. Coast Guard	5,102	4,149	942	0	11	0	0	0	0	0
U.S. Secret Service	967	887	80	0	0	0	0	0	0	0
Department of Housing and Urban Development	17,474	10,370	2,878	0	1,931	0	2,254	0	41	0
Department of the Interior	546,574	466,760	12,580	0	53,591	0	2,276	0	8,808	2,559
Bureau of Reclamation	3,823	1,095	2,164	0	445	0	0	0	104	15
Geological Survey	504,055	457,421	3,159	0	35,243	0	0	0	8,232	0
Minerals Management Service	27,212	6,303	6,267	0	10,279	0	1,775	0	62	2,526
National Park Service ^b	11,484	1,941	990	0	7,624	0	501	0	410	18

TABLE 16. Federal obligations for research, by agency and performer: FY 2004

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
Department of Justice	47,069	7,140	5,941	0	18,654	0	10,145	2,875	2,314	0
Bureau of Prisons	5,014	2,700	0	0	0	0	0	0	2,314	0
Office of Justice Programs	42,055	4,440	5,941	0	18,654	0	10,145	2,875	0	0
Department of Labor	37,483	21,826	1,495	0	11,774	0	2,388	0	0	0
Bureau of Labor Statistics	22,400	8,400	1,000	0	11,600	0	1,400	0	0	0
Employee Benefits Security Administration	2,530	944	492	0	174	0	920	0	0	0
Employment and Training Administration	9,000	9,000	0	0	0	0	0	0	0	0
Occupational Safety and Health Administration	3,361	3,361	0	0	0	0	0	0	0	0
Office of the Secretary	121	50	3	0	0	0	68	0	0	0
Pension Benefit Guaranty Corporation	71	71	0	0	0	0	0	0	0	0
Department of State	2,987	675	2,312	0	0	0	0	0	0	0
Department of Transportation	360,196	100,385	80,646	4,621	36,284	11,333	17,497	490	108,716	224
Federal Aviation Administration	118,308	52,023	27,648	4,621	22,801	11,215	0	0	0	0
Federal Highway Administration	201,879	29,227	37,162	0	9,946	118	16,195	490	108,716	25
Federal Motor Carrier Safety Administration	6,368	1,519	1,496	0	2,244	0	1,109	0	0	0
Federal Railroad Administration	24,311	14,177	8,642	0	1,293	0	0	0	0	199
Federal Transit Administration	40	40	0	0	0	0	0	0	0	0
National Highway Traffic Safety Administration	6,666	1,519	5,147	0	0	0	0	0	0	0
Pipeline and Hazardous Materials Safety Administration	2,624	1,880	551	0	0	0	193	0	0	0
Department of the Treasury	61,258	53,954	6,866	0	3	0	0	435	0	0
Bureau of Engraving and Printing	3,951	3,951	0	0	0	0	0	0	0	0
Internal Revenue Service	57,307	50,003	6,866	0	3	0	0	435	0	0
Department of Veterans Affairs	383,909	383,909	0	0	0	0	0	0	0	0
Other agencies										
Agency for International Development	241,407	29,618	13,500	0	29,501	0	168,788	0	0	0
Appalachian Regional Commission	622	54	388	0	100	0	80	0	0	0
Broadcasting Board of Governors	1,001	1,001	0	0	0	0	0	0	0	0
Environmental Protection Agency	536,802	366,151	49,143	0	76,377	0	38,038	0	5,612	1,481
Federal Communications Commission	4,141	4,141	0	0	0	0	0	0	0	0
Federal Trade Commission	1,618	1,618	0	0	0	0	0	0	0	0
Library of Congress	16,400	16,400	0	0	0	0	0	0	0	0
National Aeronautics and Space Administration	4,499,422	872,922	2,028,755	0	661,221	645,000	53,223	0	220,528	17,773
National Archives and Records Administration	120	120	0	0	0	0	0	0	0	0

TABLE 16. Federal obligations for research, by agency and performer: FY 2004
(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
National Science Foundation	3,770,669	15,673	131,164	0	3,122,315	215,656	259,087	6,765	8,475	11,534
Nuclear Regulatory Commission	72,094	15,235	4,508	16,136	4,239	11,248	1,528	16,516	0	2,684
Smithsonian Institution	108,000	108,000	0	0	0	0	0	0	0	0
Social Security Administration	30,371	6,862	8,267	0	8,505	0	3,203	0	3,400	134

FFRDC = federally funded research and development center.

^a Includes costs associated with administration of intramural and extramural programs by federal personnel and actual intramural performance.

^b Obligations for FY 2004–06 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 C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 17. Preliminary federal obligations for research, by agency and performer: FY 2005

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural								
			United States and U.S. territories						Nonprofit FFRDC	State, local governments	Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits				
All agencies	55,546,294	12,810,435	7,418,661	1,122,618	23,244,896	3,767,364	5,329,941	865,287	549,629	437,463	
Departments											
Department of Agriculture	2,120,064	1,275,291	16,591	0	805,291	0	17,578	0	2,402	2,911	
Agricultural Marketing Service	7,910	7,910	0	0	0	0	0	0	0	0	
Agricultural Research Service	995,472	901,567	0	0	84,741	0	5,980	0	626	2,558	
Cooperative State Research, Education, and Extension Service	749,862	37,924	15,302	0	689,161	0	6,545	0	930	0	
Economic Research Service	74,170	67,697	500	0	4,933	0	1,000	0	0	40	
Foreign Agricultural Service	1,600	879	0	0	707	0	14	0	0	0	
Forest Service	281,220	252,298	789	0	25,415	0	1,559	0	846	313	
National Agricultural Statistics Service	6,150	5,816	0	0	334	0	0	0	0	0	
Rural Business-Cooperative Service	3,680	1,200	0	0	0	0	2,480	0	0	0	
Department of Commerce	918,946	642,326	73,147	0	178,041	3,043	15,397	0	6,926	66	
Economic Development Administration	488	25	0	0	0	0	463	0	0	0	
National Institute of Standards and Technology	375,346	298,541	63,459	0	11,628	0	1,652	0	0	66	
National Oceanic and Atmospheric Administration	535,223	335,871	9,688	0	166,413	3,043	13,282	0	6,926	0	
National Telecommunications and Information Administration	6,333	6,333	0	0	0	0	0	0	0	0	
U.S. Census Bureau	1,556	1,556	0	0	0	0	0	0	0	0	
Department of Defense	6,486,381	2,096,853	2,421,336	24,216	1,515,695	95,412	233,372	55,076	2,978	41,443	
Defense agencies and activities	2,238,645	401,988	1,104,664	24,001	478,236	76,118	113,561	18,741	0	21,336	
Chemical and Biological Defense	230,693	158,497	35,687	3,865	20,278	3,968	3,559	542	0	4,297	
Defense Advanced Research Projects Agency	1,523,370	157,001	773,524	17,543	394,509	42,214	109,947	14,154	0	14,478	
Defense Logistics Agency	8,548	6,048	0	0	0	0	0	2,500	0	0	
Defense Threat Reduction Agency	353,335	62,914	272,842	2,593	2,996	7,884	0	1,545	0	2,561	
Special Operations Command	26,583	3,572	22,611	0	400	0	0	0	0	0	
Washington Headquarters Services	96,116	13,956	0	0	60,053	22,052	55	0	0	0	
Department of the Air Force	1,238,008	507,419	463,843	137	208,196	4,415	49,716	1,173	2,208	901	
Materiel Command	1,238,008	507,419	463,843	137	208,196	4,415	49,716	1,173	2,208	901	
Department of the Army	1,693,690	779,662	464,750	0	388,030	1,675	23,040	31,362	0	5,171	
Department of the Navy	1,316,038	407,784	388,079	78	441,233	13,204	47,055	3,800	770	14,035	
Department of Education	195,020	12,680	8,004	0	131,066	0	42,770	0	500	0	

TABLE 17. Preliminary federal obligations for research, by agency and performer: FY 2005

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural								
			United States and U.S. territories						Nonprofit FFRDC	State, local governments	Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits				
Department of Energy	5,700,401	460,206	406,166	646,139	732,059	2,638,811	55,058	760,829	0	1,133	
Bonneville Power Administration	15,733	15,571	0	0	0	0	0	162	0	0	
Civilian Radioactive Waste Management	62,659	4,888	14,378	14,014	0	27,710	0	1,669	0	0	
Energy Efficiency and Renewable Energy	273,220	106,757	0	28,890	28,075	25,247	7,763	76,488	0	0	
Environmental Management	16,268	1	2,928	13,013	163	163	0	0	0	0	
Fossil Energy	215,955	31,711	114,301	5,200	47,913	5,200	6,650	4,980	0	0	
National Nuclear Security Administration	2,248,647	173,911	115,626	496,816	81,673	1,342,805	17,497	20,319	0	0	
Defense Programs	2,164,118	168,366	112,452	478,427	72,648	1,314,728	17,497	0	0	0	
Nonproliferation and Verification	84,529	5,545	3,174	18,389	9,025	28,077	0	20,319	0	0	
Nuclear Energy	80,419	1	6,488	30,260	13,018	17,634	0	13,018	0	0	
Office of Science	2,787,500	127,366	152,445	57,946	561,217	1,220,052	23,148	644,193	0	1,133	
Department of Health and Human Services	28,562,934	5,438,293	1,859,565	415,327	15,909,219	84,847	4,314,717	22,219	162,174	356,573	
Administration for Children and Families	20,558	1,013	0	0	17,371	0	1,369	0	805	0	
Administration on Aging	3,010	73	0	0	0	0	2,937	0	0	0	
Agency for Healthcare Research and Quality	293,199	56,909	86,825	0	76,031	0	66,695	0	5,610	1,129	
Agency for Toxic Substances and Disease Registry	9,464	4,053	50	0	2,940	0	1,000	0	1,321	100	
Centers for Disease Control and Prevention	485,206	183,060	31,389	0	253,517	0	14,613	0	1,910	717	
Centers for Medicare and Medicaid Services	78,119	20	19,525	0	4,686	0	16,400	0	37,488	0	
Food and Drug Administration	150,646	113,109	6,204	0	19,745	0	11,247	0	0	341	
Health Resources and Services Administration	16,938	2,732	0	0	10,748	3,458	0	0	0	0	
National Institutes of Health	27,486,794	5,072,764	1,707,972	415,327	15,520,761	81,389	4,197,036	22,219	115,040	354,286	
Office of the Secretary	19,000	4,560	7,600	0	3,420	0	3,420	0	0	0	
Office of the Assistant Secretary, Planning and Evaluation	19,000	4,560	7,600	0	3,420	0	3,420	0	0	0	
Department of Homeland Security	610,306	420,630	100,860	22,618	3,737	38,640	21,688	1,997	136	0	
Science and Technology Directorate	442,186	258,565	98,105	20,118	3,737	38,440	21,688	1,397	136	0	
Transportation Security Administration	159,061	155,761	0	2,500	0	200	0	600	0	0	
U.S. Coast Guard	7,965	5,410	2,555	0	0	0	0	0	0	0	
U.S. Secret Service	1,094	894	200	0	0	0	0	0	0	0	
Department of Housing and Urban Development	17,828	10,580	2,937	0	1,971	0	2,299	0	41	0	
Department of the Interior	535,973	450,851	13,042	0	51,772	0	2,243	0	17,016	1,049	
Bureau of Reclamation	4,807	1,485	2,720	0	452	0	0	0	130	20	
Geological Survey	494,769	440,565	2,848	0	34,819	0	0	0	16,537	0	
Minerals Management Service	27,894	7,361	6,746	0	10,855	0	1,871	0	45	1,016	
National Park Service ^b	8,503	1,440	728	0	5,646	0	372	0	304	13	

TABLE 17. Preliminary federal obligations for research, by agency and performer: FY 2005

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
Department of Justice	51,961	7,901	8,335	0	16,500	0	14,600	2,875	1,750	0
Bureau of Prisons	4,650	2,900	0	0	0	0	0	0	1,750	0
Office of Justice Programs	47,311	5,001	8,335	0	16,500	0	14,600	2,875	0	0
Department of Labor	37,251	21,282	1,696	0	13,279	0	994	0	0	0
Bureau of Labor Statistics	23,000	8,700	1,200	0	13,100	0	0	0	0	0
Employee Benefits Security Administration	2,693	1,093	496	0	179	0	925	0	0	0
Employment and Training Administration	8,000	8,000	0	0	0	0	0	0	0	0
Occupational Safety and Health Administration	3,415	3,415	0	0	0	0	0	0	0	0
Office of the Secretary	70	1	0	0	0	0	69	0	0	0
Pension Benefit Guaranty Corporation	73	73	0	0	0	0	0	0	0	0
Department of State	2,345	695	1,650	0	0	0	0	0	0	0
Department of Transportation	479,953	138,865	156,790	2,912	45,361	11,321	20,090	517	103,689	408
Federal Aviation Administration	149,450	56,239	57,988	2,792	21,241	11,190	0	0	0	0
Federal Highway Administration	226,046	24,925	69,986	0	10,302	131	16,496	517	103,689	0
Federal Motor Carrier Safety Administration	8,341	533	2,226	0	2,000	0	3,449	0	0	133
Federal Railroad Administration	30,645	14,712	12,611	0	3,047	0	0	0	0	275
Federal Transit Administration	300	300	0	0	0	0	0	0	0	0
National Highway Traffic Safety Administration	61,131	39,124	13,236	0	8,771	0	0	0	0	0
Pipeline and Hazardous Materials Safety Administration	3,142	2,369	668	0	0	0	105	0	0	0
Research and Innovative Technology Administration	898	663	75	120	0	0	40	0	0	0
Department of the Treasury	63,119	56,389	6,471	0	0	0	9	250	0	0
Bureau of Engraving and Printing	5,599	5,599	0	0	0	0	0	0	0	0
Internal Revenue Service	57,520	50,790	6,471	0	0	0	9	250	0	0
Department of Veterans Affairs	380,883	380,883	0	0	0	0	0	0	0	0
Other agencies										
Agency for International Development	235,100	28,018	13,000	0	27,001	0	167,081	0	0	0
Appalachian Regional Commission	750	54	250	0	300	0	146	0	0	0
Broadcasting Board of Governors	257	257	0	0	0	0	0	0	0	0
Environmental Protection Agency	431,300	294,146	39,500	0	61,390	0	30,571	0	4,513	1,180

TABLE 17. Preliminary federal obligations for research, by agency and performer: FY 2005

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
Federal Communications Commission	4,720	4,720	0	0	0	0	0	0	0	0
Federal Trade Commission	1,597	1,597	0	0	0	0	0	0	0	0
Library of Congress	2,226	2,226	0	0	0	0	0	0	0	0
National Aeronautics and Space Administration	4,782,114	916,566	2,130,194	0	677,647	677,250	130,502	0	231,369	18,586
National Archives and Records Administration	120	120	0	0	0	0	0	0	0	0
National Science Foundation	3,694,955	15,284	133,861	0	3,055,760	210,171	253,260	6,925	8,260	11,434
Nuclear Regulatory Commission	70,750	15,743	13,655	11,406	4,063	7,869	735	14,599	0	2,680
Smithsonian Institution	109,000	109,000	0	0	0	0	0	0	0	0
Social Security Administration	50,040	8,979	11,611	0	14,744	0	6,831	0	7,875	0

FFRDC = federally funded research and development center.

^a Includes costs associated with administration of intramural and extramural programs by federal personnel and actual intramural performance.

^b Obligations for FY 2004–06 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 C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 18. Preliminary federal obligations for research, by agency and performer: FY 2006
(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
All agencies	54,979,103	12,734,210	7,385,599	1,081,282	22,915,100	3,673,272	5,336,181	862,197	549,333	441,929
Departments										
Department of Agriculture	1,777,807	1,205,937	13,462	0	543,753	0	10,603	0	1,780	2,272
Agricultural Marketing Service	5,554	5,554	0	0	0	0	0	0	0	0
Agricultural Research Service	896,496	852,279	0	0	37,344	0	4,485	0	469	1,919
Cooperative State Research, Education, and Extension Service	525,788	35,685	12,173	0	473,920	0	3,545	0	465	0
Economic Research Service	80,749	73,676	500	0	5,533	0	1,000	0	0	40
Foreign Agricultural Service	1,600	879	0	0	707	0	14	0	0	0
Forest Service	259,720	230,798	789	0	25,415	0	1,559	0	846	313
National Agricultural Statistics Service	6,200	5,866	0	0	334	0	0	0	0	0
Rural Business-Cooperative Service	1,700	1,200	0	0	500	0	0	0	0	0
Department of Commerce	821,403	632,884	20,672	0	148,263	3,118	11,015	0	5,447	4
National Institute of Standards and Technology	351,700	323,190	14,292	0	13,249	0	765	0	200	4
National Oceanic and Atmospheric Administration	458,368	298,359	6,380	0	135,014	3,118	10,250	0	5,247	0
National Telecommunications and Information Administration	9,213	9,213	0	0	0	0	0	0	0	0
U.S. Census Bureau	2,122	2,122	0	0	0	0	0	0	0	0
Department of Defense	5,930,635	1,919,474	2,317,749	40,103	1,264,897	104,808	189,227	52,240	613	41,524
Defense agencies and activities	2,458,621	460,327	1,222,446	39,945	483,642	80,873	127,366	18,405	0	25,617
Chemical and Biological Defense	371,408	264,592	39,706	20,316	22,481	5,201	9,085	542	0	9,485
Defense Advanced Research Projects Agency	1,664,115	172,467	858,959	19,629	416,534	46,605	118,226	15,563	0	16,132
Defense Logistics Agency	8,853	6,553	0	0	0	0	0	2,300	0	0
Defense Threat Reduction Agency	317,895	5,792	310,073	0	2,030	0	0	0	0	0
Special Operations Command	15,939	2,141	13,708	0	90	0	0	0	0	0
Washington Headquarters Services	80,411	8,782	0	0	42,507	29,067	55	0	0	0
Department of the Air Force	1,257,070	502,975	514,970	85	207,728	12,617	15,525	981	66	2,123
Materiel Command	1,257,070	502,975	514,970	85	207,728	12,617	15,525	981	66	2,123
Department of the Army	1,149,754	632,726	276,738	0	198,135	1,720	8,423	30,075	0	1,937

TABLE 18. Preliminary federal obligations for research, by agency and performer: FY 2006
(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural								
			United States and U.S. territories						Nonprofit FFRDC	State, local governments	Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits				
Department of the Navy	1,065,190	323,446	303,595	73	375,392	9,598	37,913	2,779	547	11,847	
Department of Education	224,684	15,787	7,072	0	159,599	0	41,906	0	320	0	
Department of Energy	5,484,095	525,035	379,696	585,424	670,638	2,503,685	56,274	762,119	0	1,224	
Bonneville Power Administration	16,362	16,177	0	0	0	0	0	185	0	0	
Civilian Radioactive Waste Management	43,724	3,410	461	16,850	0	22,579	0	424	0	0	
Energy Efficiency and Renewable Energy	285,516	111,561	0	30,016	29,338	26,383	8,112	80,106	0	0	
Environmental Management	18,417	1	3,315	14,732	185	184	0	0	0	0	
Fossil Energy	212,311	30,475	114,254	5,000	45,422	5,490	6,673	4,997	0	0	
National Nuclear Security Administration	2,133,054	306,438	117,892	422,662	54,583	1,194,965	16,195	20,319	0	0	
Defense Programs	2,048,525	300,893	114,718	404,273	45,558	1,166,888	16,195	0	0	0	
Nonproliferation and Verification	84,529	5,545	3,174	18,389	9,025	28,077	0	20,319	0	0	
Nuclear Energy	92,612	1	16,078	44,100	6,000	14,863	0	11,570	0	0	
Office of Science	2,682,099	56,972	127,696	52,064	535,110	1,239,221	25,294	644,518	0	1,224	
Department of Health and Human Services	28,844,152	5,495,819	1,871,029	420,133	16,087,091	82,331	4,356,831	22,476	147,769	360,673	
Administration for Children and Families	20,990	1,034	0	0	17,736	0	1,398	0	822	0	
Agency for Healthcare Research and Quality	293,199	56,909	86,825	0	76,031	0	66,695	0	5,610	1,129	
Agency for Toxic Substances and Disease Registry	9,843	4,216	52	0	3,057	0	1,040	0	1,374	104	
Centers for Disease Control and Prevention	485,206	183,060	31,389	0	253,517	0	14,613	0	1,910	717	
Centers for Medicare and Medicaid Services	45,194	20	11,294	0	2,710	0	9,487	0	21,683	0	
Food and Drug Administration	149,134	112,018	6,134	0	19,524	0	11,121	0	0	337	
Health Resources and Services Administration	16,747	2,541	0	0	10,748	0	3,458	0	0	0	
National Institutes of Health	27,804,839	5,131,461	1,727,735	420,133	15,700,348	82,331	4,245,599	22,476	116,370	358,386	
Office of the Secretary	19,000	4,560	7,600	0	3,420	0	3,420	0	0	0	
Office of the Assistant Secretary, Planning and Evaluation	19,000	4,560	7,600	0	3,420	0	3,420	0	0	0	
Department of Homeland Security	616,914	428,994	98,742	22,702	3,753	38,803	21,780	2,003	137	0	
Science and Technology Directorate	444,066	259,666	98,522	20,202	3,753	38,603	21,780	1,403	137	0	

TABLE 18. Preliminary federal obligations for research, by agency and performer: FY 2006
(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
Transportation Security Administration	171,700	168,400	0	2,500	0	200	0	600	0	0
U.S. Secret Service	1,148	928	220	0	0	0	0	0	0	0
Department of Housing and Urban Development	14,554	8,637	2,398	0	1,642	0	1,877	0	0	0
Department of the Interior	495,125	423,648	10,637	0	41,659	0	1,537	0	16,809	835
Bureau of Reclamation	3,486	1,505	1,569	0	324	0	0	0	77	11
Geological Survey	461,123	413,983	2,053	0	28,550	0	0	0	16,537	0
Minerals Management Service	25,165	7,254	6,553	0	9,234	0	1,300	0	0	824
National Park Service ^b	5,351	906	462	0	3,551	0	237	0	195	0
Department of Justice	62,051	7,901	14,000	0	16,400	0	19,000	3,000	1,750	0
Bureau of Prisons	4,650	2,900	0	0	0	0	0	0	1,750	0
Office of Justice Programs	57,401	5,001	14,000	0	16,400	0	19,000	3,000	0	0
Department of Labor	38,323	22,558	1,596	0	13,179	0	990	0	0	0
Bureau of Labor Statistics	23,000	8,900	1,100	0	13,000	0	0	0	0	0
Employee Benefits Security Administration	2,702	1,102	496	0	179	0	925	0	0	0
Employment and Training Administration	9,000	9,000	0	0	0	0	0	0	0	0
Occupational Safety and Health Administration	3,480	3,480	0	0	0	0	0	0	0	0
Office of the Secretary	66	1	0	0	0	0	65	0	0	0
Pension Benefit Guaranty Corporation	75	75	0	0	0	0	0	0	0	0
Department of State	2,366	716	1,650	0	0	0	0	0	0	0
Department of Transportation	532,271	151,350	185,182	2,850	48,342	10,556	23,153	1,276	109,306	256
Federal Aviation Administration	130,000	55,732	39,979	2,650	21,379	10,260	0	0	0	0
Federal Highway Administration	300,790	37,687	116,406	0	13,698	296	22,121	1,276	109,306	0
Federal Motor Carrier Safety Administration	9,633	286	5,183	0	3,011	0	897	0	0	256
Federal Railroad Administration	25,091	14,917	9,709	0	465	0	0	0	0	0
Federal Transit Administration	300	300	0	0	0	0	0	0	0	0
National Highway Traffic Safety Administration	62,436	39,959	12,829	0	9,648	0	0	0	0	0
Pipeline and Hazardous Materials Safety Administration	2,311	1,235	1,076	0	0	0	0	0	0	0
Research and Innovative Technology Administration	1,710	1,234	0	200	141	0	135	0	0	0

TABLE 18. Preliminary federal obligations for research, by agency and performer: FY 2006
(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural							Foreign
			United States and U.S. territories						State, local governments	
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC		
Department of the Treasury	64,958	56,803	7,896	0	0	0	9	250	0	0
Bureau of Engraving and Printing	5,490	5,490	0	0	0	0	0	0	0	0
Internal Revenue Service	59,468	51,313	7,896	0	0	0	9	250	0	0
Department of Veterans Affairs	372,033	372,033	0	0	0	0	0	0	0	0
Other agencies										
Agency for International Development	235,100	28,018	13,000	0	27,001	0	167,081	0	0	0
Appalachian Regional Commission	750	54	300	0	300	0	96	0	0	0
Broadcasting Board of Governors	25	25	0	0	0	0	0	0	0	0
Environmental Protection Agency	455,200	310,446	41,689	0	64,792	0	32,266	0	4,762	1,245
Federal Communications Commission	6,098	6,098	0	0	0	0	0	0	0	0
Federal Trade Commission	1,587	1,587	0	0	0	0	0	0	0	0
Library of Congress	1,226	1,226	0	0	0	0	0	0	0	0
National Aeronautics and Space Administration	5,021,221	962,395	2,236,704	0	711,529	711,112	137,027	0	242,938	19,516
National Archives and Records Administration	120	120	0	0	0	0	0	0	0	0
National Science Foundation	3,740,612	15,497	133,754	0	3,094,794	213,149	256,596	6,913	8,377	11,532
Nuclear Regulatory Commission	61,397	16,180	11,586	10,070	2,338	5,710	745	11,920	0	2,848
Smithsonian Institution	115,000	115,000	0	0	0	0	0	0	0	0
Social Security Administration	59,396	9,988	16,785	0	15,130	0	8,168	0	9,325	0

FFRDC = federally funded research and development center.

^a Includes costs associated with administration of intramural and extramural programs by federal personnel and actual intramural performance.

^b Obligations for FY 2004–06 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 C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 19. Federal obligations for research, by detailed field of science and engineering: FY 2004–06
(Dollars in thousands)

Field	2004	Preliminary	
		2005	2006
All fields	53,357,811	55,546,294	54,979,103
Environmental sciences	3,741,628	3,876,003	3,754,420
Atmospheric sciences	1,259,657	NA	NA
Geological sciences	704,487	NA	NA
Oceanography	809,077	NA	NA
Environmental sciences, nec	968,407	NA	NA
Life sciences	27,728,483	28,543,240	28,207,198
Agricultural sciences	1,086,793	NA	NA
Biological sciences (excluding environmental biology)	13,091,931	NA	NA
Environmental biology	669,956	NA	NA
Medical sciences	10,898,766	NA	NA
Life sciences, nec	1,981,037	NA	NA
Mathematics and computer sciences	2,949,431	3,115,185	3,080,740
Computer sciences	2,144,873	NA	NA
Mathematics	617,823	NA	NA
Mathematics and computer sciences, nec	186,735	NA	NA
Physical sciences	5,211,124	5,473,346	5,393,615
Astronomy	920,763	NA	NA
Chemistry	1,190,981	NA	NA
Physics	2,598,563	NA	NA
Physical sciences, nec	500,817	NA	NA
Psychology	1,854,852	1,915,976	1,934,217
Biological aspects	5,950	NA	NA
Social aspects	51,653	NA	NA
Psychological sciences, nec	1,797,249	NA	NA
Social sciences	1,089,588	1,131,458	1,177,804
Anthropology	14,987	NA	NA
Economics	204,649	NA	NA
Political science	18,705	NA	NA
Sociology	120,091	NA	NA
Social sciences, nec	731,156	NA	NA
Other sciences, nec	1,916,330	2,010,261	2,034,192
Engineering	8,866,375	9,480,825	9,396,917
Aeronautical engineering	1,640,849	NA	NA
Astronautical engineering	664,878	NA	NA
Chemical engineering	318,808	NA	NA
Civil engineering	330,256	NA	NA
Electrical engineering	890,937	NA	NA
Mechanical engineering	301,886	NA	NA
Metallurgy and materials engineering	1,037,194	NA	NA
Engineering, nec	3,681,567	NA	NA

NA = not available (data collected for this table were not recorded at that level in that particular fiscal year).

nec = not elsewhere classified.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 20. Federal obligations for research, by agency and field of science and engineering: FY 2004
(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
All agencies	53,357,811	3,741,628	27,728,483	2,949,431	5,211,124	1,854,852	1,089,588	1,916,330	8,866,375
Departments									
Department of Agriculture	1,918,826	21,082	1,577,318	18,976	96,088	510	137,655	3,962	63,235
Agricultural Marketing Service	7,942	0	7,942	0	0	0	0	0	0
Agricultural Research Service	988,251	4,349	907,907	1,284	65,818	0	0	0	8,893
Cooperative State Research, Education, and Extension Service	585,717	9,273	494,555	0	17,077	0	50,505	0	14,307
Economic Research Service	70,830	0	0	0	0	0	70,830	0	0
Foreign Agricultural Service	1,600	0	1,600	0	0	0	0	0	0
Forest Service	254,560	7,460	162,834	11,552	13,193	510	15,014	3,962	40,035
National Agricultural Statistics Service	6,140	0	0	6,140	0	0	0	0	0
Rural Business-Cooperative Service	3,786	0	2,480	0	0	0	1,306	0	0
Department of Commerce	887,931	386,512	90,263	71,277	125,094	108	4,055	37,774	172,848
Economic Development Administration	210	0	0	0	0	0	210	0	0
National Institute of Standards and Technology	359,651	1,830	18,538	67,043	106,237	0	0	5,471	160,532
National Oceanic and Atmospheric Administration	519,942	384,682	71,725	3,162	18,857	0	3,239	32,303	5,974
National Telecommunications and Information Administration	6,342	0	0	0	0	0	0	0	6,342
U.S. Census Bureau	1,786	0	0	1,072	0	108	606	0	0
Department of Defense	5,697,926	343,948	765,981	871,342	599,506	61,797	45,147	200,726	2,809,479
Defense agencies and activities	1,878,585	14,952	402,283	500,282	138,197	11,473	0	63,838	747,560
Chemical and Biological Defense	238,312	0	185,266	2,315	50,731	0	0	0	0
Defense Advanced Research Projects Agency	1,220,253	11,804	183,641	456,124	46,756	968	0	1,475	519,485
Defense Logistics Agency	8,553	0	0	0	0	8,553	0	0	0
Defense Threat Reduction Agency	298,163	0	790	35,054	35,627	0	0	59,363	167,329
Special Operations Command	14,898	0	2,622	0	0	0	0	0	12,276
Washington Headquarters Services	98,406	3,148	29,964	6,789	5,083	1,952	0	3,000	48,470
Department of the Air Force	1,210,519	30,339	65,628	99,218	203,818	20,582	0	37,376	753,558
Materiel Command	1,210,519	30,339	65,628	99,218	203,818	20,582	0	37,376	753,558
Department of the Army	1,471,132	43,473	193,118	207,504	183,850	29,742	45,147	99,512	668,786

TABLE 20. Federal obligations for research, by agency and field of science and engineering: FY 2004

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
Department of the Navy	1,137,690	255,184	104,952	64,338	73,641	0	0	0	639,575
Department of Education	210,846	0	18,633	0	0	5,180	172,891	0	14,142
Department of Energy	5,498,017	282,247	416,714	904,934	2,051,328	0	0	7,370	1,835,424
Bonneville Power Administration	15,355	0	14,703	0	0	0	0	155	497
Civilian Radioactive Waste Management	78,880	0	0	0	64,166	0	0	4,325	10,389
Energy Efficiency and Renewable Energy	266,900	0	5,316	0	17,284	0	0	0	244,300
Environmental Management	12,836	12,836	0	0	0	0	0	0	0
Fossil Energy	231,170	19,523	0	0	35,665	0	0	0	175,982
National Nuclear Security Administration	2,200,394	8,133	3,500	720,305	477,094	0	0	0	991,362
Defense Programs	2,105,828	0	0	715,315	423,820	0	0	0	966,693
Nonproliferation and Verification	94,566	8,133	3,500	4,990	53,274	0	0	0	24,669
Nuclear Energy	69,414	0	0	0	0	0	0	0	69,414
Office of Science	2,623,068	241,755	393,195	184,629	1,457,119	0	0	2,890	343,480
Department of Health and Human Services	27,991,242	500,056	22,919,263	160,406	406,833	1,705,970	314,363	1,122,315	862,036
Administration for Children and Families	20,135	0	0	0	0	0	20,135	0	0
Administration on Aging	3,018	0	0	0	0	0	3,018	0	0
Agency for Healthcare Research and Quality	279,389	0	152,062	17,221	0	273	30,008	79,793	32
Agency for Toxic Substances and Disease Registry	10,657	7,132	3,525	0	0	0	0	0	0
Centers for Disease Control and Prevention	539,759	0	539,759	0	0	0	0	0	0
Centers for Medicare and Medicaid Services	77,601	0	77,601	0	0	0	0	0	0
Food and Drug Administration	132,298	0	132,298	0	0	0	0	0	0
Health Resources and Services Administration	16,918	0	16,918	0	0	0	0	0	0
National Institutes of Health	26,890,406	492,924	21,997,100	143,185	406,833	1,705,697	240,141	1,042,522	862,004
Office of the Secretary	21,061	0	0	0	0	0	21,061	0	0
Office of the Assistant Secretary, Planning and Evaluation	21,061	0	0	0	0	0	21,061	0	0
Department of Homeland Security	413,406	4,347	159,920	26,327	76,812	9,897	12,294	12,542	111,267
Science and Technology Directorate	284,489	3,804	159,920	18,883	34,280	4,200	10,420	12,542	40,440
Transportation Security Administration	122,848	0	0	6,331	42,532	3,946	1,874	0	68,165

TABLE 20. Federal obligations for research, by agency and field of science and engineering: FY 2004
(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
U.S. Coast Guard	5,102	543	0	1,113	0	784	0	0	2,662
U.S. Secret Service	967	0	0	0	0	967	0	0	0
Department of Housing and Urban Development	17,474	314	0	127	0	0	12,518	1,621	2,894
Department of the Interior	546,574	341,595	174,732	11,462	1,542	0	4,110	345	12,788
Bureau of Reclamation	3,823	0	327	0	0	0	0	345	3,151
Geological Survey	504,055	321,927	163,650	10,897	264	0	2,688	0	4,629
Minerals Management Service	27,212	14,355	5,927	524	0	0	1,398	0	5,008
National Park Service ^a	11,484	5,313	4,828	41	1,278	0	24	0	0
Department of Justice	47,069	0	0	600	0	500	34,844	11,125	0
Bureau of Prisons	5,014	0	0	600	0	500	3,914	0	0
Office of Justice Programs	42,055	0	0	0	0	0	30,930	11,125	0
Department of Labor	37,483	0	0	0	0	0	37,483	0	0
Bureau of Labor Statistics	22,400	0	0	0	0	0	22,400	0	0
Employee Benefits Security Administration	2,530	0	0	0	0	0	2,530	0	0
Employment and Training Administration	9,000	0	0	0	0	0	9,000	0	0
Occupational Safety and Health Administration	3,361	0	0	0	0	0	3,361	0	0
Office of the Secretary	121	0	0	0	0	0	121	0	0
Pension Benefit Guaranty Corporation	71	0	0	0	0	0	71	0	0
Department of State	2,987	0	0	0	0	0	2,987	0	0
Department of Transportation	360,196	33,323	6,854	2,770	294	17,167	8,179	18,854	272,755
Federal Aviation Administration	118,308	30,653	6,242	0	0	17,167	0	10,837	53,409
Federal Highway Administration	201,879	2,605	79	1,537	0	0	7,126	1,594	188,938
Federal Motor Carrier Safety Administration	6,368	0	0	0	294	0	0	6,074	0
Federal Railroad Administration	24,311	0	0	0	0	0	0	0	24,311
Federal Transit Administration	40	40	0	0	0	0	0	0	0
National Highway Traffic Safety Administration	6,666	0	533	933	0	0	867	0	4,333
Pipeline and Hazardous Materials Safety Administration	2,624	25	0	300	0	0	186	349	1,764

TABLE 20. Federal obligations for research, by agency and field of science and engineering: FY 2004
(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
Department of the Treasury	61,258	0	0	0	3,951	0	0	57,307	0
Bureau of Engraving and Printing	3,951	0	0	0	3,951	0	0	0	0
Internal Revenue Service	57,307	0	0	0	0	0	0	57,307	0
Department of Veterans Affairs	383,909	0	341,678	0	0	30,714	0	0	11,517
Other agencies									
Agency for International Development	241,407	4,500	172,980	0	0	0	63,000	927	0
Appalachian Regional Commission	622	0	0	0	0	0	622	0	0
Broadcasting Board of Governors	1,001	0	0	0	0	0	0	0	1,001
Environmental Protection Agency	536,802	182,724	211,984	16,998	19,777	0	3,162	17,935	84,222
Federal Communications Commission	4,141	0	0	170	910	0	1,856	0	1,205
Federal Trade Commission	1,618	0	0	0	0	0	1,618	0	0
Library of Congress	16,400	0	0	16,190	210	0	0	0	0
National Aeronautics and Space Administration	4,499,422	971,634	272,756	85,946	1,073,041	19,384	659	188,605	1,887,397
National Archives and Records Administration	120	0	0	0	120	0	0	0	0
National Science Foundation	3,770,669	664,860	556,160	761,906	713,071	3,625	184,954	234,022	652,071
Nuclear Regulatory Commission	72,094	0	0	0	0	0	0	0	72,094
Smithsonian Institution	108,000	4,486	43,247	0	42,547	0	16,820	900	0
Social Security Administration	30,371	0	0	0	0	0	30,371	0	0

nec = not elsewhere classified.

^a Obligations for FY 2004–06 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 C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 21. Preliminary federal obligations for research, by agency and field of science and engineering: FY 2005

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
All agencies	55,546,294	3,876,003	28,543,240	3,115,185	5,473,346	1,915,976	1,131,458	2,010,261	9,480,825
Departments									
Department of Agriculture	2,120,064	22,924	1,748,954	20,265	105,078	567	146,655	4,399	71,222
Agricultural Marketing Service	7,910	0	7,910	0	0	0	0	0	0
Agricultural Research Service	995,472	4,380	914,540	1,294	66,299	0	0	0	8,959
Cooperative State Research, Education, and Extension Service	749,862	10,260	643,072	0	24,118	0	54,616	0	17,796
Economic Research Service	74,170	0	0	0	0	0	74,170	0	0
Foreign Agricultural Service	1,600	0	1,600	0	0	0	0	0	0
Forest Service	281,220	8,284	179,352	12,821	14,661	567	16,669	4,399	44,467
National Agricultural Statistics Service	6,150	0	0	6,150	0	0	0	0	0
Rural Business-Cooperative Service	3,680	0	2,480	0	0	0	1,200	0	0
Department of Commerce	918,946	432,462	87,098	78,543	131,202	94	8,721	6,288	174,538
Economic Development Administration	488	0	0	0	0	0	488	0	0
National Institute of Standards and Technology	375,346	1,857	19,014	74,606	112,933	0	0	5,308	161,628
National Oceanic and Atmospheric Administration	535,223	430,605	68,084	3,005	18,269	0	7,703	980	6,577
National Telecommunications and Information Administration	6,333	0	0	0	0	0	0	0	6,333
U.S. Census Bureau	1,556	0	0	932	0	94	530	0	0
Department of Defense	6,486,381	381,806	973,916	1,021,659	575,920	74,146	46,920	281,960	3,130,054
Defense agencies and activities	2,238,645	18,430	454,100	624,951	149,862	11,967	0	97,255	882,080
Chemical and Biological Defense	230,693	0	183,189	100	44,967	0	0	0	2,437
Defense Advanced Research Projects Agency	1,523,370	14,631	230,925	568,442	57,957	1,204	0	1,828	648,383
Defense Logistics Agency	8,548	0	0	0	0	8,548	0	0	0
Defense Threat Reduction Agency	353,335	0	1,085	48,650	40,730	0	0	95,166	167,704
Special Operations Command	26,583	0	5,644	0	0	0	0	0	20,939
Washington Headquarters Services	96,116	3,799	33,257	7,759	6,208	2,215	0	261	42,617
Department of the Air Force	1,238,008	32,651	54,138	111,935	182,173	31,198	0	63,126	762,787
Materiel Command	1,238,008	32,651	54,138	111,935	182,173	31,198	0	63,126	762,787
Department of the Army	1,693,690	46,371	345,653	211,300	165,699	30,981	46,920	121,579	725,187
Department of the Navy	1,316,038	284,354	120,025	73,473	78,186	0	0	0	760,000
Department of Education	195,020	0	18,859	0	0	5,058	156,230	0	14,873

TABLE 21. Preliminary federal obligations for research, by agency and field of science and engineering: FY 2005

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
Department of Energy	5,700,401	293,811	368,671	927,340	2,233,383	0	0	3,573	1,873,623
Bonneville Power Administration	15,733	0	15,218	0	0	0	0	162	353
Civilian Radioactive Waste Management	62,659	0	0	0	52,777	0	0	3,411	6,471
Energy Efficiency and Renewable Energy	273,220	0	5,373	0	17,471	0	0	0	250,376
Environmental Management	16,268	16,268	0	0	0	0	0	0	0
Fossil Energy	215,955	18,750	0	0	31,683	0	0	0	165,522
National Nuclear Security Administration	2,248,647	4,900	400	702,147	567,803	0	0	0	973,397
Defense Programs	2,164,118	0	0	696,747	514,754	0	0	0	952,617
Nonproliferation and Verification	84,529	4,900	400	5,400	53,049	0	0	0	20,780
Nuclear Energy	80,419	0	0	0	0	0	0	0	80,419
Office of Science	2,787,500	253,893	347,680	225,193	1,563,649	0	0	0	397,085
Department of Health and Human Services	28,562,934	510,071	23,378,697	164,433	415,857	1,743,813	319,525	1,149,381	881,157
Administration for Children and Families	20,558	0	0	0	0	0	20,558	0	0
Administration on Aging	3,010	0	0	0	0	0	3,010	0	0
Agency for Healthcare Research and Quality	293,199	0	159,578	18,072	0	286	31,491	83,738	34
Agency for Toxic Substances and Disease Registry	9,464	6,214	3,250	0	0	0	0	0	0
Centers for Disease Control and Prevention	485,206	0	485,206	0	0	0	0	0	0
Centers for Medicare and Medicaid Services	78,119	0	78,119	0	0	0	0	0	0
Food and Drug Administration	150,646	0	150,646	0	0	0	0	0	0
Health Resources and Services Administration	16,938	0	16,938	0	0	0	0	0	0
National Institutes of Health	27,486,794	503,857	22,484,960	146,361	415,857	1,743,527	245,466	1,065,643	881,123
Office of the Secretary	19,000	0	0	0	0	0	19,000	0	0
Office of the Assistant Secretary, Planning and Evaluation	19,000	0	0	0	0	0	19,000	0	0
Department of Homeland Security	610,306	6,760	248,597	32,955	104,780	12,783	18,766	19,494	166,171
Science and Technology Directorate	442,186	5,912	248,567	29,351	53,283	6,527	16,195	19,494	62,857
Transportation Security Administration	159,061	0	30	1,868	51,497	3,940	2,571	0	99,155
U.S. Coast Guard	7,965	848	0	1,736	0	1,222	0	0	4,159
U.S. Secret Service	1,094	0	0	0	0	1,094	0	0	0
Department of Housing and Urban Development	17,828	321	0	129	0	0	12,771	1,654	2,953
Department of the Interior	535,973	333,943	174,254	8,084	1,762	0	4,407	434	13,089
Bureau of Reclamation	4,807	0	413	0	0	0	0	434	3,960
Geological Survey	494,769	316,608	163,885	8,041	25	0	3,105	0	3,105
Minerals Management Service	27,894	13,398	6,385	0	802	0	1,285	0	6,024
National Park Service ^a	8,503	3,937	3,571	43	935	0	17	0	0

TABLE 21. Preliminary federal obligations for research, by agency and field of science and engineering: FY 2005

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
Department of Justice	51,961	0	0	600	0	600	40,886	9,875	0
Bureau of Prisons	4,650	0	0	600	0	600	3,450	0	0
Office of Justice Programs	47,311	0	0	0	0	0	37,436	9,875	0
Department of Labor	37,251	0	0	0	0	0	37,251	0	0
Bureau of Labor Statistics	23,000	0	0	0	0	0	23,000	0	0
Employee Benefits Security Administration	2,693	0	0	0	0	0	2,693	0	0
Employment and Training Administration	8,000	0	0	0	0	0	8,000	0	0
Occupational Safety and Health Administration	3,415	0	0	0	0	0	3,415	0	0
Office of the Secretary	70	0	0	0	0	0	70	0	0
Pension Benefit Guaranty Corporation	73	0	0	0	0	0	73	0	0
Department of State	2,345	0	0	0	0	0	2,345	0	0
Department of Transportation	479,953	31,553	16,575	9,230	1,469	24,269	15,142	26,879	354,836
Federal Aviation Administration	149,450	28,690	11,597	0	0	24,269	0	14,986	69,908
Federal Highway Administration	226,046	2,863	88	1,574	0	0	7,306	4,308	209,907
Federal Motor Carrier Safety Administration	8,341	0	0	0	1,469	0	0	6,872	0
Federal Railroad Administration	30,645	0	0	0	0	0	0	0	30,645
Federal Transit Administration	300	0	0	0	0	0	300	0	0
National Highway Traffic Safety Administration	61,131	0	4,890	7,336	0	0	7,336	0	41,569
Pipeline and Hazardous Materials Safety Administration	3,142	0	0	320	0	0	200	240	2,382
Research and Innovative Technology Administration	898	0	0	0	0	0	0	473	425
Department of the Treasury	63,119	0	0	0	5,599	0	0	57,520	0
Bureau of Engraving and Printing	5,599	0	0	0	5,599	0	0	0	0
Internal Revenue Service	57,520	0	0	0	0	0	0	57,520	0
Department of Veterans Affairs	380,883	0	338,986	0	0	30,471	0	0	11,426
Other agencies									
Agency for International Development	235,100	4,500	165,100	0	0	0	64,600	900	0
Appalachian Regional Commission	750	0	0	0	0	0	750	0	0
Broadcasting Board of Governors	257	0	0	0	0	0	0	0	257
Environmental Protection Agency	431,300	172,023	148,401	13,221	16,465	0	2,576	15,841	62,773
Federal Communications Commission	4,720	0	0	200	810	0	2,595	0	1,115
Federal Trade Commission	1,597	0	0	0	0	0	1,597	0	0
Library of Congress	2,226	0	0	1,950	166	0	0	110	0
National Aeronautics and Space Administration	4,782,114	1,033,167	289,776	91,280	1,141,562	20,584	702	200,735	2,004,308
National Archives and Records Administration	120	0	0	0	120	0	0	0	0

TABLE 21. Preliminary federal obligations for research, by agency and field of science and engineering: FY 2005

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
National Science Foundation	3,694,955	648,087	542,598	745,296	695,392	3,591	182,042	230,269	647,680
Nuclear Regulatory Commission	70,750	0	0	0	0	0	0	0	70,750
Smithsonian Institution	109,000	4,575	42,758	0	43,781	0	16,937	949	0
Social Security Administration	50,040	0	0	0	0	0	50,040	0	0

nec = not elsewhere classified.

^a Obligations for FY 2004–06 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 C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 22. Preliminary federal obligations for research, by agency and field of science and engineering: FY 2006

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
All agencies	54,979,103	3,754,420	28,207,198	3,080,740	5,393,615	1,934,217	1,177,804	2,034,192	9,396,917
Departments									
Department of Agriculture	1,777,807	20,315	1,447,489	19,167	91,741	521	133,004	4,048	61,522
Agricultural Marketing Service	5,554	0	5,554	0	0	0	0	0	0
Agricultural Research Service	896,496	3,945	823,611	1,165	59,707	0	0	0	8,068
Cooperative State Research, Education, and Extension Service	525,788	8,751	450,678	0	18,567	0	35,223	0	12,569
Economic Research Service	80,749	0	0	0	0	0	80,749	0	0
Foreign Agricultural Service	1,600	0	1,600	0	0	0	0	0	0
Forest Service	259,720	7,619	166,046	11,802	13,467	521	15,332	4,048	40,885
National Agricultural Statistics Service	6,200	0	0	6,200	0	0	0	0	0
Rural Business-Cooperative Service	1,700	0	0	0	0	0	1,700	0	0
Department of Commerce	821,403	371,731	67,848	72,088	132,969	128	7,478	4,728	164,433
National Institute of Standards and Technology	351,700	974	15,482	67,671	114,926	0	0	3,980	148,667
National Oceanic and Atmospheric Administration	458,368	370,757	52,366	3,145	18,043	0	6,756	748	6,553
National Telecommunications and Information Administration	9,213	0	0	0	0	0	0	0	9,213
U.S. Census Bureau	2,122	0	0	1,272	0	128	722	0	0
Department of Defense	5,930,635	310,487	790,805	1,038,517	615,258	79,703	50,960	263,028	2,781,877
Defense agencies and activities	2,458,621	19,910	529,732	686,459	235,361	12,160	0	103,068	871,931
Chemical and Biological Defense	371,408	0	261,621	0	109,787	0	0	0	0
Defense Advanced Research Projects Agency	1,664,115	16,371	249,173	625,912	64,848	1,347	0	2,045	704,419
Defense Logistics Agency	8,853	0	0	0	0	8,853	0	0	0
Defense Threat Reduction Agency	317,895	0	1,127	54,129	55,053	0	0	100,839	106,747
Special Operations Command	15,939	0	2,199	0	0	0	0	0	13,740
Washington Headquarters Services	80,411	3,539	15,612	6,418	5,673	1,960	0	184	47,025
Department of the Air Force	1,257,070	25,367	53,768	115,642	186,320	37,216	0	46,104	792,653
Materiel Command	1,257,070	25,367	53,768	115,642	186,320	37,216	0	46,104	792,653
Department of the Army	1,149,754	23,280	107,940	175,473	122,141	30,327	50,960	113,856	525,777
Department of the Navy	1,065,190	241,930	99,365	60,943	71,436	0	0	0	591,516
Department of Education	224,684	0	22,166	0	0	5,224	184,429	0	12,865

TABLE 22. Preliminary federal obligations for research, by agency and field of science and engineering: FY 2006

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
Department of Energy	5,484,095	287,599	259,594	867,285	2,047,745	0	0	3,570	2,018,302
Bonneville Power Administration	16,362	0	15,752	0	0	0	0	160	450
Civilian Radioactive Waste Management	43,724	0	0	0	33,843	0	0	3,410	6,471
Energy Efficiency and Renewable Energy	285,516	0	5,126	0	16,666	0	0	0	263,724
Environmental Management	18,417	18,417	0	0	0	0	0	0	0
Fossil Energy	212,311	20,564	0	0	26,760	0	0	0	164,987
National Nuclear Security Administration	2,133,054	4,900	400	666,230	482,670	0	0	0	978,854
Defense Programs	2,048,525	0	0	660,830	429,621	0	0	0	958,074
Nonproliferation and Verification	84,529	4,900	400	5,400	53,049	0	0	0	20,780
Nuclear Energy	92,612	0	0	0	0	0	0	0	92,612
Office of Science	2,682,099	243,718	238,316	201,055	1,487,806	0	0	0	511,204
Department of Health and Human Services	28,844,152	516,150	23,604,369	166,126	420,668	1,763,987	319,788	1,161,712	891,352
Administration for Children and Families	20,990	0	0	0	0	0	20,990	0	0
Agency for Healthcare Research and Quality	293,199	0	159,578	18,072	0	286	31,491	83,738	34
Agency for Toxic Substances and Disease Registry	9,843	6,463	3,380	0	0	0	0	0	0
Centers for Disease Control and Prevention	485,206	0	485,206	0	0	0	0	0	0
Centers for Medicare and Medicaid Services	45,194	0	45,194	0	0	0	0	0	0
Food and Drug Administration	149,134	0	149,134	0	0	0	0	0	0
Health Resources and Services Administration	16,747	0	16,747	0	0	0	0	0	0
National Institutes of Health	27,804,839	509,687	22,745,130	148,054	420,668	1,763,701	248,307	1,077,974	891,318
Office of the Secretary	19,000	0	0	0	0	0	19,000	0	0
Office of the Assistant Secretary, Planning and Evaluation	19,000	0	0	0	0	0	19,000	0	0
Department of Homeland Security	616,914	5,938	249,663	31,881	114,993	11,220	21,009	19,577	162,633
Science and Technology Directorate	444,066	5,938	249,624	29,475	53,509	6,555	16,264	19,577	63,124
Transportation Security Administration	171,700	0	39	2,406	61,484	3,517	4,745	0	99,509
U.S. Secret Service	1,148	0	0	0	0	1,148	0	0	0
Department of Housing and Urban Development	14,554	262	0	106	0	0	10,426	1,350	2,410
Department of the Interior	495,125	297,616	174,711	8,158	619	0	4,172	315	9,534
Bureau of Reclamation	3,486	0	300	0	0	0	0	315	2,871
Geological Survey	461,123	281,891	164,796	8,131	25	0	3,140	0	3,140
Minerals Management Service	25,165	13,247	7,368	0	0	0	1,027	0	3,523
National Park Service ^a	5,351	2,478	2,247	27	594	0	5	0	0
Department of Justice	62,051	0	0	600	0	600	53,851	7,000	0
Bureau of Prisons	4,650	0	0	600	0	600	3,450	0	0
Office of Justice Programs	57,401	0	0	0	0	0	50,401	7,000	0

TABLE 22. Preliminary federal obligations for research, by agency and field of science and engineering: FY 2006

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
Department of Labor	38,323	0	0	0	0	0	38,323	0	0
Bureau of Labor Statistics	23,000	0	0	0	0	0	23,000	0	0
Employee Benefits Security Administration	2,702	0	0	0	0	0	2,702	0	0
Employment and Training Administration	9,000	0	0	0	0	0	9,000	0	0
Occupational Safety and Health Administration	3,480	0	0	0	0	0	3,480	0	0
Office of the Secretary	66	0	0	0	0	0	66	0	0
Pension Benefit Guaranty Corporation	75	0	0	0	0	0	75	0	0
Department of State	2,366	0	0	0	0	0	2,366	0	0
Department of Transportation	532,271	29,224	13,200	11,463	0	17,835	20,170	48,614	391,765
Federal Aviation Administration	130,000	22,878	6,889	0	0	17,835	0	26,205	56,193
Federal Highway Administration	300,790	6,346	199	2,996	0	0	12,782	12,509	265,958
Federal Motor Carrier Safety Administration	9,633	0	493	0	0	0	0	9,140	0
Federal Railroad Administration	25,091	0	0	0	0	0	0	0	25,091
Federal Transit Administration	300	0	0	0	0	0	300	0	0
National Highway Traffic Safety Administration	62,436	0	5,619	8,117	0	0	6,868	0	41,832
Pipeline and Hazardous Materials Safety Administration	2,311	0	0	350	0	0	220	0	1,741
Research and Innovative Technology Administration	1,710	0	0	0	0	0	0	760	950
Department of the Treasury	64,958	0	0	0	5,490	0	0	59,468	0
Bureau of Engraving and Printing	5,490	0	0	0	5,490	0	0	0	0
Internal Revenue Service	59,468	0	0	0	0	0	0	59,468	0
Department of Veterans Affairs	372,033	0	331,109	0	0	29,763	0	0	11,161
Other agencies									
Agency for International Development	235,100	4,500	165,100	0	0	0	64,600	900	0
Appalachian Regional Commission	750	0	0	0	0	0	750	0	0
Broadcasting Board of Governors	25	0	0	0	0	0	0	0	25
Environmental Protection Agency	455,200	163,718	181,864	13,242	13,245	0	0	15,055	68,076
Federal Communications Commission	6,098	0	0	375	900	0	2,590	0	2,233
Federal Trade Commission	1,587	0	0	0	0	0	1,587	0	0
Library of Congress	1,226	0	0	950	166	0	0	110	0
National Aeronautics and Space Administration	5,021,221	1,084,825	304,264	95,844	1,198,642	21,614	737	210,772	2,104,523
National Archives and Records Administration	120	0	0	0	120	0	0	0	0

TABLE 22. Preliminary federal obligations for research, by agency and field of science and engineering: FY 2006

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
National Science Foundation	3,740,612	657,226	550,093	754,938	705,095	3,622	184,026	232,803	652,809
Nuclear Regulatory Commission	61,397	0	0	0	0	0	0	0	61,397
Smithsonian Institution	115,000	4,829	44,923	0	45,964	0	18,142	1,142	0
Social Security Administration	59,396	0	0	0	0	0	59,396	0	0

nec = not elsewhere classified.

^a Obligations for FY 2004–06 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 C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 23. Federal obligations for research in environmental and physical sciences, by agency and detailed field: FY 2004

(Dollars in thousands)

Agency	Environmental sciences					Physical sciences				
	Total	Atmospheric sciences	Geological sciences	Oceanography	Environmental sciences, nec	Total	Astronomy	Chemistry	Physics	Physical sciences, nec
All agencies	3,741,628	1,259,657	704,487	809,077	968,407	5,211,124	920,763	1,190,981	2,598,563	500,817
Departments										
Department of Agriculture	21,082	19,455	1,627	0	0	96,088	0	90,396	5,692	0
Agricultural Research Service	4,349	4,250	99	0	0	65,818	0	62,754	3,064	0
Cooperative State Research, Education, and Extension Service	9,273	9,273	0	0	0	17,077	0	17,077	0	0
Forest Service	7,460	5,932	1,528	0	0	13,193	0	10,565	2,628	0
Department of Commerce	386,512	136,310	3,802	172,924	73,476	125,094	128	42,323	81,527	1,116
National Institute of Standards and Technology	1,830	450	537	843	0	106,237	128	36,116	68,877	1,116
National Oceanic and Atmospheric Administration	384,682	135,860	3,265	172,081	73,476	18,857	0	6,207	12,650	0
Department of Defense	343,948	47,160	25,383	234,979	36,426	599,506	559	167,009	264,198	167,740
Defense agencies and activities	14,952	1,317	0	8,632	5,003	138,197	0	43,882	47,444	46,871
Chemical and Biological Defense	0	0	0	0	0	50,731	0	32,539	0	18,192
Defense Advanced Research Projects Agency	11,804	341	0	6,460	5,003	46,756	0	9,471	8,606	28,679
Defense Threat Reduction Agency	0	0	0	0	0	35,627	0	0	35,627	0
Washington Headquarters Services	3,148	976	0	2,172	0	5,083	0	1,872	3,211	0
Department of the Air Force	30,339	11,400	16,534	0	2,405	203,818	559	45,446	129,242	28,571
Materiel Command	30,339	11,400	16,534	0	2,405	203,818	559	45,446	129,242	28,571
Department of the Army	43,473	17,030	8,849	0	17,594	183,850	0	45,017	64,892	73,941
Department of the Navy	255,184	17,413	0	226,347	11,424	73,641	0	32,664	22,620	18,357
Department of Energy	282,247	111,493	131,996	6,399	32,359	2,051,328	0	215,958	1,692,011	143,359
Civilian Radioactive Waste Management	0	0	0	0	0	64,166	0	0	0	64,166
Energy Efficiency and Renewable Energy	0	0	0	0	0	17,284	0	17,284	0	0
Environmental Management	12,836	0	0	0	12,836	0	0	0	0	0
Fossil Energy	19,523	0	0	0	19,523	35,665	0	35,665	0	0
National Nuclear Security Administration	8,133	100	8,033	0	0	477,094	0	17,665	380,236	79,193
Defense Programs	0	0	0	0	0	423,820	0	0	361,434	62,386
Nonproliferation and Verification	8,133	100	8,033	0	0	53,274	0	17,665	18,802	16,807
Office of Science	241,755	111,393	123,963	6,399	0	1,457,119	0	145,344	1,311,775	0
Department of Health and Human Services	500,056	0	0	0	500,056	406,833	0	386,128	0	20,705
Agency for Toxic Substances and Disease Registry	7,132	0	0	0	7,132	0	0	0	0	0
National Institutes of Health	492,924	0	0	0	492,924	406,833	0	386,128	0	20,705

TABLE 23. Federal obligations for research in environmental and physical sciences, by agency and detailed field: FY 2004

(Dollars in thousands)

Agency	Environmental sciences					Physical sciences				
	Total	Atmospheric sciences	Geological sciences	Oceanography	Environmental sciences, nec	Total	Astronomy	Chemistry	Physics	Physical sciences, nec
Department of Homeland Security	4,347	1,209	1,207	0	1,931	76,812	0	47,514	29,041	257
Science and Technology Directorate	3,804	1,209	1,207	0	1,388	34,280	0	25,594	8,429	257
Transportation Security Administration	0	0	0	0	0	42,532	0	21,920	20,612	0
U.S. Coast Guard	543	0	0	0	543	0	0	0	0	0
Department of Housing and Urban Development	314	0	0	0	314	0	0	0	0	0
Department of the Interior	341,595	890	195,722	12,174	132,809	1,542	0	81	78	1,383
Geological Survey	321,927	0	194,589	0	127,338	264	0	0	0	264
Minerals Management Service	14,355	753	642	12,110	850	0	0	0	0	0
National Park Service ^a	5,313	137	491	64	4,621	1,278	0	81	78	1,119
Department of Transportation	33,323	31,226	0	291	1,806	294	0	0	0	294
Federal Aviation Administration	30,653	30,653	0	0	0	0	0	0	0	0
Federal Highway Administration	2,605	573	0	291	1,741	0	0	0	0	0
Federal Motor Carrier Safety Administration	0	0	0	0	0	294	0	0	0	294
Federal Transit Administration	40	0	0	0	40	0	0	0	0	0
Pipeline and Hazardous Materials Safety Administration	25	0	0	0	25	0	0	0	0	0
Department of the Treasury	0	0	0	0	0	3,951	0	13	0	3,938
Bureau of Engraving and Printing	0	0	0	0	0	3,951	0	13	0	3,938
Other agencies										
Agency for International Development	4,500	0	0	0	4,500	0	0	0	0	0
Environmental Protection Agency	182,724	71,717	3,715	25,100	82,192	19,777	0	15,974	610	3,193
Federal Communications Commission	0	0	0	0	0	910	0	0	910	0
Library of Congress	0	0	0	0	0	210	0	127	0	83
National Aeronautics and Space Administration	971,634	623,262	175,926	103,022	69,424	1,073,041	678,304	45,777	300,444	48,516
National Archives and Records Administration	0	0	0	0	0	120	0	70	50	0
National Science Foundation	664,860	216,837	161,014	253,895	33,114	713,071	202,092	178,833	221,913	110,233
Smithsonian Institution	4,486	98	4,095	293	0	42,547	39,680	778	2,089	0

nec = not elsewhere classified.

^a Obligations for FY 2004–06 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 C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 24. Federal obligations for research in life sciences and psychology, by agency and detailed field: FY 2004

(Dollars in thousands)

Agency	Life sciences						Psychology			
	Total	Agricultural sciences	Biological sciences ^a	Environmental biology	Medical sciences	Life sciences, nec	Total	Biological aspects	Social aspects	Psychological sciences, nec
All agencies	27,728,483	1,086,793	13,091,931	669,956	10,898,766	1,981,037	1,854,852	5,950	51,653	1,797,249
Departments										
Department of Agriculture	1,577,318	986,895	226,552	331,689	32,182	0	510	0	510	0
Agricultural Marketing Service	7,942	7,942	0	0	0	0	0	0	0	0
Agricultural Research Service	907,907	705,315	63,248	123,235	16,109	0	0	0	0	0
Cooperative State Research, Education, and Extension Service	494,555	266,464	124,767	96,394	6,930	0	0	0	0	0
Foreign Agricultural Service	1,600	1,600	0	0	0	0	0	0	0	0
Forest Service	162,834	3,094	38,537	112,060	9,143	0	510	0	510	0
Rural Business-Cooperative Service	2,480	2,480	0	0	0	0	0	0	0	0
Department of Commerce	90,263	17,438	34,208	26,115	3,719	8,783	108	0	0	108
National Institute of Standards and Technology	18,538	1,818	16,195	0	325	200	0	0	0	0
National Oceanic and Atmospheric Administration	71,725	15,620	18,013	26,115	3,394	8,583	0	0	0	0
U.S. Census Bureau	0	0	0	0	0	0	108	0	0	108
Department of Defense	765,981	2,116	276,913	26,229	349,038	111,685	61,797	4,752	10,323	46,722
Defense agencies and activities	402,283	976	182,168	3,550	206,815	8,774	11,473	1,944	9,529	0
Chemical and Biological Defense	185,266	0	29,177	0	156,089	0	0	0	0	0
Defense Advanced Research Projects Agency	183,641	0	141,704	2,953	33,622	5,362	968	968	0	0
Defense Logistics Agency	0	0	0	0	0	0	8,553	0	8,553	0
Defense Threat Reduction Agency	790	0	0	0	0	790	0	0	0	0
Special Operations Command	2,622	0	0	0	0	2,622	0	0	0	0
Washington Headquarters Services	29,964	976	11,287	597	17,104	0	1,952	976	976	0
Department of the Air Force	65,628	0	26,694	10,386	794	27,754	20,582	2,808	794	16,980
Materiel Command	65,628	0	26,694	10,386	794	27,754	20,582	2,808	794	16,980
Department of the Army	193,118	1,140	53,644	2,875	122,873	12,586	29,742	0	0	29,742
Department of the Navy	104,952	0	14,407	9,418	18,556	62,571	0	0	0	0
Department of Education	18,633	0	0	0	0	18,633	5,180	0	0	5,180
Department of Energy	416,714	0	237,890	0	173,149	5,675	0	0	0	0
Bonneville Power Administration	14,703	0	14,703	0	0	0	0	0	0	0
Energy Efficiency and Renewable Energy	5,316	0	5,316	0	0	0	0	0	0	0
National Nuclear Security Administration	3,500	0	3,500	0	0	0	0	0	0	0
Nonproliferation and Verification	3,500	0	3,500	0	0	0	0	0	0	0
Office of Science	393,195	0	214,371	0	173,149	5,675	0	0	0	0

TABLE 24. Federal obligations for research in life sciences and psychology, by agency and detailed field: FY 2004

(Dollars in thousands)

Agency	Life sciences						Psychology			
	Total	Agricultural sciences	Biological sciences ^a	Environmental biology	Medical sciences	Life sciences, nec	Total	Biological aspects	Social aspects	Psychological sciences, nec
Department of Health and Human Services	22,919,263	0	11,340,442	3,500	9,871,454	1,703,867	1,705,970	0	30	1,705,940
Agency for Healthcare Research and Quality	152,062	0	0	0	152,036	26	273	0	30	243
Agency for Toxic Substances and Disease Registry	3,525	0	0	3,500	25	0	0	0	0	0
Centers for Disease Control and Prevention	539,759	0	0	0	539,759	0	0	0	0	0
Centers for Medicare and Medicaid Services	77,601	0	0	0	0	77,601	0	0	0	0
Food and Drug Administration	132,298	0	132,298	0	0	0	0	0	0	0
Health Resources and Services Administration	16,918	0	0	0	11,918	5,000	0	0	0	0
National Institutes of Health	21,997,100	0	11,208,144	0	9,167,716	1,621,240	1,705,697	0	0	1,705,697
Department of Homeland Security	159,920	7,062	146,548	2,416	3,025	869	9,897	982	5,241	3,674
Science and Technology Directorate	159,920	7,062	146,548	2,416	3,025	869	4,200	982	2,493	725
Transportation Security Administration	0	0	0	0	0	0	3,946	0	1,964	1,982
U.S. Coast Guard	0	0	0	0	0	0	784	0	784	0
U.S. Secret Service	0	0	0	0	0	0	967	0	0	967
Department of the Interior	174,732	0	90,036	84,633	0	63	0	0	0	0
Bureau of Reclamation	327	0	0	327	0	0	0	0	0	0
Geological Survey	163,650	0	86,735	76,915	0	0	0	0	0	0
Minerals Management Service	5,927	0	0	5,927	0	0	0	0	0	0
National Park Service ^b	4,828	0	3,301	1,464	0	63	0	0	0	0
Department of Justice	0	0	0	0	0	0	500	0	200	300
Bureau of Prisons	0	0	0	0	0	0	500	0	200	300
Department of Transportation	6,854	0	50	29	6,242	533	17,167	0	17,167	0
Federal Aviation Administration	6,242	0	0	0	6,242	0	17,167	0	17,167	0
Federal Highway Administration	79	0	50	29	0	0	0	0	0	0
National Highway Traffic Safety Administration	533	0	0	0	0	533	0	0	0	0
Department of Veterans Affairs	341,678	0	0	0	341,678	0	30,714	0	0	30,714
Other agencies										
Agency for International Development	172,980	71,980	0	0	0	101,000	0	0	0	0
Environmental Protection Agency	211,984	0	147,455	58,688	344	5,497	0	0	0	0
National Aeronautics and Space Administration	272,756	1,302	118,924	10,163	117,935	24,432	19,384	216	14,557	4,611
National Science Foundation	556,160	0	452,075	104,085	0	0	3,625	0	3,625	0
Smithsonian Institution	43,247	0	20,838	22,409	0	0	0	0	0	0

nec = not elsewhere classified.

^a Excluding environmental biology.

^b Obligations for FY 2004–06 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 C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 25. Federal obligations for research in mathematics and computer sciences and in social sciences, by agency and detailed field: FY 2004

(Dollars in thousands)

Agency	Mathematics and computer sciences				Social sciences					
	Total	Computer sciences	Mathematics	Mathematics and computer sciences, nec	Total	Political science			Social sciences, nec	
						Anthropology	Economics	Sociology		
All agencies	2,949,431	2,144,873	617,823	186,735	1,089,588	14,987	204,649	18,705	120,091	731,156
Departments										
Department of Agriculture	18,976	0	18,976	0	137,655	374	123,941	0	13,340	0
Agricultural Research Service	1,284	0	1,284	0	0	0	0	0	0	0
Cooperative State Research, Education, and Extension Service	0	0	0	0	50,505	0	38,555	0	11,950	0
Economic Research Service	0	0	0	0	70,830	0	70,830	0	0	0
Forest Service	11,552	0	11,552	0	15,014	374	13,250	0	1,390	0
National Agricultural Statistics Service	6,140	0	6,140	0	0	0	0	0	0	0
Rural Business-Cooperative Service	0	0	0	0	1,306	0	1,306	0	0	0
Department of Commerce	71,277	60,156	6,866	4,255	4,055	142	1,027	1,234	617	1,035
Economic Development Administration	0	0	0	0	210	0	210	0	0	0
National Institute of Standards and Technology	67,043	57,654	5,134	4,255	0	0	0	0	0	0
National Oceanic and Atmospheric Administration	3,162	2,108	1,054	0	3,239	0	817	1,234	617	571
U.S. Census Bureau	1,072	394	678	0	606	142	0	0	0	464
Department of Defense	871,342	669,273	86,688	115,381	45,147	680	0	0	33,180	11,287
Defense agencies and activities	500,282	451,959	20,457	27,866	0	0	0	0	0	0
Chemical and Biological Defense	2,315	70	0	2,245	0	0	0	0	0	0
Defense Advanced Research Projects Agency	456,124	434,557	17,109	4,458	0	0	0	0	0	0
Defense Threat Reduction Agency	35,054	14,403	0	20,651	0	0	0	0	0	0
Washington Headquarters Services	6,789	2,929	3,348	512	0	0	0	0	0	0
Department of the Air Force	99,218	36,844	27,631	34,743	0	0	0	0	0	0
Materiel Command	99,218	36,844	27,631	34,743	0	0	0	0	0	0
Department of the Army	207,504	129,827	25,215	52,462	45,147	680	0	0	33,180	11,287
Department of the Navy	64,338	50,643	13,385	310	0	0	0	0	0	0
Department of Education	0	0	0	0	172,891	0	0	0	11,901	160,990
Department of Energy	904,934	754,053	145,891	4,990	0	0	0	0	0	0
National Nuclear Security Administration	720,305	715,315	0	4,990	0	0	0	0	0	0
Defense Programs	715,315	715,315	0	0	0	0	0	0	0	0
Nonproliferation and Verification	4,990	0	0	4,990	0	0	0	0	0	0
Office of Science	184,629	38,738	145,891	0	0	0	0	0	0	0

TABLE 25. Federal obligations for research in mathematics and computer sciences and in social sciences, by agency and detailed field: FY 2004

(Dollars in thousands)

Agency	Mathematics and computer sciences				Social sciences					
	Total	Computer sciences	Mathematics	Mathematics and computer sciences, nec	Total	Political			Social sciences, nec	
						Anthropology	Economics	science		Sociology
Department of Health and Human Services	160,406	14,621	143,185	2,600	314,363	22	15,980	32	227	298,102
Administration for Children and Families	0	0	0	0	20,135	0	0	0	0	20,135
Administration on Aging	0	0	0	0	3,018	0	0	0	0	3,018
Agency for Healthcare Research and Quality	17,221	14,621	0	2,600	30,008	22	15,980	32	227	13,747
National Institutes of Health	143,185	0	143,185	0	240,141	0	0	0	0	240,141
Office of the Secretary	0	0	0	0	21,061	0	0	0	0	21,061
Office of the Assistant Secretary, Planning and Evaluation	0	0	0	0	21,061	0	0	0	0	21,061
Department of Homeland Security	26,327	12,637	6,333	7,357	12,294	257	6,303	2,524	1,612	1,598
Science and Technology Directorate	18,883	11,092	4,788	3,003	10,420	257	4,486	2,524	1,555	1,598
Transportation Security Administration	6,331	1,545	1,545	3,241	1,874	0	1,817	0	57	0
U.S. Coast Guard	1,113	0	0	1,113	0	0	0	0	0	0
Department of Housing and Urban Development	127	0	0	127	12,518	0	10,502	103	784	1,129
Department of the Interior	11,462	9,254	2,202	6	4,110	0	275	0	2,458	1,377
Geological Survey	10,897	8,695	2,202	0	2,688	0	0	0	1,476	1,212
Minerals Management Service	524	524	0	0	1,398	0	275	0	982	141
National Park Service ^a	41	35	0	6	24	0	0	0	0	24
Department of Justice	600	0	0	600	34,844	0	200	0	10,880	23,764
Bureau of Prisons	600	0	0	600	3,914	0	200	0	700	3,014
Office of Justice Programs	0	0	0	0	30,930	0	0	0	10,180	20,750
Department of Labor	0	0	0	0	37,483	0	5,962	0	0	31,521
Bureau of Labor Statistics	0	0	0	0	22,400	0	0	0	0	22,400
Employee Benefits Security Administration	0	0	0	0	2,530	0	2,530	0	0	0
Employment and Training Administration	0	0	0	0	9,000	0	0	0	0	9,000
Occupational Safety and Health Administration	0	0	0	0	3,361	0	3,361	0	0	0
Office of the Secretary	0	0	0	0	121	0	0	0	0	121
Pension Benefit Guaranty Corporation	0	0	0	0	71	0	71	0	0	0
Department of State	0	0	0	0	2,987	0	478	508	209	1,792
Department of Transportation	2,770	943	0	1,827	8,179	0	3,031	1,516	493	3,139
Federal Highway Administration	1,537	643	0	894	7,126	0	2,845	1,516	493	2,272
National Highway Traffic Safety Administration	933	0	0	933	867	0	0	0	0	867
Pipeline and Hazardous Materials Safety Administration	300	300	0	0	186	0	186	0	0	0

TABLE 25. Federal obligations for research in mathematics and computer sciences and in social sciences, by agency and detailed field: FY 2004

(Dollars in thousands)

Agency	Mathematics and computer sciences				Social sciences					
	Total	Computer	Mathematics	Mathematics and computer sciences, nec	Total	Anthropology	Economics	Political		Social sciences, nec
		sciences						science	Sociology	
Other agencies										
Agency for International Development	0	0	0	0	63,000	0	7,900	6,150	38,250	10,700
Appalachian Regional Commission	0	0	0	0	622	0	426	0	0	196
Environmental Protection Agency	16,998	4,539	10,088	2,371	3,162	0	3,162	0	0	0
Federal Communications Commission	170	170	0	0	1,856	0	1,856	0	0	0
Federal Trade Commission	0	0	0	0	1,618	0	1,618	0	0	0
Library of Congress	16,190	16,190	0	0	0	0	0	0	0	0
National Aeronautics and Space Administration	85,946	35,165	3,560	47,221	659	0	0	0	238	421
National Science Foundation	761,906	567,872	194,034	0	184,954	10,792	21,988	6,638	5,522	140,014
Smithsonian Institution	0	0	0	0	16,820	2,720	0	0	380	13,720
Social Security Administration	0	0	0	0	30,371	0	0	0	0	30,371

nec = not elsewhere classified.

^a Obligations for FY 2004–06 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 C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 26. Federal obligations for research in engineering, by agency and detailed field: FY 2004

(Dollars in thousands)

Agency	Total	Aeronautical engineering	Astronautical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgy and materials engineering	Engineering, nec
All agencies	8,866,375	1,640,849	664,878	318,808	330,256	890,937	301,886	1,037,194	3,681,567
Departments									
Department of Agriculture	63,235	0	0	8,278	6,102	874	4,265	0	43,716
Agricultural Research Service	8,893	0	0	4,447	1,383	791	988	0	1,284
Cooperative State Research, Education, and Extension Service	14,307	0	0	0	0	0	0	0	14,307
Forest Service	40,035	0	0	3,831	4,719	83	3,277	0	28,125
Department of Commerce	172,848	0	0	4,376	27,802	59,919	3,866	41,175	35,710
National Institute of Standards and Technology	160,532	0	0	4,376	24,100	51,469	3,866	41,175	35,546
National Oceanic and Atmospheric Administration	5,974	0	0	0	3,702	2,108	0	0	164
National Telecommunications and Information Administration	6,342	0	0	0	0	6,342	0	0	0
Department of Defense	2,809,479	417,062	114,518	34,920	38,135	694,072	253,400	376,510	880,862
Defense agencies and activities	747,560	43,809	0	3,486	1,466	193,094	14,391	135,841	355,473
Defense Advanced Research Projects Agency	519,485	43,809	0	1,476	0	169,966	10,750	135,841	157,643
Defense Threat Reduction Agency	167,329	0	0	0	0	12,759	0	0	154,570
Special Operations Command	12,276	0	0	0	0	0	0	0	12,276
Washington Headquarters Services	48,470	0	0	2,010	1,466	10,369	3,641	0	30,984
Department of the Air Force	753,558	269,079	107,127	6,960	8,079	94,427	34,727	79,360	153,799
Materiel Command	753,558	269,079	107,127	6,960	8,079	94,427	34,727	79,360	153,799
Department of the Army	668,786	67,391	0	24,474	28,590	219,698	147,973	79,598	101,062
Department of the Navy	639,575	36,783	7,391	0	0	186,853	56,309	81,711	270,528
Department of Education	14,142	0	0	0	0	0	0	0	14,142
Department of Energy	1,835,424	800	0	175,847	49,996	32,323	10,353	414,626	1,151,479
Bonneville Power Administration	497	0	0	0	497	0	0	0	0
Civilian Radioactive Waste Management	10,389	0	0	0	0	0	0	0	10,389
Energy Efficiency and Renewable Energy	244,300	0	0	0	48,494	32,198	283	318	163,007
Fossil Energy	175,982	0	0	174,977	1,005	0	0	0	0
National Nuclear Security Administration	991,362	800	0	870	0	125	0	80,898	908,669
Defense Programs	966,693	0	0	0	0	0	0	80,527	886,166
Nonproliferation and Verification	24,669	800	0	870	0	125	0	371	22,503
Nuclear Energy	69,414	0	0	0	0	0	0	0	69,414
Office of Science	343,480	0	0	0	0	0	10,070	333,410	0

TABLE 26. Federal obligations for research in engineering, by agency and detailed field: FY 2004

(Dollars in thousands)

Agency	Total	Aeronautical engineering	Astronautical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgy and materials engineering	Engineering, nec
Department of Health and Human Services	862,036	0	0	0	0	0	0	0	862,036
Agency for Healthcare Research and Quality	32	0	0	0	0	0	0	0	32
National Institutes of Health	862,004	0	0	0	0	0	0	0	862,004
Department of Homeland Security	111,267	26,941	0	1,010	1,645	5,377	5,583	1,086	69,625
Science and Technology Directorate	40,440	22,396	0	1,010	1,373	1,095	985	514	13,067
Transportation Security Administration	68,165	4,545	0	0	0	3,031	4,031	0	56,558
U.S. Coast Guard	2,662	0	0	0	272	1,251	567	572	0
Department of Housing and Urban Development	2,894	0	0	0	0	0	0	0	2,894
Department of the Interior	12,788	0	0	2,271	7,467	1,037	433	285	1,295
Bureau of Reclamation	3,151	0	0	867	1,315	306	433	230	0
Geological Survey	4,629	0	0	0	3,898	731	0	0	0
Minerals Management Service	5,008	0	0	1,404	2,254	0	0	55	1,295
Department of Transportation	272,755	0	0	614	137,540	0	1,627	46,727	86,247
Federal Aviation Administration	53,409	0	0	0	8,198	0	0	45,211	0
Federal Highway Administration	188,938	0	0	0	129,342	0	94	696	58,806
Federal Railroad Administration	24,311	0	0	0	0	0	0	0	24,311
National Highway Traffic Safety Administration	4,333	0	0	0	0	0	1,533	0	2,800
Pipeline and Hazardous Materials Safety Administration	1,764	0	0	614	0	0	0	820	330
Department of Veterans Affairs	11,517	0	0	0	0	0	0	0	11,517
Other agencies									
Broadcasting Board of Governors	1,001	0	0	0	0	0	0	0	1,001
Environmental Protection Agency	84,222	0	0	23,842	2,827	264	691	356	56,242
Federal Communications Commission	1,205	0	0	0	0	1,205	0	0	0
National Aeronautics and Space Administration	1,887,397	1,196,046	550,360	3,173	272	25,208	17,217	17,082	78,039
National Science Foundation	652,071	0	0	64,477	58,470	70,658	4,451	139,347	314,668
Nuclear Regulatory Commission	72,094	0	0	0	0	0	0	0	72,094

nec = not elsewhere classified.

NOTES: Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 27. Federal obligations for basic research, by agency and performer: FY 2004

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
All agencies	26,120,663	4,671,644	1,969,407	292,243	13,398,519	2,005,771	2,746,050	606,798	197,936	232,295
Departments										
Department of Agriculture	919,928	626,821	45	0	283,005	0	6,485	0	1,628	1,944
Agricultural Research Service	538,048	485,859	0	0	45,538	0	4,340	0	454	1,857
Cooperative State Research, Education, and Extension Service	251,169	18,757	0	0	229,809	0	1,873	0	730	0
Economic Research Service	7,083	7,083	0	0	0	0	0	0	0	0
Foreign Agricultural Service	448	246	0	0	198	0	4	0	0	0
Forest Service	121,360	113,056	45	0	7,460	0	268	0	444	87
National Agricultural Statistics Service	1,820	1,820	0	0	0	0	0	0	0	0
Department of Commerce	47,917	44,146	638	0	2,917	0	17	0	194	5
National Institute of Standards and Technology	47,024	43,253	638	0	2,917	0	17	0	194	5
U.S. Census Bureau	893	893	0	0	0	0	0	0	0	0
Department of Defense	1,416,189	460,567	129,161	175	726,414	3,499	81,840	1,490	1,629	11,414
Defense agencies and activities	193,097	47,615	25,819	0	99,684	2,166	16,240	1,032	0	541
Chemical and Biological Defense	45,465	36,692	4,747	0	2,628	140	787	150	0	321
Defense Advanced Research Projects Agency	130,177	10,319	21,072	0	80,205	2,026	15,453	882	0	220
Washington Headquarters Services	17,455	604	0	0	16,851	0	0	0	0	0
Department of the Air Force	319,206	54,801	30,483	0	187,069	162	43,772	0	1,614	1,305
Materiel Command	319,206	54,801	30,483	0	187,069	162	43,772	0	1,614	1,305
Department of the Army	442,289	211,006	33,865	100	193,272	0	2,426	58	0	1,562
Department of the Navy	461,597	147,145	38,994	75	246,389	1,171	19,402	400	15	8,006
Department of Education	8,961	431	0	0	7,180	0	1,350	0	0	0
Department of Energy	2,662,577	31,025	78,872	65,103	639,194	1,152,624	103,922	590,108	0	1,729
Bonneville Power Administration	3,393	3,393	0	0	0	0	0	0	0	0
Energy Efficiency and Renewable Energy	22,600	8,832	0	4,114	2,323	2,087	642	4,602	0	0
Fossil Energy	9,615	60	0	0	9,555	0	0	0	0	0
National Nuclear Security Administration	6,791	1	0	130	4,688	1,351	0	621	0	0
Nonproliferation and Verification	6,791	1	0	130	4,688	1,351	0	621	0	0
Office of Science	2,620,178	18,739	78,872	60,859	622,628	1,149,186	103,280	584,885	0	1,729
Department of Health and Human Services	14,766,532	2,726,879	917,434	223,092	8,336,947	43,718	2,254,430	11,935	61,793	190,304
Health Resources and Services Administration	2,054	2,054	0	0	0	0	0	0	0	0
National Institutes of Health	14,764,478	2,724,825	917,434	223,092	8,336,947	43,718	2,254,430	11,935	61,793	190,304
Department of Homeland Security	166,469	129,872	18,887	3,873	719	7,600	4,175	869	26	448

TABLE 27. Federal obligations for basic research, by agency and performer: FY 2004

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
Science and Technology Directorate	85,128	49,779	18,887	3,873	719	7,400	4,175	269	26	0
Transportation Security Administration	81,341	80,093	0	0	0	200	0	600	0	448
Department of the Interior	36,669	34,024	71	0	1,298	0	0	0	1,276	0
Geological Survey	36,669	34,024	71	0	1,298	0	0	0	1,276	0
Department of Justice	14,482	1	3,000	0	9,162	0	2,319	0	0	0
Office of Justice Programs	14,482	1	3,000	0	9,162	0	2,319	0	0	0
Department of Labor	13,700	700	0	0	11,600	0	1,400	0	0	0
Bureau of Labor Statistics	13,700	700	0	0	11,600	0	1,400	0	0	0
Department of Transportation	19,942	4,615	11,197	0	316	0	3,225	0	564	25
Federal Highway Administration	19,942	4,615	11,197	0	316	0	3,225	0	564	25
Department of the Treasury	82	82	0	0	0	0	0	0	0	0
Bureau of Engraving and Printing	82	82	0	0	0	0	0	0	0	0
Department of Veterans Affairs	174,678	174,678	0	0	0	0	0	0	0	0
Other agencies										
Agency for International Development	100	18	0	0	1	0	81	0	0	0
Environmental Protection Agency	113,900	77,691	10,427	0	16,206	0	8,071	0	1,191	314
Library of Congress	2,000	2,000	0	0	0	0	0	0	0	0
National Aeronautics and Space Administration	2,143,486	234,549	747,835	0	410,452	582,679	29,688	0	121,161	17,122
National Science Foundation	3,505,051	15,545	51,840	0	2,953,108	215,651	249,047	2,396	8,474	8,990
Smithsonian Institution	108,000	108,000	0	0	0	0	0	0	0	0

FFRDC = federally funded research and development center.

^a Includes costs associated with administration of intramural and extramural programs by federal personnel and actual intramural performance.

NOTES: Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 28. Preliminary federal obligations for basic research, by agency and performer: FY 2005

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural							Foreign
			United States and U.S. territories							
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
All agencies	26,919,381	4,923,012	2,166,557	299,124	13,559,921	2,108,012	2,756,328	666,354	204,736	235,337
Departments										
Department of Agriculture	1,009,142	643,984	45	0	357,026	0	5,401	0	1,206	1,480
Agricultural Research Service	541,979	490,852	0	0	46,137	0	3,256	0	341	1,393
Cooperative State Research, Education, and Extension Service	323,278	17,753	0	0	303,231	0	1,873	0	421	0
Economic Research Service	7,417	7,417	0	0	0	0	0	0	0	0
Foreign Agricultural Service	448	246	0	0	198	0	4	0	0	0
Forest Service	134,070	125,766	45	0	7,460	0	268	0	444	87
National Agricultural Statistics Service	1,950	1,950	0	0	0	0	0	0	0	0
Department of Commerce	61,249	57,046	900	0	3,286	0	13	0	0	4
National Institute of Standards and Technology	60,471	56,268	900	0	3,286	0	13	0	0	4
U.S. Census Bureau	778	778	0	0	0	0	0	0	0	0
Department of Defense	1,510,246	483,715	168,661	78	754,024	6,341	82,679	1,521	2,153	11,074
Defense agencies and activities	230,724	48,826	32,974	0	124,474	2,816	19,804	1,106	0	724
Chemical and Biological Defense	45,009	34,786	6,549	0	2,525	275	426	0	0	448
Defense Advanced Research Projects Agency	163,245	12,940	26,425	0	100,579	2,541	19,378	1,106	0	276
Washington Headquarters Services	22,470	1,100	0	0	21,370	0	0	0	0	0
Department of the Air Force	350,295	65,579	53,744	0	187,399	2,308	38,468	0	2,137	660
Materiel Command	350,295	65,579	53,744	0	187,399	2,308	38,468	0	2,137	660
Department of the Army	460,250	216,385	41,417	0	196,836	0	4,243	0	0	1,369
Department of the Navy	468,977	152,925	40,526	78	245,315	1,217	20,164	415	16	8,321
Department of Education	9,833	704	0	0	7,441	0	1,688	0	0	0
Department of Energy	2,826,410	140,194	152,445	62,205	574,124	1,223,247	23,797	649,265	0	1,133
Bonneville Power Administration	3,512	3,512	0	0	0	0	0	0	0	0
Energy Efficiency and Renewable Energy	22,844	8,928	0	4,159	2,348	2,110	649	4,650	0	0
Fossil Energy	9,273	60	0	0	9,213	0	0	0	0	0
National Nuclear Security Administration	3,281	328	0	100	1,346	1,085	0	422	0	0
Nonproliferation and Verification	3,281	328	0	100	1,346	1,085	0	422	0	0

TABLE 28. Preliminary federal obligations for basic research, by agency and performer: FY 2005
(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural							Foreign
			United States and U.S. territories							
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
Office of Science	2,787,500	127,366	152,445	57,946	561,217	1,220,052	23,148	644,193	0	1,133
Department of Health and Human Services	15,112,639	2,790,760	938,940	228,321	8,532,376	44,743	2,307,277	12,215	63,242	194,765
Health Resources and Services Administration	2,061	2,061	0	0	0	0	0	0	0	0
National Institutes of Health	15,110,578	2,788,699	938,940	228,321	8,532,376	44,743	2,307,277	12,215	63,242	194,765
Department of Homeland Security	238,549	180,304	29,356	8,520	1,118	11,702	6,490	1,018	41	0
Science and Technology Directorate	132,316	77,371	29,356	6,020	1,118	11,502	6,490	418	41	0
Transportation Security Administration	106,233	102,933	0	2,500	0	200	0	600	0	0
Department of the Interior	35,637	32,251	69	0	1,301	0	0	0	2,016	0
Geological Survey	35,637	32,251	69	0	1,301	0	0	0	2,016	0
Department of Justice	16,936	1	3,835	0	8,000	0	5,100	0	0	0
Office of Justice Programs	16,936	1	3,835	0	8,000	0	5,100	0	0	0
Department of Labor	13,900	800	0	0	13,100	0	0	0	0	0
Bureau of Labor Statistics	13,900	800	0	0	13,100	0	0	0	0	0
Department of Transportation	38,226	4,130	30,494	0	0	0	3,602	0	0	0
Federal Highway Administration	38,226	4,130	30,494	0	0	0	3,602	0	0	0
Department of the Treasury	232	232	0	0	0	0	0	0	0	0
Bureau of Engraving and Printing	232	232	0	0	0	0	0	0	0	0
Department of Veterans Affairs	173,301	173,301	0	0	0	0	0	0	0	0
Other agencies										
Agency for International Development	100	18	0	0	1	0	81	0	0	0
Environmental Protection Agency	66,200	45,148	6,063	0	9,423	0	4,692	0	693	181
National Aeronautics and Space Administration	2,281,888	246,275	785,227	0	420,712	611,813	72,796	0	127,126	17,939
National Science Foundation	3,415,893	15,149	50,522	0	2,877,989	210,166	242,712	2,335	8,259	8,761
Smithsonian Institution	109,000	109,000	0	0	0	0	0	0	0	0

FFRDC = federally funded research and development center.

^a Includes costs associated with administration of intramural and extramural programs by federal personnel and actual intramural performance.

NOTES: Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 29. Preliminary federal obligations for basic research, by agency and performer: FY 2006

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural								
			United States and U.S. territories						Nonprofit FFRDC	State, local governments	Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits				
All agencies	26,938,119	4,915,137	2,204,465	294,954	13,483,504	2,170,210	2,754,677	666,435	209,332	239,405	
Departments											
Department of Agriculture	849,789	606,600	45	0	236,515	0	4,588	0	909	1,132	
Agricultural Research Service	488,092	464,018	0	0	20,332	0	2,442	0	255	1,045	
Cooperative State Research, Education, and Extension Service	227,421	16,812	0	0	208,525	0	1,874	0	210	0	
Economic Research Service	8,075	8,075	0	0	0	0	0	0	0	0	
Foreign Agricultural Service	448	246	0	0	198	0	4	0	0	0	
Forest Service	123,820	115,516	45	0	7,460	0	268	0	444	87	
National Agricultural Statistics Service	1,933	1,933	0	0	0	0	0	0	0	0	
Department of Commerce	74,459	69,444	1,512	0	3,486	0	13	0	0	4	
National Institute of Standards and Technology	73,398	68,383	1,512	0	3,486	0	13	0	0	4	
U.S. Census Bureau	1,061	1,061	0	0	0	0	0	0	0	0	
Department of Defense	1,450,920	507,657	176,207	73	692,921	15,481	44,451	1,355	15	12,760	
Defense agencies and activities	256,779	89,591	33,118	0	109,680	3,723	17,955	964	0	1,748	
Chemical and Biological Defense	95,059	78,128	10,088	0	2,762	1,508	1,066	0	0	1,507	
Defense Advanced Research Projects Agency	142,274	11,278	23,030	0	87,657	2,215	16,889	964	0	241	
Washington Headquarters Services	19,446	185	0	0	19,261	0	0	0	0	0	
Department of the Air Force	343,851	70,265	68,954	0	186,467	10,615	5,679	0	0	1,871	
Materiel Command	343,851	70,265	68,954	0	186,467	10,615	5,679	0	0	1,871	
Department of the Army	398,954	204,123	32,059	0	159,576	0	1,872	0	0	1,324	
Department of the Navy	451,336	143,678	42,076	73	237,198	1,143	18,945	391	15	7,817	
Department of Education	8,869	869	0	0	6,400	0	1,600	0	0	0	
Department of Energy	2,719,589	69,523	127,696	56,131	547,406	1,242,319	25,913	649,377	0	1,224	
Bonneville Power Administration	3,652	3,652	0	0	0	0	0	0	0	0	
Energy Efficiency and Renewable Energy	21,792	8,516	0	3,967	2,240	2,013	619	4,437	0	0	
Fossil Energy	8,765	55	0	0	8,710	0	0	0	0	0	
National Nuclear Security Administration	3,281	328	0	100	1,346	1,085	0	422	0	0	
Nonproliferation and Verification	3,281	328	0	100	1,346	1,085	0	422	0	0	
Office of Science	2,682,099	56,972	127,696	52,064	535,110	1,239,221	25,294	644,518	0	1,224	
Department of Health and Human Services	15,237,089	2,813,561	946,686	230,205	8,602,764	45,112	2,326,311	12,315	63,763	196,372	
Health Resources and Services Administration	1,856	1,856	0	0	0	0	0	0	0	0	
National Institutes of Health	15,235,233	2,811,705	946,686	230,205	8,602,764	45,112	2,326,311	12,315	63,763	196,372	
Department of Homeland Security	267,977	209,499	29,481	8,545	1,123	11,751	6,517	1,020	41	0	

TABLE 29. Preliminary federal obligations for basic research, by agency and performer: FY 2006

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
Science and Technology Directorate	132,879	77,701	29,481	6,045	1,123	11,551	6,517	420	41	0
Transportation Security Administration	135,098	131,798	0	2,500	0	200	0	600	0	0
Department of the Interior	30,105	26,728	69	0	1,292	0	0	0	2,016	0
Geological Survey	30,105	26,728	69	0	1,292	0	0	0	2,016	0
Department of Justice	30,151	1	8,000	0	8,150	0	14,000	0	0	0
Office of Justice Programs	30,151	1	8,000	0	8,150	0	14,000	0	0	0
Department of Labor	14,000	1,000	0	0	13,000	0	0	0	0	0
Bureau of Labor Statistics	14,000	1,000	0	0	13,000	0	0	0	0	0
Department of Transportation	40,574	4,239	32,660	0	0	0	3,675	0	0	0
Federal Highway Administration	40,574	4,239	32,660	0	0	0	3,675	0	0	0
Department of the Treasury	236	236	0	0	0	0	0	0	0	0
Bureau of Engraving and Printing	236	236	0	0	0	0	0	0	0	0
Department of Veterans Affairs	169,274	169,274	0	0	0	0	0	0	0	0
Other agencies										
Agency for International Development	100	18	0	0	1	0	81	0	0	0
Environmental Protection Agency	69,700	47,535	6,383	0	9,921	0	4,941	0	729	191
National Aeronautics and Space Administration	2,395,983	258,590	824,488	0	441,748	642,403	76,435	0	133,483	18,836
National Science Foundation	3,464,304	15,363	51,238	0	2,918,777	213,144	246,152	2,368	8,376	8,886
Smithsonian Institution	115,000	115,000	0	0	0	0	0	0	0	0

FFRDC = federally funded research and development center.

^a Includes costs associated with administration of intramural and extramural programs by federal personnel and actual intramural performance.

NOTES: Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 30. Federal obligations for basic research, by detailed field of science and engineering: FY 2004–06
(Dollars in thousands)

Field	2004	Preliminary	
		2005	2006
All fields	26,120,663	26,919,381	26,938,119
Environmental sciences	2,022,913	2,060,387	2,081,564
Atmospheric sciences	726,804	NA	NA
Geological sciences	481,988	NA	NA
Oceanography	452,587	NA	NA
Environmental sciences, nec	361,534	NA	NA
Life sciences	14,489,970	14,815,523	14,684,686
Agricultural sciences	503,699	NA	NA
Biological sciences (excluding environmental biology)	7,222,801	NA	NA
Environmental biology	329,134	NA	NA
Medical sciences	5,477,224	NA	NA
Life sciences, nec	957,112	NA	NA
Mathematics and computer sciences	1,239,137	1,278,865	1,253,716
Computer sciences	712,183	NA	NA
Mathematics	479,075	NA	NA
Mathematics and computer sciences, nec	47,879	NA	NA
Physical sciences	3,662,564	3,815,808	3,794,152
Astronomy	765,356	NA	NA
Chemistry	775,963	NA	NA
Physics	1,904,521	NA	NA
Physical sciences, nec	216,724	NA	NA
Psychology	979,225	1,014,869	1,027,613
Biological aspects	935	NA	NA
Social aspects	5,041	NA	NA
Psychological sciences, nec	973,249	NA	NA
Social sciences	419,291	429,577	444,632
Anthropology	12,875	NA	NA
Economics	47,992	NA	NA
Political science	6,736	NA	NA
Sociology	48,578	NA	NA
Social sciences, nec	303,110	NA	NA
Other sciences, nec	1,035,852	1,080,289	1,087,351
Engineering	2,271,711	2,424,063	2,564,405
Aeronautical engineering	304,238	NA	NA
Astronautical engineering	67,066	NA	NA
Chemical engineering	68,616	NA	NA
Civil engineering	55,569	NA	NA
Electrical engineering	199,620	NA	NA
Mechanical engineering	89,594	NA	NA
Metallurgy and materials engineering	592,010	NA	NA
Engineering, nec	894,998	NA	NA

NA = not available (data collected for this table were not recorded at that level in that particular fiscal year).

nec = not elsewhere classified.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 31. Federal obligations for basic research, by agency and field of science and engineering: FY 2004

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
All agencies	26,120,663	2,022,913	14,489,970	1,239,137	3,662,564	979,225	419,291	1,035,852	2,271,711
Departments									
Department of Agriculture	919,928	9,033	792,550	4,500	51,399	166	33,844	958	27,478
Agricultural Research Service	538,048	2,368	494,305	699	35,834	0	0	0	4,842
Cooperative State Research, Education, and Extension Service	251,169	3,977	212,077	0	7,323	0	21,657	0	6,135
Economic Research Service	7,083	0	0	0	0	0	7,083	0	0
Foreign Agricultural Service	448	0	448	0	0	0	0	0	0
Forest Service	121,360	2,688	85,720	1,981	8,242	166	5,104	958	16,501
National Agricultural Statistics Service	1,820	0	0	1,820	0	0	0	0	0
Department of Commerce	47,917	391	4,908	536	37,535	54	303	0	4,190
National Institute of Standards and Technology	47,024	391	4,908	0	37,535	0	0	0	4,190
U.S. Census Bureau	893	0	0	536	0	54	303	0	0
Department of Defense	1,416,189	173,480	241,459	207,844	209,908	19,746	33,334	75,168	455,250
Defense agencies and activities	193,097	1,196	70,632	33,068	8,181	0	0	186	79,834
Chemical and Biological Defense	45,465	0	40,210	0	5,255	0	0	0	0
Defense Advanced Research Projects Agency	130,177	0	29,825	32,137	0	0	0	0	68,215
Washington Headquarters Services	17,455	1,196	597	931	2,926	0	0	186	11,619
Department of the Air Force	319,206	0	39,737	49,341	73,859	7,873	0	37,376	111,020
Materiel Command	319,206	0	39,737	49,341	73,859	7,873	0	37,376	111,020
Department of the Army	442,289	16,550	70,669	87,975	60,946	11,873	33,334	37,606	123,336
Department of the Navy	461,597	155,734	60,421	37,460	66,922	0	0	0	141,060
Department of Education	8,961	0	0	0	0	0	8,961	0	0
Department of Energy	2,662,577	241,755	401,904	184,695	1,489,054	0	0	0	345,169
Bonneville Power Administration	3,393	0	3,393	0	0	0	0	0	0
Energy Efficiency and Renewable Energy	22,600	0	5,316	0	17,284	0	0	0	0
Fossil Energy	9,615	0	0	0	9,615	0	0	0	0
National Nuclear Security Administration	6,791	0	0	66	5,036	0	0	0	1,689
Nonproliferation and Verification	6,791	0	0	66	5,036	0	0	0	1,689
Office of Science	2,620,178	241,755	393,195	184,629	1,457,119	0	0	0	343,480
Department of Health and Human Services	14,766,532	270,645	12,079,809	78,617	223,376	936,532	131,852	572,408	473,293
Health Resources and Services Administration	2,054	0	2,054	0	0	0	0	0	0
National Institutes of Health	14,764,478	270,645	12,077,755	78,617	223,376	936,532	131,852	572,408	473,293

TABLE 31. Federal obligations for basic research, by agency and field of science and engineering: FY 2004

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
Department of Homeland Security	166,469	1,138	47,852	9,665	49,614	2,107	3,920	3,753	48,420
Science and Technology Directorate	85,128	1,138	47,852	5,651	10,258	1,257	3,117	3,753	12,102
Transportation Security Administration	81,341	0	0	4,014	39,356	850	803	0	36,318
Department of the Interior	36,669	31,203	5,158	237	22	0	23	0	26
Geological Survey	36,669	31,203	5,158	237	22	0	23	0	26
Department of Justice	14,482	0	0	0	0	0	14,482	0	0
Office of Justice Programs	14,482	0	0	0	0	0	14,482	0	0
Department of Labor	13,700	0	0	0	0	0	13,700	0	0
Bureau of Labor Statistics	13,700	0	0	0	0	0	13,700	0	0
Department of Transportation	19,942	0	0	0	0	0	0	0	19,942
Federal Highway Administration	19,942	0	0	0	0	0	0	0	19,942
Department of the Treasury	82	0	0	0	82	0	0	0	0
Bureau of Engraving and Printing	82	0	0	0	82	0	0	0	0
Department of Veterans Affairs	174,678	0	155,463	0	0	13,975	0	0	5,240
Other agencies									
Agency for International Development	100	0	0	0	0	0	0	100	0
Environmental Protection Agency	113,900	18,952	74,073	4,285	8,274	0	0	3,859	4,457
Library of Congress	2,000	0	0	2,000	0	0	0	0	0
National Aeronautics and Space Administration	2,143,486	608,770	95,093	21,267	843,715	3,774	659	173,657	396,551
National Science Foundation	3,505,051	663,060	548,454	725,491	707,038	2,871	161,393	205,049	491,695
Smithsonian Institution	108,000	4,486	43,247	0	42,547	0	16,820	900	0

nec = not elsewhere classified.

NOTES: Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 32. Preliminary federal obligations for basic research, by agency and field of science and engineering: FY 2005

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
All agencies	26,919,381	2,060,387	14,815,523	1,278,865	3,815,808	1,014,869	429,577	1,080,289	2,424,063
Departments									
Department of Agriculture	1,009,142	9,800	870,014	4,859	55,663	185	36,641	1,067	30,913
Agricultural Research Service	541,979	2,385	497,916	704	36,096	0	0	0	4,878
Cooperative State Research, Education, and Extension Service	323,278	4,423	277,239	0	10,398	0	23,546	0	7,672
Economic Research Service	7,417	0	0	0	0	0	7,417	0	0
Foreign Agricultural Service	448	0	448	0	0	0	0	0	0
Forest Service	134,070	2,992	94,411	2,205	9,169	185	5,678	1,067	18,363
National Agricultural Statistics Service	1,950	0	0	1,950	0	0	0	0	0
Department of Commerce	61,249	461	5,790	966	46,277	47	265	0	7,443
National Institute of Standards and Technology	60,471	461	5,790	500	46,277	0	0	0	7,443
U.S. Census Bureau	778	0	0	466	0	47	265	0	0
Department of Defense	1,510,246	173,165	267,884	225,348	199,732	32,005	35,388	100,479	476,245
Defense agencies and activities	230,724	1,723	78,399	42,520	8,568	139	0	261	99,114
Chemical and Biological Defense	45,009	0	40,303	100	4,606	0	0	0	0
Defense Advanced Research Projects Agency	163,245	0	37,231	40,891	0	0	0	0	85,123
Washington Headquarters Services	22,470	1,723	865	1,529	3,962	139	0	261	13,991
Department of the Air Force	350,295	0	34,746	61,181	57,776	19,563	0	62,395	114,634
Materiel Command	350,295	0	34,746	61,181	57,776	19,563	0	62,395	114,634
Department of the Army	460,250	14,897	91,943	82,716	63,837	12,303	35,388	37,823	121,343
Department of the Navy	468,977	156,545	62,796	38,931	69,551	0	0	0	141,154
Department of Education	9,833	0	0	0	0	0	9,833	0	0
Department of Energy	2,826,410	253,893	356,565	225,193	1,592,000	0	0	0	398,759
Bonneville Power Administration	3,512	0	3,512	0	0	0	0	0	0
Energy Efficiency and Renewable Energy	22,844	0	5,373	0	17,471	0	0	0	0
Fossil Energy	9,273	0	0	0	9,273	0	0	0	0
National Nuclear Security Administration	3,281	0	0	0	1,607	0	0	0	1,674
Nonproliferation and Verification	3,281	0	0	0	1,607	0	0	0	1,674
Office of Science	2,787,500	253,893	347,680	225,193	1,563,649	0	0	0	397,085
Department of Health and Human Services	15,112,639	276,990	12,362,934	80,460	228,613	958,486	134,942	585,826	484,388
Health Resources and Services Administration	2,061	0	2,061	0	0	0	0	0	0
National Institutes of Health	15,110,578	276,990	12,360,873	80,460	228,613	958,486	134,942	585,826	484,388

TABLE 32. Preliminary federal obligations for basic research, by agency and field of science and engineering: FY 2005

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
Department of Homeland Security	238,549	1,769	74,409	10,071	58,192	3,466	6,692	5,833	78,117
Science and Technology Directorate	132,316	1,769	74,379	8,783	15,944	1,953	4,846	5,833	18,809
Transportation Security Administration	106,233	0	30	1,288	42,248	1,513	1,846	0	59,308
Department of the Interior	35,637	30,213	5,124	194	0	0	53	0	53
Geological Survey	35,637	30,213	5,124	194	0	0	53	0	53
Department of Justice	16,936	0	0	0	0	0	16,936	0	0
Office of Justice Programs	16,936	0	0	0	0	0	16,936	0	0
Department of Labor	13,900	0	0	0	0	0	13,900	0	0
Bureau of Labor Statistics	13,900	0	0	0	0	0	13,900	0	0
Department of Transportation	38,226	0	0	0	0	0	0	0	38,226
Federal Highway Administration	38,226	0	0	0	0	0	0	0	38,226
Department of the Treasury	232	0	0	0	232	0	0	0	0
Bureau of Engraving and Printing	232	0	0	0	232	0	0	0	0
Department of Veterans Affairs	173,301	0	154,238	0	0	13,864	0	0	5,199
Other agencies									
Agency for International Development	100	0	0	0	0	0	0	100	0
Environmental Protection Agency	66,200	15,248	40,072	2,098	4,072	0	0	1,333	3,377
National Aeronautics and Space Administration	2,281,888	648,078	101,232	22,639	898,192	4,018	702	184,871	422,156
National Science Foundation	3,415,893	646,195	534,503	707,037	689,054	2,798	157,288	199,831	479,187
Smithsonian Institution	109,000	4,575	42,758	0	43,781	0	16,937	949	0

nec = not elsewhere classified.

NOTES: Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 33. Preliminary federal obligations for basic research, by agency and field of science and engineering: FY 2006

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
All agencies	26,938,119	2,081,564	14,684,686	1,253,716	3,794,152	1,027,613	444,632	1,087,351	2,564,405
Departments									
Department of Agriculture	849,789	8,676	731,251	4,589	48,944	170	28,516	978	26,665
Agricultural Research Service	488,092	2,148	448,410	634	32,507	0	0	0	4,393
Cooperative State Research, Education, and Extension Service	227,421	3,785	194,934	0	8,031	0	15,235	0	5,436
Economic Research Service	8,075	0	0	0	0	0	8,075	0	0
Foreign Agricultural Service	448	0	448	0	0	0	0	0	0
Forest Service	123,820	2,743	87,459	2,022	8,406	170	5,206	978	16,836
National Agricultural Statistics Service	1,933	0	0	1,933	0	0	0	0	0
Department of Commerce	74,459	476	10,585	1,902	48,147	64	361	0	12,924
National Institute of Standards and Technology	73,398	476	10,585	1,266	48,147	0	0	0	12,924
U.S. Census Bureau	1,061	0	0	636	0	64	361	0	0
Department of Defense	1,450,920	168,566	259,943	211,453	196,838	36,423	39,581	89,308	448,808
Defense agencies and activities	256,779	2,151	114,465	37,890	18,540	572	0	184	82,977
Chemical and Biological Defense	95,059	0	80,704	0	14,355	0	0	0	0
Defense Advanced Research Projects Agency	142,274	0	32,448	35,638	0	0	0	0	74,188
Washington Headquarters Services	19,446	2,151	1,313	2,252	4,185	572	0	184	8,789
Department of the Air Force	343,851	0	34,739	56,755	60,266	23,515	0	45,644	122,932
Materiel Command	343,851	0	34,739	56,755	60,266	23,515	0	45,644	122,932
Department of the Army	398,954	14,637	51,741	80,230	52,687	12,336	39,581	43,480	104,262
Department of the Navy	451,336	151,778	58,998	36,578	65,345	0	0	0	138,637
Department of Education	8,869	0	0	0	0	0	8,869	0	0
Department of Energy	2,719,589	243,718	247,094	201,055	1,514,844	0	0	0	512,878
Bonneville Power Administration	3,652	0	3,652	0	0	0	0	0	0
Energy Efficiency and Renewable Energy	21,792	0	5,126	0	16,666	0	0	0	0
Fossil Energy	8,765	0	0	0	8,765	0	0	0	0
National Nuclear Security Administration	3,281	0	0	0	1,607	0	0	0	1,674
Nonproliferation and Verification	3,281	0	0	0	1,607	0	0	0	1,674
Office of Science	2,682,099	243,718	238,316	201,055	1,487,806	0	0	0	511,204
Department of Health and Human Services	15,237,089	279,275	12,464,699	81,124	230,499	966,393	136,056	590,659	488,384
Health Resources and Services Administration	1,856	0	1,856	0	0	0	0	0	0
National Institutes of Health	15,235,233	279,275	12,462,843	81,124	230,499	966,393	136,056	590,659	488,384

TABLE 33. Preliminary federal obligations for basic research, by agency and field of science and engineering: FY 2006

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
Department of Homeland Security	267,977	1,777	74,734	10,526	64,220	3,965	8,649	5,858	98,248
Science and Technology Directorate	132,879	1,777	74,695	8,820	16,012	1,961	4,867	5,858	18,889
Transportation Security Administration	135,098	0	39	1,706	48,208	2,004	3,782	0	79,359
Department of the Interior	30,105	24,666	5,139	194	0	0	53	0	53
Geological Survey	30,105	24,666	5,139	194	0	0	53	0	53
Department of Justice	30,151	0	0	0	0	0	30,151	0	0
Office of Justice Programs	30,151	0	0	0	0	0	30,151	0	0
Department of Labor	14,000	0	0	0	0	0	14,000	0	0
Bureau of Labor Statistics	14,000	0	0	0	0	0	14,000	0	0
Department of Transportation	40,574	0	0	0	0	0	0	0	40,574
Federal Highway Administration	40,574	0	0	0	0	0	0	0	40,574
Department of the Treasury	236	0	0	0	236	0	0	0	0
Bureau of Engraving and Printing	236	0	0	0	236	0	0	0	0
Department of Veterans Affairs	169,274	0	150,654	0	0	13,542	0	0	5,078
Other agencies									
Agency for International Development	100	0	0	0	0	0	0	100	0
Environmental Protection Agency	69,700	13,747	47,292	2,045	2,538	0	0	2,526	1,552
National Aeronautics and Space Administration	2,395,983	680,481	106,294	23,771	943,103	4,219	737	194,115	443,263
National Science Foundation	3,464,304	655,353	542,078	717,057	698,819	2,837	159,517	202,665	485,978
Smithsonian Institution	115,000	4,829	44,923	0	45,964	0	18,142	1,142	0

nec = not elsewhere classified.

NOTES: Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 34. Federal obligations for basic research in environmental and physical sciences, by agency and detailed field: FY 2004

(Dollars in thousands)

Agency	Environmental sciences					Physical sciences				
	Total	Atmospheric sciences	Geological sciences	Oceanography	Environmental sciences, nec	Total	Astronomy	Chemistry	Physics	Physical sciences, nec
All agencies	2,022,913	726,804	481,988	452,587	361,534	3,662,564	765,356	775,963	1,904,521	216,724
Departments										
Department of Agriculture	9,033	8,577	456	0	0	51,399	0	48,444	2,955	0
Agricultural Research Service	2,368	2,314	54	0	0	35,834	0	34,166	1,668	0
Cooperative State Research, Education, and Extension Service	3,977	3,977	0	0	0	7,323	0	7,323	0	0
Forest Service	2,688	2,286	402	0	0	8,242	0	6,955	1,287	0
Department of Commerce	391	0	391	0	0	37,535	0	9,817	27,422	296
National Institute of Standards and Technology	391	0	391	0	0	37,535	0	9,817	27,422	296
Department of Defense	173,480	16,938	8,169	146,907	1,466	209,908	0	84,009	73,090	52,809
Defense agencies and activities	1,196	0	0	1,196	0	8,181	0	3,918	2,030	2,233
Chemical and Biological Defense	0	0	0	0	0	5,255	0	3,022	0	2,233
Washington Headquarters Services	1,196	0	0	1,196	0	2,926	0	896	2,030	0
Department of the Air Force	0	0	0	0	0	73,859	0	28,899	16,389	28,571
Materiel Command	0	0	0	0	0	73,859	0	28,899	16,389	28,571
Department of the Army	16,550	6,915	8,169	0	1,466	60,946	0	18,528	32,051	10,367
Department of the Navy	155,734	10,023	0	145,711	0	66,922	0	32,664	22,620	11,638
Department of Energy	241,755	111,393	123,963	6,399	0	1,489,054	0	172,243	1,313,574	3,237
Energy Efficiency and Renewable Energy	0	0	0	0	0	17,284	0	17,284	0	0
Fossil Energy	0	0	0	0	0	9,615	0	9,615	0	0
National Nuclear Security Administration	0	0	0	0	0	5,036	0	0	1,799	3,237
Nonproliferation and Verification	0	0	0	0	0	5,036	0	0	1,799	3,237
Office of Science	241,755	111,393	123,963	6,399	0	1,457,119	0	145,344	1,311,775	0
Department of Health and Human Services	270,645	0	0	0	270,645	223,376	0	212,008	0	11,368
National Institutes of Health	270,645	0	0	0	270,645	223,376	0	212,008	0	11,368
Department of Homeland Security	1,138	362	361	0	415	49,614	0	28,191	21,346	77
Science and Technology Directorate	1,138	362	361	0	415	10,258	0	7,659	2,522	77
Transportation Security Administration	0	0	0	0	0	39,356	0	20,532	18,824	0
Department of the Interior	31,203	0	31,181	0	22	22	0	0	0	22
Geological Survey	31,203	0	31,181	0	22	22	0	0	0	22
Department of the Treasury	0	0	0	0	0	82	0	5	0	77
Bureau of Engraving and Printing	0	0	0	0	0	82	0	5	0	77

TABLE 34. Federal obligations for basic research in environmental and physical sciences, by agency and detailed field: FY 2004

(Dollars in thousands)

Agency	Environmental sciences					Physical sciences				
	Total	Atmospheric sciences	Geological sciences	Oceanography	Environmental sciences, nec	Total	Astronomy	Chemistry	Physics	Physical sciences, nec
Other agencies										
Environmental Protection Agency	18,952	0	1,206	10,305	7,441	8,274	0	5,222	610	2,442
National Aeronautics and Space Administration	608,770	372,962	151,328	36,014	48,466	843,715	523,589	37,962	244,221	37,943
National Science Foundation	663,060	216,474	160,838	252,669	33,079	707,038	202,087	177,284	219,214	108,453
Smithsonian Institution	4,486	98	4,095	293	0	42,547	39,680	778	2,089	0

nec = not elsewhere classified.

NOTES: Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 35. Federal obligations for basic research in life sciences and psychology, by agency and detailed field: FY 2004

(Dollars in thousands)

Agency	Life sciences						Psychology			
	Total	Agricultural sciences	Biological sciences ^a	Environmental biology	Medical sciences	Life sciences, nec	Total	Biological aspects	Social aspects	Psychological sciences, nec
All agencies	14,489,970	503,699	7,222,801	329,134	5,477,224	957,112	979,225	935	5,041	973,249
Departments										
Department of Agriculture	792,550	500,541	111,739	162,146	18,124	0	166	0	166	0
Agricultural Research Service	494,305	384,005	34,435	67,095	8,770	0	0	0	0	0
Cooperative State Research, Education, and Extension Service	212,077	114,266	53,503	41,336	2,972	0	0	0	0	0
Foreign Agricultural Service	448	448	0	0	0	0	0	0	0	0
Forest Service	85,720	1,822	23,801	53,715	6,382	0	166	0	166	0
Department of Commerce	4,908	0	4,908	0	0	0	54	0	0	54
National Institute of Standards and Technology	4,908	0	4,908	0	0	0	0	0	0	0
U.S. Census Bureau	0	0	0	0	0	0	54	0	0	54
Department of Defense	241,459	460	95,011	20,555	80,811	44,622	19,746	425	0	19,321
Defense agencies and activities	70,632	0	32,847	597	37,188	0	0	0	0	0
Chemical and Biological Defense	40,210	0	3,022	0	37,188	0	0	0	0	0
Defense Advanced Research Projects Agency	29,825	0	29,825	0	0	0	0	0	0	0
Washington Headquarters Services	597	0	0	597	0	0	0	0	0	0
Department of the Air Force	39,737	0	17,956	10,386	0	11,395	7,873	425	0	7,448
Materiel Command	39,737	0	17,956	10,386	0	11,395	7,873	425	0	7,448
Department of the Army	70,669	460	34,773	154	33,130	2,152	11,873	0	0	11,873
Department of the Navy	60,421	0	9,435	9,418	10,493	31,075	0	0	0	0
Department of Energy	401,904	0	223,080	0	173,149	5,675	0	0	0	0
Bonneville Power Administration	3,393	0	3,393	0	0	0	0	0	0	0
Energy Efficiency and Renewable Energy	5,316	0	5,316	0	0	0	0	0	0	0
Office of Science	393,195	0	214,371	0	173,149	5,675	0	0	0	0
Department of Health and Human Services	12,079,809	0	6,153,958	0	5,035,691	890,160	936,532	0	0	936,532
Health Resources and Services Administration	2,054	0	0	0	2,054	0	0	0	0	0
National Institutes of Health	12,077,755	0	6,153,958	0	5,033,637	890,160	936,532	0	0	936,532
Department of Homeland Security	47,852	2,113	43,851	723	905	260	2,107	294	1,578	235
Science and Technology Directorate	47,852	2,113	43,851	723	905	260	1,257	294	746	217
Transportation Security Administration	0	0	0	0	0	0	850	0	832	18
Department of the Interior	5,158	0	2,734	2,424	0	0	0	0	0	0
Geological Survey	5,158	0	2,734	2,424	0	0	0	0	0	0
Department of Veterans Affairs	155,463	0	0	0	155,463	0	13,975	0	0	13,975

TABLE 35. Federal obligations for basic research in life sciences and psychology, by agency and detailed field: FY 2004

(Dollars in thousands)

Agency	Life sciences					Psychology				
	Total	Agricultural sciences	Biological sciences ^a	Environmental biology	Medical sciences	Life sciences, nec	Total	Biological aspects	Social aspects	Psychological sciences, nec
Other agencies										
Environmental Protection Agency	74,073	0	55,467	17,769	141	696	0	0	0	0
National Aeronautics and Space Administration	95,093	585	61,142	4,727	12,940	15,699	3,774	216	426	3,132
National Science Foundation	548,454	0	450,073	98,381	0	0	2,871	0	2,871	0
Smithsonian Institution	43,247	0	20,838	22,409	0	0	0	0	0	0

nec = not elsewhere classified.

^a Excluding environmental biology.

NOTES: Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 36. Federal obligations for basic research in mathematics and computer sciences and in social sciences, by agency and detailed field: FY 2004
(Dollars in thousands)

Agency	Mathematics and computer sciences				Social sciences					
	Total	Computer sciences	Mathematics	Mathematics and computer sciences, nec	Total	Anthropology	Economics	Political science	Sociology	Social sciences, nec
All agencies	1,239,137	712,183	479,075	47,879	419,291	12,875	47,992	6,736	48,578	303,110
Departments										
Department of Agriculture	4,500	0	4,500	0	33,844	151	28,044	0	5,649	0
Agricultural Research Service	699	0	699	0	0	0	0	0	0	0
Cooperative State Research, Education, and Extension Service	0	0	0	0	21,657	0	16,533	0	5,124	0
Economic Research Service	0	0	0	0	7,083	0	7,083	0	0	0
Forest Service	1,981	0	1,981	0	5,104	151	4,428	0	525	0
National Agricultural Statistics Service	1,820	0	1,820	0	0	0	0	0	0	0
Department of Commerce	536	197	339	0	303	71	0	0	0	232
U.S. Census Bureau	536	197	339	0	303	71	0	0	0	232
Department of Defense	207,844	118,189	50,747	38,908	33,334	0	0	0	33,180	154
Defense agencies and activities	33,068	25,947	6,609	512	0	0	0	0	0	0
Defense Advanced Research Projects Agency	32,137	25,947	6,190	0	0	0	0	0	0	0
Washington Headquarters Services	931	0	419	512	0	0	0	0	0	0
Department of the Air Force	49,341	8,870	11,933	28,538	0	0	0	0	0	0
Materiel Command	49,341	8,870	11,933	28,538	0	0	0	0	0	0
Department of the Army	87,975	59,607	18,820	9,548	33,334	0	0	0	33,180	154
Department of the Navy	37,460	23,765	13,385	310	0	0	0	0	0	0
Department of Education	0	0	0	0	8,961	0	0	0	0	8,961
Department of Energy	184,695	38,738	145,891	66	0	0	0	0	0	0
National Nuclear Security Administration	66	0	0	66	0	0	0	0	0	0
Nonproliferation and Verification	66	0	0	66	0	0	0	0	0	0
Office of Science	184,629	38,738	145,891	0	0	0	0	0	0	0
Department of Health and Human Services	78,617	0	78,617	0	131,852	0	0	0	0	131,852
National Institutes of Health	78,617	0	78,617	0	131,852	0	0	0	0	131,852
Department of Homeland Security	9,665	4,376	2,490	2,799	3,920	77	2,145	755	465	478
Science and Technology Directorate	5,651	3,319	1,433	899	3,117	77	1,342	755	465	478
Transportation Security Administration	4,014	1,057	1,057	1,900	803	0	803	0	0	0
Department of the Interior	237	215	22	0	23	0	0	0	22	1
Geological Survey	237	215	22	0	23	0	0	0	22	1

TABLE 36. Federal obligations for basic research in mathematics and computer sciences and in social sciences, by agency and detailed field: FY 2004
(Dollars in thousands)

Agency	Mathematics and computer sciences				Social sciences					
	Total	Computer sciences	Mathematics	Mathematics and computer sciences, nec	Total	Anthropology	Economics	Political science	Sociology	Social sciences, nec
Department of Justice	0	0	0	0	14,482	0	0	0	4,235	10,247
Office of Justice Programs	0	0	0	0	14,482	0	0	0	4,235	10,247
Department of Labor	0	0	0	0	13,700	0	0	0	0	13,700
Bureau of Labor Statistics	0	0	0	0	13,700	0	0	0	0	13,700
Other agencies										
Environmental Protection Agency	4,285	303	2,229	1,753	0	0	0	0	0	0
Library of Congress	2,000	2,000	0	0	0	0	0	0	0	0
National Aeronautics and Space Administration	21,267	15,833	1,081	4,353	659	0	0	0	238	421
National Science Foundation	725,491	532,332	193,159	0	161,393	9,856	17,803	5,981	4,409	123,344
Smithsonian Institution	0	0	0	0	16,820	2,720	0	0	380	13,720

nec = not elsewhere classified.

NOTES: Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 37. Federal obligations for basic research in engineering, by agency and detailed field: FY 2004

(Dollars in thousands)

Agency	Total	Aeronautical engineering	Astronautical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgy and materials engineering	Engineering, nec
All agencies	2,271,711	304,238	67,066	68,616	55,569	199,620	89,594	592,010	894,998
Departments									
Department of Agriculture	27,478	0	0	4,767	1,972	456	1,488	0	18,795
Agricultural Research Service	4,842	0	0	2,421	753	431	538	0	699
Cooperative State Research, Education, and Extension Service	6,135	0	0	0	0	0	0	0	6,135
Forest Service	16,501	0	0	2,346	1,219	25	950	0	11,961
Department of Commerce	4,190	0	0	80	0	588	0	2,717	805
National Institute of Standards and Technology	4,190	0	0	80	0	588	0	2,717	805
Department of Defense	455,250	45,641	6,953	7,286	3,108	128,243	62,901	103,166	97,952
Defense agencies and activities	79,834	0	0	544	0	25,659	2,172	30,990	20,469
Defense Advanced Research Projects Agency	68,215	0	0	0	0	16,756	0	30,990	20,469
Washington Headquarters Services	11,619	0	0	544	0	8,903	2,172	0	0
Department of the Air Force	111,020	29,682	6,953	2,946	0	8,327	7,696	7,151	48,265
Materiel Command	111,020	29,682	6,953	2,946	0	8,327	7,696	7,151	48,265
Department of the Army	123,336	11,893	0	3,796	3,108	44,055	26,962	31,484	2,038
Department of the Navy	141,060	4,066	0	0	0	50,202	26,071	33,541	27,180
Department of Energy	345,169	0	0	439	0	0	10,070	333,410	1,250
National Nuclear Security Administration	1,689	0	0	439	0	0	0	0	1,250
Nonproliferation and Verification	1,689	0	0	439	0	0	0	0	1,250
Office of Science	343,480	0	0	0	0	0	10,070	333,410	0
Department of Health and Human Services	473,293	0	0	0	0	0	0	0	473,293
National Institutes of Health	473,293	0	0	0	0	0	0	0	473,293
Department of Homeland Security	48,420	7,382	0	302	411	1,920	2,887	154	35,364
Science and Technology Directorate	12,102	6,702	0	302	411	328	295	154	3,910
Transportation Security Administration	36,318	680	0	0	0	1,592	2,592	0	31,454
Department of the Interior	26	0	0	0	22	4	0	0	0
Geological Survey	26	0	0	0	22	4	0	0	0
Department of Transportation	19,942	0	0	0	2,426	0	0	0	17,516
Federal Highway Administration	19,942	0	0	0	2,426	0	0	0	17,516
Department of Veterans Affairs	5,240	0	0	0	0	0	0	0	5,240

TABLE 37. Federal obligations for basic research in engineering, by agency and detailed field: FY 2004

(Dollars in thousands)

Agency	Total	Aeronautical engineering	Astronautical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgy and materials engineering	Engineering, nec
All agencies	2,271,711	304,238	67,066	68,616	55,569	199,620	89,594	592,010	894,998
Other agencies									
Environmental Protection Agency	4,457	0	0	1,010	0	0	0	0	3,447
National Aeronautics and Space Administration	396,551	251,215	60,113	2,765	246	12,145	8,484	14,037	47,546
National Science Foundation	491,695	0	0	51,967	47,384	56,264	3,764	138,526	193,790

nec = not elsewhere classified.

NOTES: Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 38. Federal obligations for applied research, by agency and performer: FY 2004

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
All agencies	27,237,148	7,413,569	4,813,325	839,344	9,300,617	1,681,569	2,470,319	188,709	334,987	194,709
Departments										
Department of Agriculture	998,898	610,963	16,319	0	354,818	0	13,375	0	1,600	1,823
Agricultural Marketing Service	7,942	7,667	0	0	215	0	60	0	0	0
Agricultural Research Service	450,203	406,535	0	0	38,103	0	3,632	0	380	1,553
Cooperative State Research, Education, and Extension Service	334,548	21,519	15,056	0	292,484	0	4,671	0	818	0
Economic Research Service	63,747	56,981	519	0	5,112	0	1,091	0	0	44
Foreign Agricultural Service	1,152	633	0	0	509	0	10	0	0	0
Forest Service	133,200	112,582	744	0	17,955	0	1,291	0	402	226
National Agricultural Statistics Service	4,320	3,846	0	0	334	0	140	0	0	0
Rural Business-Cooperative Service	3,786	1,200	0	0	106	0	2,480	0	0	0
Department of Commerce	840,014	530,521	92,072	0	193,619	1,660	12,609	0	9,088	445
Economic Development Administration	210	25	0	0	87	0	98	0	0	0
National Institute of Standards and Technology	312,627	215,354	85,187	0	9,747	0	2,265	0	0	74
National Oceanic and Atmospheric Administration	519,942	307,907	6,885	0	183,785	1,660	10,246	0	9,088	371
National Telecommunications and Information Administration	6,342	6,342	0	0	0	0	0	0	0	0
U.S. Census Bureau	893	893	0	0	0	0	0	0	0	0
Department of Defense	4,281,737	1,453,765	1,959,717	19,101	555,220	93,036	128,221	47,801	657	24,219
Defense agencies and activities	1,685,488	368,826	825,626	17,808	286,031	79,303	77,521	13,364	0	17,009
Chemical and Biological Defense	192,847	145,219	31,133	0	7,474	2,721	3,157	279	0	2,864
Defense Advanced Research Projects Agency	1,090,076	115,458	598,765	14,060	235,571	31,796	72,587	10,457	0	11,382
Defense Logistics Agency	8,553	7,928	0	0	0	0	0	625	0	0
Defense Threat Reduction Agency	298,163	87,990	182,416	3,748	5,686	14,143	458	959	0	2,763
Special Operations Command	14,898	2,002	12,812	0	84	0	0	0	0	0
Washington Headquarters Services	80,951	10,229	500	0	37,216	30,643	1,319	1,044	0	0
Department of the Air Force	891,313	428,475	426,780	140	20,501	2,582	10,780	1,098	63	894
Materiel Command	891,313	428,475	426,780	140	20,501	2,582	10,780	1,098	63	894
Department of the Army	1,028,843	458,154	419,894	1,153	96,241	1,824	18,996	30,705	7	1,869
Department of the Navy	676,093	198,310	287,417	0	152,447	9,327	20,924	2,634	587	4,447
Department of Education	201,885	10,253	7,561	0	141,047	0	42,088	0	936	0

TABLE 38. Federal obligations for applied research, by agency and performer: FY 2004

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural								
			United States and U.S. territories						Nonprofit FFRDC	State, local governments	Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits				
Department of Energy	2,835,440	220,222	267,414	604,692	157,938	1,448,730	30,653	105,791	0	0	
Bonneville Power Administration	11,962	11,807	0	0	0	0	0	155	0	0	
Civilian Radioactive Waste Management	78,880	4,823	0	21,174	0	51,529	0	1,354	0	0	
Energy Efficiency and Renewable Energy	244,300	95,455	0	24,131	25,102	22,575	6,941	70,096	0	0	
Environmental Management	12,836	1	0	2,291	10,320	109	0	115	0	0	
Fossil Energy	221,555	32,214	127,689	5,116	39,173	5,521	6,773	5,069	0	0	
National Nuclear Security Administration	2,193,603	75,920	130,800	526,525	74,598	1,351,402	16,889	17,469	0	0	
Defense Programs	2,105,828	75,754	126,828	500,674	62,386	1,323,297	16,889	0	0	0	
Nonproliferation and Verification	87,775	166	3,972	25,851	12,212	28,105	0	17,469	0	0	
Nuclear Energy	69,414	1	8,925	25,455	8,745	16,889	50	9,349	0	0	
Office of Science	2,890	1	0	0	0	705	0	2,184	0	0	
Department of Health and Human Services	13,224,710	2,596,316	900,916	183,224	7,273,927	35,905	1,968,919	9,802	97,417	158,284	
Administration for Children and Families	20,135	992	0	0	17,014	0	1,341	0	788	0	
Administration on Aging	3,018	74	0	0	0	0	2,944	0	0	0	
Agency for Healthcare Research and Quality	279,389	54,228	82,735	0	72,450	0	63,554	0	5,346	1,076	
Agency for Toxic Substances and Disease Registry	10,657	3,151	674	0	4,101	0	1,174	0	1,457	100	
Centers for Disease Control and Prevention	539,759	190,529	33,393	0	297,744	0	15,546	0	2,032	515	
Centers for Medicare and Medicaid Services	77,601	20	19,831	0	4,374	0	16,332	0	37,044	0	
Food and Drug Administration	132,298	99,521	5,417	0	17,241	0	9,821	0	0	298	
Health Resources and Services Administration	14,864	658	0	0	10,748	0	3,458	0	0	0	
National Institutes of Health	12,125,928	2,237,874	753,480	183,224	6,847,056	35,905	1,851,542	9,802	50,750	156,295	
Office of the Secretary	21,061	9,269	5,386	0	3,199	0	3,207	0	0	0	
Office of the Assistant Secretary, Planning and Evaluation	21,061	9,269	5,386	0	3,199	0	3,207	0	0	0	
Department of Homeland Security	246,937	160,618	45,253	11,570	1,696	17,331	9,778	630	61	0	
Science and Technology Directorate	199,361	116,575	44,231	9,070	1,685	17,331	9,778	630	61	0	
Transportation Security Administration	41,507	39,007	0	2,500	0	0	0	0	0	0	
U.S. Coast Guard	5,102	4,149	942	0	11	0	0	0	0	0	
U.S. Secret Service	967	887	80	0	0	0	0	0	0	0	
Department of Housing and Urban Development	17,474	10,370	2,878	0	1,931	0	2,254	0	41	0	
Department of the Interior	509,905	432,736	12,509	0	52,293	0	2,276	0	7,532	2,559	
Bureau of Reclamation	3,823	1,095	2,164	0	445	0	0	0	104	15	
Geological Survey	467,386	423,397	3,088	0	33,945	0	0	0	6,956	0	
Minerals Management Service	27,212	6,303	6,267	0	10,279	0	1,775	0	62	2,526	
National Park Service ^b	11,484	1,941	990	0	7,624	0	501	0	410	18	

TABLE 38. Federal obligations for applied research, by agency and performer: FY 2004

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
Department of Justice	32,587	7,139	2,941	0	9,492	0	7,826	2,875	2,314	0
Bureau of Prisons	5,014	2,700	0	0	0	0	0	0	2,314	0
Office of Justice Programs	27,573	4,439	2,941	0	9,492	0	7,826	2,875	0	0
Department of Labor	23,783	21,126	1,495	0	174	0	988	0	0	0
Bureau of Labor Statistics	8,700	7,700	1,000	0	0	0	0	0	0	0
Employee Benefits Security Administration	2,530	944	492	0	174	0	920	0	0	0
Employment and Training Administration	9,000	9,000	0	0	0	0	0	0	0	0
Occupational Safety and Health Administration	3,361	3,361	0	0	0	0	0	0	0	0
Office of the Secretary	121	50	3	0	0	0	68	0	0	0
Pension Benefit Guaranty Corporation	71	71	0	0	0	0	0	0	0	0
Department of State	2,987	675	2,312	0	0	0	0	0	0	0
Department of Transportation	340,254	95,770	69,449	4,621	35,968	11,333	14,272	490	108,152	199
Federal Aviation Administration	118,308	52,023	27,648	4,621	22,801	11,215	0	0	0	0
Federal Highway Administration	181,937	24,612	25,965	0	9,630	118	12,970	490	108,152	0
Federal Motor Carrier Safety Administration	6,368	1,519	1,496	0	2,244	0	1,109	0	0	0
Federal Railroad Administration	24,311	14,177	8,642	0	1,293	0	0	0	0	199
Federal Transit Administration	40	40	0	0	0	0	0	0	0	0
National Highway Traffic Safety Administration	6,666	1,519	5,147	0	0	0	0	0	0	0
Pipeline and Hazardous Materials Safety Administration	2,624	1,880	551	0	0	0	193	0	0	0
Department of the Treasury	61,176	53,872	6,866	0	3	0	0	435	0	0
Bureau of Engraving and Printing	3,869	3,869	0	0	0	0	0	0	0	0
Internal Revenue Service	57,307	50,003	6,866	0	3	0	0	435	0	0
Department of Veterans Affairs	209,231	209,231	0	0	0	0	0	0	0	0
Other agencies										
Agency for International Development	241,307	29,600	13,500	0	29,500	0	168,707	0	0	0
Appalachian Regional Commission	622	54	388	0	100	0	80	0	0	0
Broadcasting Board of Governors	1,001	1,001	0	0	0	0	0	0	0	0
Environmental Protection Agency	422,902	288,460	38,716	0	60,171	0	29,967	0	4,421	1,167
Federal Communications Commission	4,141	4,141	0	0	0	0	0	0	0	0
Federal Trade Commission	1,618	1,618	0	0	0	0	0	0	0	0
Library of Congress	14,400	14,400	0	0	0	0	0	0	0	0
National Aeronautics and Space Administration	2,355,936	638,373	1,280,920	0	250,769	62,321	23,535	0	99,367	651
National Archives and Records Administration	120	120	0	0	0	0	0	0	0	0

TABLE 38. Federal obligations for applied research, by agency and performer: FY 2004

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
National Science Foundation	265,618	128	79,324	0	169,207	5	10,040	4,369	1	2,544
Nuclear Regulatory Commission	72,094	15,235	4,508	16,136	4,239	11,248	1,528	16,516	0	2,684
Social Security Administration	30,371	6,862	8,267	0	8,505	0	3,203	0	3,400	134

FFRDC = federally funded research and development center.

^a Includes costs associated with administration of intramural and extramural programs by federal personnel and actual intramural performance.

^b Obligations for FY 2004–06 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 C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 39. Preliminary federal obligations for applied research, by agency and performer: FY 2005

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
All agencies	28,626,913	7,887,423	5,252,104	823,494	9,684,975	1,659,352	2,573,613	198,933	344,893	202,126
Departments										
Department of Agriculture	1,110,922	631,307	16,546	0	448,265	0	12,177	0	1,196	1,431
Agricultural Marketing Service	7,910	7,910	0	0	0	0	0	0	0	0
Agricultural Research Service	453,493	410,715	0	0	38,604	0	2,724	0	285	1,165
Cooperative State Research, Education, and Extension Service	426,584	20,171	15,302	0	385,930	0	4,672	0	509	0
Economic Research Service	66,753	60,280	500	0	4,933	0	1,000	0	0	40
Foreign Agricultural Service	1,152	633	0	0	509	0	10	0	0	0
Forest Service	147,150	126,532	744	0	17,955	0	1,291	0	402	226
National Agricultural Statistics Service	4,200	3,866	0	0	334	0	0	0	0	0
Rural Business-Cooperative Service	3,680	1,200	0	0	0	0	2,480	0	0	0
Department of Commerce	857,697	585,280	72,247	0	174,755	3,043	15,384	0	6,926	62
Economic Development Administration	488	25	0	0	0	0	463	0	0	0
National Institute of Standards and Technology	314,875	242,273	62,559	0	8,342	0	1,639	0	0	62
National Oceanic and Atmospheric Administration	535,223	335,871	9,688	0	166,413	3,043	13,282	0	6,926	0
National Telecommunications and Information Administration	6,333	6,333	0	0	0	0	0	0	0	0
U.S. Census Bureau	778	778	0	0	0	0	0	0	0	0
Department of Defense	4,976,135	1,613,138	2,252,675	24,138	761,671	89,071	150,693	53,555	825	30,369
Defense agencies and activities	2,007,921	353,162	1,071,690	24,001	353,762	73,302	93,757	17,635	0	20,612
Chemical and Biological Defense	185,684	123,711	29,138	3,865	17,753	3,693	3,133	542	0	3,849
Defense Advanced Research Projects Agency	1,360,125	144,061	747,099	17,543	293,930	39,673	90,569	13,048	0	14,202
Defense Logistics Agency	8,548	6,048	0	0	0	0	0	2,500	0	0
Defense Threat Reduction Agency	353,335	62,914	272,842	2,593	2,996	7,884	0	1,545	0	2,561
Special Operations Command	26,583	3,572	22,611	0	400	0	0	0	0	0
Washington Headquarters Services	73,646	12,856	0	0	38,683	22,052	55	0	0	0
Department of the Air Force	887,713	441,840	410,099	137	20,797	2,107	11,248	1,173	71	241
Materiel Command	887,713	441,840	410,099	137	20,797	2,107	11,248	1,173	71	241
Department of the Army	1,233,440	563,277	423,333	0	191,194	1,675	18,797	31,362	0	3,802
Department of the Navy	847,061	254,859	347,553	0	195,918	11,987	26,891	3,385	754	5,714
Department of Education	185,187	11,976	8,004	0	123,625	0	41,082	0	500	0

TABLE 39. Preliminary federal obligations for applied research, by agency and performer: FY 2005

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural							Foreign
			United States and U.S. territories						State, local governments	
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC		
Department of Energy	2,873,991	320,012	253,721	583,934	157,935	1,415,564	31,261	111,564	0	0
Bonneville Power Administration	12,221	12,059	0	0	0	0	0	162	0	0
Civilian Radioactive Waste Management	62,659	4,888	14,378	14,014	0	27,710	0	1,669	0	0
Energy Efficiency and Renewable Energy	250,376	97,829	0	24,731	25,727	23,137	7,114	71,838	0	0
Environmental Management	16,268	1	2,928	13,013	163	163	0	0	0	0
Fossil Energy	206,682	31,651	114,301	5,200	38,700	5,200	6,650	4,980	0	0
National Nuclear Security Administration	2,245,366	173,583	115,626	496,716	80,327	1,341,720	17,497	19,897	0	0
Defense Programs	2,164,118	168,366	112,452	478,427	72,648	1,314,728	17,497	0	0	0
Nonproliferation and Verification	81,248	5,217	3,174	18,289	7,679	26,992	0	19,897	0	0
Nuclear Energy	80,419	1	6,488	30,260	13,018	17,634	0	13,018	0	0
Department of Health and Human Services	13,450,295	2,647,533	920,625	187,006	7,376,843	40,104	2,007,440	10,004	98,932	161,808
Administration for Children and Families	20,558	1,013	0	0	17,371	0	1,369	0	805	0
Administration on Aging	3,010	73	0	0	0	0	2,937	0	0	0
Agency for Healthcare Research and Quality	293,199	56,909	86,825	0	76,031	0	66,695	0	5,610	1,129
Agency for Toxic Substances and Disease Registry	9,464	4,053	50	0	2,940	0	1,000	0	1,321	100
Centers for Disease Control and Prevention	485,206	183,060	31,389	0	253,517	0	14,613	0	1,910	717
Centers for Medicare and Medicaid Services	78,119	20	19,525	0	4,686	0	16,400	0	37,488	0
Food and Drug Administration	150,646	113,109	6,204	0	19,745	0	11,247	0	0	341
Health Resources and Services Administration	14,877	671	0	0	10,748	3,458	0	0	0	0
National Institutes of Health	12,376,216	2,284,065	769,032	187,006	6,988,385	36,646	1,889,759	10,004	51,798	159,521
Office of the Secretary	19,000	4,560	7,600	0	3,420	0	3,420	0	0	0
Office of the Assistant Secretary, Planning and Evaluation	19,000	4,560	7,600	0	3,420	0	3,420	0	0	0
Department of Homeland Security	371,757	240,326	71,504	14,098	2,619	26,938	15,198	979	95	0
Science and Technology Directorate	309,870	181,194	68,749	14,098	2,619	26,938	15,198	979	95	0
Transportation Security Administration	52,828	52,828	0	0	0	0	0	0	0	0
U.S. Coast Guard	7,965	5,410	2,555	0	0	0	0	0	0	0
U.S. Secret Service	1,094	894	200	0	0	0	0	0	0	0
Department of Housing and Urban Development	17,828	10,580	2,937	0	1,971	0	2,299	0	41	0
Department of the Interior	500,336	418,600	12,973	0	50,471	0	2,243	0	15,000	1,049
Bureau of Reclamation	4,807	1,485	2,720	0	452	0	0	0	130	20
Geological Survey	459,132	408,314	2,779	0	33,518	0	0	0	14,521	0
Minerals Management Service	27,894	7,361	6,746	0	10,855	0	1,871	0	45	1,016
National Park Service ^b	8,503	1,440	728	0	5,646	0	372	0	304	13
Department of Justice	35,025	7,900	4,500	0	8,500	0	9,500	2,875	1,750	0

TABLE 39. Preliminary federal obligations for applied research, by agency and performer: FY 2005

(Dollars in thousands)

Agency	Extramural									
	Total	Intramural ^a	United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
Bureau of Prisons	4,650	2,900	0	0	0	0	0	0	1,750	0
Office of Justice Programs	30,375	5,000	4,500	0	8,500	0	9,500	2,875	0	0
Department of Labor	23,351	20,482	1,696	0	179	0	994	0	0	0
Bureau of Labor Statistics	9,100	7,900	1,200	0	0	0	0	0	0	0
Employee Benefits Security Administration	2,693	1,093	496	0	179	0	925	0	0	0
Employment and Training Administration	8,000	8,000	0	0	0	0	0	0	0	0
Occupational Safety and Health Administration	3,415	3,415	0	0	0	0	0	0	0	0
Office of the Secretary	70	1	0	0	0	0	69	0	0	0
Pension Benefit Guaranty Corporation	73	73	0	0	0	0	0	0	0	0
Department of State	2,345	695	1,650	0	0	0	0	0	0	0
Department of Transportation	441,727	134,735	126,296	2,912	45,361	11,321	16,488	517	103,689	408
Federal Aviation Administration	149,450	56,239	57,988	2,792	21,241	11,190	0	0	0	0
Federal Highway Administration	187,820	20,795	39,492	0	10,302	131	12,894	517	103,689	0
Federal Motor Carrier Safety Administration	8,341	533	2,226	0	2,000	0	3,449	0	0	133
Federal Railroad Administration	30,645	14,712	12,611	0	3,047	0	0	0	0	275
Federal Transit Administration	300	300	0	0	0	0	0	0	0	0
National Highway Traffic Safety Administration	61,131	39,124	13,236	0	8,771	0	0	0	0	0
Pipeline and Hazardous Materials Safety Administration	3,142	2,369	668	0	0	0	105	0	0	0
Research and Innovative Technology Administration	898	663	75	120	0	0	40	0	0	0
Department of the Treasury	62,887	56,157	6,471	0	0	0	9	250	0	0
Bureau of Engraving and Printing	5,367	5,367	0	0	0	0	0	0	0	0
Internal Revenue Service	57,520	50,790	6,471	0	0	0	9	250	0	0
Department of Veterans Affairs	207,582	207,582	0	0	0	0	0	0	0	0
Other agencies										
Agency for International Development	235,000	28,000	13,000	0	27,000	0	167,000	0	0	0
Appalachian Regional Commission	750	54	250	0	300	0	146	0	0	0
Broadcasting Board of Governors	257	257	0	0	0	0	0	0	0	0
Environmental Protection Agency	365,100	248,998	33,437	0	51,967	0	25,879	0	3,820	999

TABLE 39. Preliminary federal obligations for applied research, by agency and performer: FY 2005

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
Federal Communications Commission	4,720	4,720	0	0	0	0	0	0	0	0
Federal Trade Commission	1,597	1,597	0	0	0	0	0	0	0	0
Library of Congress	2,226	2,226	0	0	0	0	0	0	0	0
National Aeronautics and Space Administration	2,500,226	670,291	1,344,967	0	256,935	65,437	57,706	0	104,243	647
National Archives and Records Administration	120	120	0	0	0	0	0	0	0	0
National Science Foundation	279,062	135	83,339	0	177,771	5	10,548	4,590	1	2,673
Nuclear Regulatory Commission	70,750	15,743	13,655	11,406	4,063	7,869	735	14,599	0	2,680
Social Security Administration	50,040	8,979	11,611	0	14,744	0	6,831	0	7,875	0

FFRDC = federally funded research and development center.

^a Includes costs associated with administration of intramural and extramural programs by federal personnel and actual intramural performance.

^b Obligations for FY 2004–06 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 C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 40. Preliminary federal obligations for applied research, by agency and performer: FY 2006

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
All agencies	28,040,984	7,819,073	5,181,134	786,328	9,431,596	1,503,062	2,581,504	195,762	340,001	202,524
Departments										
Department of Agriculture	928,018	599,337	13,417	0	307,238	0	6,015	0	871	1,140
Agricultural Marketing Service	5,554	5,554	0	0	0	0	0	0	0	0
Agricultural Research Service	408,404	388,261	0	0	17,012	0	2,043	0	214	874
Cooperative State Research, Education, and Extension Service	298,367	18,873	12,173	0	265,395	0	1,671	0	255	0
Economic Research Service	72,674	65,601	500	0	5,533	0	1,000	0	0	40
Foreign Agricultural Service	1,152	633	0	0	509	0	10	0	0	0
Forest Service	135,900	115,282	744	0	17,955	0	1,291	0	402	226
National Agricultural Statistics Service	4,267	3,933	0	0	334	0	0	0	0	0
Rural Business-Cooperative Service	1,700	1,200	0	0	500	0	0	0	0	0
Department of Commerce	746,944	563,440	19,160	0	144,777	3,118	11,002	0	5,447	0
National Institute of Standards and Technology	278,302	254,807	12,780	0	9,763	0	752	0	200	0
National Oceanic and Atmospheric Administration	458,368	298,359	6,380	0	135,014	3,118	10,250	0	5,247	0
National Telecommunications and Information Administration	9,213	9,213	0	0	0	0	0	0	0	0
U.S. Census Bureau	1,061	1,061	0	0	0	0	0	0	0	0
Department of Defense	4,479,715	1,411,817	2,141,542	40,030	571,976	89,327	144,776	50,885	598	28,764
Defense agencies and activities	2,201,842	370,736	1,189,328	39,945	373,962	77,150	109,411	17,441	0	23,869
Chemical and Biological Defense	276,349	186,464	29,618	20,316	19,719	3,693	8,019	542	0	7,978
Defense Advanced Research Projects Agency	1,521,841	161,189	835,929	19,629	328,877	44,390	101,337	14,599	0	15,891
Defense Logistics Agency	8,853	6,553	0	0	0	0	0	2,300	0	0
Defense Threat Reduction Agency	317,895	5,792	310,073	0	2,030	0	0	0	0	0
Special Operations Command	15,939	2,141	13,708	0	90	0	0	0	0	0
Washington Headquarters Services	60,965	8,597	0	0	23,246	29,067	55	0	0	0
Department of the Air Force	913,219	432,710	446,016	85	21,261	2,002	9,846	981	66	252
Materiel Command	913,219	432,710	446,016	85	21,261	2,002	9,846	981	66	252
Department of the Army	750,800	428,603	244,679	0	38,559	1,720	6,551	30,075	0	613
Department of the Navy	613,854	179,768	261,519	0	138,194	8,455	18,968	2,388	532	4,030
Department of Education	215,815	14,918	7,072	0	153,199	0	40,306	0	320	0

TABLE 40. Preliminary federal obligations for applied research, by agency and performer: FY 2006

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural							Foreign
			United States and U.S. territories						State, local governments	
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC		
Department of Energy	2,764,506	455,512	252,000	529,293	123,232	1,261,366	30,361	112,742	0	0
Bonneville Power Administration	12,710	12,525	0	0	0	0	0	185	0	0
Civilian Radioactive Waste Management	43,724	3,410	461	16,850	0	22,579	0	424	0	0
Energy Efficiency and Renewable Energy	263,724	103,045	0	26,049	27,098	24,370	7,493	75,669	0	0
Environmental Management	18,417	1	3,315	14,732	185	184	0	0	0	0
Fossil Energy	203,546	30,420	114,254	5,000	36,712	5,490	6,673	4,997	0	0
National Nuclear Security Administration	2,129,773	306,110	117,892	422,562	53,237	1,193,880	16,195	19,897	0	0
Defense Programs	2,048,525	300,893	114,718	404,273	45,558	1,166,888	16,195	0	0	0
Nonproliferation and Verification	81,248	5,217	3,174	18,289	7,679	26,992	0	19,897	0	0
Nuclear Energy	92,612	1	16,078	44,100	6,000	14,863	0	11,570	0	0
Department of Health and Human Services	13,607,063	2,682,258	924,343	189,928	7,484,327	37,219	2,030,520	10,161	84,006	164,301
Administration for Children and Families	20,990	1,034	0	0	17,736	0	1,398	0	822	0
Agency for Healthcare Research and Quality	293,199	56,909	86,825	0	76,031	0	66,695	0	5,610	1,129
Agency for Toxic Substances and Disease Registry	9,843	4,216	52	0	3,057	0	1,040	0	1,374	104
Centers for Disease Control and Prevention	485,206	183,060	31,389	0	253,517	0	14,613	0	1,910	717
Centers for Medicare and Medicaid Services	45,194	20	11,294	0	2,710	0	9,487	0	21,683	0
Food and Drug Administration	149,134	112,018	6,134	0	19,524	0	11,121	0	0	337
Health Resources and Services Administration	14,891	685	0	0	10,748	0	3,458	0	0	0
National Institutes of Health	12,569,606	2,319,756	781,049	189,928	7,097,584	37,219	1,919,288	10,161	52,607	162,014
Office of the Secretary	19,000	4,560	7,600	0	3,420	0	3,420	0	0	0
Office of the Assistant Secretary, Planning and Evaluation	19,000	4,560	7,600	0	3,420	0	3,420	0	0	0
Department of Homeland Security	348,937	219,495	69,261	14,157	2,630	27,052	15,263	983	96	0
Science and Technology Directorate	311,187	181,965	69,041	14,157	2,630	27,052	15,263	983	96	0
Transportation Security Administration	36,602	36,602	0	0	0	0	0	0	0	0
U.S. Secret Service	1,148	928	220	0	0	0	0	0	0	0
Department of Housing and Urban Development	14,554	8,637	2,398	0	1,642	0	1,877	0	0	0
Department of the Interior	465,020	396,920	10,568	0	40,367	0	1,537	0	14,793	835
Bureau of Reclamation	3,486	1,505	1,569	0	324	0	0	0	77	11
Geological Survey	431,018	387,255	1,984	0	27,258	0	0	0	14,521	0
Minerals Management Service	25,165	7,254	6,553	0	9,234	0	1,300	0	0	824
National Park Service ^b	5,351	906	462	0	3,551	0	237	0	195	0

TABLE 40. Preliminary federal obligations for applied research, by agency and performer: FY 2006

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
Department of Justice	31,900	7,900	6,000	0	8,250	0	5,000	3,000	1,750	0
Bureau of Prisons	4,650	2,900	0	0	0	0	0	0	1,750	0
Office of Justice Programs	27,250	5,000	6,000	0	8,250	0	5,000	3,000	0	0
Department of Labor	24,323	21,558	1,596	0	179	0	990	0	0	0
Bureau of Labor Statistics	9,000	7,900	1,100	0	0	0	0	0	0	0
Employee Benefits Security Administration	2,702	1,102	496	0	179	0	925	0	0	0
Employment and Training Administration	9,000	9,000	0	0	0	0	0	0	0	0
Occupational Safety and Health Administration	3,480	3,480	0	0	0	0	0	0	0	0
Office of the Secretary	66	1	0	0	0	0	65	0	0	0
Pension Benefit Guaranty Corporation	75	75	0	0	0	0	0	0	0	0
Department of State	2,366	716	1,650	0	0	0	0	0	0	0
Department of Transportation	491,697	147,111	152,522	2,850	48,342	10,556	19,478	1,276	109,306	256
Federal Aviation Administration	130,000	55,732	39,979	2,650	21,379	10,260	0	0	0	0
Federal Highway Administration	260,216	33,448	83,746	0	13,698	296	18,446	1,276	109,306	0
Federal Motor Carrier Safety Administration	9,633	286	5,183	0	3,011	0	897	0	0	256
Federal Railroad Administration	25,091	14,917	9,709	0	465	0	0	0	0	0
Federal Transit Administration	300	300	0	0	0	0	0	0	0	0
National Highway Traffic Safety Administration	62,436	39,959	12,829	0	9,648	0	0	0	0	0
Pipeline and Hazardous Materials Safety Administration	2,311	1,235	1,076	0	0	0	0	0	0	0
Research and Innovative Technology Administration	1,710	1,234	0	200	141	0	135	0	0	0
Department of the Treasury	64,722	56,567	7,896	0	0	0	9	250	0	0
Bureau of Engraving and Printing	5,254	5,254	0	0	0	0	0	0	0	0
Internal Revenue Service	59,468	51,313	7,896	0	0	0	9	250	0	0
Department of Veterans Affairs	202,759	202,759	0	0	0	0	0	0	0	0
Other agencies										
Agency for International Development	235,000	28,000	13,000	0	27,000	0	167,000	0	0	0
Appalachian Regional Commission	750	54	300	0	300	0	96	0	0	0
Broadcasting Board of Governors	25	25	0	0	0	0	0	0	0	0
Environmental Protection Agency	385,500	262,911	35,306	0	54,871	0	27,325	0	4,033	1,054

TABLE 40. Preliminary federal obligations for applied research, by agency and performer: FY 2006

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
Federal Communications Commission	6,098	6,098	0	0	0	0	0	0	0	0
Federal Trade Commission	1,587	1,587	0	0	0	0	0	0	0	0
Library of Congress	1,226	1,226	0	0	0	0	0	0	0	0
National Aeronautics and Space Administration	2,625,238	703,805	1,412,216	0	269,781	68,709	60,592	0	109,455	680
National Archives and Records Administration	120	120	0	0	0	0	0	0	0	0
National Science Foundation	276,308	134	82,516	0	176,017	5	10,444	4,545	1	2,646
Nuclear Regulatory Commission	61,397	16,180	11,586	10,070	2,338	5,710	745	11,920	0	2,848
Social Security Administration	59,396	9,988	16,785	0	15,130	0	8,168	0	9,325	0

FFRDC = federally funded research and development center.

^a Includes costs associated with administration of intramural and extramural programs by federal personnel and actual intramural performance.

^b Obligations for FY 2004–06 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 C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 41. Federal obligations for applied research, by detailed field of science and engineering: FY 2004–06
(Dollars in thousands)

Field	2004	Preliminary	
		2005	2006
All fields	27,237,148	28,626,913	28,040,984
Environmental sciences	1,718,715	1,815,616	1,672,856
Atmospheric sciences	532,853	NA	NA
Geological sciences	222,499	NA	NA
Oceanography	356,490	NA	NA
Environmental sciences, nec	606,873	NA	NA
Life sciences	13,238,513	13,727,717	13,522,512
Agricultural sciences	583,094	NA	NA
Biological sciences (excluding environmental biology)	5,869,130	NA	NA
Environmental biology	340,822	NA	NA
Medical sciences	5,421,542	NA	NA
Life sciences, nec	1,023,925	NA	NA
Mathematics and computer sciences	1,710,294	1,836,320	1,827,024
Computer sciences	1,432,690	NA	NA
Mathematics	138,748	NA	NA
Mathematics and computer sciences, nec	138,856	NA	NA
Physical sciences	1,548,560	1,657,538	1,599,463
Astronomy	155,407	NA	NA
Chemistry	415,018	NA	NA
Physics	694,042	NA	NA
Physical sciences, nec	284,093	NA	NA
Psychology	875,627	901,107	906,604
Biological aspects	5,015	NA	NA
Social aspects	46,612	NA	NA
Psychological sciences, nec	824,000	NA	NA
Social sciences	670,297	701,881	733,172
Anthropology	2,112	NA	NA
Economics	156,657	NA	NA
Political science	11,969	NA	NA
Sociology	71,513	NA	NA
Social sciences, nec	428,046	NA	NA
Other sciences, nec	880,478	929,972	946,841
Engineering	6,594,664	7,056,762	6,832,512
Aeronautical engineering	1,336,611	NA	NA
Astronautical engineering	597,812	NA	NA
Chemical engineering	250,192	NA	NA
Civil engineering	274,687	NA	NA
Electrical engineering	691,317	NA	NA
Mechanical engineering	212,292	NA	NA
Metallurgy and materials engineering	445,184	NA	NA
Engineering, nec	2,786,569	NA	NA

NA = not available (data collected for this table were not recorded at that level in that particular fiscal year).

nec = not elsewhere classified.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 42. Federal obligations for applied research, by agency and field of science and engineering: FY 2004

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
All agencies	27,237,148	1,718,715	13,238,513	1,710,294	1,548,560	875,627	670,297	880,478	6,594,664
Departments									
Department of Agriculture	998,898	12,049	784,768	14,476	44,689	344	103,811	3,004	35,757
Agricultural Marketing Service	7,942	0	7,942	0	0	0	0	0	0
Agricultural Research Service	450,203	1,981	413,602	585	29,984	0	0	0	4,051
Cooperative State Research, Education, and Extension Service	334,548	5,296	282,478	0	9,754	0	28,848	0	8,172
Economic Research Service	63,747	0	0	0	0	0	63,747	0	0
Foreign Agricultural Service	1,152	0	1,152	0	0	0	0	0	0
Forest Service	133,200	4,772	77,114	9,571	4,951	344	9,910	3,004	23,534
National Agricultural Statistics Service	4,320	0	0	4,320	0	0	0	0	0
Rural Business-Cooperative Service	3,786	0	2,480	0	0	0	1,306	0	0
Department of Commerce	840,014	386,121	85,355	70,741	87,559	54	3,752	37,774	168,658
Economic Development Administration	210	0	0	0	0	0	210	0	0
National Institute of Standards and Technology	312,627	1,439	13,630	67,043	68,702	0	0	5,471	156,342
National Oceanic and Atmospheric Administration	519,942	384,682	71,725	3,162	18,857	0	3,239	32,303	5,974
National Telecommunications and Information Administration	6,342	0	0	0	0	0	0	0	6,342
U.S. Census Bureau	893	0	0	536	0	54	303	0	0
Department of Defense	4,281,737	170,468	524,522	663,498	389,598	42,051	11,813	125,558	2,354,229
Defense agencies and activities	1,685,488	13,756	331,651	467,214	130,016	11,473	0	63,652	667,726
Chemical and Biological Defense	192,847	0	145,056	2,315	45,476	0	0	0	0
Defense Advanced Research Projects Agency	1,090,076	11,804	153,816	423,987	46,756	968	0	1,475	451,270
Defense Logistics Agency	8,553	0	0	0	0	8,553	0	0	0
Defense Threat Reduction Agency	298,163	0	790	35,054	35,627	0	0	59,363	167,329
Special Operations Command	14,898	0	2,622	0	0	0	0	0	12,276
Washington Headquarters Services	80,951	1,952	29,367	5,858	2,157	1,952	0	2,814	36,851
Department of the Air Force	891,313	30,339	25,891	49,877	129,959	12,709	0	0	642,538
Materiel Command	891,313	30,339	25,891	49,877	129,959	12,709	0	0	642,538
Department of the Army	1,028,843	26,923	122,449	119,529	122,904	17,869	11,813	61,906	545,450
Department of the Navy	676,093	99,450	44,531	26,878	6,719	0	0	0	498,515
Department of Education	201,885	0	18,633	0	0	5,180	163,930	0	14,142

TABLE 42. Federal obligations for applied research, by agency and field of science and engineering: FY 2004

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
Department of Energy	2,835,440	40,492	14,810	720,239	562,274	0	0	7,370	1,490,255
Bonneville Power Administration	11,962	0	11,310	0	0	0	0	155	497
Civilian Radioactive Waste Management	78,880	0	0	0	64,166	0	0	4,325	10,389
Energy Efficiency and Renewable Energy	244,300	0	0	0	0	0	0	0	244,300
Environmental Management	12,836	12,836	0	0	0	0	0	0	0
Fossil Energy	221,555	19,523	0	0	26,050	0	0	0	175,982
National Nuclear Security Administration	2,193,603	8,133	3,500	720,239	472,058	0	0	0	989,673
Defense Programs	2,105,828	0	0	715,315	423,820	0	0	0	966,693
Nonproliferation and Verification	87,775	8,133	3,500	4,924	48,238	0	0	0	22,980
Nuclear Energy	69,414	0	0	0	0	0	0	0	69,414
Office of Science	2,890	0	0	0	0	0	0	2,890	0
Department of Health and Human Services	13,224,710	229,411	10,839,454	81,789	183,457	769,438	182,511	549,907	388,743
Administration for Children and Families	20,135	0	0	0	0	0	20,135	0	0
Administration on Aging	3,018	0	0	0	0	0	3,018	0	0
Agency for Healthcare Research and Quality	279,389	0	152,062	17,221	0	273	30,008	79,793	32
Agency for Toxic Substances and Disease Registry	10,657	7,132	3,525	0	0	0	0	0	0
Centers for Disease Control and Prevention	539,759	0	539,759	0	0	0	0	0	0
Centers for Medicare and Medicaid Services	77,601	0	77,601	0	0	0	0	0	0
Food and Drug Administration	132,298	0	132,298	0	0	0	0	0	0
Health Resources and Services Administration	14,864	0	14,864	0	0	0	0	0	0
National Institutes of Health	12,125,928	222,279	9,919,345	64,568	183,457	769,165	108,289	470,114	388,711
Office of the Secretary	21,061	0	0	0	0	0	21,061	0	0
Office of the Assistant Secretary, Planning and Evaluation	21,061	0	0	0	0	0	21,061	0	0
Department of Homeland Security	246,937	3,209	112,068	16,662	27,198	7,790	8,374	8,789	62,847
Science and Technology Directorate	199,361	2,666	112,068	13,232	24,022	2,943	7,303	8,789	28,338
Transportation Security Administration	41,507	0	0	2,317	3,176	3,096	1,071	0	31,847
U.S. Coast Guard	5,102	543	0	1,113	0	784	0	0	2,662
U.S. Secret Service	967	0	0	0	0	967	0	0	0
Department of Housing and Urban Development	17,474	314	0	127	0	0	12,518	1,621	2,894
Department of the Interior	509,905	310,392	169,574	11,225	1,520	0	4,087	345	12,762
Bureau of Reclamation	3,823	0	327	0	0	0	0	345	3,151
Geological Survey	467,386	290,724	158,492	10,660	242	0	2,665	0	4,603
Minerals Management Service	27,212	14,355	5,927	524	0	0	1,398	0	5,008
National Park Service ^a	11,484	5,313	4,828	41	1,278	0	24	0	0

TABLE 42. Federal obligations for applied research, by agency and field of science and engineering: FY 2004

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
Department of Justice	32,587	0	0	600	0	500	20,362	11,125	0
Bureau of Prisons	5,014	0	0	600	0	500	3,914	0	0
Office of Justice Programs	27,573	0	0	0	0	0	16,448	11,125	0
Department of Labor	23,783	0	0	0	0	0	23,783	0	0
Bureau of Labor Statistics	8,700	0	0	0	0	0	8,700	0	0
Employee Benefits Security Administration	2,530	0	0	0	0	0	2,530	0	0
Employment and Training Administration	9,000	0	0	0	0	0	9,000	0	0
Occupational Safety and Health Administration	3,361	0	0	0	0	0	3,361	0	0
Office of the Secretary	121	0	0	0	0	0	121	0	0
Pension Benefit Guaranty Corporation	71	0	0	0	0	0	71	0	0
Department of State	2,987	0	0	0	0	0	2,987	0	0
Department of Transportation	340,254	33,323	6,854	2,770	294	17,167	8,179	18,854	252,813
Federal Aviation Administration	118,308	30,653	6,242	0	0	17,167	0	10,837	53,409
Federal Highway Administration	181,937	2,605	79	1,537	0	0	7,126	1,594	168,996
Federal Motor Carrier Safety Administration	6,368	0	0	0	294	0	0	6,074	0
Federal Railroad Administration	24,311	0	0	0	0	0	0	0	24,311
Federal Transit Administration	40	40	0	0	0	0	0	0	0
National Highway Traffic Safety Administration	6,666	0	533	933	0	0	867	0	4,333
Pipeline and Hazardous Materials Safety Administration	2,624	25	0	300	0	0	186	349	1,764
Department of the Treasury	61,176	0	0	0	3,869	0	0	57,307	0
Bureau of Engraving and Printing	3,869	0	0	0	3,869	0	0	0	0
Internal Revenue Service	57,307	0	0	0	0	0	0	57,307	0
Department of Veterans Affairs	209,231	0	186,215	0	0	16,739	0	0	6,277
Other agencies									
Agency for International Development	241,307	4,500	172,980	0	0	0	63,000	827	0
Appalachian Regional Commission	622	0	0	0	0	0	622	0	0
Broadcasting Board of Governors	1,001	0	0	0	0	0	0	0	1,001
Environmental Protection Agency	422,902	163,772	137,911	12,713	11,503	0	3,162	14,076	79,765
Federal Communications Commission	4,141	0	0	170	910	0	1,856	0	1,205
Federal Trade Commission	1,618	0	0	0	0	0	1,618	0	0
Library of Congress	14,400	0	0	14,190	210	0	0	0	0
National Aeronautics and Space Administration	2,355,936	362,864	177,663	64,679	229,326	15,610	0	14,948	1,490,846
National Archives and Records Administration	120	0	0	0	120	0	0	0	0

TABLE 42. Federal obligations for applied research, by agency and field of science and engineering: FY 2004

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
National Science Foundation	265,618	1,800	7,706	36,415	6,033	754	23,561	28,973	160,376
Nuclear Regulatory Commission	72,094	0	0	0	0	0	0	0	72,094
Social Security Administration	30,371	0	0	0	0	0	30,371	0	0

nec = not elsewhere classified.

^a Obligations for FY 2004–06 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 C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 43. Preliminary federal obligations for applied research, by agency and field of science and engineering: FY 2005

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
All agencies	28,626,913	1,815,616	13,727,717	1,836,320	1,657,538	901,107	701,881	929,972	7,056,762
Departments									
Department of Agriculture	1,110,922	13,124	878,940	15,406	49,415	382	110,014	3,332	40,309
Agricultural Marketing Service	7,910	0	7,910	0	0	0	0	0	0
Agricultural Research Service	453,493	1,995	416,624	590	30,203	0	0	0	4,081
Cooperative State Research, Education, and Extension Service	426,584	5,837	365,833	0	13,720	0	31,070	0	10,124
Economic Research Service	66,753	0	0	0	0	0	66,753	0	0
Foreign Agricultural Service	1,152	0	1,152	0	0	0	0	0	0
Forest Service	147,150	5,292	84,941	10,616	5,492	382	10,991	3,332	26,104
National Agricultural Statistics Service	4,200	0	0	4,200	0	0	0	0	0
Rural Business-Cooperative Service	3,680	0	2,480	0	0	0	1,200	0	0
Department of Commerce	857,697	432,001	81,308	77,577	84,925	47	8,456	6,288	167,095
Economic Development Administration	488	0	0	0	0	0	488	0	0
National Institute of Standards and Technology	314,875	1,396	13,224	74,106	66,656	0	0	5,308	154,185
National Oceanic and Atmospheric Administration	535,223	430,605	68,084	3,005	18,269	0	7,703	980	6,577
National Telecommunications and Information Administration	6,333	0	0	0	0	0	0	0	6,333
U.S. Census Bureau	778	0	0	466	0	47	265	0	0
Department of Defense	4,976,135	208,641	706,032	796,311	376,188	42,141	11,532	181,481	2,653,809
Defense agencies and activities	2,007,921	16,707	375,701	582,431	141,294	11,828	0	96,994	782,966
Chemical and Biological Defense	185,684	0	142,886	0	40,361	0	0	0	2,437
Defense Advanced Research Projects Agency	1,360,125	14,631	193,694	527,551	57,957	1,204	0	1,828	563,260
Defense Logistics Agency	8,548	0	0	0	0	8,548	0	0	0
Defense Threat Reduction Agency	353,335	0	1,085	48,650	40,730	0	0	95,166	167,704
Special Operations Command	26,583	0	5,644	0	0	0	0	0	20,939
Washington Headquarters Services	73,646	2,076	32,392	6,230	2,246	2,076	0	0	28,626
Department of the Air Force	887,713	32,651	19,392	50,754	124,397	11,635	0	731	648,153
Materiel Command	887,713	32,651	19,392	50,754	124,397	11,635	0	731	648,153
Department of the Army	1,233,440	31,474	253,710	128,584	101,862	18,678	11,532	83,756	603,844
Department of the Navy	847,061	127,809	57,229	34,542	8,635	0	0	0	618,846
Department of Education	185,187	0	18,859	0	0	5,058	146,397	0	14,873

TABLE 43. Preliminary federal obligations for applied research, by agency and field of science and engineering: FY 2005

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
Department of Energy	2,873,991	39,918	12,106	702,147	641,383	0	0	3,573	1,474,864
Bonneville Power Administration	12,221	0	11,706	0	0	0	0	162	353
Civilian Radioactive Waste Management	62,659	0	0	0	52,777	0	0	3,411	6,471
Energy Efficiency and Renewable Energy	250,376	0	0	0	0	0	0	0	250,376
Environmental Management	16,268	16,268	0	0	0	0	0	0	0
Fossil Energy	206,682	18,750	0	0	22,410	0	0	0	165,522
National Nuclear Security Administration	2,245,366	4,900	400	702,147	566,196	0	0	0	971,723
Defense Programs	2,164,118	0	0	696,747	514,754	0	0	0	952,617
Nonproliferation and Verification	81,248	4,900	400	5,400	51,442	0	0	0	19,106
Nuclear Energy	80,419	0	0	0	0	0	0	0	80,419
Department of Health and Human Services	13,450,295	233,081	11,015,763	83,973	187,244	785,327	184,583	563,555	396,769
Administration for Children and Families	20,558	0	0	0	0	0	20,558	0	0
Administration on Aging	3,010	0	0	0	0	0	3,010	0	0
Agency for Healthcare Research and Quality	293,199	0	159,578	18,072	0	286	31,491	83,738	34
Agency for Toxic Substances and Disease Registry	9,464	6,214	3,250	0	0	0	0	0	0
Centers for Disease Control and Prevention	485,206	0	485,206	0	0	0	0	0	0
Centers for Medicare and Medicaid Services	78,119	0	78,119	0	0	0	0	0	0
Food and Drug Administration	150,646	0	150,646	0	0	0	0	0	0
Health Resources and Services Administration	14,877	0	14,877	0	0	0	0	0	0
National Institutes of Health	12,376,216	226,867	10,124,087	65,901	187,244	785,041	110,524	479,817	396,735
Office of the Secretary	19,000	0	0	0	0	0	19,000	0	0
Office of the Assistant Secretary, Planning and Evaluation	19,000	0	0	0	0	0	19,000	0	0
Department of Homeland Security	371,757	4,991	174,188	22,884	46,588	9,317	12,074	13,661	88,054
Science and Technology Directorate	309,870	4,143	174,188	20,568	37,339	4,574	11,349	13,661	44,048
Transportation Security Administration	52,828	0	0	580	9,249	2,427	725	0	39,847
U.S. Coast Guard	7,965	848	0	1,736	0	1,222	0	0	4,159
U.S. Secret Service	1,094	0	0	0	0	1,094	0	0	0
Department of Housing and Urban Development	17,828	321	0	129	0	0	12,771	1,654	2,953
Department of the Interior	500,336	303,730	169,130	7,890	1,762	0	4,354	434	13,036
Bureau of Reclamation	4,807	0	413	0	0	0	0	434	3,960
Geological Survey	459,132	286,395	158,761	7,847	25	0	3,052	0	3,052
Minerals Management Service	27,894	13,398	6,385	0	802	0	1,285	0	6,024
National Park Service ^a	8,503	3,937	3,571	43	935	0	17	0	0

TABLE 43. Preliminary federal obligations for applied research, by agency and field of science and engineering: FY 2005

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
Department of Justice	35,025	0	0	600	0	600	23,950	9,875	0
Bureau of Prisons	4,650	0	0	600	0	600	3,450	0	0
Office of Justice Programs	30,375	0	0	0	0	0	20,500	9,875	0
Department of Labor	23,351	0	0	0	0	0	23,351	0	0
Bureau of Labor Statistics	9,100	0	0	0	0	0	9,100	0	0
Employee Benefits Security Administration	2,693	0	0	0	0	0	2,693	0	0
Employment and Training Administration	8,000	0	0	0	0	0	8,000	0	0
Occupational Safety and Health Administration	3,415	0	0	0	0	0	3,415	0	0
Office of the Secretary	70	0	0	0	0	0	70	0	0
Pension Benefit Guaranty Corporation	73	0	0	0	0	0	73	0	0
Department of State	2,345	0	0	0	0	0	2,345	0	0
Department of Transportation	441,727	31,553	16,575	9,230	1,469	24,269	15,142	26,879	316,610
Federal Aviation Administration	149,450	28,690	11,597	0	0	24,269	0	14,986	69,908
Federal Highway Administration	187,820	2,863	88	1,574	0	0	7,306	4,308	171,681
Federal Motor Carrier Safety Administration	8,341	0	0	0	1,469	0	0	6,872	0
Federal Railroad Administration	30,645	0	0	0	0	0	0	0	30,645
Federal Transit Administration	300	0	0	0	0	0	300	0	0
National Highway Traffic Safety Administration	61,131	0	4,890	7,336	0	0	7,336	0	41,569
Pipeline and Hazardous Materials Safety Administration	3,142	0	0	320	0	0	200	240	2,382
Research and Innovative Technology Administration	898	0	0	0	0	0	0	473	425
Department of the Treasury	62,887	0	0	0	5,367	0	0	57,520	0
Bureau of Engraving and Printing	5,367	0	0	0	5,367	0	0	0	0
Internal Revenue Service	57,520	0	0	0	0	0	0	57,520	0
Department of Veterans Affairs	207,582	0	184,748	0	0	16,607	0	0	6,227
Other agencies									
Agency for International Development	235,000	4,500	165,100	0	0	0	64,600	800	0
Appalachian Regional Commission	750	0	0	0	0	0	750	0	0
Broadcasting Board of Governors	257	0	0	0	0	0	0	0	257
Environmental Protection Agency	365,100	156,775	108,329	11,123	12,393	0	2,576	14,508	59,396

TABLE 43. Preliminary federal obligations for applied research, by agency and field of science and engineering: FY 2005

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
Federal Communications Commission	4,720	0	0	200	810	0	2,595	0	1,115
Federal Trade Commission	1,597	0	0	0	0	0	1,597	0	0
Library of Congress	2,226	0	0	1,950	166	0	0	110	0
National Aeronautics and Space Administration	2,500,226	385,089	188,544	68,641	243,370	16,566	0	15,864	1,582,152
National Archives and Records Administration	120	0	0	0	120	0	0	0	0
National Science Foundation	279,062	1,892	8,095	38,259	6,338	793	24,754	30,438	168,493
Nuclear Regulatory Commission	70,750	0	0	0	0	0	0	0	70,750
Social Security Administration	50,040	0	0	0	0	0	50,040	0	0

nec = not elsewhere classified.

^a Obligations for FY 2004–06 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 C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 44. Preliminary federal obligations for applied research, by agency and field of science and engineering: FY 2006

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
All agencies	28,040,984	1,672,856	13,522,512	1,827,024	1,599,463	906,604	733,172	946,841	6,832,512
Departments									
Department of Agriculture	928,018	11,639	716,238	14,578	42,797	351	104,488	3,070	34,857
Agricultural Marketing Service	5,554	0	5,554	0	0	0	0	0	0
Agricultural Research Service	408,404	1,797	375,201	531	27,200	0	0	0	3,675
Cooperative State Research, Education, and Extension Service	298,367	4,966	255,744	0	10,536	0	19,988	0	7,133
Economic Research Service	72,674	0	0	0	0	0	72,674	0	0
Foreign Agricultural Service	1,152	0	1,152	0	0	0	0	0	0
Forest Service	135,900	4,876	78,587	9,780	5,061	351	10,126	3,070	24,049
National Agricultural Statistics Service	4,267	0	0	4,267	0	0	0	0	0
Rural Business-Cooperative Service	1,700	0	0	0	0	0	1,700	0	0
Department of Commerce	746,944	371,255	57,263	70,186	84,822	64	7,117	4,728	151,509
National Institute of Standards and Technology	278,302	498	4,897	66,405	66,779	0	0	3,980	135,743
National Oceanic and Atmospheric Administration	458,368	370,757	52,366	3,145	18,043	0	6,756	748	6,553
National Telecommunications and Information Administration	9,213	0	0	0	0	0	0	0	9,213
U.S. Census Bureau	1,061	0	0	636	0	64	361	0	0
Department of Defense	4,479,715	141,921	530,862	827,064	418,420	43,280	11,379	173,720	2,333,069
Defense agencies and activities	2,201,842	17,759	415,267	648,569	216,821	11,588	0	102,884	788,954
Chemical and Biological Defense	276,349	0	180,917	0	95,432	0	0	0	0
Defense Advanced Research Projects Agency	1,521,841	16,371	216,725	590,274	64,848	1,347	0	2,045	630,231
Defense Logistics Agency	8,853	0	0	0	0	8,853	0	0	0
Defense Threat Reduction Agency	317,895	0	1,127	54,129	55,053	0	0	100,839	106,747
Special Operations Command	15,939	0	2,199	0	0	0	0	0	13,740
Washington Headquarters Services	60,965	1,388	14,299	4,166	1,488	1,388	0	0	38,236
Department of the Air Force	913,219	25,367	19,029	58,887	126,054	13,701	0	460	669,721
Materiel Command	913,219	25,367	19,029	58,887	126,054	13,701	0	460	669,721
Department of the Army	750,800	8,643	56,199	95,243	69,454	17,991	11,379	70,376	421,515
Department of the Navy	613,854	90,152	40,367	24,365	6,091	0	0	0	452,879
Department of Education	215,815	0	22,166	0	0	5,224	175,560	0	12,865

TABLE 44. Preliminary federal obligations for applied research, by agency and field of science and engineering: FY 2006

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
Department of Energy	2,764,506	43,881	12,500	666,230	532,901	0	0	3,570	1,505,424
Bonneville Power Administration	12,710	0	12,100	0	0	0	0	160	450
Civilian Radioactive Waste Management	43,724	0	0	0	33,843	0	0	3,410	6,471
Energy Efficiency and Renewable Energy	263,724	0	0	0	0	0	0	0	263,724
Environmental Management	18,417	18,417	0	0	0	0	0	0	0
Fossil Energy	203,546	20,564	0	0	17,995	0	0	0	164,987
National Nuclear Security Administration	2,129,773	4,900	400	666,230	481,063	0	0	0	977,180
Defense Programs	2,048,525	0	0	660,830	429,621	0	0	0	958,074
Nonproliferation and Verification	81,248	4,900	400	5,400	51,442	0	0	0	19,106
Nuclear Energy	92,612	0	0	0	0	0	0	0	92,612
Department of Health and Human Services	13,607,063	236,875	11,139,670	85,002	190,169	797,594	183,732	571,053	402,968
Administration for Children and Families	20,990	0	0	0	0	0	20,990	0	0
Agency for Healthcare Research and Quality	293,199	0	159,578	18,072	0	286	31,491	83,738	34
Agency for Toxic Substances and Disease Registry	9,843	6,463	3,380	0	0	0	0	0	0
Centers for Disease Control and Prevention	485,206	0	485,206	0	0	0	0	0	0
Centers for Medicare and Medicaid Services	45,194	0	45,194	0	0	0	0	0	0
Food and Drug Administration	149,134	0	149,134	0	0	0	0	0	0
Health Resources and Services Administration	14,891	0	14,891	0	0	0	0	0	0
National Institutes of Health	12,569,606	230,412	10,282,287	66,930	190,169	797,308	112,251	487,315	402,934
Office of the Secretary	19,000	0	0	0	0	0	19,000	0	0
Office of the Assistant Secretary, Planning and Evaluation	19,000	0	0	0	0	0	19,000	0	0
Department of Homeland Security	348,937	4,161	174,929	21,355	50,773	7,255	12,360	13,719	64,385
Science and Technology Directorate	311,187	4,161	174,929	20,655	37,497	4,594	11,397	13,719	44,235
Transportation Security Administration	36,602	0	0	700	13,276	1,513	963	0	20,150
U.S. Secret Service	1,148	0	0	0	0	1,148	0	0	0
Department of Housing and Urban Development	14,554	262	0	106	0	0	10,426	1,350	2,410
Department of the Interior	465,020	272,950	169,572	7,964	619	0	4,119	315	9,481
Bureau of Reclamation	3,486	0	300	0	0	0	0	315	2,871
Geological Survey	431,018	257,225	159,657	7,937	25	0	3,087	0	3,087
Minerals Management Service	25,165	13,247	7,368	0	0	0	1,027	0	3,523
National Park Service ^a	5,351	2,478	2,247	27	594	0	5	0	0
Department of Justice	31,900	0	0	600	0	600	23,700	7,000	0
Bureau of Prisons	4,650	0	0	600	0	600	3,450	0	0
Office of Justice Programs	27,250	0	0	0	0	0	20,250	7,000	0

TABLE 44. Preliminary federal obligations for applied research, by agency and field of science and engineering: FY 2006

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
Department of Labor	24,323	0	0	0	0	0	24,323	0	0
Bureau of Labor Statistics	9,000	0	0	0	0	0	9,000	0	0
Employee Benefits Security Administration	2,702	0	0	0	0	0	2,702	0	0
Employment and Training Administration	9,000	0	0	0	0	0	9,000	0	0
Occupational Safety and Health Administration	3,480	0	0	0	0	0	3,480	0	0
Office of the Secretary	66	0	0	0	0	0	66	0	0
Pension Benefit Guaranty Corporation	75	0	0	0	0	0	75	0	0
Department of State	2,366	0	0	0	0	0	2,366	0	0
Department of Transportation	491,697	29,224	13,200	11,463	0	17,835	20,170	48,614	351,191
Federal Aviation Administration	130,000	22,878	6,889	0	0	17,835	0	26,205	56,193
Federal Highway Administration	260,216	6,346	199	2,996	0	0	12,782	12,509	225,384
Federal Motor Carrier Safety Administration	9,633	0	493	0	0	0	0	9,140	0
Federal Railroad Administration	25,091	0	0	0	0	0	0	0	25,091
Federal Transit Administration	300	0	0	0	0	0	300	0	0
National Highway Traffic Safety Administration	62,436	0	5,619	8,117	0	0	6,868	0	41,832
Pipeline and Hazardous Materials Safety Administration	2,311	0	0	350	0	0	220	0	1,741
Research and Innovative Technology Administration	1,710	0	0	0	0	0	0	760	950
Department of the Treasury	64,722	0	0	0	5,254	0	0	59,468	0
Bureau of Engraving and Printing	5,254	0	0	0	5,254	0	0	0	0
Internal Revenue Service	59,468	0	0	0	0	0	0	59,468	0
Department of Veterans Affairs	202,759	0	180,455	0	0	16,221	0	0	6,083
Other agencies									
Agency for International Development	235,000	4,500	165,100	0	0	0	64,600	800	0
Appalachian Regional Commission	750	0	0	0	0	0	750	0	0
Broadcasting Board of Governors	25	0	0	0	0	0	0	0	25
Environmental Protection Agency	385,500	149,971	134,572	11,197	10,707	0	0	12,529	66,524
Federal Communications Commission	6,098	0	0	375	900	0	2,590	0	2,233
Federal Trade Commission	1,587	0	0	0	0	0	1,587	0	0
Library of Congress	1,226	0	0	950	166	0	0	110	0
National Aeronautics and Space Administration	2,625,238	404,344	197,970	72,073	255,539	17,395	0	16,657	1,661,260
National Archives and Records Administration	120	0	0	0	120	0	0	0	0

TABLE 44. Preliminary federal obligations for applied research, by agency and field of science and engineering: FY 2006

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
National Science Foundation	276,308	1,873	8,015	37,881	6,276	785	24,509	30,138	166,831
Nuclear Regulatory Commission	61,397	0	0	0	0	0	0	0	61,397
Social Security Administration	59,396	0	0	0	0	0	59,396	0	0

nec = not elsewhere classified.

^a Obligations for FY 2004–06 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 C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 45. Federal obligations for applied research in environmental and physical sciences, by agency and detailed field: FY 2004

(Dollars in thousands)

Agency	Environmental sciences					Physical sciences				
	Total	Atmospheric sciences	Geological sciences	Oceanography	Environmental sciences, nec	Total	Astronomy	Chemistry	Physics	Physical sciences, nec
All agencies	1,718,715	532,853	222,499	356,490	606,873	1,548,560	155,407	415,018	694,042	284,093
Departments										
Department of Agriculture	12,049	10,878	1,171	0	0	44,689	0	41,952	2,737	0
Agricultural Research Service	1,981	1,936	45	0	0	29,984	0	28,588	1,396	0
Cooperative State Research, Education, and Extension Service	5,296	5,296	0	0	0	9,754	0	9,754	0	0
Forest Service	4,772	3,646	1,126	0	0	4,951	0	3,610	1,341	0
Department of Commerce	386,121	136,310	3,411	172,924	73,476	87,559	128	32,506	54,105	820
National Institute of Standards and Technology	1,439	450	146	843	0	68,702	128	26,299	41,455	820
National Oceanic and Atmospheric Administration	384,682	135,860	3,265	172,081	73,476	18,857	0	6,207	12,650	0
Department of Defense	170,468	30,222	17,214	88,072	34,960	389,598	559	83,000	191,108	114,931
Defense agencies and activities	13,756	1,317	0	7,436	5,003	130,016	0	39,964	45,414	44,638
Chemical and Biological Defense	0	0	0	0	0	45,476	0	29,517	0	15,959
Defense Advanced Research Projects Agency	11,804	341	0	6,460	5,003	46,756	0	9,471	8,606	28,679
Defense Threat Reduction Agency	0	0	0	0	0	35,627	0	0	35,627	0
Washington Headquarters Services	1,952	976	0	976	0	2,157	0	976	1,181	0
Department of the Air Force	30,339	11,400	16,534	0	2,405	129,959	559	16,547	112,853	0
Materiel Command	30,339	11,400	16,534	0	2,405	129,959	559	16,547	112,853	0
Department of the Army	26,923	10,115	680	0	16,128	122,904	0	26,489	32,841	63,574
Department of the Navy	99,450	7,390	0	80,636	11,424	6,719	0	0	0	6,719
Department of Energy	40,492	100	8,033	0	32,359	562,274	0	43,715	378,437	140,122
Civilian Radioactive Waste Management	0	0	0	0	0	64,166	0	0	0	64,166
Environmental Management	12,836	0	0	0	12,836	0	0	0	0	0
Fossil Energy	19,523	0	0	0	19,523	26,050	0	26,050	0	0
National Nuclear Security Administration	8,133	100	8,033	0	0	472,058	0	17,665	378,437	75,956
Defense Programs	0	0	0	0	0	423,820	0	0	361,434	62,386
Nonproliferation and Verification	8,133	100	8,033	0	0	48,238	0	17,665	17,003	13,570
Department of Health and Human Services	229,411	0	0	0	229,411	183,457	0	174,120	0	9,337
Agency for Toxic Substances and Disease Registry	7,132	0	0	0	7,132	0	0	0	0	0
National Institutes of Health	222,279	0	0	0	222,279	183,457	0	174,120	0	9,337
Department of Homeland Security	3,209	847	846	0	1,516	27,198	0	19,323	7,695	180
Science and Technology Directorate	2,666	847	846	0	973	24,022	0	17,935	5,907	180
Transportation Security Administration	0	0	0	0	0	3,176	0	1,388	1,788	0
U.S. Coast Guard	543	0	0	0	543	0	0	0	0	0

TABLE 45. Federal obligations for applied research in environmental and physical sciences, by agency and detailed field: FY 2004

(Dollars in thousands)

Agency	Environmental sciences					Physical sciences				
	Total	Atmospheric sciences	Geological sciences	Oceanography	Environmental sciences, nec	Total	Astronomy	Chemistry	Physics	Physical sciences, nec
Department of Housing and Urban Development	314	0	0	0	314	0	0	0	0	0
Department of the Interior	310,392	890	164,541	12,174	132,787	1,520	0	81	78	1,361
Geological Survey	290,724	0	163,408	0	127,316	242	0	0	0	242
Minerals Management Service	14,355	753	642	12,110	850	0	0	0	0	0
National Park Service ^a	5,313	137	491	64	4,621	1,278	0	81	78	1,119
Department of Transportation	33,323	31,226	0	291	1,806	294	0	0	0	294
Federal Aviation Administration	30,653	30,653	0	0	0	0	0	0	0	0
Federal Highway Administration	2,605	573	0	291	1,741	0	0	0	0	0
Federal Motor Carrier Safety Administration	0	0	0	0	0	294	0	0	0	294
Federal Transit Administration	40	0	0	0	40	0	0	0	0	0
Pipeline and Hazardous Materials Safety Administration	25	0	0	0	25	0	0	0	0	0
Department of the Treasury	0	0	0	0	0	3,869	0	8	0	3,861
Bureau of Engraving and Printing	0	0	0	0	0	3,869	0	8	0	3,861
Other agencies										
Agency for International Development	4,500	0	0	0	4,500	0	0	0	0	0
Environmental Protection Agency	163,772	71,717	2,509	14,795	74,751	11,503	0	10,752	0	751
Federal Communications Commission	0	0	0	0	0	910	0	0	910	0
Library of Congress	0	0	0	0	0	210	0	127	0	83
National Aeronautics and Space Administration	362,864	250,300	24,598	67,008	20,958	229,326	154,715	7,815	56,223	10,573
National Archives and Records Administration	0	0	0	0	0	120	0	70	50	0
National Science Foundation	1,800	363	176	1,226	35	6,033	5	1,549	2,699	1,780

nec = not elsewhere classified.

^a Obligations for FY 2004–06 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 C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 46. Federal obligations for applied research in life sciences and psychology, by agency and detailed field: FY 2004

(Dollars in thousands)

Agency	Life sciences						Psychology			
	Total	Agricultural sciences	Biological sciences ^a	Environmental biology	Medical sciences	Life sciences, nec	Total	Biological aspects	Social aspects	Psychological sciences, nec
All agencies	13,238,513	583,094	5,869,130	340,822	5,421,542	1,023,925	875,627	5,015	46,612	824,000
Departments										
Department of Agriculture	784,768	486,354	114,813	169,543	14,058	0	344	0	344	0
Agricultural Marketing Service	7,942	7,942	0	0	0	0	0	0	0	0
Agricultural Research Service	413,602	321,310	28,813	56,140	7,339	0	0	0	0	0
Cooperative State Research, Education, and Extension Service	282,478	152,198	71,264	55,058	3,958	0	0	0	0	0
Foreign Agricultural Service	1,152	1,152	0	0	0	0	0	0	0	0
Forest Service	77,114	1,272	14,736	58,345	2,761	0	344	0	344	0
Rural Business-Cooperative Service	2,480	2,480	0	0	0	0	0	0	0	0
Department of Commerce	85,355	17,438	29,300	26,115	3,719	8,783	54	0	0	54
National Institute of Standards and Technology	13,630	1,818	11,287	0	325	200	0	0	0	0
National Oceanic and Atmospheric Administration	71,725	15,620	18,013	26,115	3,394	8,583	0	0	0	0
U.S. Census Bureau	0	0	0	0	0	0	54	0	0	54
Department of Defense	524,522	1,656	181,902	5,674	268,227	67,063	42,051	4,327	10,323	27,401
Defense agencies and activities	331,651	976	149,321	2,953	169,627	8,774	11,473	1,944	9,529	0
Chemical and Biological Defense	145,056	0	26,155	0	118,901	0	0	0	0	0
Defense Advanced Research Projects Agency	153,816	0	111,879	2,953	33,622	5,362	968	968	0	0
Defense Logistics Agency	0	0	0	0	0	0	8,553	0	8,553	0
Defense Threat Reduction Agency	790	0	0	0	0	790	0	0	0	0
Special Operations Command	2,622	0	0	0	0	2,622	0	0	0	0
Washington Headquarters Services	29,367	976	11,287	0	17,104	0	1,952	976	976	0
Department of the Air Force	25,891	0	8,738	0	794	16,359	12,709	2,383	794	9,532
Materiel Command	25,891	0	8,738	0	794	16,359	12,709	2,383	794	9,532
Department of the Army	122,449	680	18,871	2,721	89,743	10,434	17,869	0	0	17,869
Department of the Navy	44,531	0	4,972	0	8,063	31,496	0	0	0	0
Department of Education	18,633	0	0	0	0	18,633	5,180	0	0	5,180
Department of Energy	14,810	0	14,810	0	0	0	0	0	0	0
Bonneville Power Administration	11,310	0	11,310	0	0	0	0	0	0	0
National Nuclear Security Administration	3,500	0	3,500	0	0	0	0	0	0	0
Nonproliferation and Verification	3,500	0	3,500	0	0	0	0	0	0	0
Department of Health and Human Services	10,839,454	0	5,186,484	3,500	4,835,763	813,707	769,438	0	30	769,408
Agency for Healthcare Research and Quality	152,062	0	0	0	152,036	26	273	0	30	243
Agency for Toxic Substances and Disease Registry	3,525	0	0	3,500	25	0	0	0	0	0

TABLE 46. Federal obligations for applied research in life sciences and psychology, by agency and detailed field: FY 2004

(Dollars in thousands)

Agency	Life sciences						Psychology			
	Total	Agricultural sciences	Biological sciences ^a	Environmental biology	Medical sciences	Life sciences, nec	Total	Biological aspects	Social aspects	Psychological sciences, nec
Centers for Disease Control and Prevention	539,759	0	0	0	539,759	0	0	0	0	0
Centers for Medicare and Medicaid Services	77,601	0	0	0	0	77,601	0	0	0	0
Food and Drug Administration	132,298	0	132,298	0	0	0	0	0	0	0
Health Resources and Services Administration	14,864	0	0	0	9,864	5,000	0	0	0	0
National Institutes of Health	9,919,345	0	5,054,186	0	4,134,079	731,080	769,165	0	0	769,165
Department of Homeland Security	112,068	4,949	102,697	1,693	2,120	609	7,790	688	3,663	3,439
Science and Technology Directorate	112,068	4,949	102,697	1,693	2,120	609	2,943	688	1,747	508
Transportation Security Administration	0	0	0	0	0	0	3,096	0	1,132	1,964
U.S. Coast Guard	0	0	0	0	0	0	784	0	784	0
U.S. Secret Service	0	0	0	0	0	0	967	0	0	967
Department of the Interior	169,574	0	87,302	82,209	0	63	0	0	0	0
Bureau of Reclamation	327	0	0	327	0	0	0	0	0	0
Geological Survey	158,492	0	84,001	74,491	0	0	0	0	0	0
Minerals Management Service	5,927	0	0	5,927	0	0	0	0	0	0
National Park Service ^b	4,828	0	3,301	1,464	0	63	0	0	0	0
Department of Justice	0	0	0	0	0	0	500	0	200	300
Bureau of Prisons	0	0	0	0	0	0	500	0	200	300
Department of Transportation	6,854	0	50	29	6,242	533	17,167	0	17,167	0
Federal Aviation Administration	6,242	0	0	0	6,242	0	17,167	0	17,167	0
Federal Highway Administration	79	0	50	29	0	0	0	0	0	0
National Highway Traffic Safety Administration	533	0	0	0	0	533	0	0	0	0
Department of Veterans Affairs	186,215	0	0	0	186,215	0	16,739	0	0	16,739
Other agencies										
Agency for International Development	172,980	71,980	0	0	0	101,000	0	0	0	0
Environmental Protection Agency	137,911	0	91,988	40,919	203	4,801	0	0	0	0
National Aeronautics and Space Administration	177,663	717	57,782	5,436	104,995	8,733	15,610	0	14,131	1,479
National Science Foundation	7,706	0	2,002	5,704	0	0	754	0	754	0

nec = not elsewhere classified.

^a Excluding environmental biology.

^b Obligations for FY 2004–06 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 C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 47. Federal obligations for applied research in mathematics and computer sciences and in social sciences, by agency and detailed field: FY 2004
(Dollars in thousands)

Agency	Mathematics and computer sciences				Social sciences					
	Total	Computer sciences	Mathematics	Mathematics and computer sciences, nec	Total	Anthropology	Economics	Political science	Sociology	Social sciences, nec
All agencies	1,710,294	1,432,690	138,748	138,856	670,297	2,112	156,657	11,969	71,513	428,046
Departments										
Department of Agriculture	14,476	0	14,476	0	103,811	223	95,897	0	7,691	0
Agricultural Research Service	585	0	585	0	0	0	0	0	0	0
Cooperative State Research, Education, and Extension Service	0	0	0	0	28,848	0	22,022	0	6,826	0
Economic Research Service	0	0	0	0	63,747	0	63,747	0	0	0
Forest Service	9,571	0	9,571	0	9,910	223	8,822	0	865	0
National Agricultural Statistics Service	4,320	0	4,320	0	0	0	0	0	0	0
Rural Business-Cooperative Service	0	0	0	0	1,306	0	1,306	0	0	0
Department of Commerce	70,741	59,959	6,527	4,255	3,752	71	1,027	1,234	617	803
Economic Development Administration	0	0	0	0	210	0	210	0	0	0
National Institute of Standards and Technology	67,043	57,654	5,134	4,255	0	0	0	0	0	0
National Oceanic and Atmospheric Administration	3,162	2,108	1,054	0	3,239	0	817	1,234	617	571
U.S. Census Bureau	536	197	339	0	303	71	0	0	0	232
Department of Defense	663,498	551,084	35,941	76,473	11,813	680	0	0	0	11,133
Defense agencies and activities	467,214	426,012	13,848	27,354	0	0	0	0	0	0
Chemical and Biological Defense	2,315	70	0	2,245	0	0	0	0	0	0
Defense Advanced Research Projects Agency	423,987	408,610	10,919	4,458	0	0	0	0	0	0
Defense Threat Reduction Agency	35,054	14,403	0	20,651	0	0	0	0	0	0
Washington Headquarters Services	5,858	2,929	2,929	0	0	0	0	0	0	0
Department of the Air Force	49,877	27,974	15,698	6,205	0	0	0	0	0	0
Materiel Command	49,877	27,974	15,698	6,205	0	0	0	0	0	0
Department of the Army	119,529	70,220	6,395	42,914	11,813	680	0	0	0	11,133
Department of the Navy	26,878	26,878	0	0	0	0	0	0	0	0
Department of Education	0	0	0	0	163,930	0	0	0	11,901	152,029
Department of Energy	720,239	715,315	0	4,924	0	0	0	0	0	0
National Nuclear Security Administration	720,239	715,315	0	4,924	0	0	0	0	0	0
Defense Programs	715,315	715,315	0	0	0	0	0	0	0	0
Nonproliferation and Verification	4,924	0	0	4,924	0	0	0	0	0	0

TABLE 47. Federal obligations for applied research in mathematics and computer sciences and in social sciences, by agency and detailed field: FY 2004
(Dollars in thousands)

Agency	Mathematics and computer sciences				Social sciences					
	Total	Computer sciences	Mathematics	Mathematics and computer sciences, nec	Total	Political science			Social sciences, nec	
						Anthropology	Economics	Sociology		
Department of Health and Human Services	81,789	14,621	64,568	2,600	182,511	22	15,980	32	227	166,250
Administration for Children and Families	0	0	0	0	20,135	0	0	0	0	20,135
Administration on Aging	0	0	0	0	3,018	0	0	0	0	3,018
Agency for Healthcare Research and Quality	17,221	14,621	0	2,600	30,008	22	15,980	32	227	13,747
National Institutes of Health	64,568	0	64,568	0	108,289	0	0	0	0	108,289
Office of the Secretary	0	0	0	0	21,061	0	0	0	0	21,061
Office of the Assistant Secretary, Planning and Evaluation	0	0	0	0	21,061	0	0	0	0	21,061
Department of Homeland Security	16,662	8,261	3,843	4,558	8,374	180	4,158	1,769	1,147	1,120
Science and Technology Directorate	13,232	7,773	3,355	2,104	7,303	180	3,144	1,769	1,090	1,120
Transportation Security Administration	2,317	488	488	1,341	1,071	0	1,014	0	57	0
U.S. Coast Guard	1,113	0	0	1,113	0	0	0	0	0	0
Department of Housing and Urban Development	127	0	0	127	12,518	0	10,502	103	784	1,129
Department of the Interior	11,225	9,039	2,180	6	4,087	0	275	0	2,436	1,376
Geological Survey	10,660	8,480	2,180	0	2,665	0	0	0	1,454	1,211
Minerals Management Service	524	524	0	0	1,398	0	275	0	982	141
National Park Service ^a	41	35	0	6	24	0	0	0	0	24
Department of Justice	600	0	0	600	20,362	0	200	0	6,645	13,517
Bureau of Prisons	600	0	0	600	3,914	0	200	0	700	3,014
Office of Justice Programs	0	0	0	0	16,448	0	0	0	5,945	10,503
Department of Labor	0	0	0	0	23,783	0	5,962	0	0	17,821
Bureau of Labor Statistics	0	0	0	0	8,700	0	0	0	0	8,700
Employee Benefits Security Administration	0	0	0	0	2,530	0	2,530	0	0	0
Employment and Training Administration	0	0	0	0	9,000	0	0	0	0	9,000
Occupational Safety and Health Administration	0	0	0	0	3,361	0	3,361	0	0	0
Office of the Secretary	0	0	0	0	121	0	0	0	0	121
Pension Benefit Guaranty Corporation	0	0	0	0	71	0	71	0	0	0
Department of State	0	0	0	0	2,987	0	478	508	209	1,792
Department of Transportation	2,770	943	0	1,827	8,179	0	3,031	1,516	493	3,139
Federal Highway Administration	1,537	643	0	894	7,126	0	2,845	1,516	493	2,272
National Highway Traffic Safety Administration	933	0	0	933	867	0	0	0	0	867
Pipeline and Hazardous Materials Safety Administration	300	300	0	0	186	0	186	0	0	0

TABLE 47. Federal obligations for applied research in mathematics and computer sciences and in social sciences, by agency and detailed field: FY 2004
(Dollars in thousands)

Agency	Mathematics and computer sciences				Social sciences					
	Total	Computer sciences	Mathematics	Mathematics and computer sciences, nec	Total	Anthropology	Economics	Political science	Sociology	Social sciences, nec
Other agencies										
Agency for International Development	0	0	0	0	63,000	0	7,900	6,150	38,250	10,700
Appalachian Regional Commission	0	0	0	0	622	0	426	0	0	196
Environmental Protection Agency	12,713	4,236	7,859	618	3,162	0	3,162	0	0	0
Federal Communications Commission	170	170	0	0	1,856	0	1,856	0	0	0
Federal Trade Commission	0	0	0	0	1,618	0	1,618	0	0	0
Library of Congress	14,190	14,190	0	0	0	0	0	0	0	0
National Aeronautics and Space Administration	64,679	19,332	2,479	42,868	0	0	0	0	0	0
National Science Foundation	36,415	35,540	875	0	23,561	936	4,185	657	1,113	16,670
Social Security Administration	0	0	0	0	30,371	0	0	0	0	30,371

nec = not elsewhere classified.

^a Obligations for FY 2004–06 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 C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 48. Federal obligations for applied research in engineering, by agency and detailed field: FY 2004

(Dollars in thousands)

Agency	Total	Aeronautical engineering	Astronautical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgy and materials engineering	Engineering, nec
All agencies	6,594,664	1,336,611	597,812	250,192	274,687	691,317	212,292	445,184	2,786,569
Departments									
Department of Agriculture	35,757	0	0	3,511	4,130	418	2,777	0	24,921
Agricultural Research Service	4,051	0	0	2,026	630	360	450	0	585
Cooperative State Research, Education, and Extension Service	8,172	0	0	0	0	0	0	0	8,172
Forest Service	23,534	0	0	1,485	3,500	58	2,327	0	16,164
Department of Commerce	168,658	0	0	4,296	27,802	59,331	3,866	38,458	34,905
National Institute of Standards and Technology	156,342	0	0	4,296	24,100	50,881	3,866	38,458	34,741
National Oceanic and Atmospheric Administration	5,974	0	0	0	3,702	2,108	0	0	164
National Telecommunications and Information Administration	6,342	0	0	0	0	6,342	0	0	0
Department of Defense	2,354,229	371,421	107,565	27,634	35,027	565,829	190,499	273,344	782,910
Defense agencies and activities	667,726	43,809	0	2,942	1,466	167,435	12,219	104,851	335,004
Defense Advanced Research Projects Agency	451,270	43,809	0	1,476	0	153,210	10,750	104,851	137,174
Defense Threat Reduction Agency	167,329	0	0	0	0	12,759	0	0	154,570
Special Operations Command	12,276	0	0	0	0	0	0	0	12,276
Washington Headquarters Services	36,851	0	0	1,466	1,466	1,466	1,469	0	30,984
Department of the Air Force	642,538	239,397	100,174	4,014	8,079	86,100	27,031	72,209	105,534
Materiel Command	642,538	239,397	100,174	4,014	8,079	86,100	27,031	72,209	105,534
Department of the Army	545,450	55,498	0	20,678	25,482	175,643	121,011	48,114	99,024
Department of the Navy	498,515	32,717	7,391	0	0	136,651	30,238	48,170	243,348
Department of Education	14,142	0	0	0	0	0	0	0	14,142
Department of Energy	1,490,255	800	0	175,408	49,996	32,323	283	81,216	1,150,229
Bonneville Power Administration	497	0	0	0	497	0	0	0	0
Civilian Radioactive Waste Management	10,389	0	0	0	0	0	0	0	10,389
Energy Efficiency and Renewable Energy	244,300	0	0	0	48,494	32,198	283	318	163,007
Fossil Energy	175,982	0	0	174,977	1,005	0	0	0	0
National Nuclear Security Administration	989,673	800	0	431	0	125	0	80,898	907,419
Defense Programs	966,693	0	0	0	0	0	0	80,527	886,166
Nonproliferation and Verification	22,980	800	0	431	0	125	0	371	21,253
Nuclear Energy	69,414	0	0	0	0	0	0	0	69,414

TABLE 48. Federal obligations for applied research in engineering, by agency and detailed field: FY 2004

(Dollars in thousands)

Agency	Total	Aeronautical engineering	Astronautical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgy and materials engineering	Engineering, nec
Department of Health and Human Services	388,743	0	0	0	0	0	0	0	388,743
Agency for Healthcare Research and Quality	32	0	0	0	0	0	0	0	32
National Institutes of Health	388,711	0	0	0	0	0	0	0	388,711
Department of Homeland Security	62,847	19,559	0	708	1,234	3,457	2,696	932	34,261
Science and Technology Directorate	28,338	15,694	0	708	962	767	690	360	9,157
Transportation Security Administration	31,847	3,865	0	0	0	1,439	1,439	0	25,104
U.S. Coast Guard	2,662	0	0	0	272	1,251	567	572	0
Department of Housing and Urban Development	2,894	0	0	0	0	0	0	0	2,894
Department of the Interior	12,762	0	0	2,271	7,445	1,033	433	285	1,295
Bureau of Reclamation	3,151	0	0	867	1,315	306	433	230	0
Geological Survey	4,603	0	0	0	3,876	727	0	0	0
Minerals Management Service	5,008	0	0	1,404	2,254	0	0	55	1,295
Department of Transportation	252,813	0	0	614	135,114	0	1,627	46,727	68,731
Federal Aviation Administration	53,409	0	0	0	8,198	0	0	45,211	0
Federal Highway Administration	168,996	0	0	0	126,916	0	94	696	41,290
Federal Railroad Administration	24,311	0	0	0	0	0	0	0	24,311
National Highway Traffic Safety Administration	4,333	0	0	0	0	0	1,533	0	2,800
Pipeline and Hazardous Materials Safety Administration	1,764	0	0	614	0	0	0	820	330
Department of Veterans Affairs	6,277	0	0	0	0	0	0	0	6,277
Other agencies									
Broadcasting Board of Governors	1,001	0	0	0	0	0	0	0	1,001
Environmental Protection Agency	79,765	0	0	22,832	2,827	264	691	356	52,795
Federal Communications Commission	1,205	0	0	0	0	1,205	0	0	0
National Aeronautics and Space Administration	1,490,846	944,831	490,247	408	26	13,063	8,733	3,045	30,493
National Science Foundation	160,376	0	0	12,510	11,086	14,394	687	821	120,878
Nuclear Regulatory Commission	72,094	0	0	0	0	0	0	0	72,094

nec = not elsewhere classified.

NOTES: Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 49. Federal obligations for development, by agency and performer: FY 2004

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
All agencies	48,018,703	10,338,016	32,431,845	411,555	1,470,568	1,713,546	407,359	647,665	347,217	250,932
Departments										
Department of Agriculture	183,383	166,962	0	0	15,064	0	886	0	92	379
Agricultural Marketing Service	1,018	1,018	0	0	0	0	0	0	0	0
Agricultural Research Service	109,806	99,156	0	0	9,293	0	886	0	92	379
Animal and Plant Health Inspection Service	24,389	18,618	0	0	5,771	0	0	0	0	0
Forest Service	41,440	41,440	0	0	0	0	0	0	0	0
Grain Inspection, Packers, and Stockyards Administration	6,730	6,730	0	0	0	0	0	0	0	0
Department of Commerce	171,015	70,647	79,717	0	6,556	0	9,033	0	5,062	0
National Institute of Standards and Technology	84,509	7,807	74,836	0	164	0	1,702	0	0	0
National Oceanic and Atmospheric Administration	46,322	37,086	4,881	0	3,441	0	350	0	564	0
National Telecommunications and Information Administration	17,810	3,380	0	0	2,951	0	6,981	0	4,498	0
U.S. Census Bureau	22,374	22,374	0	0	0	0	0	0	0	0
Department of Defense	41,397,048	8,821,482	30,370,671	112,371	754,184	379,427	207,647	504,760	16,136	230,370
Defense agencies and activities	11,188,978	2,377,861	7,966,534	63,767	289,789	179,327	34,600	122,973	44	154,083
Chemical and Biological Defense	233,581	106,540	117,181	0	7,751	40	600	1,469	0	0
Defense Advanced Research Projects Agency	1,294,559	193,888	936,792	9,957	89,545	38,300	12,803	11,231	0	2,043
Defense Contract Management Agency	18,555	1,037	17,119	0	0	0	399	0	0	0
Defense Information Systems Agency	265,777	33,695	214,357	0	2,490	1,475	0	13,760	0	0
Defense Logistics Agency	206,610	64,245	107,203	0	26,897	0	4,246	4,015	0	4
Defense Threat Reduction Agency	94,050	42,507	45,815	934	452	1,573	5	2,534	0	230
Joint Staff	107,714	102,329	0	0	0	5,385	0	0	0	0
Missile Defense Agency	7,217,410	1,347,629	5,489,050	34,510	74,852	80,607	4,870	62,000	44	123,848
Special Operations Command	528,450	70,999	439,569	0	2,985	14,897	0	0	0	0
Washington Headquarters Services	1,222,272	414,992	599,448	18,366	84,817	37,050	11,677	27,964	0	27,958
Department of the Air Force	8,410,543	1,286,595	6,670,609	36,921	50,530	126,837	6,441	215,636	15,815	1,159
Materiel Command	5,365,373	977,205	4,246,427	2,249	48,978	7,541	6,441	75,373	0	1,159
Space Command	3,045,170	309,390	2,424,182	34,672	1,552	119,296	0	140,263	15,815	0
Department of the Army	7,751,860	1,591,039	5,866,516	6,060	98,037	36,161	51,302	46,745	168	55,832
Department of the Navy	13,747,502	3,439,945	9,741,377	5,623	302,503	35,838	115,304	87,507	109	19,296
Operational Test and Evaluation, Director	298,165	126,042	125,635	0	13,325	1,264	0	31,899	0	0

TABLE 49. Federal obligations for development, by agency and performer: FY 2004

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural							Foreign
			United States and U.S. territories						State, local governments	
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC		
Department of Defense advanced technology	5,613,812	1,477,742	3,454,068	33,035	401,091	99,127	82,953	43,830	168	21,798
Defense agencies and activities	2,712,065	612,591	1,706,490	29,914	215,204	83,746	19,537	26,498	0	18,085
Chemical and Biological Defense	161,270	68,493	84,615	0	7,603	40	0	519	0	0
Defense Advanced Research Projects Agency	1,165,914	156,123	846,048	9,957	89,495	38,226	12,795	11,231	0	2,039
Defense Logistics Agency	140,125	42,265	66,776	0	25,584	0	4,246	1,250	0	4
Defense Threat Reduction Agency	89,926	42,457	43,509	934	452	1,573	5	766	0	230
Missile Defense Agency	280,918	33,221	227,497	850	10,494	8,677	66	113	0	0
Special Operations Command	84,970	11,416	73,074	0	480	0	0	0	0	0
Washington Headquarters Services	788,942	258,616	364,971	18,173	81,096	35,230	2,425	12,619	0	15,812
Department of the Air Force	746,758	226,469	481,512	144	31,131	2,131	2,085	3,052	0	234
Materiel Command	746,758	226,469	481,512	144	31,131	2,131	2,085	3,052	0	234
Department of the Army	1,111,744	367,302	655,956	100	58,683	12,226	10,814	3,417	168	3,078
Department of the Navy	1,030,840	267,825	605,894	2,877	92,372	392	50,517	10,562	0	401
Operational Test and Evaluation, Director	12,405	3,555	4,216	0	3,701	632	0	301	0	0
Department of Defense major systems	35,783,236	7,343,740	26,916,603	79,336	353,093	280,300	124,694	460,930	15,968	208,572
Defense agencies and activities	8,476,913	1,765,270	6,260,044	33,853	74,585	95,581	15,063	96,475	44	135,998
Chemical and Biological Defense	72,311	38,047	32,566	0	148	0	600	950	0	0
Defense Advanced Research Projects Agency	128,645	37,765	90,744	0	50	74	8	0	0	4
Defense Contract Management Agency	18,555	1,037	17,119	0	0	0	399	0	0	0
Defense Information Systems Agency	265,777	33,695	214,357	0	2,490	1,475	0	13,760	0	0
Defense Logistics Agency	66,485	21,980	40,427	0	1,313	0	0	2,765	0	0
Defense Threat Reduction Agency	4,124	50	2,306	0	0	0	0	1,768	0	0
Joint Staff	107,714	102,329	0	0	0	5,385	0	0	0	0
Missile Defense Agency	6,936,492	1,314,408	5,261,553	33,660	64,358	71,930	4,804	61,887	44	123,848
Special Operations Command	443,480	59,583	366,495	0	2,505	14,897	0	0	0	0
Washington Headquarters Services	433,330	156,376	234,477	193	3,721	1,820	9,252	15,345	0	12,146
Department of the Air Force	7,663,785	1,060,126	6,189,097	36,777	19,399	124,706	4,356	212,584	15,815	925
Materiel Command	4,618,615	750,736	3,764,915	2,105	17,847	5,410	4,356	72,321	0	925
Space Command	3,045,170	309,390	2,424,182	34,672	1,552	119,296	0	140,263	15,815	0
Department of the Army	6,640,116	1,223,737	5,210,560	5,960	39,354	23,935	40,488	43,328	0	52,754
Department of the Navy	12,716,662	3,172,120	9,135,483	2,746	210,131	35,446	64,787	76,945	109	18,895
Operational Test and Evaluation, Director	285,760	122,487	121,419	0	9,624	632	0	31,598	0	0
Department of Education	100,561	4,691	6,630	0	58,154	0	30,741	0	345	0

TABLE 49. Federal obligations for development, by agency and performer: FY 2004

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural								
			United States and U.S. territories						Nonprofit FFRDC	State, local governments	Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits				
Department of Energy	2,055,738	231,716	960,503	276,087	56,737	352,726	35,599	141,091	279	1,000	
Bonneville Power Administration	9,298	8,830	0	0	0	0	0	468	0	0	
Energy Efficiency and Renewable Energy	316,956	123,845	0	11,901	32,569	29,287	9,006	110,348	0	0	
Environmental Management	29,950	1	0	5,349	24,081	254	0	265	0	0	
Fossil Energy	294,893	83,097	159,443	0	0	15,260	17,929	17,885	279	1,000	
National Nuclear Security Administration	1,399,793	15,942	800,020	258,837	87	307,925	8,664	8,318	0	0	
Defense Programs	621,532	15,870	153,001	182,906	0	264,161	5,594	0	0	0	
Fissile Materials Disposition	1,001	1	0	0	0	0	0	1,000	0	0	
Naval Reactors	708,557	1	643,881	61,125	0	398	3,070	82	0	0	
Nonproliferation and Verification	68,703	70	3,138	14,806	87	43,366	0	7,236	0	0	
Nuclear Energy	4,848	1	1,040	0	0	0	0	3,807	0	0	
Department of Health and Human Services	141,982	24,297	0	0	30,230	0	22,331	0	65,124	0	
Agency for Healthcare Research and Quality	24,295	24,295	0	0	0	0	0	0	0	0	
Health Resources and Services Administration	30,483	1	0	0	15,338	0	13,379	0	1,765	0	
Substance Abuse and Mental Health Services Administration ^b	87,204	1	0	0	14,892	0	8,952	0	63,359	0	
Department of Homeland Security	532,558	320,270	113,708	23,097	4,857	44,135	24,731	1,604	156	0	
Science and Technology Directorate	507,695	298,101	112,638	23,097	4,290	44,135	23,674	1,604	156	0	
Transportation Security Administration	15,011	15,011	0	0	0	0	0	0	0	0	
U.S. Coast Guard	9,852	7,158	1,070	0	567	0	1,057	0	0	0	
Department of Housing and Urban Development	29,160	18,311	8,990	0	223	0	1,636	0	0	0	
Department of the Interior	58,057	45,596	5,770	0	5,738	0	176	0	747	30	
Bureau of Reclamation	7,101	2,033	4,018	0	826	0	0	0	194	30	
Geological Survey	48,151	43,110	1,541	0	3,013	0	0	0	487	0	
National Park Service	2,805	453	211	0	1,899	0	176	0	66	0	
Department of Justice	58,188	41,115	800	0	2,957	0	3,973	0	9,343	0	
Bureau of Prisons	5,778	100	0	0	0	0	0	0	5,678	0	
Federal Bureau of Investigation	33,952	33,952	0	0	0	0	0	0	0	0	
Office of Justice Programs	18,458	7,063	800	0	2,957	0	3,973	0	3,665	0	
Department of Labor	161,939	161,325	550	0	9	0	55	0	0	0	
Employment and Training Administration	161,000	161,000	0	0	0	0	0	0	0	0	
Office of the Secretary	65	1	0	0	9	0	55	0	0	0	
Pension Benefit Guaranty Corporation	874	324	550	0	0	0	0	0	0	0	
Department of Transportation	269,063	57,486	106,370	0	5,965	55	7,237	210	91,400	340	
Federal Aviation Administration	99,450	31,668	67,782	0	0	0	0	0	0	0	
Federal Highway Administration	121,499	17,814	29,056	0	4,309	50	4,038	210	65,992	30	

TABLE 49. Federal obligations for development, by agency and performer: FY 2004

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
Federal Railroad Administration	4,300	458	2,745	0	1,097	0	0	0	0	0
Federal Transit Administration	4,586	200	4,386	0	0	0	0	0	0	0
Office of the Secretary Pipeline and Hazardous Materials Safety Administration	31,810	5,410	0	0	496	0	496	0	25,408	0
	7,418	1,936	2,401	0	63	5	2,703	0	0	310
Department of the Treasury	1,164	1,164	0	0	0	0	0	0	0	0
Bureau of Engraving and Printing	205	205	0	0	0	0	0	0	0	0
U.S. Mint	959	959	0	0	0	0	0	0	0	0
Department of Veterans Affairs	21,337	21,337	0	0	0	0	0	0	0	0
Other agencies										
Agency for International Development	23,400	2,100	200	0	2,100	0	19,000	0	0	0
Environmental Protection Agency	125,100	85,330	11,453	0	17,799	0	8,865	0	1,308	345
Federal Communications Commission	4,377	4,377	0	0	0	0	0	0	0	0
Library of Congress	1,581	1,581	0	0	0	0	0	0	0	0
National Aeronautics and Space Administration	2,683,052	258,229	766,483	0	509,995	937,203	35,449	0	157,225	18,468

FFRDC = federally funded research and development center.

^a Includes costs associated with administration of intramural and extramural programs by federal personnel and actual intramural performance.

^b 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 C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 50. Preliminary federal obligations for development, by agency and performer: FY 2005

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
All agencies	53,647,931	12,097,508	36,099,768	496,722	1,625,511	1,763,496	483,481	603,497	333,696	144,252
Departments										
Department of Agriculture	190,190	174,603	0	0	14,570	0	664	0	69	284
Agricultural Marketing Service	1,069	1,069	0	0	0	0	0	0	0	0
Agricultural Research Service	110,608	100,175	0	0	9,416	0	664	0	69	284
Animal and Plant Health Inspection Service	25,603	20,449	0	0	5,154	0	0	0	0	0
Forest Service	45,780	45,780	0	0	0	0	0	0	0	0
Grain Inspection, Packers, and Stockyards Administration	7,130	7,130	0	0	0	0	0	0	0	0
Department of Commerce	154,857	71,290	54,679	0	22,474	1,472	4,921	0	0	21
National Institute of Standards and Technology	67,296	12,572	53,355	0	164	0	1,205	0	0	0
National Oceanic and Atmospheric Administration	67,088	38,245	1,324	0	22,310	1,472	3,716	0	0	21
U.S. Census Bureau	20,473	20,473	0	0	0	0	0	0	0	0
Department of Defense	46,001,196	10,341,981	33,409,408	151,444	902,063	366,014	231,937	469,904	5,258	123,187
Defense agencies and activities	13,317,859	2,956,213	9,601,201	105,967	291,814	182,630	43,664	98,335	1,790	36,245
Chemical and Biological Defense	189,116	144,140	41,945	0	1,592	0	600	0	0	839
Defense Advanced Research Projects Agency	1,686,260	246,036	1,221,199	13,319	119,709	51,132	17,115	15,023	0	2,727
Defense Contract Management Agency	16,141	5,915	10,226	0	0	0	0	0	0	0
Defense Information Systems Agency	268,970	50,529	201,219	0	1,579	154	0	15,489	0	0
Defense Logistics Agency	292,411	79,395	175,490	0	21,320	0	13,301	2,905	0	0
Defense Threat Reduction Agency	127,235	44,024	81,991	182	912	0	0	126	0	0
Joint Staff	106,393	106,393	0	0	0	0	0	0	0	0
Missile Defense Agency	7,936,445	1,594,247	6,117,631	45,287	55,508	80,798	2,880	32,992	1,790	5,312
Special Operations Command	594,984	79,937	495,910	0	3,362	15,775	0	0	0	0
Washington Headquarters Services	2,099,904	605,597	1,255,590	47,179	87,832	34,771	9,768	31,800	0	27,367
Department of the Air Force	8,201,567	1,157,405	6,585,585	35,491	55,058	121,504	4,731	238,235	3,359	199
Materiel Command	5,312,052	927,055	4,229,475	147	54,814	6,740	4,731	88,891	0	199
Space Command	2,889,515	230,350	2,356,110	35,344	244	114,764	0	149,344	3,359	0
Department of the Army	8,177,347	1,862,836	5,928,646	5,364	219,993	27,091	77,483	15,702	0	40,232
Department of the Navy	15,994,432	4,234,722	11,163,500	4,622	320,903	33,394	106,059	84,612	109	46,511
Operational Test and Evaluation, Director	309,991	130,805	130,476	0	14,295	1,395	0	33,020	0	0

TABLE 50. Preliminary federal obligations for development, by agency and performer: FY 2005

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
Department of Defense advanced technology	6,719,784	1,765,102	4,093,290	34,820	539,762	93,517	126,514	44,846	0	21,933
Defense agencies and activities	3,509,456	819,879	2,262,239	31,377	228,565	85,788	33,689	29,811	0	18,108
Chemical and Biological Defense	151,533	111,587	37,015	0	1,592	0	500	0	0	839
Defense Advanced Research Projects Agency	1,559,539	208,832	1,131,682	13,319	119,709	51,132	17,115	15,023	0	2,727
Defense Logistics Agency	176,679	57,330	84,988	0	19,860	0	13,301	1,200	0	0
Defense Threat Reduction Agency	117,555	43,024	73,311	182	912	0	0	126	0	0
Missile Defense Agency	202,373	31,660	164,586	410	4,108	1,573	36	0	0	0
Special Operations Command	123,510	16,594	106,218	0	698	0	0	0	0	0
Washington Headquarters Services	1,178,267	350,852	664,439	17,466	81,686	33,083	2,737	13,462	0	14,542
Department of the Air Force	625,649	171,035	416,116	143	32,507	1,700	2,105	1,855	0	188
Materiel Command	625,649	171,035	416,116	143	32,507	1,700	2,105	1,855	0	188
Department of the Army	1,506,263	491,583	782,174	396	181,135	4,891	39,726	3,084	0	3,274
Department of the Navy	1,063,849	278,430	627,810	2,904	93,209	396	50,994	9,743	0	363
Operational Test and Evaluation, Director	14,567	4,175	4,951	0	4,346	742	0	353	0	0
Department of Defense major systems	39,281,412	8,576,879	29,316,118	116,624	362,301	272,497	105,423	425,058	5,258	101,254
Defense agencies and activities	9,808,403	2,136,334	7,338,962	74,590	63,249	96,842	9,975	68,524	1,790	18,137
Chemical and Biological Defense	37,583	32,553	4,930	0	0	0	100	0	0	0
Defense Advanced Research Projects Agency	126,721	37,204	89,517	0	0	0	0	0	0	0
Defense Contract Management Agency	16,141	5,915	10,226	0	0	0	0	0	0	0
Defense Information Systems Agency	268,970	50,529	201,219	0	1,579	154	0	15,489	0	0
Defense Logistics Agency	115,732	22,065	90,502	0	1,460	0	0	1,705	0	0
Defense Threat Reduction Agency	9,680	1,000	8,680	0	0	0	0	0	0	0
Joint Staff	106,393	106,393	0	0	0	0	0	0	0	0
Missile Defense Agency	7,734,072	1,562,587	5,953,045	44,877	51,400	79,225	2,844	32,992	1,790	5,312
Special Operations Command	471,474	63,343	389,692	0	2,664	15,775	0	0	0	0
Washington Headquarters Services	921,637	254,745	591,151	29,713	6,146	1,688	7,031	18,338	0	12,825
Department of the Air Force	7,575,918	986,370	6,169,469	35,348	22,551	119,804	2,626	236,380	3,359	11
Materiel Command	4,686,403	756,020	3,813,359	4	22,307	5,040	2,626	87,036	0	11
Space Command	2,889,515	230,350	2,356,110	35,344	244	114,764	0	149,344	3,359	0
Department of the Army	6,671,084	1,371,253	5,146,472	4,968	38,858	22,200	37,757	12,618	0	36,958
Department of the Navy	14,930,583	3,956,292	10,535,690	1,718	227,694	32,998	55,065	74,869	109	46,148
Operational Test and Evaluation, Director	295,424	126,630	125,525	0	9,949	653	0	32,667	0	0

TABLE 50. Preliminary federal obligations for development, by agency and performer: FY 2005

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
Department of Education	100,625	6,272	7,626	0	50,869	0	35,595	0	263	0
Department of Energy	2,575,932	233,523	1,511,382	309,377	29,866	333,292	31,735	125,657	300	800
Bonneville Power Administration	9,183	8,696	0	0	0	0	0	487	0	0
Energy Efficiency and Renewable Energy	286,011	111,753	0	10,739	29,389	26,427	8,127	99,576	0	0
Environmental Management	37,958	1	6,833	30,366	379	379	0	0	0	0
Fossil Energy	860,974	82,970	726,721	0	0	16,003	16,945	17,235	300	800
National Nuclear Security Administration	1,380,406	30,102	777,828	268,272	98	290,483	6,663	6,960	0	0
Defense Programs	580,654	29,276	102,274	190,571	0	253,570	4,963	0	0	0
Naval Reactors	741,372	1	673,154	66,026	0	408	1,700	83	0	0
Nonproliferation and Verification	58,380	825	2,400	11,675	98	36,505	0	6,877	0	0
Nuclear Energy	1,400	1	0	0	0	0	0	1,399	0	0
Department of Health and Human Services	149,665	25,498	0	0	35,120	9,999	9,162	5,221	64,665	0
Agency for Healthcare Research and Quality	25,496	25,496	0	0	0	0	0	0	0	0
Health Resources and Services Administration	35,221	1	0	0	20,000	9,999	0	5,221	0	0
Substance Abuse and Mental Health Services Administration ^b	88,948	1	0	0	15,120	0	9,162	0	64,665	0
Department of Homeland Security	840,075	504,283	183,183	35,901	6,668	68,599	38,705	2,494	242	0
Science and Technology Directorate	789,120	461,435	175,076	35,901	6,668	68,599	38,705	2,494	242	0
Transportation Security Administration	35,171	35,171	0	0	0	0	0	0	0	0
U.S. Coast Guard	15,784	7,677	8,107	0	0	0	0	0	0	0
Department of Housing and Urban Development	29,461	18,500	9,082	0	225	0	1,654	0	0	0
Department of the Interior	56,733	39,916	6,416	0	5,462	0	127	0	4,776	36
Bureau of Reclamation	8,927	2,758	5,053	0	839	0	0	0	241	36
Geological Survey	45,773	36,830	1,210	0	3,246	0	0	0	4,487	0
National Park Service	2,033	328	153	0	1,377	0	127	0	48	0
Department of Justice	60,629	41,459	920	0	2,800	0	5,000	0	10,450	0
Bureau of Prisons	5,850	100	0	0	0	0	0	0	5,750	0
Federal Bureau of Investigation	33,509	33,509	0	0	0	0	0	0	0	0
Office of Justice Programs	21,270	7,850	920	0	2,800	0	5,000	0	4,700	0
Department of Labor	191,410	190,321	1,025	0	10	0	54	0	0	0
Employment and Training Administration	190,000	190,000	0	0	0	0	0	0	0	0
Office of the Secretary	65	1	0	0	10	0	54	0	0	0
Pension Benefit Guaranty Corporation	1,345	320	1,025	0	0	0	0	0	0	0

TABLE 50. Preliminary federal obligations for development, by agency and performer: FY 2005

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural								
			United States and U.S. territories								Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments		
Department of Transportation	245,507	45,376	98,135	0	10,085	56	10,220	221	81,208	206	
Federal Aviation Administration	83,624	13,380	70,244	0	0	0	0	0	0	0	
Federal Highway Administration	108,966	23,210	11,654	0	4,111	56	4,376	221	65,308	30	
Federal Railroad Administration	4,486	325	3,653	0	333	0	0	0	0	175	
Federal Transit Administration	7,277	506	6,771	0	0	0	0	0	0	0	
Office of the Secretary	20,994	5,094	0	0	0	0	0	0	15,900	0	
Pipeline and Hazardous Materials Safety Administration	18,513	1,462	5,718	0	5,641	0	5,691	0	0	1	
Research and Innovative Technology Administration	1,647	1,399	95	0	0	0	153	0	0	0	
Department of the Treasury	4,680	4,680	0	0	0	0	0	0	0	0	
Bureau of Engraving and Printing	580	580	0	0	0	0	0	0	0	0	
U.S. Mint	4,100	4,100	0	0	0	0	0	0	0	0	
Department of Veterans Affairs	21,169	21,169	0	0	0	0	0	0	0	0	
Other agencies											
Agency for International Development	21,500	2,000	200	0	2,500	0	16,800	0	0	0	
Environmental Protection Agency	140,900	96,094	12,904	0	20,055	0	9,988	0	1,474	385	
Federal Communications Commission	2,525	2,525	0	0	0	0	0	0	0	0	
Library of Congress	6,879	6,879	0	0	0	0	0	0	0	0	
National Aeronautics and Space Administration	2,853,998	271,139	804,808	0	522,744	984,064	86,919	0	164,991	19,333	

FFRDC = federally funded research and development center.

^a Includes costs associated with administration of intramural and extramural programs by federal personnel and actual intramural performance.

^b 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 C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 51. Preliminary federal obligations for development, by agency and performer: FY 2006

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural								
			United States and U.S. territories						Nonprofit FFRDC	State, local governments	Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits				
All agencies	53,415,031	11,517,122	36,929,180	421,578	1,361,999	1,758,360	388,108	603,203	329,069	106,412	
Departments											
Department of Agriculture	173,987	164,714	0	0	8,510	0	498	0	52	213	
Agricultural Marketing Service	1,000	1,000	0	0	0	0	0	0	0	0	
Agricultural Research Service	99,611	94,699	0	0	4,149	0	498	0	52	213	
Animal and Plant Health Inspection Service	22,567	18,206	0	0	4,361	0	0	0	0	0	
Forest Service	42,280	42,280	0	0	0	0	0	0	0	0	
Grain Inspection, Packers, and Stockyards Administration	8,529	8,529	0	0	0	0	0	0	0	0	
Department of Commerce	91,307	67,079	1,565	0	18,530	1,620	2,326	0	0	187	
National Institute of Standards and Technology	6,611	6,108	332	0	171	0	0	0	0	0	
National Oceanic and Atmospheric Administration	60,268	36,543	1,233	0	18,359	1,620	2,326	0	0	187	
U.S. Census Bureau	24,428	24,428	0	0	0	0	0	0	0	0	
Department of Defense	46,375,572	9,779,721	34,865,105	90,896	630,724	310,678	148,063	460,898	4,886	84,601	
Defense agencies and activities	12,165,502	2,594,459	8,911,509	53,519	245,739	167,079	51,428	95,254	1,276	45,239	
Chemical and Biological Defense	333,576	226,694	100,349	0	3,499	0	1,203	0	0	1,831	
Defense Advanced Research Projects Agency	1,605,063	244,776	1,142,830	13,224	118,852	50,766	16,993	14,915	0	2,707	
Defense Contract Management Agency	23,795	6,103	17,692	0	0	0	0	0	0	0	
Defense Information Systems Agency	307,359	56,461	235,538	0	1,464	88	0	13,808	0	0	
Defense Logistics Agency	121,479	41,969	59,892	0	1,469	0	14,999	3,150	0	0	
Defense Threat Reduction Agency	96,276	4,055	92,221	0	0	0	0	0	0	0	
Joint Staff	92,385	92,385	0	0	0	0	0	0	0	0	
Missile Defense Agency	7,833,555	1,350,427	6,332,825	8,151	33,343	58,112	0	26,865	1,276	22,556	
Special Operations Command	409,735	55,047	335,997	0	2,315	16,376	0	0	0	0	
Washington Headquarters Services	1,342,279	516,542	594,165	32,144	84,797	41,737	18,233	36,516	0	18,145	
Department of the Air Force	9,316,747	1,355,502	7,558,691	30,600	33,662	80,162	5,229	249,314	3,500	87	
Materiel Command	5,670,735	1,117,434	4,421,748	758	33,302	3,350	5,229	88,827	0	87	
Space Command	3,646,012	238,068	3,136,943	29,842	360	76,812	0	160,487	3,500	0	
Department of the Army	7,890,783	1,454,377	6,343,981	3,222	35,125	24,559	8,222	21,031	0	266	
Department of the Navy	16,823,901	4,298,910	11,975,079	3,555	310,000	38,449	83,184	75,605	110	39,009	
Operational Test and Evaluation, Director	178,639	76,473	75,845	0	6,198	429	0	19,694	0	0	

TABLE 51. Preliminary federal obligations for development, by agency and performer: FY 2006

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural								
			United States and U.S. territories						Nonprofit FFRDC	State, local governments	Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits				
Department of Defense advanced technology	4,872,055	1,362,484	2,951,026	35,201	298,017	96,371	78,138	40,179	0	10,639	
Defense agencies and activities	2,849,361	750,894	1,697,928	32,658	199,886	90,527	37,935	29,503	0	10,030	
Chemical and Biological Defense	241,177	198,578	36,203	0	3,474	0	1,091	0	0	1,831	
Defense Advanced Research Projects Agency	1,548,378	207,337	1,123,584	13,224	118,852	50,766	16,993	14,915	0	2,707	
Defense Logistics Agency	62,534	27,766	17,769	0	750	0	14,999	1,250	0	0	
Defense Threat Reduction Agency	95,536	4,005	91,531	0	0	0	0	0	0	0	
Missile Defense Agency	139,542	22,836	115,567	0	1,139	0	0	0	0	0	
Special Operations Command	103,829	13,949	89,294	0	586	0	0	0	0	0	
Washington Headquarters Services	658,365	276,423	223,980	19,434	75,085	39,761	4,852	13,338	0	5,492	
Department of the Air Force	482,918	174,448	288,086	58	16,807	958	860	1,614	0	87	
Materiel Command	482,918	174,448	288,086	58	16,807	958	860	1,614	0	87	
Department of the Army	791,831	235,560	529,854	440	15,427	4,572	3,439	2,273	0	266	
Department of the Navy	747,257	201,385	434,924	2,045	65,692	279	35,904	6,772	0	256	
Operational Test and Evaluation, Director	688	197	234	0	205	35	0	17	0	0	
Department of Defense major systems	41,503,517	8,417,237	31,914,079	55,695	332,707	214,307	69,925	420,719	4,886	73,962	
Defense agencies and activities	9,316,141	1,843,565	7,213,581	20,861	45,853	76,552	13,493	65,751	1,276	35,209	
Chemical and Biological Defense	92,399	28,116	64,146	0	25	0	112	0	0	0	
Defense Advanced Research Projects Agency	56,685	37,439	19,246	0	0	0	0	0	0	0	
Defense Contract Management Agency	23,795	6,103	17,692	0	0	0	0	0	0	0	
Defense Information Systems Agency	307,359	56,461	235,538	0	1,464	88	0	13,808	0	0	
Defense Logistics Agency	58,945	14,203	42,123	0	719	0	0	1,900	0	0	
Defense Threat Reduction Agency	740	50	690	0	0	0	0	0	0	0	
Joint Staff	92,385	92,385	0	0	0	0	0	0	0	0	
Missile Defense Agency	7,694,013	1,327,591	6,217,258	8,151	32,204	58,112	0	26,865	1,276	22,556	
Special Operations Command	305,906	41,098	246,703	0	1,729	16,376	0	0	0	0	
Washington Headquarters Services	683,914	240,119	370,185	12,710	9,712	1,976	13,381	23,178	0	12,653	
Department of the Air Force	8,833,829	1,181,054	7,270,605	30,542	16,855	79,204	4,369	247,700	3,500	0	
Materiel Command	5,187,817	942,986	4,133,662	700	16,495	2,392	4,369	87,213	0	0	
Space Command	3,646,012	238,068	3,136,943	29,842	360	76,812	0	160,487	3,500	0	
Department of the Army	7,098,952	1,218,817	5,814,127	2,782	19,698	19,987	4,783	18,758	0	0	
Department of the Navy	16,076,644	4,097,525	11,540,155	1,510	244,308	38,170	47,280	68,833	110	38,753	
Operational Test and Evaluation, Director	177,951	76,276	75,611	0	5,993	394	0	19,677	0	0	

TABLE 51. Preliminary federal obligations for development, by agency and performer: FY 2006

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural							Foreign
			United States and U.S. territories						State, local governments	
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC		
Department of Education	89,989	6,548	7,187	0	61,745	0	14,315	0	194	0
Department of Energy	1,980,511	229,186	905,792	294,628	33,889	343,777	32,885	139,254	800	300
Bonneville Power Administration	9,550	8,920	0	0	0	0	0	630	0	0
Energy Efficiency and Renewable Energy	324,667	126,857	0	12,191	33,362	29,999	9,226	113,032	0	0
Environmental Management	42,972	1	7,735	34,377	429	430	0	0	0	0
Fossil Energy	265,580	79,670	134,861	0	0	15,346	17,471	17,132	800	300
National Nuclear Security Administration	1,336,242	13,737	763,196	248,060	98	298,002	6,188	6,961	0	0
Defense Programs	556,854	12,911	99,196	179,085	0	261,074	4,588	0	0	0
Naval Reactors	721,008	1	661,600	57,300	0	423	1,600	84	0	0
Nonproliferation and Verification	58,380	825	2,400	11,675	98	36,505	0	6,877	0	0
Nuclear Energy	1,500	1	0	0	0	0	0	1,499	0	0
Department of Health and Human Services	120,231	25,498	0	0	17,423	0	10,345	0	66,965	0
Agency for Healthcare Research and Quality	25,496	25,496	0	0	0	0	0	0	0	0
Health Resources and Services Administration	4,008	1	0	0	2,000	0	1,000	0	1,007	0
Substance Abuse and Mental Health Services Administration ^b	90,727	1	0	0	15,423	0	9,345	0	65,958	0
Department of Homeland Security	829,723	500,645	175,820	36,054	6,697	68,891	38,869	2,504	243	0
Science and Technology Directorate	792,473	463,395	175,820	36,054	6,697	68,891	38,869	2,504	243	0
Transportation Security Administration	37,250	37,250	0	0	0	0	0	0	0	0
Department of Housing and Urban Development	26,951	14,413	11,075	0	176	0	1,287	0	0	0
Department of the Interior	65,946	51,272	4,897	0	5,008	0	85	0	4,662	22
Bureau of Reclamation	6,473	2,794	2,913	0	602	0	0	0	142	22
Geological Survey	58,098	48,257	1,880	0	3,474	0	0	0	4,487	0
National Park Service	1,375	221	104	0	932	0	85	0	33	0
Department of Justice	67,166	43,416	2,000	0	3,000	0	13,000	0	5,750	0
Bureau of Prisons	5,850	100	0	0	0	0	0	0	5,750	0
Federal Bureau of Investigation	34,316	34,316	0	0	0	0	0	0	0	0
Office of Justice Programs	27,000	9,000	2,000	0	3,000	0	13,000	0	0	0
Department of Labor	196,765	195,330	1,400	0	10	0	25	0	0	0
Employment and Training Administration	195,000	195,000	0	0	0	0	0	0	0	0
Office of the Secretary	36	1	0	0	10	0	25	0	0	0
Pension Benefit Guaranty Corporation	1,729	329	1,400	0	0	0	0	0	0	0

TABLE 51. Preliminary federal obligations for development, by agency and performer: FY 2006

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
Department of Transportation	239,148	49,001	98,742	0	8,822	127	10,335	547	71,094	480
Federal Aviation Administration	72,010	13,581	58,429	0	0	0	0	0	0	0
Federal Highway Administration	140,560	26,551	33,709	0	5,252	127	7,286	547	67,058	30
Federal Railroad Administration	3,664	325	2,224	0	665	0	0	0	0	450
Federal Transit Administration	2,027	527	1,500	0	0	0	0	0	0	0
Office of the Secretary	9,030	4,994	0	0	0	0	0	0	4,036	0
Pipeline and Hazardous Materials Safety Administration	9,775	1,585	2,730	0	2,730	0	2,730	0	0	0
Research and Innovative Technology Administration	2,082	1,438	150	0	175	0	319	0	0	0
Department of the Treasury	4,930	4,930	0	0	0	0	0	0	0	0
Bureau of Engraving and Printing	590	590	0	0	0	0	0	0	0	0
U.S. Mint	4,340	4,340	0	0	0	0	0	0	0	0
Department of Veterans Affairs	20,677	20,677	0	0	0	0	0	0	0	0
Other agencies										
Agency for International Development	21,500	2,000	200	0	2,500	0	16,800	0	0	0
Environmental Protection Agency	113,000	77,066	10,349	0	16,084	0	8,010	0	1,182	309
Federal Communications Commission	473	473	0	0	0	0	0	0	0	0
Library of Congress	457	457	0	0	0	0	0	0	0	0
National Aeronautics and Space Administration	2,996,698	284,696	845,048	0	548,881	1,033,267	91,265	0	173,241	20,300

FFRDC = federally funded research and development center.

^a Includes costs associated with administration of intramural and extramural programs by federal personnel and actual intramural performance.

^b 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 C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 52. Federal funds for R&D plant, by agency: FY 2004–06
(Dollars in thousands)

Agency	Obligations			Outlays		
	2004	Preliminary		2004	Preliminary	
		2005	2006		2005	2006
All agencies	3,994,152	3,924,126	3,681,878	3,855,591	3,892,600	3,665,655
Departments						
Department of Agriculture	179,438	199,897	83,198	113,184	130,668	141,600
Agricultural Research Service	160,542	186,335	64,800	94,184	116,668	123,600
Forest Service	18,896	13,562	18,398	19,000	14,000	18,000
Department of Commerce	89,686	97,911	72,646	80,248	62,973	40,885
National Institute of Standards and Technology	37,422	47,270	58,898	49,248	19,973	26,885
National Oceanic and Atmospheric Administration	52,264	50,641	13,748	31,000	43,000	14,000
Department of Defense	274,656	331,544	302,994	187,715	275,855	181,755
Defense agencies and activities	121,092	174,897	34,200	66,601	138,575	37,642
Missile Defense Agency	121,092	174,897	34,200	66,601	138,575	37,642
Department of the Air Force	19,489	17,914	133,388	9,660	9,454	9,769
Materiel Command	19,489	17,914	133,388	9,660	9,454	9,769
Department of the Navy	134,075	138,733	135,406	111,454	127,826	134,344
Department of Energy	1,006,778	874,124	826,001	1,025,940	888,298	840,957
Energy Efficiency and Renewable Energy	19,762	22,400	34,805	19,762	22,400	34,805
Fossil Energy	6,200	6,318	1,025	5,995	6,079	2,113
National Nuclear Security Administration	436,130	298,389	288,286	425,913	310,155	302,154
Defense Programs	407,752	265,508	254,974	407,752	265,508	254,974
Naval Reactors	28,378	32,881	33,312	18,161	44,647	47,180
Office of Science	544,686	547,017	501,885	574,270	549,664	501,885
Department of Health and Human Services	430,574	297,353	123,100	428,585	299,248	122,683
Food and Drug Administration	8,538	0	2,653	6,549	1,895	2,236
Health Resources and Services Administration	634	639	644	634	639	644
National Institutes of Health	421,402	296,714	119,803	421,402	296,714	119,803
Department of Homeland Security	117,249	181,690	181,461	56,328	150,593	181,077
Science and Technology Directorate	116,253	180,694	181,461	55,332	149,597	181,077
U.S. Coast Guard	996	996	0	996	996	0
Department of the Interior	7,906	7,815	7,315	7,645	7,763	7,315
Bureau of Reclamation	5,339	5,250	4,750	5,339	5,250	4,750
Minerals Management Service	2,567	2,565	2,565	2,306	2,513	2,565
Department of Transportation	17,721	18,727	19,412	14,799	16,066	18,187
Federal Aviation Administration	16,403	17,162	18,100	14,000	15,000	17,000
Federal Railroad Administration	1,318	1,565	1,312	799	1,066	1,187
Department of Veterans Affairs	347	296	290	347	296	290
Other agencies						
General Services Administration	0	0	47	0	0	74
National Aeronautics and Space Administration ^a	1,471,639	1,543,921	1,619,961	1,580,800	1,659,840	1,742,832
National Science Foundation	395,358	362,348	429,353	357,000	392,000	371,000
Smithsonian Institution	2,800	8,500	16,100	3,000	9,000	17,000

NOTES: Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 53. Federal obligations for R&D plant, by agency and R&D performer: FY 2004

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural								
			United States and U.S. territories						Nonprofit FFRDC	State, local governments	Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits				
All agencies	3,994,152	961,349	1,441,994	188,259	354,290	603,868	164,452	252,443	15,808	11,689	
Departments											
Department of Agriculture	179,438	179,438	0	0	0	0	0	0	0	0	
Agricultural Research Service	160,542	160,542	0	0	0	0	0	0	0	0	
Forest Service	18,896	18,896	0	0	0	0	0	0	0	0	
Department of Commerce	89,686	47,124	22,422	0	20,140	0	0	0	0	0	
National Institute of Standards and Technology	37,422	37,422	0	0	0	0	0	0	0	0	
National Oceanic and Atmospheric Administration	52,264	9,702	22,422	0	20,140	0	0	0	0	0	
Department of Defense	274,656	130,985	142,025	0	1,646	0	0	0	0	0	
Defense agencies and activities	121,092	0	121,092	0	0	0	0	0	0	0	
Missile Defense Agency	121,092	0	121,092	0	0	0	0	0	0	0	
Department of the Air Force	19,489	12,379	7,110	0	0	0	0	0	0	0	
Materiel Command	19,489	12,379	7,110	0	0	0	0	0	0	0	
Department of the Navy	134,075	118,606	13,823	0	1,646	0	0	0	0	0	
Department of Energy	1,006,778	6,870	40,082	182,970	4,351	519,131	1,600	251,774	0	0	
Energy Efficiency and Renewable Energy	19,762	0	0	669	0	1,714	0	17,379	0	0	
Fossil Energy	6,200	0	6,200	0	0	0	0	0	0	0	
National Nuclear Security Administration	436,130	6,830	32,891	158,220	0	238,189	0	0	0	0	
Defense Programs	407,752	6,830	5,213	157,520	0	238,189	0	0	0	0	
Naval Reactors	28,378	0	27,678	700	0	0	0	0	0	0	
Office of Science	544,686	40	991	24,081	4,351	279,228	1,600	234,395	0	0	
Department of Health and Human Services	430,574	296,951	3,700	0	117,257	0	12,666	0	0	0	
Food and Drug Administration	8,538	8,538	0	0	0	0	0	0	0	0	
Health Resources and Services Administration	634	634	0	0	0	0	0	0	0	0	
National Institutes of Health	421,402	287,779	3,700	0	117,257	0	12,666	0	0	0	
Department of Homeland Security	117,249	68,845	25,792	5,289	1,328	10,106	5,522	367	0	0	
Science and Technology Directorate	116,253	68,195	25,792	5,289	982	10,106	5,522	367	0	0	
U.S. Coast Guard	996	650	0	0	346	0	0	0	0	0	
Department of the Interior	7,906	0	7,906	0	0	0	0	0	0	0	
Bureau of Reclamation	5,339	0	5,339	0	0	0	0	0	0	0	
Minerals Management Service	2,567	0	2,567	0	0	0	0	0	0	0	

TABLE 53. Federal obligations for R&D plant, by agency and R&D performer: FY 2004

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
Department of Transportation	17,721	0	17,721	0	0	0	0	0	0	0
Federal Aviation Administration	16,403	0	16,403	0	0	0	0	0	0	0
Federal Railroad Administration	1,318	0	1,318	0	0	0	0	0	0	0
Department of Veterans Affairs	347	347	0	0	0	0	0	0	0	0
Other agencies										
National Aeronautics and Space Administration	1,471,639	218,491	1,128,206	0	3,939	1,225	92,431	0	15,658	11,689
National Science Foundation	395,358	9,498	54,140	0	205,629	73,406	52,233	302	150	0
Smithsonian Institution	2,800	2,800	0	0	0	0	0	0	0	0

FFRDC = federally funded research and development center.

^a Includes costs associated with administration of intramural and extramural programs by federal personnel and actual intramural performance.

NOTES: Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 54. Preliminary federal obligations for R&D plant, by agency and R&D performer: FY 2005

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural									
			United States and U.S. territories						Other nonprofits	Nonprofit FFRDC	State, local governments	Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC						
All agencies	3,924,126	938,087	1,573,649	127,731	295,770	563,910	163,491	232,596	16,619	12,273		
Departments												
Department of Agriculture	199,897	199,897	0	0	0	0	0	0	0	0		
Agricultural Research Service	186,335	186,335	0	0	0	0	0	0	0	0		
Forest Service	13,562	13,562	0	0	0	0	0	0	0	0		
Department of Commerce	97,911	47,570	36,093	0	14,248	0	0	0	0	0		
National Institute of Standards and Technology	47,270	47,270	0	0	0	0	0	0	0	0		
National Oceanic and Atmospheric Administration	50,641	300	36,093	0	14,248	0	0	0	0	0		
Department of Defense	331,544	133,663	196,280	0	1,601	0	0	0	0	0		
Defense agencies and activities	174,897	0	174,897	0	0	0	0	0	0	0		
Missile Defense Agency	174,897	0	174,897	0	0	0	0	0	0	0		
Department of the Air Force	17,914	10,354	7,560	0	0	0	0	0	0	0		
Materiel Command	17,914	10,354	7,560	0	0	0	0	0	0	0		
Department of the Navy	138,733	123,309	13,823	0	1,601	0	0	0	0	0		
Department of Energy	874,124	450	37,899	119,510	2,828	479,639	2,050	231,748	0	0		
Energy Efficiency and Renewable Energy	22,400	0	0	647	0	1,657	0	20,096	0	0		
Fossil Energy	6,318	0	6,318	0	0	0	0	0	0	0		
National Nuclear Security Administration	298,389	0	29,081	91,205	0	178,103	0	0	0	0		
Defense Programs	265,508	0	0	87,405	0	178,103	0	0	0	0		
Naval Reactors	32,881	0	29,081	3,800	0	0	0	0	0	0		
Office of Science	547,017	450	2,500	27,658	2,828	299,879	2,050	211,652	0	0		
Department of Health and Human Services	297,353	203,268	2,605	0	82,562	0	8,918	0	0	0		
Health Resources and Services Administration	639	639	0	0	0	0	0	0	0	0		
National Institutes of Health	296,714	202,629	2,605	0	82,562	0	8,918	0	0	0		
Department of Homeland Security	181,690	106,304	40,089	8,221	1,878	15,708	8,863	571	56	0		
Science and Technology Directorate	180,694	105,659	40,089	8,221	1,527	15,708	8,863	571	56	0		
U.S. Coast Guard	996	645	0	0	351	0	0	0	0	0		
Department of the Interior	7,815	20	7,795	0	0	0	0	0	0	0		
Bureau of Reclamation	5,250	0	5,250	0	0	0	0	0	0	0		
Minerals Management Service	2,565	20	2,545	0	0	0	0	0	0	0		

TABLE 54. Preliminary federal obligations for R&D plant, by agency and R&D performer: FY 2005

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural									
			United States and U.S. territories						Other nonprofits	Nonprofit FFRDC	State, local governments	Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC						
Department of Transportation	18,727	0	18,727	0	0	0	0	0	0	0	0	
Federal Aviation Administration	17,162	0	17,162	0	0	0	0	0	0	0	0	
Federal Railroad Administration	1,565	0	1,565	0	0	0	0	0	0	0	0	
Department of Veterans Affairs	296	296	0	0	0	0	0	0	0	0	0	
Other agencies												
National Aeronautics and Space Administration	1,543,921	229,414	1,184,541	0	4,193	1,286	95,788	0	16,426	12,273	0	
National Science Foundation	362,348	8,705	49,620	0	188,460	67,277	47,872	277	137	0	0	
Smithsonian Institution	8,500	8,500	0	0	0	0	0	0	0	0	0	

FFRDC = federally funded research and development center.

^a Includes costs associated with administration of intramural and extramural programs by federal personnel and actual intramural performance.

NOTES: Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 55. Preliminary federal obligations for R&D plant, by agency and R&D performer: FY 2006

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
All agencies	3,681,878	859,508	1,486,837	89,050	280,633	566,692	169,729	199,077	17,465	12,887
Departments										
Department of Agriculture	83,198	83,198	0	0	0	0	0	0	0	0
Agricultural Research Service	64,800	64,800	0	0	0	0	0	0	0	0
Forest Service	18,398	18,398	0	0	0	0	0	0	0	0
Department of Commerce	72,646	58,898	0	0	13,748	0	0	0	0	0
National Institute of Standards and Technology	58,898	58,898	0	0	0	0	0	0	0	0
National Oceanic and Atmospheric Administration	13,748	0	0	0	13,748	0	0	0	0	0
Department of Defense	302,994	245,582	55,811	0	1,601	0	0	0	0	0
Defense agencies and activities	34,200	0	34,200	0	0	0	0	0	0	0
Missile Defense Agency	34,200	0	34,200	0	0	0	0	0	0	0
Department of the Air Force	133,388	125,600	7,788	0	0	0	0	0	0	0
Materiel Command	133,388	125,600	7,788	0	0	0	0	0	0	0
Department of the Navy	135,406	119,982	13,823	0	1,601	0	0	0	0	0
Department of Energy	826,001	13,000	60,443	80,794	2,591	469,848	1,149	198,176	0	0
Energy Efficiency and Renewable Energy	34,805	0	0	674	0	1,728	0	32,403	0	0
Fossil Energy	1,025	0	1,025	0	0	0	0	0	0	0
National Nuclear Security Administration	288,286	13,000	57,596	70,177	0	147,513	0	0	0	0
Defense Programs	254,974	13,000	24,284	70,177	0	147,513	0	0	0	0
Naval Reactors	33,312	0	33,312	0	0	0	0	0	0	0
Office of Science	501,885	0	1,822	9,943	2,591	320,607	1,149	165,773	0	0
Department of Health and Human Services	123,100	85,111	1,052	0	33,335	0	3,602	0	0	0
Food and Drug Administration	2,653	2,653	0	0	0	0	0	0	0	0
Health Resources and Services Administration	644	644	0	0	0	0	0	0	0	0
National Institutes of Health	119,803	81,814	1,052	0	33,335	0	3,602	0	0	0
Department of Homeland Security	181,461	106,109	40,259	8,256	1,533	15,775	8,900	573	56	0
Science and Technology Directorate	181,461	106,109	40,259	8,256	1,533	15,775	8,900	573	56	0
Department of the Interior	7,315	20	7,295	0	0	0	0	0	0	0
Bureau of Reclamation	4,750	0	4,750	0	0	0	0	0	0	0
Minerals Management Service	2,565	20	2,545	0	0	0	0	0	0	0

TABLE 55. Preliminary federal obligations for R&D plant, by agency and R&D performer: FY 2006

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
Department of Transportation	19,412	0	19,412	0	0	0	0	0	0	0
Federal Aviation Administration	18,100	0	18,100	0	0	0	0	0	0	0
Federal Railroad Administration	1,312	0	1,312	0	0	0	0	0	0	0
Department of Veterans Affairs	290	290	0	0	0	0	0	0	0	0
Other agencies										
General Services Administration	47	0	0	0	47	0	0	0	0	0
National Aeronautics and Space Administration	1,619,961	240,885	1,243,769	0	4,468	1,351	99,354	0	17,247	12,887
National Science Foundation	429,353	10,315	58,796	0	223,310	79,718	56,724	328	162	0
Smithsonian Institution	16,100	16,100	0	0	0	0	0	0	0	0

FFRDC = federally funded research and development center.

^a Includes costs associated with administration of intramural and extramural programs by federal personnel and actual intramural performance.

NOTES: Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 56. Federal obligations for research performed at universities and colleges for selected agencies, by detailed field of science and engineering: FY 2004–06
(Dollars in thousands)

Field	2004	Preliminary	
		2005	2006
All fields	22,113,414	22,699,408	22,376,455
Environmental sciences	1,126,621	1,091,288	1,100,184
Atmospheric sciences	260,570	NA	NA
Geological sciences	213,525	NA	NA
Oceanography	306,333	NA	NA
Environmental sciences, nec	346,193	NA	NA
Life sciences	14,218,564	14,665,276	14,433,445
Agricultural sciences	296,787	NA	NA
Biological sciences (excluding environmental biology)	7,046,919	NA	NA
Environmental biology	222,111	NA	NA
Medical sciences	5,690,868	NA	NA
Life sciences, nec	961,879	NA	NA
Mathematics and computer sciences	1,077,050	1,108,151	1,130,022
Computer sciences	738,775	NA	NA
Mathematics	322,989	NA	NA
Mathematics and computer sciences, nec	15,286	NA	NA
Physical sciences	1,619,754	1,613,199	1,568,807
Astronomy	191,513	NA	NA
Chemistry	568,524	NA	NA
Physics	627,045	NA	NA
Physical sciences, nec	232,672	NA	NA
Psychology	973,968	998,276	1,008,977
Biological aspects	1,881	NA	NA
Social aspects	6,163	NA	NA
Psychological sciences, nec	965,924	NA	NA
Social sciences	382,190	387,318	374,023
Anthropology	9,760	NA	NA
Economics	61,708	NA	NA
Political science	6,477	NA	NA
Sociology	15,313	NA	NA
Social sciences, nec	288,932	NA	NA
Other sciences, nec	810,220	826,555	834,917
Engineering	1,905,047	2,009,345	1,926,080
Aeronautical engineering	186,727	NA	NA
Astronautical engineering	65,176	NA	NA
Chemical engineering	88,971	NA	NA
Civil engineering	63,803	NA	NA
Electrical engineering	220,439	NA	NA
Mechanical engineering	64,839	NA	NA
Metallurgy and materials engineering	268,140	NA	NA
Engineering, nec	946,952	NA	NA

NA = not available (data collected for this table were not recorded at that level in that particular fiscal year).
nec = not elsewhere classified.

NOTES: Seven agencies are required to report data for this section of survey: Departments of Agriculture, Defense, Energy, Health and Human Services, and Homeland Security; National Aeronautics and Space Administration; and National Science Foundation. Research obligations of these seven agencies represented approximately 98% of total federal research obligations to universities and colleges in FY 2004, 2005, and 2006. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 57. Federal obligations for research performed at universities and colleges, by selected agency and field of science and engineering: FY 2004

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
All agencies	22,113,414	1,126,621	14,218,564	1,077,050	1,619,754	973,968	382,190	810,220	1,905,047
Departments									
Department of Agriculture	637,823	9,317	535,901	888	21,574	0	54,181	640	15,322
Agricultural Marketing Service	215	0	215	0	0	0	0	0	0
Agricultural Research Service	83,641	369	76,840	109	5,571	0	0	0	752
Cooperative State Research, Education, and Extension Service	522,293	8,200	439,068	0	15,427	0	46,561	0	13,037
Economic Research Service	5,112	0	0	0	0	0	5,112	0	0
Foreign Agricultural Service	707	0	707	0	0	0	0	0	0
Forest Service	25,415	748	19,071	445	576	0	2,402	640	1,533
National Agricultural Statistics Service	334	0	0	334	0	0	0	0	0
Rural Business-Cooperative Service	106	0	0	0	0	0	106	0	0
Department of Defense	1,281,634	124,984	187,589	229,357	165,081	4,583	246	16,050	553,744
Defense agencies and activities	385,715	3,808	74,008	126,407	31,167	2,458	0	1,425	146,442
Chemical and Biological Defense	10,102	0	8,282	70	1,750	0	0	0	0
Defense Advanced Research Projects Agency	315,776	660	44,759	119,489	23,127	506	0	0	127,235
Defense Threat Reduction Agency	5,686	0	650	60	1,412	0	0	1,425	2,139
Special Operations Command	84	0	84	0	0	0	0	0	0
Washington Headquarters Services	54,067	3,148	20,233	6,788	4,878	1,952	0	0	17,068
Department of the Air Force	207,570	1,222	34,000	19,530	52,782	350	0	14,625	85,061
Materiel Command	207,570	1,222	34,000	19,530	52,782	350	0	14,625	85,061
Department of the Army	289,513	22,035	42,283	61,366	45,318	1,775	246	0	116,490
Department of the Navy	398,836	97,919	37,298	22,054	35,814	0	0	0	205,751
Department of Energy	797,132	98,217	151,129	27,736	448,821	0	0	0	71,229
Energy Efficiency and Renewable Energy	27,425	0	546	0	1,777	0	0	0	25,102
Environmental Management	10,320	10,320	0	0	0	0	0	0	0
Fossil Energy	48,728	12,942	0	0	19,972	0	0	0	15,814
National Nuclear Security Administration	79,286	8,033	3,500	0	65,386	0	0	0	2,367
Defense Programs	62,386	0	0	0	62,386	0	0	0	0
Nonproliferation and Verification	16,900	8,033	3,500	0	3,000	0	0	0	2,367
Nuclear Energy	8,745	0	0	0	0	0	0	0	8,745
Office of Science	622,628	66,922	147,083	27,736	361,686	0	0	0	19,201

TABLE 57. Federal obligations for research performed at universities and colleges, by selected agency and field of science and engineering: FY 2004

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
Department of Health and Human Services	15,610,874	280,689	12,805,102	81,587	229,723	963,416	163,995	599,588	486,774
Administration for Children and Families	17,014	0	0	0	0	0	17,014	0	0
Agency for Healthcare Research and Quality	72,450	0	52,310	736	0	273	8,184	10,915	32
Agency for Toxic Substances and Disease Registry	4,101	2,354	1,747	0	0	0	0	0	0
Centers for Disease Control and Prevention	297,744	0	297,744	0	0	0	0	0	0
Centers for Medicare and Medicaid Services	4,374	0	4,374	0	0	0	0	0	0
Food and Drug Administration	17,241	0	17,241	0	0	0	0	0	0
Health Resources and Services Administration	10,748	0	10,748	0	0	0	0	0	0
National Institutes of Health	15,184,003	278,335	12,420,938	80,851	229,723	963,143	135,598	588,673	486,742
Office of the Secretary	3,199	0	0	0	0	0	3,199	0	0
Office of the Assistant Secretary, Planning and Evaluation	3,199	0	0	0	0	0	3,199	0	0
Department of Homeland Security	2,415	43	1,351	160	291	35	88	106	341
Science and Technology Directorate	2,404	32	1,351	160	291	35	88	106	341
U.S. Coast Guard	11	11	0	0	0	0	0	0	0
Other agencies									
National Aeronautics and Space Administration	661,221	155,196	37,118	10,959	185,970	2,384	126	34,844	234,624
National Science Foundation	3,122,315	458,175	500,374	726,363	568,294	3,550	163,554	158,992	543,013

nec = not elsewhere classified.

NOTES: Seven agencies are required to report data for this section of survey: Departments of Agriculture, Defense, Energy, Health and Human Services, and Homeland Security; National Aeronautics and Space Administration; and National Science Foundation. Research obligations of these seven agencies represented approximately 97% of total federal research obligations to universities and colleges in FY 2004. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 58. Preliminary federal obligations for research performed at universities and colleges, by selected agency and field of science and engineering: FY 2005

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
All agencies	22,699,408	1,091,288	14,665,276	1,108,151	1,613,199	998,276	387,318	826,555	2,009,345
Departments									
Department of Agriculture	805,291	10,431	687,352	889	28,859	0	58,189	640	18,931
Agricultural Research Service	84,741	373	77,852	110	5,644	0	0	0	762
Cooperative State Research, Education, and Extension Service	689,161	9,311	589,722	0	22,639	0	50,853	0	16,636
Economic Research Service	4,933	0	0	0	0	0	4,933	0	0
Foreign Agricultural Service	707	0	707	0	0	0	0	0	0
Forest Service	25,415	747	19,071	445	576	0	2,403	640	1,533
National Agricultural Statistics Service	334	0	0	334	0	0	0	0	0
Department of Defense	1,515,695	116,316	315,689	277,420	142,784	7,470	218	20,310	635,488
Defense agencies and activities	478,236	4,625	95,920	157,828	37,219	2,848	0	310	179,486
Chemical and Biological Defense	20,278	0	19,134	0	1,144	0	0	0	0
Defense Advanced Research Projects Agency	394,509	826	55,078	149,966	28,905	633	0	0	159,101
Defense Threat Reduction Agency	2,996	0	600	104	982	0	0	310	1,000
Special Operations Command	400	0	400	0	0	0	0	0	0
Washington Headquarters Services	60,053	3,799	20,708	7,758	6,188	2,215	0	0	19,385
Department of the Air Force	208,196	1,331	34,000	38,594	26,460	1,897	0	20,000	85,914
Materiel Command	208,196	1,331	34,000	38,594	26,460	1,897	0	20,000	85,914
Department of the Army	388,030	17,942	144,991	56,584	41,073	2,725	218	0	124,497
Department of the Navy	441,233	92,418	40,778	24,414	38,032	0	0	0	245,591
Department of Energy	732,059	73,058	92,213	24,386	461,458	0	0	0	80,944
Energy Efficiency and Renewable Energy	28,075	0	552	0	1,796	0	0	0	25,727
Environmental Management	163	163	0	0	0	0	0	0	0
Fossil Energy	47,913	12,435	0	0	19,283	0	0	0	16,195
National Nuclear Security Administration	81,673	4,650	0	0	75,148	0	0	0	1,875
Defense Programs	72,648	0	0	0	72,648	0	0	0	0
Nonproliferation and Verification	9,025	4,650	0	0	2,500	0	0	0	1,875
Nuclear Energy	13,018	0	0	0	0	0	0	0	13,018
Office of Science	561,217	55,810	91,661	24,386	365,231	0	0	0	24,129

TABLE 58. Preliminary federal obligations for research performed at universities and colleges, by selected agency and field of science and engineering: FY 2005

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
Department of Health and Human Services	15,909,219	285,723	13,041,732	83,417	234,817	984,790	167,984	613,185	497,571
Administration for Children and Families	17,371	0	0	0	0	0	17,371	0	0
Agency for Healthcare Research and Quality	76,031	0	54,896	772	0	286	8,587	11,456	34
Agency for Toxic Substances and Disease Registry	2,940	1,214	1,726	0	0	0	0	0	0
Centers for Disease Control and Prevention	253,517	0	253,517	0	0	0	0	0	0
Centers for Medicare and Medicaid Services	4,686	0	4,686	0	0	0	0	0	0
Food and Drug Administration	19,745	0	19,745	0	0	0	0	0	0
Health Resources and Services Administration	10,748	0	10,748	0	0	0	0	0	0
National Institutes of Health	15,520,761	284,509	12,696,414	82,645	234,817	984,504	138,606	601,729	497,537
Office of the Secretary	3,420	0	0	0	0	0	3,420	0	0
Office of the Assistant Secretary, Planning and Evaluation	3,420	0	0	0	0	0	3,420	0	0
Department of Homeland Security	3,737	50	2,100	248	451	56	137	164	531
Science and Technology Directorate	3,737	50	2,100	248	451	56	137	164	531
Other agencies									
National Aeronautics and Space Administration	677,647	159,060	38,040	11,228	190,610	2,443	129	35,715	240,422
National Science Foundation	3,055,760	446,650	488,150	710,563	554,220	3,517	160,661	156,541	535,458

nec = not elsewhere classified.

NOTES: Seven agencies are required to report data for this section of survey: Departments of Agriculture, Defense, Energy, Health and Human Services, and Homeland Security; National Aeronautics and Space Administration; and National Science Foundation. Research obligations of these seven agencies represented approximately 98% of total federal research obligations to universities and colleges in FY 2005. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 59. Preliminary federal obligations for research performed at universities and colleges, by selected agency and field of science and engineering: FY 2006

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
All agencies	22,376,455	1,100,184	14,433,445	1,130,022	1,568,807	1,008,977	374,023	834,917	1,926,080
Departments									
Department of Agriculture	543,753	8,906	458,636	828	20,183	0	41,079	640	13,481
Agricultural Research Service	37,344	164	34,309	48	2,487	0	0	0	336
Cooperative State Research, Education, and Extension Service	473,920	7,995	404,549	0	17,120	0	32,644	0	11,612
Economic Research Service	5,533	0	0	0	0	0	5,533	0	0
Foreign Agricultural Service	707	0	707	0	0	0	0	0	0
Forest Service	25,415	747	19,071	446	576	0	2,402	640	1,533
National Agricultural Statistics Service	334	0	0	334	0	0	0	0	0
Rural Business-Cooperative Service	500	0	0	0	0	0	500	0	0
Department of Defense	1,264,897	107,102	176,704	279,373	130,337	6,626	202	18,233	546,320
Defense agencies and activities	483,642	4,463	87,668	170,926	41,094	2,668	0	233	176,590
Chemical and Biological Defense	22,481	0	19,981	0	2,500	0	0	0	0
Defense Advanced Research Projects Agency	416,534	924	55,135	164,439	32,364	708	0	0	162,964
Defense Threat Reduction Agency	2,030	0	401	70	657	0	0	233	669
Special Operations Command	90	0	90	0	0	0	0	0	0
Washington Headquarters Services	42,507	3,539	12,061	6,417	5,573	1,960	0	0	12,957
Department of the Air Force	207,728	1,111	34,000	38,149	23,766	2,000	0	18,000	90,702
Materiel Command	207,728	1,111	34,000	38,149	23,766	2,000	0	18,000	90,702
Department of the Army	198,135	9,220	19,157	48,658	30,593	1,958	202	0	88,347
Department of the Navy	375,392	92,308	35,879	21,640	34,884	0	0	0	190,681
Department of Energy	670,638	74,699	75,059	33,664	418,211	0	0	0	69,005
Energy Efficiency and Renewable Energy	29,338	0	527	0	1,713	0	0	0	27,098
Environmental Management	185	185	0	0	0	0	0	0	0
Fossil Energy	45,422	12,135	0	0	18,652	0	0	0	14,635
National Nuclear Security Administration	54,583	4,650	0	0	48,058	0	0	0	1,875
Defense Programs	45,558	0	0	0	45,558	0	0	0	0
Nonproliferation and Verification	9,025	4,650	0	0	2,500	0	0	0	1,875
Nuclear Energy	6,000	0	0	0	0	0	0	0	6,000
Office of Science	535,110	57,729	74,532	33,664	349,788	0	0	0	19,397

TABLE 59. Preliminary federal obligations for research performed at universities and colleges, by selected agency and field of science and engineering: FY 2006

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
Department of Health and Human Services	16,087,091	289,478	13,186,095	84,373	237,536	996,181	169,953	620,147	503,328
Administration for Children and Families	17,736	0	0	0	0	0	17,736	0	0
Agency for Healthcare Research and Quality	76,031	0	54,896	772	0	286	8,587	11,456	34
Agency for Toxic Substances and Disease Registry	3,057	1,677	1,380	0	0	0	0	0	0
Centers for Disease Control and Prevention	253,517	0	253,517	0	0	0	0	0	0
Centers for Medicare and Medicaid Services	2,710	0	2,710	0	0	0	0	0	0
Food and Drug Administration	19,524	0	19,524	0	0	0	0	0	0
Health Resources and Services Administration	10,748	0	10,748	0	0	0	0	0	0
National Institutes of Health	15,700,348	287,801	12,843,320	83,601	237,536	995,895	140,210	608,691	503,294
Office of the Secretary	3,420	0	0	0	0	0	3,420	0	0
Office of the Assistant Secretary, Planning and Evaluation	3,420	0	0	0	0	0	3,420	0	0
Department of Homeland Security	3,753	50	2,108	250	452	56	137	166	534
Science and Technology Directorate	3,753	50	2,108	250	452	56	137	166	534
Other agencies									
National Aeronautics and Space Administration	711,529	167,012	39,942	11,790	200,140	2,566	135	37,501	252,443
National Science Foundation	3,094,794	452,937	494,901	719,744	561,948	3,548	162,517	158,230	540,969

nec = not elsewhere classified.

NOTES: Seven agencies are required to report data for this section of survey: Departments of Agriculture, Defense, Energy, Health and Human Services, and Homeland Security; National Aeronautics and Space Administration; and National Science Foundation. Research obligations of these seven agencies represented approximately 98% of total federal research obligations to universities and colleges in FY 2006. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 60. Federal obligations for research performed at universities and colleges in environmental and physical sciences, by selected agency and detailed field: FY 2004

(Dollars in thousands)

Agency	Environmental sciences					Physical sciences				
	Total	Atmospheric sciences	Geological sciences	Oceanography	Environmental sciences, nec	Total	Astronomy	Chemistry	Physics	Physical sciences, nec
All agencies	1,126,621	260,570	213,525	306,333	346,193	1,619,754	191,513	568,524	627,045	232,672
Departments										
Department of Agriculture	9,317	9,308	9	0	0	21,574	0	21,315	259	0
Agricultural Research Service	369	360	9	0	0	5,571	0	5,312	259	0
Cooperative State Research, Education, and Extension Service	8,200	8,200	0	0	0	15,427	0	15,427	0	0
Forest Service	748	748	0	0	0	576	0	576	0	0
Department of Defense	124,984	16,050	7,111	92,069	9,754	165,081	3	68,310	50,770	45,998
Defense agencies and activities	3,808	1,240	0	2,172	396	31,167	0	5,288	9,528	16,351
Chemical and Biological Defense	0	0	0	0	0	1,750	0	0	0	1,750
Defense Advanced Research Projects Agency	660	264	0	0	396	23,127	0	3,416	5,110	14,601
Defense Threat Reduction Agency	0	0	0	0	0	1,412	0	0	1,412	0
Washington Headquarters Services	3,148	976	0	2,172	0	4,878	0	1,872	3,006	0
Department of the Air Force	1,222	504	718	0	0	52,782	3	25,165	12,147	15,467
Materiel Command	1,222	504	718	0	0	52,782	3	25,165	12,147	15,467
Department of the Army	22,035	7,836	6,393	0	7,806	45,318	0	20,892	17,227	7,199
Department of the Navy	97,919	6,470	0	89,897	1,552	35,814	0	16,965	11,868	6,981
Department of Energy	98,217	29,287	41,940	3,728	23,262	448,821	0	77,607	305,828	65,386
Energy Efficiency and Renewable Energy	0	0	0	0	0	1,777	0	1,777	0	0
Environmental Management	10,320	0	0	0	10,320	0	0	0	0	0
Fossil Energy	12,942	0	0	0	12,942	19,972	0	19,972	0	0
National Nuclear Security Administration	8,033	0	8,033	0	0	65,386	0	0	0	65,386
Defense Programs	0	0	0	0	0	62,386	0	0	0	62,386
Nonproliferation and Verification	8,033	0	8,033	0	0	3,000	0	0	0	3,000
Office of Science	66,922	29,287	33,907	3,728	0	361,686	0	55,858	305,828	0
Department of Health and Human Services	280,689	0	0	0	280,689	229,723	0	218,032	0	11,691
Agency for Toxic Substances and Disease Registry	2,354	0	0	0	2,354	0	0	0	0	0
National Institutes of Health	278,335	0	0	0	278,335	229,723	0	218,032	0	11,691
Department of Homeland Security	43	10	10	0	23	291	0	217	71	3
Science and Technology Directorate	32	10	10	0	12	291	0	217	71	3
U.S. Coast Guard	11	0	0	0	11	0	0	0	0	0

TABLE 60. Federal obligations for research performed at universities and colleges in environmental and physical sciences, by selected agency and detailed field: FY 2004

(Dollars in thousands)

Agency	Environmental sciences					Physical sciences				
	Total	Atmospheric sciences	Geological sciences	Oceanography	Environmental sciences, nec	Total	Astronomy	Chemistry	Physics	Physical sciences, nec
Other agencies										
National Aeronautics and Space Administration	155,196	98,061	31,595	14,028	11,512	185,970	116,729	8,101	52,749	8,391
National Science Foundation	458,175	107,854	132,860	196,508	20,953	568,294	74,781	174,942	217,368	101,203

nec = not elsewhere classified.

NOTES: Seven agencies are required to report data for this section of survey: Departments of Agriculture, Defense, Energy, Health and Human Services, and Homeland Security; National Aeronautics and Space Administration; and National Science Foundation. Research obligations of these seven agencies represented approximately 97% of total federal research obligations to universities and colleges in FY 2004. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 61. Federal obligations for research performed at universities and colleges in life sciences and psychology, by selected agency and detailed field: FY 2004

(Dollars in thousands)

Agency	Life sciences						Psychology			
	Total	Agricultural sciences	Biological sciences ^a	Environmental biology	Medical sciences	Life sciences, nec	Total	Biological aspects	Social aspects	Psychological sciences, nec
All agencies	14,218,564	296,787	7,046,919	222,111	5,690,868	961,879	973,968	1,881	6,163	965,924
Departments										
Department of Agriculture	535,901	295,474	126,936	106,596	6,895	0	0	0	0	0
Agricultural Marketing Service	215	215	0	0	0	0	0	0	0	0
Agricultural Research Service	76,840	59,694	5,353	10,430	1,363	0	0	0	0	0
Cooperative State Research, Education, and Extension Service	439,068	234,741	110,470	88,325	5,532	0	0	0	0	0
Foreign Agricultural Service	707	707	0	0	0	0	0	0	0	0
Forest Service	19,071	117	11,113	7,841	0	0	0	0	0	0
Department of Defense	187,589	1,065	79,410	16,861	57,508	32,745	4,583	1,832	976	1,775
Defense agencies and activities	74,008	976	41,073	2,123	29,102	734	2,458	1,482	976	0
Chemical and Biological Defense	8,282	0	0	0	8,282	0	0	0	0	0
Defense Advanced Research Projects Agency	44,759	0	39,497	1,526	3,736	0	506	506	0	0
Defense Threat Reduction Agency	650	0	0	0	0	650	0	0	0	0
Special Operations Command	84	0	0	0	0	84	0	0	0	0
Washington Headquarters Services	20,233	976	1,576	597	17,084	0	1,952	976	976	0
Department of the Air Force	34,000	0	13,500	9,500	0	11,000	350	350	0	0
Materiel Command	34,000	0	13,500	9,500	0	11,000	350	350	0	0
Department of the Army	42,283	89	19,195	246	22,324	429	1,775	0	0	1,775
Department of the Navy	37,298	0	5,642	4,992	6,082	20,582	0	0	0	0
Department of Energy	151,129	0	70,472	0	80,318	339	0	0	0	0
Energy Efficiency and Renewable Energy	546	0	546	0	0	0	0	0	0	0
National Nuclear Security Administration	3,500	0	3,500	0	0	0	0	0	0	0
Nonproliferation and Verification	3,500	0	3,500	0	0	0	0	0	0	0
Office of Science	147,083	0	66,426	0	80,318	339	0	0	0	0
Department of Health and Human Services	12,805,102	0	6,346,060	1,722	5,532,468	924,852	963,416	0	30	963,386
Agency for Healthcare Research and Quality	52,310	0	0	0	52,285	25	273	0	30	243
Agency for Toxic Substances and Disease Registry	1,747	0	0	1,722	25	0	0	0	0	0
Centers for Disease Control and Prevention	297,744	0	0	0	297,744	0	0	0	0	0
Centers for Medicare and Medicaid Services	4,374	0	0	0	0	4,374	0	0	0	0
Food and Drug Administration	17,241	0	17,241	0	0	0	0	0	0	0
Health Resources and Services Administration	10,748	0	0	0	5,749	4,999	0	0	0	0
National Institutes of Health	12,420,938	0	6,328,819	0	5,176,665	915,454	963,143	0	0	963,143

TABLE 61. Federal obligations for research performed at universities and colleges in life sciences and psychology, by selected agency and detailed field: FY 2004

(Dollars in thousands)

Agency	Life sciences						Psychology			
	Total	Agricultural sciences	Biological sciences ^a	Environmental biology	Medical sciences	Life sciences, nec	Total	Biological aspects	Social aspects	Psychological sciences, nec
Department of Homeland Security	1,351	60	1,238	20	26	7	35	8	21	6
Science and Technology Directorate	1,351	60	1,238	20	26	7	35	8	21	6
Other agencies										
National Aeronautics and Space Administration	37,118	188	17,858	1,483	13,653	3,936	2,384	41	1,586	757
National Science Foundation	500,374	0	404,945	95,429	0	0	3,550	0	3,550	0

nec = not elsewhere classified.

^a Excluding environmental biology.

NOTES: Seven agencies are required to report data for this section of survey: Departments of Agriculture, Defense, Energy, Health and Human Services, and Homeland Security; National Aeronautics and Space Administration; and National Science Foundation. Research obligations of these seven agencies represented approximately 97% of total federal research obligations to universities and colleges in FY 2004. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 62. Federal obligations for research performed at universities and colleges in mathematics and computer sciences and in social sciences, by selected agency and detailed field: FY 2004
(Dollars in thousands)

Agency	Mathematics and computer sciences				Social sciences					
	Total	Computer sciences	Mathematics	Mathematics and computer sciences, nec	Total	Anthropology	Economics	Political science	Sociology	Social sciences, nec
All agencies	1,077,050	738,775	322,989	15,286	382,190	9,760	61,708	6,477	15,313	288,932
Departments										
Department of Agriculture	888	0	888	0	54,181	0	42,950	0	11,231	0
Agricultural Research Service	109	0	109	0	0	0	0	0	0	0
Cooperative State Research, Education, and Extension Service	0	0	0	0	46,561	0	35,530	0	11,031	0
Economic Research Service	0	0	0	0	5,112	0	5,112	0	0	0
Forest Service	445	0	445	0	2,402	0	2,202	0	200	0
National Agricultural Statistics Service	334	0	334	0	0	0	0	0	0	0
Rural Business-Cooperative Service	0	0	0	0	106	0	106	0	0	0
Department of Defense	229,357	175,868	43,626	9,863	246	0	0	0	0	246
Defense agencies and activities	126,407	115,005	10,830	572	0	0	0	0	0	0
Chemical and Biological Defense	70	70	0	0	0	0	0	0	0	0
Defense Advanced Research Projects Agency	119,489	112,007	7,482	0	0	0	0	0	0	0
Defense Threat Reduction Agency	60	0	0	60	0	0	0	0	0	0
Washington Headquarters Services	6,788	2,928	3,348	512	0	0	0	0	0	0
Department of the Air Force	19,530	8,318	11,072	140	0	0	0	0	0	0
Materiel Command	19,530	8,318	11,072	140	0	0	0	0	0	0
Department of the Army	61,366	37,563	14,892	8,911	246	0	0	0	0	246
Department of the Navy	22,054	14,982	6,832	240	0	0	0	0	0	0
Department of Energy	27,736	14,661	13,075	0	0	0	0	0	0	0
Office of Science	27,736	14,661	13,075	0	0	0	0	0	0	0
Department of Health and Human Services	81,587	736	80,851	0	163,995	22	2,853	32	25	161,063
Administration for Children and Families	0	0	0	0	17,014	0	0	0	0	17,014
Agency for Healthcare Research and Quality	736	736	0	0	8,184	22	2,853	32	25	5,252
National Institutes of Health	80,851	0	80,851	0	135,598	0	0	0	0	135,598
Office of the Secretary	0	0	0	0	3,199	0	0	0	0	3,199
Office of the Assistant Secretary, Planning and Evaluation	0	0	0	0	3,199	0	0	0	0	3,199
Department of Homeland Security	160	94	40	26	88	3	38	21	13	13
Science and Technology Directorate	160	94	40	26	88	3	38	21	13	13

TABLE 62. Federal obligations for research performed at universities and colleges in mathematics and computer sciences and in social sciences, by selected agency and detailed field: FY 2004
(Dollars in thousands)

Agency	Mathematics and computer sciences				Social sciences					
	Total	Computer sciences	Mathematics	Mathematics and computer sciences, nec	Total	Anthropology	Economics	Political science	Sociology	Social sciences, nec
Other agencies										
National Aeronautics and Space Administration	10,959	5,090	472	5,397	126	0	0	0	45	81
National Science Foundation	726,363	542,326	184,037	0	163,554	9,735	15,867	6,424	3,999	127,529

nec = not elsewhere classified.

NOTES: Seven agencies are required to report data for this section of survey: Departments of Agriculture, Defense, Energy, Health and Human Services, and Homeland Security; National Aeronautics and Space Administration; and National Science Foundation. Research obligations of these seven agencies represented approximately 97% of total federal research obligations to universities and colleges in FY 2004. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 63. Federal obligations for research performed at universities and colleges in engineering, by selected agency and detailed field: FY 2004

(Dollars in thousands)

Agency	Total	Aeronautical engineering	Astronautical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgy and materials engineering	Engineering, nec
All agencies	1,905,047	186,727	65,176	88,971	63,803	220,439	64,839	268,140	946,952
Departments									
Department of Agriculture	15,322	0	0	1,375	117	66	84	0	13,680
Agricultural Research Service	752	0	0	376	117	66	84	0	109
Cooperative State Research, Education, and Extension Service	13,037	0	0	0	0	0	0	0	13,037
Forest Service	1,533	0	0	999	0	0	0	0	534
Department of Defense	553,744	37,863	1,482	6,373	4,254	143,295	53,092	111,555	195,830
Defense agencies and activities	146,442	5,138	0	3,227	1,466	49,163	8,544	45,760	33,144
Defense Advanced Research Projects Agency	127,235	5,138	0	1,217	0	39,212	4,903	45,760	31,005
Defense Threat Reduction Agency	2,139	0	0	0	0	0	0	0	2,139
Washington Headquarters Services	17,068	0	0	2,010	1,466	9,951	3,641	0	0
Department of the Air Force	85,061	24,341	429	0	106	6,221	1,107	10,610	42,247
Materiel Command	85,061	24,341	429	0	106	6,221	1,107	10,610	42,247
Department of the Army	116,490	2,075	0	3,146	2,682	42,710	25,959	31,940	7,978
Department of the Navy	205,751	6,309	1,053	0	0	45,201	17,482	23,245	112,461
Department of Energy	71,229	0	0	16,468	4,983	3,308	4,742	14,784	26,944
Energy Efficiency and Renewable Energy	25,102	0	0	0	4,983	3,308	29	33	16,749
Fossil Energy	15,814	0	0	15,814	0	0	0	0	0
National Nuclear Security Administration	2,367	0	0	654	0	0	0	263	1,450
Nonproliferation and Verification	2,367	0	0	654	0	0	0	263	1,450
Nuclear Energy	8,745	0	0	0	0	0	0	0	8,745
Office of Science	19,201	0	0	0	0	0	4,713	14,488	0
Department of Health and Human Services	486,774	0	0	0	0	0	0	0	486,774
Agency for Healthcare Research and Quality	32	0	0	0	0	0	0	0	32
National Institutes of Health	486,742	0	0	0	0	0	0	0	486,742
Department of Homeland Security	341	190	0	9	11	9	8	4	110
Science and Technology Directorate	341	190	0	9	11	9	8	4	110
Other agencies									
National Aeronautics and Space Administration	234,624	148,674	63,694	573	50	3,716	2,554	3,013	12,350
National Science Foundation	543,013	0	0	64,173	54,388	70,045	4,359	138,784	211,264

nec = not elsewhere classified.

NOTES: Seven agencies are required to report data for this section of survey: Departments of Agriculture, Defense, Energy, Health and Human Services, and Homeland Security; National Aeronautics and Space Administration; and National Science Foundation. Research obligations of these seven agencies represented approximately 97% of total federal research obligations to universities and colleges in FY 2004. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 64. Federal obligations for basic research performed at universities and colleges for selected agencies, by detailed field of science and engineering: FY 2004–06

(Dollars in thousands)

Field	2004	Preliminary	
		2005	2006
All fields	13,349,839	13,517,369	13,441,254
Environmental sciences	894,269	868,145	887,610
Atmospheric sciences	221,464	NA	NA
Geological sciences	201,930	NA	NA
Oceanography	286,690	NA	NA
Environmental sciences, nec	184,185	NA	NA
Life sciences	7,828,608	8,004,277	7,930,670
Agricultural sciences	136,194	NA	NA
Biological sciences (excluding environmental biology)	4,069,711	NA	NA
Environmental biology	152,919	NA	NA
Medical sciences	2,936,450	NA	NA
Life sciences, nec	533,334	NA	NA
Mathematics and computer sciences	872,718	872,788	882,929
Computer sciences	587,477	NA	NA
Mathematics	275,216	NA	NA
Mathematics and computer sciences, nec	10,025	NA	NA
Physical sciences	1,354,745	1,323,728	1,314,089
Astronomy	175,042	NA	NA
Chemistry	431,892	NA	NA
Physics	604,843	NA	NA
Physical sciences, nec	142,968	NA	NA
Psychology	534,470	549,325	553,766
Biological aspects	393	NA	NA
Social aspects	2,899	NA	NA
Psychological sciences, nec	531,178	NA	NA
Social sciences	242,255	242,171	236,821
Anthropology	9,124	NA	NA
Economics	28,671	NA	NA
Political science	5,795	NA	NA
Sociology	8,269	NA	NA
Social sciences, nec	190,396	NA	NA
Other sciences, nec	509,188	519,478	523,817
Engineering	1,113,586	1,137,457	1,111,552
Aeronautical engineering	69,475	NA	NA
Astronautical engineering	11,511	NA	NA
Chemical engineering	54,884	NA	NA
Civil engineering	44,915	NA	NA
Electrical engineering	134,283	NA	NA
Mechanical engineering	43,427	NA	NA
Metallurgy and materials engineering	227,957	NA	NA
Engineering, nec	527,134	NA	NA

NA = not available (data collected for this table were not recorded at that level in that particular fiscal year).

nec = not elsewhere classified.

NOTES: Seven agencies are required to report data for this section of survey: Departments of Agriculture, Defense, Energy, Health and Human Services, and Homeland Security; National Aeronautics and Space Administration; and National Science Foundation. Basic research obligations of these seven agencies included in this table represented approximately 99% of total federal basic research obligations to universities and colleges in FY 2004, 2005, and 2006. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 65. Federal obligations for basic research performed at universities and colleges, by selected agency and field of science and engineering: FY 2004

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
All agencies	13,349,839	894,269	7,828,608	872,718	1,354,745	534,470	242,255	509,188	1,113,586
Departments									
Department of Agriculture	283,005	3,927	240,830	89	10,119	0	20,762	85	7,193
Agricultural Research Service	45,538	201	41,835	59	3,033	0	0	0	410
Cooperative State Research, Education, and Extension Service	229,809	3,608	193,190	0	6,788	0	20,487	0	5,736
Foreign Agricultural Service	198	0	198	0	0	0	0	0	0
Forest Service	7,460	118	5,607	30	298	0	275	85	1,047
Department of Defense	726,414	97,550	107,929	105,199	117,551	2,102	10	14,625	281,448
Defense agencies and activities	99,684	1,196	22,461	11,323	4,676	0	0	0	60,028
Chemical and Biological Defense	2,628	0	878	0	1,750	0	0	0	0
Defense Advanced Research Projects Agency	80,205	0	20,986	10,392	0	0	0	0	48,827
Washington Headquarters Services	16,851	1,196	597	931	2,926	0	0	0	11,201
Department of the Air Force	187,069	0	34,000	18,420	49,592	350	0	14,625	70,082
Materiel Command	187,069	0	34,000	18,420	49,592	350	0	14,625	70,082
Department of the Army	193,272	11,347	20,568	56,669	28,374	1,752	10	0	74,552
Department of the Navy	246,389	85,007	30,900	18,787	34,909	0	0	0	76,786
Department of Energy	639,194	66,922	147,629	27,736	376,018	0	0	0	20,889
Energy Efficiency and Renewable Energy	2,323	0	546	0	1,777	0	0	0	0
Fossil Energy	9,555	0	0	0	9,555	0	0	0	0
National Nuclear Security Administration	4,688	0	0	0	3,000	0	0	0	1,688
Nonproliferation and Verification	4,688	0	0	0	3,000	0	0	0	1,688
Office of Science	622,628	66,922	147,083	27,736	361,686	0	0	0	19,201
Department of Health and Human Services	8,336,947	152,823	6,819,856	44,392	126,132	528,824	74,452	323,217	267,251
National Institutes of Health	8,336,947	152,823	6,819,856	44,392	126,132	528,824	74,452	323,217	267,251
Department of Homeland Security	719	10	404	48	87	10	26	32	102
Science and Technology Directorate	719	10	404	48	87	10	26	32	102
Other agencies									
National Aeronautics and Space Administration	410,452	116,572	18,208	4,073	161,561	723	126	33,253	75,936
National Science Foundation	2,953,108	456,465	493,752	691,181	563,277	2,811	146,879	137,976	460,767

nec = not elsewhere classified.

NOTES: Seven agencies are required to report data for this section of survey: Departments of Agriculture, Defense, Energy, Health and Human Services, and Homeland Security; National Aeronautics and Space Administration; and National Science Foundation. Basic research obligations of these seven agencies represented approximately 99% of total federal basic research obligations to universities and colleges in FY 2004. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 66. Preliminary federal obligations for basic research performed at universities and colleges, by selected agency and field of science and engineering: FY 2005

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
All agencies	13,517,369	868,145	8,004,277	872,788	1,323,728	549,325	242,171	519,478	1,137,457
Departments									
Department of Agriculture	357,026	4,418	307,669	89	13,333	0	22,650	85	8,782
Agricultural Research Service	46,137	203	42,386	60	3,073	0	0	0	415
Cooperative State Research, Education, and Extension Service	303,231	4,097	259,478	0	9,961	0	22,375	0	7,320
Foreign Agricultural Service	198	0	198	0	0	0	0	0	0
Forest Service	7,460	118	5,607	29	299	0	275	85	1,047
Department of Defense	754,024	87,157	124,190	125,032	90,383	4,606	12	20,000	302,644
Defense agencies and activities	124,474	1,723	29,253	15,108	4,252	139	0	0	73,999
Chemical and Biological Defense	2,525	0	2,235	0	290	0	0	0	0
Defense Advanced Research Projects Agency	100,579	0	26,153	13,579	0	0	0	0	60,847
Washington Headquarters Services	21,370	1,723	865	1,529	3,962	139	0	0	13,152
Department of the Air Force	187,399	0	34,000	37,410	23,092	1,897	0	20,000	71,000
Materiel Command	187,399	0	34,000	37,410	23,092	1,897	0	20,000	71,000
Department of the Army	196,836	9,611	28,381	52,298	26,169	2,570	12	0	77,795
Department of the Navy	245,315	75,823	32,556	20,216	36,870	0	0	0	79,850
Department of Energy	574,124	55,810	92,213	24,386	376,240	0	0	0	25,475
Energy Efficiency and Renewable Energy	2,348	0	552	0	1,796	0	0	0	0
Fossil Energy	9,213	0	0	0	9,213	0	0	0	0
National Nuclear Security Administration	1,346	0	0	0	0	0	0	0	1,346
Nonproliferation and Verification	1,346	0	0	0	0	0	0	0	1,346
Office of Science	561,217	55,810	91,661	24,386	365,231	0	0	0	24,129
Department of Health and Human Services	8,532,376	156,406	6,979,721	45,433	129,088	541,221	76,197	330,794	273,516
National Institutes of Health	8,532,376	156,406	6,979,721	45,433	129,088	541,221	76,197	330,794	273,516
Department of Homeland Security	1,118	15	628	74	135	17	41	49	159
Science and Technology Directorate	1,118	15	628	74	135	17	41	49	159
Other agencies									
National Aeronautics and Space Administration	420,712	119,486	18,664	4,174	165,600	741	129	34,085	77,833
National Science Foundation	2,877,989	444,853	481,192	673,600	548,949	2,740	143,142	134,465	449,048

nec = not elsewhere classified.

NOTES: Seven agencies are required to report data for this section of survey: Departments of Agriculture, Defense, Energy, Health and Human Services, and Homeland Security; National Aeronautics and Space Administration; and National Science Foundation. Basic research obligations of these seven agencies represented approximately 99% of total federal basic research obligations to universities and colleges in FY 2005. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 67. Preliminary federal obligations for basic research performed at universities and colleges, by selected agency and field of science and engineering: FY 2006

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
All agencies	13,441,254	887,610	7,930,670	882,929	1,314,089	553,766	236,821	523,817	1,111,552
Departments									
Department of Agriculture	236,515	3,725	202,486	56	9,186	0	14,638	85	6,339
Agricultural Research Service	20,332	89	18,680	26	1,354	0	0	0	183
Cooperative State Research, Education, and Extension Service	208,525	3,518	178,001	0	7,533	0	14,364	0	5,109
Foreign Agricultural Service	198	0	198	0	0	0	0	0	0
Forest Service	7,460	118	5,607	30	299	0	274	85	1,047
Department of Defense	692,921	91,827	107,585	115,797	83,794	4,507	10	18,000	271,401
Defense agencies and activities	109,680	2,151	26,182	14,087	4,871	572	0	0	61,817
Chemical and Biological Defense	2,762	0	2,076	0	686	0	0	0	0
Defense Advanced Research Projects Agency	87,657	0	22,793	11,835	0	0	0	0	53,029
Washington Headquarters Services	19,261	2,151	1,313	2,252	4,185	572	0	0	8,788
Department of the Air Force	186,467	0	34,000	36,940	20,527	2,000	0	18,000	75,000
Materiel Command	186,467	0	34,000	36,940	20,527	2,000	0	18,000	75,000
Department of the Army	159,576	9,072	17,324	46,092	24,332	1,935	10	0	60,811
Department of the Navy	237,198	80,604	30,079	18,678	34,064	0	0	0	73,773
Department of Energy	547,406	57,729	75,059	33,664	360,211	0	0	0	20,743
Energy Efficiency and Renewable Energy	2,240	0	527	0	1,713	0	0	0	0
Fossil Energy	8,710	0	0	0	8,710	0	0	0	0
National Nuclear Security Administration	1,346	0	0	0	0	0	0	0	1,346
Nonproliferation and Verification	1,346	0	0	0	0	0	0	0	1,346
Office of Science	535,110	57,729	74,532	33,664	349,788	0	0	0	19,397
Department of Health and Human Services	8,602,764	157,696	7,037,300	45,808	130,154	545,685	76,826	333,523	275,772
National Institutes of Health	8,602,764	157,696	7,037,300	45,808	130,154	545,685	76,826	333,523	275,772
Department of Homeland Security	1,123	15	630	75	135	17	41	50	160
Science and Technology Directorate	1,123	15	630	75	135	17	41	50	160
Other agencies									
National Aeronautics and Space Administration	441,748	125,460	19,598	4,383	173,880	778	135	35,789	81,725
National Science Foundation	2,918,777	451,158	488,012	683,146	556,729	2,779	145,171	136,370	455,412

nec = not elsewhere classified.

NOTES: Seven agencies are required to report data for this section of survey: Departments of Agriculture, Defense, Energy, Health and Human Services, and Homeland Security; National Aeronautics and Space Administration; and National Science Foundation. Basic research obligations of these seven agencies represented approximately 99% of total federal basic research obligations to universities and colleges in FY 2006. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 68. Federal obligations for basic research performed at universities and colleges in environmental and physical sciences, by selected agency and detailed field: FY 2004

(Dollars in thousands)

Agency	Environmental sciences					Physical sciences				
	Total	Atmospheric sciences	Geological sciences	Oceanography	Environmental sciences, nec	Total	Astronomy	Chemistry	Physics	Physical sciences, nec
All agencies	894,269	221,464	201,930	286,690	184,185	1,354,745	175,042	431,892	604,843	142,968
Departments										
Department of Agriculture	3,927	3,922	5	0	0	10,119	0	9,978	141	0
Agricultural Research Service	201	196	5	0	0	3,033	0	2,892	141	0
Cooperative State Research, Education, and Extension Service	3,608	3,608	0	0	0	6,788	0	6,788	0	0
Forest Service	118	118	0	0	0	298	0	298	0	0
Department of Defense	97,550	9,308	6,334	80,764	1,144	117,551	0	54,284	36,617	26,650
Defense agencies and activities	1,196	0	0	1,196	0	4,676	0	896	2,030	1,750
Chemical and Biological Defense	0	0	0	0	0	1,750	0	0	0	1,750
Washington Headquarters Services	1,196	0	0	1,196	0	2,926	0	896	2,030	0
Department of the Air Force	0	0	0	0	0	49,592	0	25,000	9,125	15,467
Materiel Command	0	0	0	0	0	49,592	0	25,000	9,125	15,467
Department of the Army	11,347	3,869	6,334	0	1,144	28,374	0	11,423	13,594	3,357
Department of the Navy	85,007	5,439	0	79,568	0	34,909	0	16,965	11,868	6,076
Department of Energy	66,922	29,287	33,907	3,728	0	376,018	0	67,190	305,828	3,000
Energy Efficiency and Renewable Energy	0	0	0	0	0	1,777	0	1,777	0	0
Fossil Energy	0	0	0	0	0	9,555	0	9,555	0	0
National Nuclear Security Administration	0	0	0	0	0	3,000	0	0	0	3,000
Nonproliferation and Verification	0	0	0	0	0	3,000	0	0	0	3,000
Office of Science	66,922	29,287	33,907	3,728	0	361,686	0	55,858	305,828	0
Department of Health and Human Services	152,823	0	0	0	152,823	126,132	0	119,713	0	6,419
National Institutes of Health	152,823	0	0	0	152,823	126,132	0	119,713	0	6,419
Department of Homeland Security	10	3	3	0	4	87	0	65	21	1
Science and Technology Directorate	10	3	3	0	4	87	0	65	21	1
Other agencies										
National Aeronautics and Space Administration	116,572	71,418	28,977	6,896	9,281	161,561	100,261	7,269	46,765	7,266
National Science Foundation	456,465	107,526	132,704	195,302	20,933	563,277	74,781	173,393	215,471	99,632

nec = not elsewhere classified.

NOTES: Seven agencies are required to report data for this section of survey: Departments of Agriculture, Defense, Energy, Health and Human Services, and Homeland Security; National Aeronautics and Space Administration; and National Science Foundation. Basic research obligations of these seven agencies represented approximately 99% of total federal basic research obligations to universities and colleges in FY 2004. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 69. Federal obligations for basic research performed at universities and colleges in life sciences and psychology, by selected agency and detailed field: FY 2004

(Dollars in thousands)

Agency	Life sciences						Psychology			
	Total	Agricultural sciences	Biological sciences ^a	Environmental biology	Medical sciences	Life sciences, nec	Total	Biological aspects	Social aspects	Psychological sciences, nec
All agencies	7,828,608	136,194	4,069,711	152,919	2,936,450	533,334	534,470	393	2,899	531,178
Departments										
Department of Agriculture	240,830	136,034	54,967	46,653	3,176	0	0	0	0	0
Agricultural Research Service	41,835	32,500	2,914	5,679	742	0	0	0	0	0
Cooperative State Research, Education, and Extension Service	193,190	103,286	48,607	38,863	2,434	0	0	0	0	0
Foreign Agricultural Service	198	198	0	0	0	0	0	0	0	0
Forest Service	5,607	50	3,446	2,111	0	0	0	0	0	0
Department of Defense	107,929	30	57,288	15,099	8,165	27,347	2,102	350	0	1,752
Defense agencies and activities	22,461	0	20,986	597	878	0	0	0	0	0
Chemical and Biological Defense	878	0	0	0	878	0	0	0	0	0
Defense Advanced Research Projects Agency	20,986	0	20,986	0	0	0	0	0	0	0
Washington Headquarters Services	597	0	0	597	0	0	0	0	0	0
Department of the Air Force	34,000	0	13,500	9,500	0	11,000	350	350	0	0
Materiel Command	34,000	0	13,500	9,500	0	11,000	350	350	0	0
Department of the Army	20,568	30	17,827	10	2,272	429	1,752	0	0	1,752
Department of the Navy	30,900	0	4,975	4,992	5,015	15,918	0	0	0	0
Department of Energy	147,629	0	66,972	0	80,318	339	0	0	0	0
Energy Efficiency and Renewable Energy	546	0	546	0	0	0	0	0	0	0
Office of Science	147,083	0	66,426	0	80,318	339	0	0	0	0
Department of Health and Human Services	6,819,856	0	3,474,910	0	2,842,306	502,640	528,824	0	0	528,824
National Institutes of Health	6,819,856	0	3,474,910	0	2,842,306	502,640	528,824	0	0	528,824
Department of Homeland Security	404	18	370	6	8	2	10	2	6	2
Science and Technology Directorate	404	18	370	6	8	2	10	2	6	2
Other agencies										
National Aeronautics and Space Administration	18,208	112	11,708	905	2,477	3,006	723	41	82	600
National Science Foundation	493,752	0	403,496	90,256	0	0	2,811	0	2,811	0

nec = not elsewhere classified.

^a Excluding environmental biology.

NOTES: Seven agencies are required to report data for this section of survey: Departments of Agriculture, Defense, Energy, Health and Human Services, and Homeland Security; National Aeronautics and Space Administration; and National Science Foundation. Basic research obligations of these seven agencies represented approximately 99% of total federal basic research obligations to universities and colleges in FY 2004. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 70. Federal obligations for basic research performed at universities and colleges in mathematics and computer sciences and in social sciences, by selected agency and detailed field: FY 2004
(Dollars in thousands)

Agency	Mathematics and computer sciences				Social sciences					
	Total	Computer sciences	Mathematics	Mathematics and computer sciences, nec	Total	Anthropology	Economics	Political science	Sociology	Social sciences, nec
All agencies	872,718	587,477	275,216	10,025	242,255	9,124	28,671	5,795	8,269	190,396
Departments										
Department of Agriculture	89	0	89	0	20,762	0	15,778	0	4,984	0
Agricultural Research Service	59	0	59	0	0	0	0	0	0	0
Cooperative State Research, Education, and Extension Service	0	0	0	0	20,487	0	15,633	0	4,854	0
Forest Service	30	0	30	0	275	0	145	0	130	0
Department of Defense	105,199	61,739	34,276	9,184	10	0	0	0	0	10
Defense agencies and activities	11,323	8,612	2,199	512	0	0	0	0	0	0
Defense Advanced Research Projects Agency	10,392	8,612	1,780	0	0	0	0	0	0	0
Washington Headquarters Services	931	0	419	512	0	0	0	0	0	0
Department of the Air Force	18,420	7,420	11,000	0	0	0	0	0	0	0
Materiel Command	18,420	7,420	11,000	0	0	0	0	0	0	0
Department of the Army	56,669	33,992	14,245	8,432	10	0	0	0	0	10
Department of the Navy	18,787	11,715	6,832	240	0	0	0	0	0	0
Department of Energy	27,736	14,661	13,075	0	0	0	0	0	0	0
Office of Science	27,736	14,661	13,075	0	0	0	0	0	0	0
Department of Health and Human Services	44,392	0	44,392	0	74,452	0	0	0	0	74,452
National Institutes of Health	44,392	0	44,392	0	74,452	0	0	0	0	74,452
Department of Homeland Security	48	28	12	8	26	1	11	6	4	4
Science and Technology Directorate	48	28	12	8	26	1	11	6	4	4
Other agencies										
National Aeronautics and Space Administration	4,073	3,032	208	833	126	0	0	0	45	81
National Science Foundation	691,181	508,017	183,164	0	146,879	9,123	12,882	5,789	3,236	115,849

nec = not elsewhere classified.

NOTES: Seven agencies are required to report data for this section of survey: Departments of Agriculture, Defense, Energy, Health and Human Services, and Homeland Security; National Aeronautics and Space Administration; and National Science Foundation. Basic research obligations of these seven agencies represented approximately 99% of total federal basic research obligations to universities and colleges in FY 2004. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 71. Federal obligations for basic research performed at universities and colleges in engineering, by selected agency and detailed field: FY 2004

(Dollars in thousands)

Agency	Total	Aeronautical engineering	Astronautical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgy and materials engineering	Engineering, nec
All agencies	1,113,586	69,475	11,511	54,884	44,915	134,283	43,427	227,957	527,134
Departments									
Department of Agriculture	7,193	0	0	1,194	64	36	46	0	5,853
Agricultural Research Service	410	0	0	205	64	36	46	0	59
Cooperative State Research, Education, and Extension Service	5,736	0	0	0	0	0	0	0	5,736
Forest Service	1,047	0	0	989	0	0	0	0	58
Department of Defense	281,448	21,313	0	1,010	625	76,145	33,356	72,813	76,186
Defense agencies and activities	60,028	0	0	544	0	17,439	2,172	23,889	15,984
Defense Advanced Research Projects Agency	48,827	0	0	0	0	8,954	0	23,889	15,984
Washington Headquarters Services	11,201	0	0	544	0	8,485	2,172	0	0
Department of the Air Force	70,082	17,291	0	0	0	3,691	0	7,100	42,000
Materiel Command	70,082	17,291	0	0	0	3,691	0	7,100	42,000
Department of the Army	74,552	2,012	0	466	625	28,626	17,794	24,899	130
Department of the Navy	76,786	2,010	0	0	0	26,389	13,390	16,925	18,072
Department of Energy	20,889	0	0	438	0	0	4,713	14,488	1,250
National Nuclear Security Administration	1,688	0	0	438	0	0	0	0	1,250
Nonproliferation and Verification	1,688	0	0	438	0	0	0	0	1,250
Office of Science	19,201	0	0	0	0	0	4,713	14,488	0
Department of Health and Human Services	267,251	0	0	0	0	0	0	0	267,251
National Institutes of Health	267,251	0	0	0	0	0	0	0	267,251
Department of Homeland Security	102	57	0	3	3	3	2	1	33
Science and Technology Directorate	102	57	0	3	3	3	2	1	33
Other agencies									
National Aeronautics and Space Administration	75,936	48,105	11,511	530	47	2,326	1,625	2,688	9,104
National Science Foundation	460,767	0	0	51,709	44,176	55,773	3,685	137,967	167,457

nec = not elsewhere classified.

NOTES: Seven agencies are required to report data for this section of survey: Departments of Agriculture, Defense, Energy, Health and Human Services, and Homeland Security; National Aeronautics and Space Administration; and National Science Foundation. Basic research obligations of these seven agencies represented approximately 99% of total federal basic research obligations to universities and colleges in FY 2004. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 72. Federal obligations for applied research performed at universities and colleges for selected agencies, by detailed field of science and engineering: FY 2004–06

(Dollars in thousands)

Field	2004	Preliminary	
		2005	2006
All fields	8,763,575	9,182,039	8,935,201
Environmental sciences	232,352	223,143	212,574
Atmospheric sciences	39,106	NA	NA
Geological sciences	11,595	NA	NA
Oceanography	19,643	NA	NA
Environmental sciences, nec	162,008	NA	NA
Life sciences	6,389,956	6,660,999	6,502,775
Agricultural sciences	160,593	NA	NA
Biological sciences (excluding environmental biology)	2,977,208	NA	NA
Environmental biology	69,192	NA	NA
Medical sciences	2,754,418	NA	NA
Life sciences, nec	428,545	NA	NA
Mathematics and computer sciences	204,332	235,363	247,093
Computer sciences	151,298	NA	NA
Mathematics	47,773	NA	NA
Mathematics and computer sciences, nec	5,261	NA	NA
Physical sciences	265,009	289,471	254,718
Astronomy	16,471	NA	NA
Chemistry	136,632	NA	NA
Physics	22,202	NA	NA
Physical sciences, nec	89,704	NA	NA
Psychology	439,498	448,951	455,211
Biological aspects	1,488	NA	NA
Social aspects	3,264	NA	NA
Psychological sciences, nec	434,746	NA	NA
Social sciences	139,935	145,147	137,202
Anthropology	636	NA	NA
Economics	33,037	NA	NA
Political science	682	NA	NA
Sociology	7,044	NA	NA
Social sciences, nec	98,536	NA	NA
Other sciences, nec	301,032	307,077	311,100
Engineering	791,461	871,888	814,528
Aeronautical engineering	117,252	NA	NA
Astronautical engineering	53,665	NA	NA
Chemical engineering	34,087	NA	NA
Civil engineering	18,888	NA	NA
Electrical engineering	86,156	NA	NA
Mechanical engineering	21,412	NA	NA
Metallurgy and materials engineering	40,183	NA	NA
Engineering, nec	419,818	NA	NA

NA = not available (data collected for this table were not recorded at that level in that particular fiscal year).

nec = not elsewhere classified.

NOTES: Seven agencies are required to report data for this section of survey: Departments of Agriculture, Defense, Energy, Health and Human Services, and Homeland Security; National Aeronautics and Space Administration; and National Science Foundation. Applied research obligations of these seven agencies represented approximately 94% of total federal applied research obligations to universities and colleges in FY 2004, 2005, and 2006. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 73. Federal obligations for applied research performed at universities and colleges, by selected agency and field of science and engineering: FY 2004

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
All agencies	8,763,575	232,352	6,389,956	204,332	265,009	439,498	139,935	301,032	791,461
Departments									
Department of Agriculture	354,818	5,390	295,071	799	11,455	0	33,419	555	8,129
Agricultural Marketing Service	215	0	215	0	0	0	0	0	0
Agricultural Research Service	38,103	168	35,005	50	2,538	0	0	0	342
Cooperative State Research, Education, and Extension Service	292,484	4,592	245,878	0	8,639	0	26,074	0	7,301
Economic Research Service	5,112	0	0	0	0	0	5,112	0	0
Foreign Agricultural Service	509	0	509	0	0	0	0	0	0
Forest Service	17,955	630	13,464	415	278	0	2,127	555	486
National Agricultural Statistics Service	334	0	0	334	0	0	0	0	0
Rural Business-Cooperative Service	106	0	0	0	0	0	106	0	0
Department of Defense	555,220	27,434	79,660	124,158	47,530	2,481	236	1,425	272,296
Defense agencies and activities	286,031	2,612	51,547	115,084	26,491	2,458	0	1,425	86,414
Chemical and Biological Defense	7,474	0	7,404	70	0	0	0	0	0
Defense Advanced Research Projects Agency	235,571	660	23,773	109,097	23,127	506	0	0	78,408
Defense Threat Reduction Agency	5,686	0	650	60	1,412	0	0	1,425	2,139
Special Operations Command	84	0	84	0	0	0	0	0	0
Washington Headquarters Services	37,216	1,952	19,636	5,857	1,952	1,952	0	0	5,867
Department of the Air Force	20,501	1,222	0	1,110	3,190	0	0	0	14,979
Materiel Command	20,501	1,222	0	1,110	3,190	0	0	0	14,979
Department of the Army	96,241	10,688	21,715	4,697	16,944	23	236	0	41,938
Department of the Navy	152,447	12,912	6,398	3,267	905	0	0	0	128,965
Department of Energy	157,938	31,295	3,500	0	72,803	0	0	0	50,340
Energy Efficiency and Renewable Energy	25,102	0	0	0	0	0	0	0	25,102
Environmental Management	10,320	10,320	0	0	0	0	0	0	0
Fossil Energy	39,173	12,942	0	0	10,417	0	0	0	15,814
National Nuclear Security Administration	74,598	8,033	3,500	0	62,386	0	0	0	679
Defense Programs	62,386	0	0	0	62,386	0	0	0	0
Nonproliferation and Verification	12,212	8,033	3,500	0	0	0	0	0	679
Nuclear Energy	8,745	0	0	0	0	0	0	0	8,745

TABLE 73. Federal obligations for applied research performed at universities and colleges, by selected agency and field of science and engineering: FY 2004

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
Department of Health and Human Services	7,273,927	127,866	5,985,246	37,195	103,591	434,592	89,543	276,371	219,523
Administration for Children and Families	17,014	0	0	0	0	0	17,014	0	0
Agency for Healthcare Research and Quality	72,450	0	52,310	736	0	273	8,184	10,915	32
Agency for Toxic Substances and Disease Registry	4,101	2,354	1,747	0	0	0	0	0	0
Centers for Disease Control and Prevention	297,744	0	297,744	0	0	0	0	0	0
Centers for Medicare and Medicaid Services	4,374	0	4,374	0	0	0	0	0	0
Food and Drug Administration	17,241	0	17,241	0	0	0	0	0	0
Health Resources and Services Administration	10,748	0	10,748	0	0	0	0	0	0
National Institutes of Health	6,847,056	125,512	5,601,082	36,459	103,591	434,319	61,146	265,456	219,491
Office of the Secretary	3,199	0	0	0	0	0	3,199	0	0
Office of the Assistant Secretary, Planning and Evaluation	3,199	0	0	0	0	0	3,199	0	0
Department of Homeland Security	1,696	33	947	112	204	25	62	74	239
Science and Technology Directorate	1,685	22	947	112	204	25	62	74	239
U.S. Coast Guard	11	11	0	0	0	0	0	0	0
Other agencies									
National Aeronautics and Space Administration	250,769	38,624	18,910	6,886	24,409	1,661	0	1,591	158,688
National Science Foundation	169,207	1,710	6,622	35,182	5,017	739	16,675	21,016	82,246

nec = not elsewhere classified.

NOTES: Seven agencies are required to report data for this section of survey: Departments of Agriculture, Defense, Energy, Health and Human Services, and Homeland Security; National Aeronautics and Space Administration; and National Science Foundation. Applied research obligations of these seven agencies represented approximately 94% of total federal applied research obligations to universities and colleges in FY 2004. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 74. Preliminary federal obligations for applied research performed at universities and colleges, by selected agency and field of science and engineering: FY 2005

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
All agencies	9,182,039	223,143	6,660,999	235,363	289,471	448,951	145,147	307,077	871,888
Departments									
Department of Agriculture	448,265	6,013	379,683	800	15,526	0	35,539	555	10,149
Agricultural Research Service	38,604	170	35,466	50	2,571	0	0	0	347
Cooperative State Research, Education, and Extension Service	385,930	5,214	330,244	0	12,678	0	28,478	0	9,316
Economic Research Service	4,933	0	0	0	0	0	4,933	0	0
Foreign Agricultural Service	509	0	509	0	0	0	0	0	0
Forest Service	17,955	629	13,464	416	277	0	2,128	555	486
National Agricultural Statistics Service	334	0	0	334	0	0	0	0	0
Department of Defense	761,671	29,159	191,499	152,388	52,401	2,864	206	310	332,844
Defense agencies and activities	353,762	2,902	66,667	142,720	32,967	2,709	0	310	105,487
Chemical and Biological Defense	17,753	0	16,899	0	854	0	0	0	0
Defense Advanced Research Projects Agency	293,930	826	28,925	136,387	28,905	633	0	0	98,254
Defense Threat Reduction Agency	2,996	0	600	104	982	0	0	310	1,000
Special Operations Command	400	0	400	0	0	0	0	0	0
Washington Headquarters Services	38,683	2,076	19,843	6,229	2,226	2,076	0	0	6,233
Department of the Air Force	20,797	1,331	0	1,184	3,368	0	0	0	14,914
Materiel Command	20,797	1,331	0	1,184	3,368	0	0	0	14,914
Department of the Army	191,194	8,331	116,610	4,286	14,904	155	206	0	46,702
Department of the Navy	195,918	16,595	8,222	4,198	1,162	0	0	0	165,741
Department of Energy	157,935	17,248	0	0	85,218	0	0	0	55,469
Energy Efficiency and Renewable Energy	25,727	0	0	0	0	0	0	0	25,727
Environmental Management	163	163	0	0	0	0	0	0	0
Fossil Energy	38,700	12,435	0	0	10,070	0	0	0	16,195
National Nuclear Security Administration	80,327	4,650	0	0	75,148	0	0	0	529
Defense Programs	72,648	0	0	0	72,648	0	0	0	0
Nonproliferation and Verification	7,679	4,650	0	0	2,500	0	0	0	529
Nuclear Energy	13,018	0	0	0	0	0	0	0	13,018
Department of Health and Human Services	7,376,843	129,317	6,062,011	37,984	105,729	443,569	91,787	282,391	224,055
Administration for Children and Families	17,371	0	0	0	0	0	17,371	0	0
Agency for Healthcare Research and Quality	76,031	0	54,896	772	0	286	8,587	11,456	34
Agency for Toxic Substances and Disease Registry	2,940	1,214	1,726	0	0	0	0	0	0
Centers for Disease Control and Prevention	253,517	0	253,517	0	0	0	0	0	0

TABLE 74. Preliminary federal obligations for applied research performed at universities and colleges, by selected agency and field of science and engineering: FY 2005

(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
Centers for Medicare and Medicaid Services	4,686	0	4,686	0	0	0	0	0	0
Food and Drug Administration	19,745	0	19,745	0	0	0	0	0	0
Health Resources and Services Administration	10,748	0	10,748	0	0	0	0	0	0
National Institutes of Health	6,988,385	128,103	5,716,693	37,212	105,729	443,283	62,409	270,935	224,021
Office of the Secretary	3,420	0	0	0	0	0	3,420	0	0
Office of the Assistant Secretary, Planning and Evaluation	3,420	0	0	0	0	0	3,420	0	0
Department of Homeland Security	2,619	35	1,472	174	316	39	96	115	372
Science and Technology Directorate	2,619	35	1,472	174	316	39	96	115	372
Other agencies									
National Aeronautics and Space Administration	256,935	39,574	19,376	7,054	25,010	1,702	0	1,630	162,589
National Science Foundation	177,771	1,797	6,958	36,963	5,271	777	17,519	22,076	86,410

nec = not elsewhere classified.

NOTES: Seven agencies are required to report data for this section of survey: Departments of Agriculture, Defense, Energy, Health and Human Services, and Homeland Security; National Aeronautics and Space Administration; and National Science Foundation. Applied research obligations of these seven agencies represented approximately 95% of total federal applied research obligations to universities and colleges in FY 2005. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 75. Preliminary federal obligations for applied research performed at universities and colleges, by selected agency and field of science and engineering: FY 2006

(Dollars in thousands)

Agency	Total	Mathematics							
		Environmental sciences	Life sciences	and computer sciences	Physical sciences	Psychology	Social sciences	Other sciences, nec	Engineering
All agencies	8,935,201	212,574	6,502,775	247,093	254,718	455,211	137,202	311,100	814,528
Departments									
Department of Agriculture	307,238	5,181	256,150	772	10,997	0	26,441	555	7,142
Agricultural Research Service	17,012	75	15,629	22	1,133	0	0	0	153
Cooperative State Research, Education, and Extension Service	265,395	4,477	226,548	0	9,587	0	18,280	0	6,503
Economic Research Service	5,533	0	0	0	0	0	5,533	0	0
Foreign Agricultural Service	509	0	509	0	0	0	0	0	0
Forest Service	17,955	629	13,464	416	277	0	2,128	555	486
National Agricultural Statistics Service	334	0	0	334	0	0	0	0	0
Rural Business-Cooperative Service	500	0	0	0	0	0	500	0	0
Department of Defense	571,976	15,275	69,119	163,576	46,543	2,119	192	233	274,919
Defense agencies and activities	373,962	2,312	61,486	156,839	36,223	2,096	0	233	114,773
Chemical and Biological Defense	19,719	0	17,905	0	1,814	0	0	0	0
Defense Advanced Research Projects Agency	328,877	924	32,342	152,604	32,364	708	0	0	109,935
Defense Threat Reduction Agency	2,030	0	401	70	657	0	0	233	669
Special Operations Command	90	0	90	0	0	0	0	0	0
Washington Headquarters Services	23,246	1,388	10,748	4,165	1,388	1,388	0	0	4,169
Department of the Air Force	21,261	1,111	0	1,209	3,239	0	0	0	15,702
Materiel Command	21,261	1,111	0	1,209	3,239	0	0	0	15,702
Department of the Army	38,559	148	1,833	2,566	6,261	23	192	0	27,536
Department of the Navy	138,194	11,704	5,800	2,962	820	0	0	0	116,908
Department of Energy	123,232	16,970	0	0	58,000	0	0	0	48,262
Energy Efficiency and Renewable Energy	27,098	0	0	0	0	0	0	0	27,098
Environmental Management	185	185	0	0	0	0	0	0	0
Fossil Energy	36,712	12,135	0	0	9,942	0	0	0	14,635
National Nuclear Security Administration	53,237	4,650	0	0	48,058	0	0	0	529
Defense Programs	45,558	0	0	0	45,558	0	0	0	0
Nonproliferation and Verification	7,679	4,650	0	0	2,500	0	0	0	529
Nuclear Energy	6,000	0	0	0	0	0	0	0	6,000
Department of Health and Human Services	7,484,327	131,782	6,148,795	38,565	107,382	450,496	93,127	286,624	227,556
Administration for Children and Families	17,736	0	0	0	0	0	17,736	0	0
Agency for Healthcare Research and Quality	76,031	0	54,896	772	0	286	8,587	11,456	34
Agency for Toxic Substances and Disease Registry	3,057	1,677	1,380	0	0	0	0	0	0
Centers for Disease Control and Prevention	253,517	0	253,517	0	0	0	0	0	0

TABLE 75. Preliminary federal obligations for applied research performed at universities and colleges, by selected agency and field of science and engineering: FY 2006
(Dollars in thousands)

Agency	Total	Environmental sciences	Life sciences	Mathematics			Social sciences	Other sciences, nec	Engineering
				and computer sciences	Physical sciences	Psychology			
Centers for Medicare and Medicaid Services	2,710	0	2,710	0	0	0	0	0	0
Food and Drug Administration	19,524	0	19,524	0	0	0	0	0	0
Health Resources and Services Administration	10,748	0	10,748	0	0	0	0	0	0
National Institutes of Health	7,097,584	130,105	5,806,020	37,793	107,382	450,210	63,384	275,168	227,522
Office of the Secretary	3,420	0	0	0	0	0	3,420	0	0
Office of the Assistant Secretary, Planning and Evaluation	3,420	0	0	0	0	0	3,420	0	0
Department of Homeland Security	2,630	35	1,478	175	317	39	96	116	374
Science and Technology Directorate	2,630	35	1,478	175	317	39	96	116	374
Other agencies									
National Aeronautics and Space Administration	269,781	41,552	20,344	7,407	26,260	1,788	0	1,712	170,718
National Science Foundation	176,017	1,779	6,889	36,598	5,219	769	17,346	21,860	85,557

nec = not elsewhere classified.

NOTES: Seven agencies are required to report data for this section of survey: Departments of Agriculture, Defense, Energy, Health and Human Services, and Homeland Security; National Aeronautics and Space Administration; and National Science Foundation. Applied research obligations of these seven agencies represented approximately 95% of total federal applied research obligations to universities and colleges in FY 2006. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 76. Federal obligations for applied research performed at universities and colleges in environmental and physical sciences, by selected agency and detailed field: FY 2004

(Dollars in thousands)

Agency	Environmental sciences					Physical sciences				
	Total	Atmospheric sciences	Geological sciences	Oceanography	Environmental sciences, nec	Total	Astronomy	Chemistry	Physics	Physical sciences, nec
All agencies	232,352	39,106	11,595	19,643	162,008	265,009	16,471	136,632	22,202	89,704
Departments										
Department of Agriculture	5,390	5,386	4	0	0	11,455	0	11,337	118	0
Agricultural Research Service	168	164	4	0	0	2,538	0	2,420	118	0
Cooperative State Research, Education, and Extension Service	4,592	4,592	0	0	0	8,639	0	8,639	0	0
Forest Service	630	630	0	0	0	278	0	278	0	0
Department of Defense	27,434	6,742	777	11,305	8,610	47,530	3	14,026	14,153	19,348
Defense agencies and activities	2,612	1,240	0	976	396	26,491	0	4,392	7,498	14,601
Defense Advanced Research Projects Agency	660	264	0	0	396	23,127	0	3,416	5,110	14,601
Defense Threat Reduction Agency	0	0	0	0	0	1,412	0	0	1,412	0
Washington Headquarters Services	1,952	976	0	976	0	1,952	0	976	976	0
Department of the Air Force	1,222	504	718	0	0	3,190	3	165	3,022	0
Materiel Command	1,222	504	718	0	0	3,190	3	165	3,022	0
Department of the Army	10,688	3,967	59	0	6,662	16,944	0	9,469	3,633	3,842
Department of the Navy	12,912	1,031	0	10,329	1,552	905	0	0	0	905
Department of Energy	31,295	0	8,033	0	23,262	72,803	0	10,417	0	62,386
Environmental Management	10,320	0	0	0	10,320	0	0	0	0	0
Fossil Energy	12,942	0	0	0	12,942	10,417	0	10,417	0	0
National Nuclear Security Administration	8,033	0	8,033	0	0	62,386	0	0	0	62,386
Defense Programs	0	0	0	0	0	62,386	0	0	0	62,386
Nonproliferation and Verification	8,033	0	8,033	0	0	0	0	0	0	0
Department of Health and Human Services	127,866	0	0	0	127,866	103,591	0	98,319	0	5,272
Agency for Toxic Substances and Disease Registry	2,354	0	0	0	2,354	0	0	0	0	0
National Institutes of Health	125,512	0	0	0	125,512	103,591	0	98,319	0	5,272
Department of Homeland Security	33	7	7	0	19	204	0	152	50	2
Science and Technology Directorate	22	7	7	0	8	204	0	152	50	2
U.S. Coast Guard	11	0	0	0	11	0	0	0	0	0
Other agencies										
National Aeronautics and Space Administration	38,624	26,643	2,618	7,132	2,231	24,409	16,468	832	5,984	1,125
National Science Foundation	1,710	328	156	1,206	20	5,017	0	1,549	1,897	1,571

nec = not elsewhere classified.

NOTES: Seven agencies are required to report data for this section of survey: Departments of Agriculture, Defense, Energy, Health and Human Services, and Homeland Security; National Aeronautics and Space Administration; and National Science Foundation. Applied research obligations of these seven agencies represented approximately 94% of total federal applied research obligations to universities and colleges in FY 2004. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 77. Federal obligations for applied research performed at universities and colleges in life sciences and psychology, by selected agency and detailed field: FY 2004

(Dollars in thousands)

Agency	Life sciences						Psychology			
	Total	Agricultural sciences	Biological sciences ^a	Environmental biology	Medical sciences	Life sciences, nec	Total	Biological aspects	Social aspects	Psychological sciences, nec
All agencies	6,389,956	160,593	2,977,208	69,192	2,754,418	428,545	439,498	1,488	3,264	434,746
Departments										
Department of Agriculture	295,071	159,440	71,969	59,943	3,719	0	0	0	0	0
Agricultural Marketing Service	215	215	0	0	0	0	0	0	0	0
Agricultural Research Service	35,005	27,194	2,439	4,751	621	0	0	0	0	0
Cooperative State Research, Education, and Extension Service	245,878	131,455	61,863	49,462	3,098	0	0	0	0	0
Foreign Agricultural Service	509	509	0	0	0	0	0	0	0	0
Forest Service	13,464	67	7,667	5,730	0	0	0	0	0	0
Department of Defense	79,660	1,035	22,122	1,762	49,343	5,398	2,481	1,482	976	23
Defense agencies and activities	51,547	976	20,087	1,526	28,224	734	2,458	1,482	976	0
Chemical and Biological Defense	7,404	0	0	0	7,404	0	0	0	0	0
Defense Advanced Research Projects Agency	23,773	0	18,511	1,526	3,736	0	506	506	0	0
Defense Threat Reduction Agency	650	0	0	0	0	650	0	0	0	0
Special Operations Command	84	0	0	0	0	84	0	0	0	0
Washington Headquarters Services	19,636	976	1,576	0	17,084	0	1,952	976	976	0
Department of the Army	21,715	59	1,368	236	20,052	0	23	0	0	23
Department of the Navy	6,398	0	667	0	1,067	4,664	0	0	0	0
Department of Energy	3,500	0	3,500	0	0	0	0	0	0	0
National Nuclear Security Administration	3,500	0	3,500	0	0	0	0	0	0	0
Nonproliferation and Verification	3,500	0	3,500	0	0	0	0	0	0	0
Department of Health and Human Services	5,985,246	0	2,871,150	1,722	2,690,162	422,212	434,592	0	30	434,562
Agency for Healthcare Research and Quality	52,310	0	0	0	52,285	25	273	0	30	243
Agency for Toxic Substances and Disease Registry	1,747	0	0	1,722	25	0	0	0	0	0
Centers for Disease Control and Prevention	297,744	0	0	0	297,744	0	0	0	0	0
Centers for Medicare and Medicaid Services	4,374	0	0	0	0	4,374	0	0	0	0
Food and Drug Administration	17,241	0	17,241	0	0	0	0	0	0	0
Health Resources and Services Administration	10,748	0	0	0	5,749	4,999	0	0	0	0
National Institutes of Health	5,601,082	0	2,853,909	0	2,334,359	412,814	434,319	0	0	434,319
Department of Homeland Security	947	42	868	14	18	5	25	6	15	4
Science and Technology Directorate	947	42	868	14	18	5	25	6	15	4

TABLE 77. Federal obligations for applied research performed at universities and colleges in life sciences and psychology, by selected agency and detailed field: FY 2004

(Dollars in thousands)

Agency	Life sciences						Psychology			
	Total	Agricultural sciences	Biological sciences ^a	Environmental biology	Medical sciences	Life sciences, nec	Total	Biological aspects	Social aspects	Psychological sciences, nec
Other agencies										
National Aeronautics and Space Administration	18,910	76	6,150	578	11,176	930	1,661	0	1,504	157
National Science Foundation	6,622	0	1,449	5,173	0	0	739	0	739	0

nec = not elsewhere classified.

^a Excluding environmental biology.

NOTES: Seven agencies are required to report data for this section of survey: Departments of Agriculture, Defense, Energy, Health and Human Services, and Homeland Security; National Aeronautics and Space Administration; and National Science Foundation. Applied research obligations of these seven agencies represented approximately 94% of total federal applied research obligations to universities and colleges in FY 2004. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 78. Federal obligations for applied research performed at universities and colleges in mathematics and computer sciences and in social sciences, by selected agency and detailed field: FY 2004
(Dollars in thousands)

Agency	Mathematics and computer sciences				Social sciences					
	Total	Computer sciences	Mathematics	Mathematics and computer sciences, nec	Total	Anthropology	Economics	Political science	Sociology	Social sciences, nec
All agencies	204,332	151,298	47,773	5,261	139,935	636	33,037	682	7,044	98,536
Departments										
Department of Agriculture	799	0	799	0	33,419	0	27,172	0	6,247	0
Agricultural Research Service	50	0	50	0	0	0	0	0	0	0
Cooperative State Research, Education, and Extension Service	0	0	0	0	26,074	0	19,897	0	6,177	0
Economic Research Service	0	0	0	0	5,112	0	5,112	0	0	0
Forest Service	415	0	415	0	2,127	0	2,057	0	70	0
National Agricultural Statistics Service	334	0	334	0	0	0	0	0	0	0
Rural Business-Cooperative Service	0	0	0	0	106	0	106	0	0	0
Department of Defense	124,158	114,129	9,350	679	236	0	0	0	0	236
Defense agencies and activities	115,084	106,393	8,631	60	0	0	0	0	0	0
Chemical and Biological Defense	70	70	0	0	0	0	0	0	0	0
Defense Advanced Research Projects Agency	109,097	103,395	5,702	0	0	0	0	0	0	0
Defense Threat Reduction Agency	60	0	0	60	0	0	0	0	0	0
Washington Headquarters Services	5,857	2,928	2,929	0	0	0	0	0	0	0
Department of the Air Force	1,110	898	72	140	0	0	0	0	0	0
Materiel Command	1,110	898	72	140	0	0	0	0	0	0
Department of the Army	4,697	3,571	647	479	236	0	0	0	0	236
Department of the Navy	3,267	3,267	0	0	0	0	0	0	0	0
Department of Health and Human Services	37,195	736	36,459	0	89,543	22	2,853	32	25	86,611
Administration for Children and Families	0	0	0	0	17,014	0	0	0	0	17,014
Agency for Healthcare Research and Quality	736	736	0	0	8,184	22	2,853	32	25	5,252
National Institutes of Health	36,459	0	36,459	0	61,146	0	0	0	0	61,146
Office of the Secretary	0	0	0	0	3,199	0	0	0	0	3,199
Office of the Assistant Secretary, Planning and Evaluation	0	0	0	0	3,199	0	0	0	0	3,199
Department of Homeland Security	112	66	28	18	62	2	27	15	9	9
Science and Technology Directorate	112	66	28	18	62	2	27	15	9	9
Other agencies										
National Aeronautics and Space Administration	6,886	2,058	264	4,564	0	0	0	0	0	0
National Science Foundation	35,182	34,309	873	0	16,675	612	2,985	635	763	11,680

nec = not elsewhere classified.

NOTES: Seven agencies are required to report data for this section of survey: Departments of Agriculture, Defense, Energy, Health and Human Services, and Homeland Security; National Aeronautics and Space Administration; and National Science Foundation. Applied research obligations of these seven agencies represented approximately 94% of total federal applied research obligations to universities and colleges in FY 2004. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 79. Federal obligations for applied research performed at universities and colleges in engineering, by selected agency and detailed field: FY 2004

(Dollars in thousands)

Agency	Total	Aeronautical engineering	Astronautical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgy and materials engineering	Engineering, nec
All agencies	791,461	117,252	53,665	34,087	18,888	86,156	21,412	40,183	419,818
Departments									
Department of Agriculture	8,129	0	0	181	53	30	38	0	7,827
Agricultural Research Service	342	0	0	171	53	30	38	0	50
Cooperative State Research, Education, and Extension Service	7,301	0	0	0	0	0	0	0	7,301
Forest Service	486	0	0	10	0	0	0	0	476
Department of Defense	272,296	16,550	1,482	5,363	3,629	67,150	19,736	38,742	119,644
Defense agencies and activities	86,414	5,138	0	2,683	1,466	31,724	6,372	21,871	17,160
Defense Advanced Research Projects Agency	78,408	5,138	0	1,217	0	30,258	4,903	21,871	15,021
Defense Threat Reduction Agency	2,139	0	0	0	0	0	0	0	2,139
Washington Headquarters Services	5,867	0	0	1,466	1,466	1,466	1,469	0	0
Department of the Air Force	14,979	7,050	429	0	106	2,530	1,107	3,510	247
Materiel Command	14,979	7,050	429	0	106	2,530	1,107	3,510	247
Department of the Army	41,938	63	0	2,680	2,057	14,084	8,165	7,041	7,848
Department of the Navy	128,965	4,299	1,053	0	0	18,812	4,092	6,320	94,389
Department of Energy	50,340	0	0	16,030	4,983	3,308	29	296	25,694
Energy Efficiency and Renewable Energy	25,102	0	0	0	4,983	3,308	29	33	16,749
Fossil Energy	15,814	0	0	15,814	0	0	0	0	0
National Nuclear Security Administration	679	0	0	216	0	0	0	263	200
Nonproliferation and Verification	679	0	0	216	0	0	0	263	200
Nuclear Energy	8,745	0	0	0	0	0	0	0	8,745
Department of Health and Human Services	219,523	0	0	0	0	0	0	0	219,523
Agency for Healthcare Research and Quality	32	0	0	0	0	0	0	0	32
National Institutes of Health	219,491	0	0	0	0	0	0	0	219,491
Department of Homeland Security	239	133	0	6	8	6	6	3	77
Science and Technology Directorate	239	133	0	6	8	6	6	3	77
Other agencies									
National Aeronautics and Space Administration	158,688	100,569	52,183	43	3	1,390	929	325	3,246
National Science Foundation	82,246	0	0	12,464	10,212	14,272	674	817	43,807

nec = not elsewhere classified.

NOTES: Seven agencies are required to report data for this section of survey: Departments of Agriculture, Defense, Energy, Health and Human Services, and Homeland Security; National Aeronautics and Space Administration; and National Science Foundation. Applied research obligations of these seven agencies represented approximately 94% of total federal applied research obligations to universities and colleges in FY 2004. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 80. Federal obligations for research and development to foreign performers, by region, country/economy, and agency: FY 2004
(Dollars in thousands)

Region and country/economy	Total	DHS	DOD	DOE	HHS	NASA	NSF	USDA	Other ^a
All areas and organizations	677,936	448	266,003	2,729	348,588	36,241	11,534	4,146	8,247
Africa	24,448	0	2,140	0	22,301	0	0	7	0
Egypt	216	0	0	0	216	0	0	0	0
Gambia	1,732	0	1,678	0	54	0	0	0	0
Ghana	2,029	0	110	0	1,919	0	0	0	0
Kenya	593	0	285	0	308	0	0	0	0
Malawi	294	0	0	0	294	0	0	0	0
Mali	25	0	0	0	25	0	0	0	0
Mozambique	52	0	0	0	52	0	0	0	0
Niger	36	0	36	0	0	0	0	0	0
Nigeria	25	0	0	0	25	0	0	0	0
Senegal	527	0	0	0	527	0	0	0	0
South Africa	18,471	0	31	0	18,433	0	0	7	0
Uganda	448	0	0	0	448	0	0	0	0
North America	110,703	0	28,978	685	74,158	790	2,788	495	2,809
Bermuda	2,210	0	0	0	0	0	2,210	0	0
Canada	97,292	0	27,526	685	66,584	748	578	123	1,048
Costa Rica	3,632	0	0	0	3,534	40	0	58	0
Haiti	1,874	0	0	0	1,874	0	0	0	0
Jamaica	726	0	0	0	726	0	0	0	0
Mexico	3,530	0	13	0	1,440	2	0	314	1,761
Panama	206	0	206	0	0	0	0	0	0
U.S., other territories and possessions	1,233	0	1,233	0	0	0	0	0	0
South America	5,174	0	69	0	4,055	118	614	259	59
Argentina	487	0	0	0	479	0	0	8	0
Bolivia	10	0	10	0	0	0	0	0	0
Brazil	1,884	0	59	0	1,089	93	550	34	59
Chile	743	0	0	0	587	0	0	156	0
Colombia	1,130	0	0	0	1,056	0	64	10	0
Ecuador	42	0	0	0	0	0	0	42	0
Peru	770	0	0	0	736	25	0	9	0
Uruguay	108	0	0	0	108	0	0	0	0
Asia	149,526	0	136,141	0	12,375	88	263	461	198
Bangladesh	175	0	0	0	150	0	0	25	0
Cambodia	213	0	213	0	0	0	0	0	0
China	4,515	0	44	0	4,098	0	0	373	0
Georgia	12	0	0	0	0	0	0	12	0
Hong Kong	465	0	0	0	465	0	0	0	0
India	972	0	0	0	970	2	0	0	0
Indonesia	38	0	0	0	0	0	38	0	0
Israel	139,086	0	134,156	0	4,745	71	108	6	0
Japan	1,615	0	996	0	579	15	0	0	25
Korea, Democratic People's Republic of	427	0	140	0	287	0	0	0	0
Korea, Republic of	4	0	4	0	0	0	0	0	0
Lebanon	20	0	0	0	0	0	0	20	0
Mongolia	173	0	0	0	0	0	0	0	173
Philippines	250	0	0	0	250	0	0	0	0
Singapore	763	0	439	0	324	0	0	0	0
Syrian Arab Republic	20	0	0	0	0	0	0	20	0
Taiwan	399	0	0	0	399	0	0	0	0

TABLE 80. Federal obligations for research and development to foreign performers, by region, country/economy, and agency: FY 2004
(Dollars in thousands)

Region and country/economy	Total	DHS	DOD	DOE	HHS	NASA	NSF	USDA	Other ^a
Thailand	257	0	149	0	108	0	0	0	0
Turkey	117	0	0	0	0	0	117	0	0
Uzbekistan	5	0	0	0	0	0	0	5	0
Europe	332,404	448	90,009	1,786	204,560	20,110	7,849	2,511	5,131
Austria	3,940	0	1,807	0	298	0	1,800	15	20
Belgium	2,708	0	37	0	2,671	0	0	0	0
Bosnia and Herzegovina	64	0	64	0	0	0	0	0	0
Bulgaria	254	0	0	0	54	0	0	0	200
Czech Republic	94	0	40	0	54	0	0	0	0
Denmark	83,493	0	247	186	82,303	7	750	0	0
Estonia	54	0	0	0	54	0	0	0	0
Finland	4,159	0	100	0	4,059	0	0	0	0
France	11,317	0	1,808	0	3,311	918	3,983	171	1,126
Germany	8,678	0	4,719	0	2,276	687	900	0	96
Greece	128	0	63	0	0	0	0	65	0
Hungary	272	0	250	0	0	22	0	0	0
Iceland	8,024	0	30	0	7,994	0	0	0	0
Ireland	2,426	0	273	0	2,153	0	0	0	0
Italy	5,778	0	534	0	4,432	2	25	784	1
Lithuania	50	0	50	0	0	0	0	0	0
Netherlands	4,187	0	1,910	0	2,193	38	0	0	46
Norway	10,695	0	8,974	0	0	467	0	0	1,254
Poland	116	0	30	0	54	0	0	32	0
Portugal	2	0	2	0	0	0	0	0	0
Russia Federation	1,708	0	487	35	682	0	0	38	466
Spain	19,059	0	377	0	1,079	17,598	0	0	5
Sweden	25,884	0	18,062	0	7,560	0	253	9	0
Switzerland	5,218	0	1,553	0	2,041	14	0	12	1,598
Ukraine	42	0	42	0	0	0	0	0	0
United Kingdom	134,054	448	48,550	1,565	81,292	357	138	1,385	319
Oceania	55,039	0	8,125	258	31,038	15,135	20	413	50
American Samoa	476	0	476	0	0	0	0	0	0
Australia	53,635	0	7,100	258	30,696	15,135	20	376	50
Marshall Islands	300	0	300	0	0	0	0	0	0
New Zealand	595	0	249	0	342	0	0	4	0
Other Oceania	33	0	0	0	0	0	0	33	0
International organizations	642	0	541	0	101	0	0	0	0

DHS = Department of Homeland Security; DOD = Department of Defense; DOE = Department of Energy; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; NSF = National Science Foundation; USDA = Department of Agriculture.

^a Includes data for Departments of Commerce, Interior, and Transportation; Environmental Protection Agency; and Nuclear Regulatory Commission.

NOTE: Data for only those countries and agencies that had obligations in variables represented by this table appear in table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 81. Federal obligations for basic research to foreign performers, by region, country/economy, and agency: FY 2004

(Dollars in thousands)

Region and country/economy	Total	DHS	DOC	DOD	DOE	DOT	EPA	HHS	NASA	NSF	USDA
All areas and organizations	232,295	448	5	11,414	1,729	25	314	190,304	17,122	8,990	1,944
Africa	12,881	0	0	633	0	0	0	12,245	0	0	3
Egypt	119	0	0	0	0	0	0	119	0	0	0
Gambia	516	0	0	487	0	0	0	29	0	0	0
Ghana	1,163	0	0	110	0	0	0	1,053	0	0	0
Kenya	169	0	0	0	0	0	0	169	0	0	0
Malawi	162	0	0	0	0	0	0	162	0	0	0
Mali	14	0	0	0	0	0	0	14	0	0	0
Mozambique	29	0	0	0	0	0	0	29	0	0	0
Niger	36	0	0	36	0	0	0	0	0	0	0
Nigeria	14	0	0	0	0	0	0	14	0	0	0
Senegal	289	0	0	0	0	0	0	289	0	0	0
South Africa	10,124	0	0	0	0	0	0	10,121	0	0	3
Uganda	246	0	0	0	0	0	0	246	0	0	0
North America	47,289	0	0	3,654	625	0	0	39,735	235	2,788	252
Bermuda	2,210	0	0	0	0	0	0	0	0	2,210	0
Canada	39,319	0	0	2,275	625	0	0	35,576	209	578	56
Costa Rica	1,978	0	0	0	0	0	0	1,941	25	0	12
Haiti	1,029	0	0	0	0	0	0	1,029	0	0	0
Jamaica	398	0	0	0	0	0	0	398	0	0	0
Mexico	989	0	0	13	0	0	0	791	1	0	184
Panama	133	0	0	133	0	0	0	0	0	0	0
U.S., other territories and possessions	1,233	0	0	1,233	0	0	0	0	0	0	0
South America	3,095	0	0	59	0	0	10	2,226	74	614	112
Argentina	267	0	0	0	0	0	0	263	0	0	4
Brazil	1,278	0	0	59	0	0	10	598	58	550	3
Chile	397	0	0	0	0	0	0	322	0	0	75
Colombia	649	0	0	0	0	0	0	580	0	64	5
Ecuador	21	0	0	0	0	0	0	0	0	0	21
Peru	424	0	0	0	0	0	0	404	16	0	4
Uruguay	59	0	0	0	0	0	0	59	0	0	0
Asia	7,944	0	0	646	0	25	30	6,794	3	259	187
Bangladesh	94	0	0	0	0	0	0	82	0	0	12
China	2,439	0	0	44	0	0	0	2,250	0	0	145
Georgia	5	0	0	0	0	0	0	0	0	0	5
Hong Kong	255	0	0	0	0	0	0	255	0	0	0
India	534	0	0	0	0	0	0	533	1	0	0
Indonesia	34	0	0	0	0	0	0	0	0	34	0
Israel	2,865	0	0	147	0	0	0	2,605	2	108	3
Japan	758	0	0	415	0	25	0	318	0	0	0
Korea, Democratic People's Republic of	178	0	0	20	0	0	0	158	0	0	0
Lebanon	10	0	0	0	0	0	0	0	0	0	10
Mongolia	30	0	0	0	0	0	30	0	0	0	0
Philippines	137	0	0	0	0	0	0	137	0	0	0
Singapore	198	0	0	20	0	0	0	178	0	0	0
Syrian Arab Republic	10	0	0	0	0	0	0	0	0	0	10
Taiwan	219	0	0	0	0	0	0	219	0	0	0
Thailand	59	0	0	0	0	0	0	59	0	0	0
Turkey	117	0	0	0	0	0	0	0	0	117	0
Uzbekistan	2	0	0	0	0	0	0	0	0	0	2

TABLE 81. Federal obligations for basic research to foreign performers, by region, country/economy, and agency: FY 2004

(Dollars in thousands)

Region and country/economy	Total	DHS	DOC	DOD	DOE	DOT	EPA	HHS	NASA	NSF	USDA
Europe	135,762	448	5	5,979	846	0	274	112,208	9,498	5,309	1,195
Austria	287	0	0	123	0	0	0	164	0	0	0
Belgium	1,502	0	0	35	0	0	0	1,467	0	0	0
Bosnia and Herzegovina	64	0	0	64	0	0	0	0	0	0	0
Bulgaria	64	0	0	0	0	0	34	30	0	0	0
Czech Republic	30	0	0	0	0	0	0	30	0	0	0
Denmark	45,580	0	0	155	186	0	0	45,189	0	50	0
Estonia	30	0	0	0	0	0	0	30	0	0	0
Finland	2,229	0	0	0	0	0	0	2,229	0	0	0
France	6,491	0	0	164	0	0	9	1,818	447	3,983	70
Germany	2,836	0	0	432	0	0	0	1,250	294	860	0
Greece	90	0	0	58	0	0	0	0	0	0	32
Hungary	155	0	0	150	0	0	0	0	5	0	0
Iceland	4,419	0	0	30	0	0	0	4,389	0	0	0
Ireland	1,455	0	0	273	0	0	0	1,182	0	0	0
Italy	3,225	0	0	382	0	0	0	2,433	1	25	384
Lithuania	50	0	0	50	0	0	0	0	0	0	0
Netherlands	1,348	0	0	126	0	0	8	1,204	10	0	0
Norway	281	0	0	129	0	0	0	0	152	0	0
Poland	77	0	0	30	0	0	0	30	0	0	17
Portugal	2	0	0	2	0	0	0	0	0	0	0
Russia Federation	483	0	0	55	35	0	0	375	0	0	18
Spain	9,292	0	5	194	0	0	0	592	8,501	0	0
Sweden	4,613	0	0	205	0	0	0	4,151	0	253	4
Switzerland	1,354	0	0	114	0	0	223	1,011	0	0	6
United Kingdom	49,805	448	0	3,208	625	0	0	44,634	88	138	664
Oceania	25,268	0	0	443	258	0	0	17,040	7,312	20	195
American Samoa	225	0	0	225	0	0	0	0	0	0	0
Australia	24,803	0	0	168	258	0	0	16,852	7,312	20	193
Marshall Islands	50	0	0	50	0	0	0	0	0	0	0
New Zealand	190	0	0	0	0	0	0	188	0	0	2
International organizations	56	0	0	0	0	0	0	56	0	0	0

DHS = Department of Homeland Security; DOC = Department of Commerce; DOD = Department of Defense; DOE = Department of Energy; DOT = Department of Transportation; EPA = Environmental Protection Agency; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; NSF = National Science Foundation; USDA = Department of Agriculture.

NOTES: Data for only those countries that had obligations in variables represented by this table appear in table. This table includes data only for 10 largest agencies funding basic research to foreign performers.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 82. Federal obligations for research and development and for R&D plant for selected agencies, by state and other locations: FY 2004

(Dollars in thousands)

State/location	Total	R&D	R&D plant
All locations	103,042,205	99,062,889	3,979,316
Alabama	2,843,445	2,806,185	37,260
Alaska	387,774	260,950	126,824
Arizona	2,244,028	2,216,321	27,707
Arkansas	148,973	141,282	7,691
California	19,028,805	18,041,137	987,668
Colorado	1,889,115	1,806,218	82,897
Connecticut	2,135,120	2,088,272	46,848
Delaware	86,022	85,414	608
District of Columbia	3,172,939	3,054,815	118,124
Florida	2,860,869	2,739,984	120,885
Georgia	1,324,732	1,308,381	16,351
Hawaii	399,654	392,635	7,019
Idaho	282,414	259,815	22,599
Illinois	1,959,416	1,836,518	122,898
Indiana	548,819	541,136	7,683
Iowa	584,888	477,854	107,034
Kansas	211,310	209,990	1,320
Kentucky	244,709	237,320	7,389
Louisiana	436,657	419,408	17,249
Maine	193,205	188,397	4,808
Maryland	12,635,730	12,163,037	472,693
Massachusetts	5,346,393	5,324,808	21,585
Michigan	1,080,923	1,072,966	7,957
Minnesota	832,089	826,407	5,682
Mississippi	1,604,698	1,593,661	11,037
Missouri	2,984,020	2,979,320	4,700
Montana	190,621	187,224	3,397
Nebraska	156,780	155,268	1,512
Nevada	517,789	510,181	7,608
New Hampshire	360,615	354,013	6,602
New Jersey	2,019,307	1,968,803	50,504
New Mexico	3,338,517	3,069,159	269,358
New York	4,105,429	4,034,084	71,345
North Carolina	1,698,066	1,677,026	21,040
North Dakota	102,998	102,998	0
Ohio	2,524,924	2,505,458	19,466
Oklahoma	321,615	304,010	17,605
Oregon	455,870	448,788	7,082
Pennsylvania	3,309,247	3,282,428	26,819
Rhode Island	507,209	495,259	11,950
South Carolina	381,866	373,316	8,550
South Dakota	80,834	70,036	10,798
Tennessee	1,263,071	1,063,396	199,675
Texas	5,594,634	5,025,951	568,683
Utah	683,264	682,146	1,118
Vermont	212,229	211,661	568
Virginia	6,370,810	6,191,481	179,329
Washington	2,103,233	2,070,868	32,365
West Virginia	300,012	288,687	11,325

TABLE 82. Federal obligations for research and development and for R&D plant for selected agencies, by state and other locations: FY 2004

(Dollars in thousands)

State/location	Total	R&D	R&D plant
Wisconsin	700,809	644,575	56,234
Wyoming	45,962	45,686	276
Outlying areas	130,379	128,788	1,591
Puerto Rico	102,495	100,904	1,591
Other areas	27,884	27,884	0
Offices abroad	99,368	99,368	0

NOTES: Only 11 agencies are required to report data for this section of survey: Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Homeland Security, Interior, and Transportation; Environmental Protection Agency; National Aeronautics and Space Administration; and National Science Foundation. Obligations of these 11 agencies represented over 98% of total federal R&D and R&D plant obligations in FY 2004. Geographic distribution of Department of Defense development funding to industry reflects location of only prime contractors and not numerous subcontractors who perform much of the R&D.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 83. Federal obligations for research and development for selected agencies, by state and other locations and performer: FY 2004
(Dollars in thousands)

State/location	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
All locations	99,062,889	21,495,621	39,143,691	1,527,006	23,883,327	5,389,638	5,336,499	1,423,346	863,761
Alabama	2,806,185	911,349	1,470,801	0	363,776	0	50,517	0	9,742
Alaska	260,950	80,693	69,518	0	89,087	0	9,113	0	12,539
Arizona	2,216,321	263,004	1,579,888	0	286,678	55,697	16,746	0	14,308
Arkansas	141,282	40,834	8,076	0	82,931	0	3,614	0	5,827
California	18,041,137	2,571,673	7,874,995	0	3,331,980	3,048,352	947,548	193,640	72,949
Colorado	1,806,218	277,180	761,557	0	477,370	106,530	58,400	111,773	13,408
Connecticut	2,088,272	29,650	1,563,596	0	462,687	0	24,765	0	7,574
Delaware	85,414	3,236	11,456	0	64,285	0	5,296	0	1,141
District of Columbia	3,054,815	1,641,369	872,477	0	195,260	0	252,714	450	92,545
Florida	2,739,984	553,708	1,550,383	0	548,126	0	62,338	0	25,429
Georgia	1,308,381	251,428	490,091	0	534,960	0	22,237	0	9,665
Hawaii	392,635	79,800	121,136	0	151,178	0	37,846	0	2,675
Idaho	259,815	26,733	60,944	121,031	45,308	0	1,360	0	4,439
Illinois	1,836,518	119,462	183,673	0	918,994	522,500	79,271	0	12,618
Indiana	541,136	76,719	127,163	0	328,015	0	4,673	0	4,566
Iowa	477,854	46,835	76,399	0	272,856	21,381	55,878	0	4,505
Kansas	209,990	30,555	47,462	0	128,107	0	2,008	0	1,858
Kentucky	237,320	11,126	32,277	0	184,681	0	5,714	0	3,522
Louisiana	419,408	89,451	102,070	0	217,590	0	3,506	0	6,791
Maine	188,397	10,486	78,277	0	24,563	0	73,525	0	1,546
Maryland	12,163,037	7,691,998	2,380,042	404,862	1,362,682	0	218,286	120	105,047
Massachusetts	5,324,808	367,835	1,888,359	0	1,359,385	337,461	1,205,100	129,740	36,928
Michigan	1,072,966	110,069	195,221	0	715,647	0	44,655	0	7,374
Minnesota	826,407	50,531	225,208	0	327,884	0	218,147	0	4,637
Mississippi	1,593,661	137,569	1,303,919	0	142,743	0	5,715	0	3,715
Missouri	2,979,320	31,699	2,365,229	0	560,194	0	13,886	0	8,312
Montana	187,224	61,660	38,848	0	74,157	0	8,614	0	3,945
Nebraska	155,268	26,696	10,903	0	106,852	0	5,539	0	5,278
Nevada	510,181	36,089	343,552	0	121,851	0	5,652	0	3,037
New Hampshire	354,013	54,987	147,293	0	146,222	0	3,199	0	2,312
New Jersey	1,968,803	562,416	946,328	0	374,538	52,413	23,851	0	9,257
New Mexico	3,069,159	416,495	342,509	981,657	228,996	1,055,810	16,573	0	27,119
New York	4,034,084	149,717	1,239,110	0	1,917,418	0	354,025	254,325	119,489
North Carolina	1,677,026	393,532	205,821	0	976,864	0	89,807	0	11,002
North Dakota	102,998	26,130	7,699	0	66,290	0	1,369	0	1,510
Ohio	2,505,458	751,194	830,113	0	677,766	0	230,607	0	15,778
Oklahoma	304,010	89,421	73,996	0	104,630	0	31,320	0	4,643
Oregon	448,788	64,717	55,243	0	286,929	0	36,665	0	5,234
Pennsylvania	3,282,428	170,981	1,205,256	0	1,491,130	27,794	373,046	0	14,221
Rhode Island	495,259	259,668	51,553	0	113,817	0	68,292	0	1,929
South Carolina	373,316	53,949	96,126	19,456	161,237	0	33,919	0	8,629
South Dakota	70,036	15,666	4,621	0	33,325	0	3,846	0	12,578
Tennessee	1,063,396	49,538	140,980	0	417,693	15,268	66,498	361,141	12,278
Texas	5,025,951	259,608	3,301,999	0	1,302,878	0	116,465	5,977	39,024
Utah	682,146	94,564	357,663	0	222,734	0	4,388	0	2,797
Vermont	211,661	3,625	116,859	0	83,299	0	3,488	0	4,390
Virginia	6,191,481	1,975,524	3,250,001	0	457,887	135,904	108,668	210,224	53,273
Washington	2,070,868	221,521	726,118	0	669,960	0	284,561	155,956	12,752
West Virginia	288,687	130,966	86,325	0	49,007	0	17,454	0	4,935

TABLE 83. Federal obligations for research and development for selected agencies, by state and other locations and performer: FY 2004
(Dollars in thousands)

State/location	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Wisconsin	644,575	56,372	72,858	0	486,511	0	17,639	0	11,195
Wyoming	45,686	8,127	1,911	0	26,698	0	6,285	0	2,665
Outlying areas	128,788	15,555	6,374	0	95,274	10,528	226	0	831
Puerto Rico	100,904	5,686	103	0	83,840	10,528	16	0	731
Other areas	27,884	9,869	6,271	0	11,434	0	210	0	100
Offices abroad	99,368	41,911	43,415	0	12,397	0	1,645	0	0

FFRDC = federally funded research and development center.

^a Includes costs associated with administration of intramural and extramural programs by federal personnel and actual intramural performance.

NOTES: Only 11 agencies are required to report data for this section of survey: Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Homeland Security, Interior, and Transportation; Environmental Protection Agency; National Aeronautics and Space Administration; and National Science Foundation. Obligations of these 11 agencies represented over 98% of total federal R&D and R&D plant obligations in FY 2004. Geographic distribution of Department of Defense development funding to industry reflects location of only prime contractors and not numerous subcontractors who perform much of the R&D.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 84. Percentage distribution of federal obligations for research and development for selected agencies, by performer, by state and other locations: FY 2004

State/location	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
All locations	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Alabama	2.8	4.2	3.8	0.0	1.5	0.0	0.9	0.0	1.1
Alaska	0.3	0.4	0.2	0.0	0.4	0.0	0.2	0.0	1.5
Arizona	2.2	1.2	4.0	0.0	1.2	1.0	0.3	0.0	1.7
Arkansas	0.1	0.2	0.0	0.0	0.3	0.0	0.1	0.0	0.7
California	18.2	12.0	20.1	0.0	14.0	56.6	17.8	13.6	8.4
Colorado	1.8	1.3	1.9	0.0	2.0	2.0	1.1	7.9	1.6
Connecticut	2.1	0.1	4.0	0.0	1.9	0.0	0.5	0.0	0.9
Delaware	0.1	0.0	0.0	0.0	0.3	0.0	0.1	0.0	0.1
District of Columbia	3.1	7.6	2.2	0.0	0.8	0.0	4.7	0.0	10.7
Florida	2.8	2.6	4.0	0.0	2.3	0.0	1.2	0.0	2.9
Georgia	1.3	1.2	1.3	0.0	2.2	0.0	0.4	0.0	1.1
Hawaii	0.4	0.4	0.3	0.0	0.6	0.0	0.7	0.0	0.3
Idaho	0.3	0.1	0.2	7.9	0.2	0.0	0.0	0.0	0.5
Illinois	1.9	0.6	0.5	0.0	3.8	9.7	1.5	0.0	1.5
Indiana	0.5	0.4	0.3	0.0	1.4	0.0	0.1	0.0	0.5
Iowa	0.5	0.2	0.2	0.0	1.1	0.4	1.0	0.0	0.5
Kansas	0.2	0.1	0.1	0.0	0.5	0.0	0.0	0.0	0.2
Kentucky	0.2	0.1	0.1	0.0	0.8	0.0	0.1	0.0	0.4
Louisiana	0.4	0.4	0.3	0.0	0.9	0.0	0.1	0.0	0.8
Maine	0.2	0.0	0.2	0.0	0.1	0.0	1.4	0.0	0.2
Maryland	12.3	35.8	6.1	26.5	5.7	0.0	4.1	0.0	12.2
Massachusetts	5.4	1.7	4.8	0.0	5.7	6.3	22.6	9.1	4.3
Michigan	1.1	0.5	0.5	0.0	3.0	0.0	0.8	0.0	0.9
Minnesota	0.8	0.2	0.6	0.0	1.4	0.0	4.1	0.0	0.5
Mississippi	1.6	0.6	3.3	0.0	0.6	0.0	0.1	0.0	0.4
Missouri	3.0	0.1	6.0	0.0	2.3	0.0	0.3	0.0	1.0
Montana	0.2	0.3	0.1	0.0	0.3	0.0	0.2	0.0	0.5
Nebraska	0.2	0.1	0.0	0.0	0.4	0.0	0.1	0.0	0.6
Nevada	0.5	0.2	0.9	0.0	0.5	0.0	0.1	0.0	0.4
New Hampshire	0.4	0.3	0.4	0.0	0.6	0.0	0.1	0.0	0.3
New Jersey	2.0	2.6	2.4	0.0	1.6	1.0	0.4	0.0	1.1
New Mexico	3.1	1.9	0.9	64.3	1.0	19.6	0.3	0.0	3.1
New York	4.1	0.7	3.2	0.0	8.0	0.0	6.6	17.9	13.8
North Carolina	1.7	1.8	0.5	0.0	4.1	0.0	1.7	0.0	1.3
North Dakota	0.1	0.1	0.0	0.0	0.3	0.0	0.0	0.0	0.2
Ohio	2.5	3.5	2.1	0.0	2.8	0.0	4.3	0.0	1.8
Oklahoma	0.3	0.4	0.2	0.0	0.4	0.0	0.6	0.0	0.5
Oregon	0.5	0.3	0.1	0.0	1.2	0.0	0.7	0.0	0.6
Pennsylvania	3.3	0.8	3.1	0.0	6.2	0.5	7.0	0.0	1.6
Rhode Island	0.5	1.2	0.1	0.0	0.5	0.0	1.3	0.0	0.2
South Carolina	0.4	0.3	0.2	1.3	0.7	0.0	0.6	0.0	1.0
South Dakota	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.0	1.5
Tennessee	1.1	0.2	0.4	0.0	1.7	0.3	1.2	25.4	1.4
Texas	5.1	1.2	8.4	0.0	5.5	0.0	2.2	0.4	4.5
Utah	0.7	0.4	0.9	0.0	0.9	0.0	0.1	0.0	0.3
Vermont	0.2	0.0	0.3	0.0	0.3	0.0	0.1	0.0	0.5
Virginia	6.3	9.2	8.3	0.0	1.9	2.5	2.0	14.8	6.2
Washington	2.1	1.0	1.9	0.0	2.8	0.0	5.3	11.0	1.5
West Virginia	0.3	0.6	0.2	0.0	0.2	0.0	0.3	0.0	0.6

TABLE 84. Percentage distribution of federal obligations for research and development for selected agencies, by performer, by state and other locations: FY 2004

State/location	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Wisconsin	0.7	0.3	0.2	0.0	2.0	0.0	0.3	0.0	1.3
Wyoming	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.3
Outlying areas	0.1	0.1	0.0	0.0	0.4	0.2	0.0	0.0	0.1
Puerto Rico	0.1	0.0	0.0	0.0	0.4	0.2	0.0	0.0	0.1
Other areas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Offices abroad	0.1	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0

FFRDC = federally funded research and development center.

^a Includes costs associated with administration of intramural and extramural programs by federal personnel and actual intramural performance.

NOTES: Because of rounding, detail may not add to total. Only 11 agencies are required to report data for this section of survey: Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Homeland Security, Interior, and Transportation; Environmental Protection Agency; National Aeronautics and Space Administration; and National Science Foundation. Obligations of these 11 agencies represented over 98% of total federal R&D and R&D plant obligations in FY 2004. Geographic distribution of Department of Defense development funding to industry reflects location of only prime contractors and not numerous subcontractors who perform much of the R&D.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 85. Percentage distribution of federal obligations for research and development for selected agencies, by state and other locations, by performer: FY 2004

State/location	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
All locations	100.0	21.7	39.5	1.5	24.1	5.4	5.4	1.4	0.9
Alabama	100.0	32.5	52.4	0.0	13.0	0.0	1.8	0.0	0.3
Alaska	100.0	30.9	26.6	0.0	34.1	0.0	3.5	0.0	4.8
Arizona	100.0	11.9	71.3	0.0	12.9	2.5	0.8	0.0	0.6
Arkansas	100.0	28.9	5.7	0.0	58.7	0.0	2.6	0.0	4.1
California	100.0	14.3	43.7	0.0	18.5	16.9	5.3	1.1	0.4
Colorado	100.0	15.3	42.2	0.0	26.4	5.9	3.2	6.2	0.7
Connecticut	100.0	1.4	74.9	0.0	22.2	0.0	1.2	0.0	0.4
Delaware	100.0	3.8	13.4	0.0	75.3	0.0	6.2	0.0	1.3
District of Columbia	100.0	53.7	28.6	0.0	6.4	0.0	8.3	0.0	3.0
Florida	100.0	20.2	56.6	0.0	20.0	0.0	2.3	0.0	0.9
Georgia	100.0	19.2	37.5	0.0	40.9	0.0	1.7	0.0	0.7
Hawaii	100.0	20.3	30.9	0.0	38.5	0.0	9.6	0.0	0.7
Idaho	100.0	10.3	23.5	46.6	17.4	0.0	0.5	0.0	1.7
Illinois	100.0	6.5	10.0	0.0	50.0	28.5	4.3	0.0	0.7
Indiana	100.0	14.2	23.5	0.0	60.6	0.0	0.9	0.0	0.8
Iowa	100.0	9.8	16.0	0.0	57.1	4.5	11.7	0.0	0.9
Kansas	100.0	14.6	22.6	0.0	61.0	0.0	1.0	0.0	0.9
Kentucky	100.0	4.7	13.6	0.0	77.8	0.0	2.4	0.0	1.5
Louisiana	100.0	21.3	24.3	0.0	51.9	0.0	0.8	0.0	1.6
Maine	100.0	5.6	41.5	0.0	13.0	0.0	39.0	0.0	0.8
Maryland	100.0	63.2	19.6	3.3	11.2	0.0	1.8	0.0	0.9
Massachusetts	100.0	6.9	35.5	0.0	25.5	6.3	22.6	2.4	0.7
Michigan	100.0	10.3	18.2	0.0	66.7	0.0	4.2	0.0	0.7
Minnesota	100.0	6.1	27.3	0.0	39.7	0.0	26.4	0.0	0.6
Mississippi	100.0	8.6	81.8	0.0	9.0	0.0	0.4	0.0	0.2
Missouri	100.0	1.1	79.4	0.0	18.8	0.0	0.5	0.0	0.3
Montana	100.0	32.9	20.7	0.0	39.6	0.0	4.6	0.0	2.1
Nebraska	100.0	17.2	7.0	0.0	68.8	0.0	3.6	0.0	3.4
Nevada	100.0	7.1	67.3	0.0	23.9	0.0	1.1	0.0	0.6
New Hampshire	100.0	15.5	41.6	0.0	41.3	0.0	0.9	0.0	0.7
New Jersey	100.0	28.6	48.1	0.0	19.0	2.7	1.2	0.0	0.5
New Mexico	100.0	13.6	11.2	32.0	7.5	34.4	0.5	0.0	0.9
New York	100.0	3.7	30.7	0.0	47.5	0.0	8.8	6.3	3.0
North Carolina	100.0	23.5	12.3	0.0	58.2	0.0	5.4	0.0	0.7
North Dakota	100.0	25.4	7.5	0.0	64.4	0.0	1.3	0.0	1.5
Ohio	100.0	30.0	33.1	0.0	27.1	0.0	9.2	0.0	0.6
Oklahoma	100.0	29.4	24.3	0.0	34.4	0.0	10.3	0.0	1.5
Oregon	100.0	14.4	12.3	0.0	63.9	0.0	8.2	0.0	1.2
Pennsylvania	100.0	5.2	36.7	0.0	45.4	0.8	11.4	0.0	0.4
Rhode Island	100.0	52.4	10.4	0.0	23.0	0.0	13.8	0.0	0.4
South Carolina	100.0	14.5	25.7	5.2	43.2	0.0	9.1	0.0	2.3
South Dakota	100.0	22.4	6.6	0.0	47.6	0.0	5.5	0.0	18.0
Tennessee	100.0	4.7	13.3	0.0	39.3	1.4	6.3	34.0	1.2
Texas	100.0	5.2	65.7	0.0	25.9	0.0	2.3	0.1	0.8
Utah	100.0	13.9	52.4	0.0	32.7	0.0	0.6	0.0	0.4
Vermont	100.0	1.7	55.2	0.0	39.4	0.0	1.6	0.0	2.1
Virginia	100.0	31.9	52.5	0.0	7.4	2.2	1.8	3.4	0.9
Washington	100.0	10.7	35.1	0.0	32.4	0.0	13.7	7.5	0.6
West Virginia	100.0	45.4	29.9	0.0	17.0	0.0	6.0	0.0	1.7

TABLE 85. Percentage distribution of federal obligations for research and development for selected agencies, by state and other locations, by performer: FY 2004

State/location	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Wisconsin	100.0	8.7	11.3	0.0	75.5	0.0	2.7	0.0	1.7
Wyoming	100.0	17.8	4.2	0.0	58.4	0.0	13.8	0.0	5.8
Outlying areas	100.0	12.1	4.9	0.0	74.0	8.2	0.2	0.0	0.6
Puerto Rico	100.0	5.6	0.1	0.0	83.1	10.4	0.0	0.0	0.7
Other areas	100.0	35.4	22.5	0.0	41.0	0.0	0.8	0.0	0.4
Offices abroad	100.0	42.2	43.7	0.0	12.5	0.0	1.7	0.0	0.0

FFRDC = federally funded research and development center.

^a Includes costs associated with administration of intramural and extramural programs by federal personnel and actual intramural performance.

NOTES: Because of rounding, detail may not add to total. Only 11 agencies are required to report data for this section of survey: Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Homeland Security, Interior, and Transportation; Environmental Protection Agency; National Aeronautics and Space Administration; and National Science Foundation. Obligations of these 11 agencies represented over 98% of total federal R&D and R&D plant obligations in FY 2004. Geographic distribution of Department of Defense development funding to industry reflects location of only prime contractors and not numerous subcontractors who perform much of the R&D.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 86. Federal obligations for R&D plant for selected agencies, by state and other locations and performer: FY 2004
(Dollars in thousands)

State/location	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
All locations	3,979,316	958,202	1,441,994	188,259	354,290	603,868	164,452	252,443	15,808
Alabama	37,260	20,314	4,055	0	11,953	0	0	0	938
Alaska	126,824	0	117,459	0	9,365	0	0	0	0
Arizona	27,707	22,434	2,863	0	2,410	0	0	0	0
Arkansas	7,691	6,938	0	0	753	0	0	0	0
California	987,668	52,405	559,916	0	35,383	334,825	4,687	0	452
Colorado	82,897	12,882	6,091	0	7,673	22,554	19,830	13,637	230
Connecticut	46,848	1,776	43,790	0	1,282	0	0	0	0
Delaware	608	11	29	0	568	0	0	0	0
District of Columbia	118,124	35,802	5,172	0	3,948	0	72,841	0	361
Florida	120,885	39,154	54,889	0	25,379	0	0	0	1,463
Georgia	16,351	12,962	921	0	2,468	0	0	0	0
Hawaii	7,019	4,989	0	0	1,979	0	51	0	0
Idaho	22,599	358	19,241	3,000	0	0	0	0	0
Illinois	122,898	8,109	1,554	0	19,109	94,126	0	0	0
Indiana	7,683	0	13	0	7,546	0	0	0	124
Iowa	107,034	100,976	22	0	2,020	4,016	0	0	0
Kansas	1,320	1	1	0	1,318	0	0	0	0
Kentucky	7,389	571	315	0	6,039	0	0	0	464
Louisiana	17,249	1,109	151	0	14,415	0	1,553	0	21
Maine	4,808	3,086	0	0	359	0	1,363	0	0
Maryland	472,693	397,556	59,116	0	16,021	0	0	0	0
Massachusetts	21,585	782	3,468	0	9,487	0	7,828	0	20
Michigan	7,957	928	61	0	6,968	0	0	0	0
Minnesota	5,682	541	213	0	2,618	0	2,310	0	0
Mississippi	11,037	2,065	6,896	0	2,076	0	0	0	0
Missouri	4,700	1,066	8	0	3,223	0	203	0	200
Montana	3,397	2,920	96	0	381	0	0	0	0
Nebraska	1,512	812	0	0	700	0	0	0	0
Nevada	7,608	261	5,844	0	1,503	0	0	0	0
New Hampshire	6,602	4,264	1,519	0	819	0	0	0	0
New Jersey	50,504	527	20,133	0	10,095	19,693	56	0	0
New Mexico	269,358	8,216	7,588	185,185	2,685	65,608	0	0	76
New York	71,345	3,080	9,156	0	19,693	0	961	38,455	0
North Carolina	21,040	8,591	161	0	12,237	0	51	0	0
Ohio	19,466	5,135	9,741	0	2,866	0	1,583	0	141
Oklahoma	17,605	9,809	3,726	0	4,070	0	0	0	0
Oregon	7,082	1,028	1,144	0	4,910	0	0	0	0
Pennsylvania	26,819	3,043	5,852	0	8,177	0	9,745	0	2
Rhode Island	11,950	11,244	107	0	599	0	0	0	0
South Carolina	8,550	7,318	85	74	1,059	0	14	0	0
South Dakota	10,798	10,362	36	0	400	0	0	0	0
Tennessee	199,675	1,748	6,870	0	7,506	1,319	0	182,140	92
Texas	568,683	124,055	393,395	0	13,429	0	37,484	0	320
Utah	1,118	660	165	0	293	0	0	0	0
Vermont	568	34	13	0	521	0	0	0	0
Virginia	179,329	18,199	82,566	0	2,688	61,727	3,245	0	10,904
Washington	32,365	3,178	982	0	9,364	0	630	18,211	0
West Virginia	11,325	1,705	6,571	0	3,049	0	0	0	0
Wisconsin	56,234	4,113	0	0	52,121	0	0	0	0

TABLE 86. Federal obligations for R&D plant for selected agencies, by state and other locations and performer: FY 2004

(Dollars in thousands)

State/location	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Wyoming	276	3	0	0	256	0	17	0	0
Outlying areas	1,591	1,082	0	0	509	0	0	0	0
Puerto Rico	1,591	1,082	0	0	509	0	0	0	0

FFRDC = federally funded research and development center.

^a Includes costs associated with administration of intramural and extramural programs by federal personnel and actual intramural performance.

NOTES: Only 11 agencies are required to report data for this section of survey: Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Homeland Security, Interior, and Transportation; Environmental Protection Agency; National Aeronautics and Space Administration; and National Science Foundation. Obligations of these 11 agencies represented over 98% of total federal R&D and R&D plant obligations in FY 2004. Geographic distribution of Department of Defense funding to industry reflects location of only prime contractors and not numerous subcontractors who perform much of the R&D. Only those states and/or areas for which data were non-zero are listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 87. Federal obligations for research and development, by state and other locations and selected agency: FY 2004

(Dollars in thousands)

State/location	Total R&D	DHS	DOC	DOD	DOE	DOI	DOT	EPA	HHS	NASA	NSF	USDA
All locations	99,062,889	945,516	1,058,496	46,828,971	7,551,026	602,042	628,695	660,076	27,784,636	7,146,233	3,759,135	2,098,063
Alabama	2,806,185	29,680	1,187	2,105,369	9,238	2,252	7,143	3,373	318,639	286,424	20,475	22,405
Alaska	260,950	882	18,537	119,514	10,131	23,173	2,925	808	21,138	15,076	29,696	19,070
Arizona	2,216,321	16,194	1,990	1,764,119	8,680	9,454	5,698	187	165,211	92,169	125,732	26,887
Arkansas	141,282	0	0	9,410	535	1,516	2,050	268	81,051	1,852	8,964	35,636
California	18,041,137	167,482	117,818	9,481,622	1,513,629	82,037	25,380	12,812	3,153,249	2,733,718	620,491	132,899
Colorado	1,806,218	1,484	127,415	564,057	133,520	87,877	21,614	10,542	343,154	296,790	178,652	41,113
Connecticut	2,088,272	19,237	5,818	1,522,330	34,149	1,452	2,711	958	430,972	23,100	38,055	9,490
Delaware	85,414	188	2,492	17,794	4,216	779	974	1,451	28,782	7,476	16,006	5,256
District of Columbia	3,054,815	75,998	4,503	1,727,894	286,638	2,038	175,275	70,079	242,338	129,879	105,138	235,035
Florida	2,739,984	11,883	32,854	2,043,276	14,773	33,737	10,663	21,845	356,723	65,081	92,207	56,942
Georgia	1,308,381	18,200	1,887	531,033	39,357	5,405	6,711	12,447	515,912	28,794	80,660	67,975
Hawaii	392,635	8	17,244	199,394	2,631	7,649	816	204	75,319	23,307	21,050	45,013
Idaho	259,815	18,759	1,742	18,100	162,786	4,436	4,281	193	14,365	3,322	6,991	24,840
Illinois	1,836,518	33,735	11,692	240,353	579,318	1,473	9,302	4,349	683,934	23,548	187,995	60,819
Indiana	541,136	417	1,767	205,127	18,651	2,189	4,217	1,733	199,448	11,087	78,045	18,455
Iowa	477,854	222	476	78,144	81,230	2,100	9,885	1,690	194,578	11,151	31,659	66,719
Kansas	209,990	0	30	61,180	11,650	2,372	7,526	0	75,393	5,680	26,774	19,385
Kentucky	237,320	5,549	4	37,728	5,500	1,076	2,964	658	143,716	7,351	17,125	15,649
Louisiana	419,408	3	1,074	158,867	5,822	14,883	2,874	1,635	153,736	6,643	26,933	46,938
Maine	188,397	379	2,747	81,939	832	2,733	1,003	102	74,085	5,535	11,999	7,043
Maryland	12,163,037	106,059	371,353	3,363,869	31,704	16,390	19,977	7,485	6,816,830	1,178,886	96,301	154,183
Massachusetts	5,324,808	20,944	32,551	2,408,050	113,072	10,605	53,228	10,027	2,215,281	173,020	264,242	23,788
Michigan	1,072,966	601	22,594	287,129	32,919	6,255	13,638	9,480	537,762	22,081	112,882	27,625
Minnesota	826,407	3,300	4,807	231,068	11,615	3,032	2,420	23,087	440,551	10,635	59,979	35,913
Mississippi	1,593,661	83	7,146	1,388,674	2,862	4,379	3,251	1,782	44,420	24,657	10,425	105,982
Missouri	2,979,320	450	1,146	2,383,063	5,465	9,153	7,596	95	484,526	20,795	34,753	32,278
Montana	187,224	0	113	47,199	2,937	7,715	1,537	70	72,388	8,996	15,697	30,572
Nebraska	155,268	0	907	13,715	1,740	2,700	2,629	0	73,908	5,622	17,302	36,745
Nevada	510,181	2,451	1,236	50,118	362,934	3,040	3,836	23,876	22,165	25,723	11,626	3,176
New Hampshire	354,013	37,156	23,192	143,621	2,588	712	2,752	1,046	98,821	20,300	14,199	9,626
New Jersey	1,968,803	29,400	28,164	1,356,723	79,498	2,842	27,986	7,445	272,112	75,611	82,162	6,860
New Mexico	3,069,159	75,552	5,914	815,876	1,962,913	8,856	7,532	3,799	110,788	41,378	23,773	12,778
New York	4,034,084	27,945	25,731	990,273	613,095	4,561	14,981	13,016	1,924,561	76,815	301,131	41,975
North Carolina	1,677,026	2,972	18,295	175,615	20,207	3,589	4,697	191,926	1,114,665	22,212	81,656	41,192

TABLE 87. Federal obligations for research and development, by state and other locations and selected agency: FY 2004

(Dollars in thousands)

State/location	Total R&D	DHS	DOC	DOD	DOE	DOI	DOT	EPA	HHS	NASA	NSF	USDA
North Dakota	102,998	0	1,326	20,380	10,009	3,578	1,995	1,209	20,553	2,203	6,946	34,799
Ohio	2,505,458	31,645	9,099	1,135,075	36,358	2,598	21,402	132,503	713,026	322,845	72,927	27,980
Oklahoma	304,010	523	11,094	101,924	9,195	1,860	17,161	14,161	84,095	22,680	19,328	21,989
Oregon	448,788	5	6,975	30,097	21,639	10,857	5,025	15,867	255,820	12,476	39,854	50,173
Pennsylvania	3,282,428	3,817	8,859	1,161,283	417,828	3,608	9,539	1,888	1,387,151	48,447	182,492	57,516
Rhode Island	495,259	35	1,933	304,142	2,918	1,672	960	15,686	131,975	5,739	27,722	2,477
South Carolina	373,316	1,660	9,005	153,963	23,028	2,325	3,203	1,143	125,309	11,045	23,540	19,095
South Dakota	70,036	0	17	7,888	123	13,248	3,419	714	16,507	12,529	5,850	9,741
Tennessee	1,063,396	18,659	3,571	122,664	384,207	2,632	4,846	912	393,493	71,967	36,495	23,950
Texas	5,025,951	2,406	18,218	3,172,109	47,370	9,498	21,013	4,645	1,143,884	403,545	105,677	97,586
Utah	682,146	1,492	763	426,117	11,770	3,335	1,802	666	154,718	21,422	32,005	28,056
Vermont	211,661	324	1,139	115,701	1,453	1,027	705	993	71,614	1,935	6,360	10,410
Virginia	6,191,481	154,461	12,983	4,447,859	100,895	142,261	48,716	14,376	467,340	640,952	146,108	15,530
Washington	2,070,868	22,801	63,290	777,989	186,244	7,749	8,007	12,599	808,761	37,012	95,478	50,938
West Virginia	288,687	474	3,054	77,144	98,993	5,241	3,681	1,518	42,142	15,129	6,523	34,788
Wisconsin	644,575	1	10,344	55,977	26,082	14,956	3,432	2,621	378,881	19,480	68,613	64,188
Wyoming	45,686	0	353	2,902	5,284	2,019	3,717	107	10,027	1,838	9,888	9,551
Outlying areas	128,788	0	2,047	15,918	795	1,100	0	0	62,539	10,275	22,554	13,560
Puerto Rico	100,904	0	537	442	795	628	0	0	58,496	10,125	21,146	8,735
Other areas	27,884	0	1,510	15,476	0	472	0	0	4,043	150	1,408	4,825
Offices abroad	99,368	0	0	77,596	0	18	0	0	16,280	0	0	5,474

DHS = Department of Homeland Security; DOC = Department of Commerce; DOD = Department of Defense; DOE = Department of Energy; DOI = Department of Interior; DOT = Department of Transportation; EPA = Environmental Protection Agency; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; NSF = National Science Foundation; USDA = Department of Agriculture.

NOTES: Only 11 agencies are required to report data for this section of survey. Obligations of these 11 agencies represented over 98% of total federal R&D and R&D plant obligations in FY 2004. Geographic distribution of Department of Defense development funding to industry reflects location of only prime contractors and not numerous subcontractors who perform much of the R&D.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 88. Percentage distribution of federal obligations for research and development, by selected agency, by state and other locations: FY 2004

State/location	Total R&D	DHS	DOC	DOD	DOE	DOI	DOT	EPA	HHS	NASA	NSF	USDA
All locations	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Alabama	2.8	3.1	0.1	4.5	0.1	0.4	1.1	0.5	1.1	4.0	0.5	1.1
Alaska	0.3	0.1	1.8	0.3	0.1	3.8	0.5	0.1	0.1	0.2	0.8	0.9
Arizona	2.2	1.7	0.2	3.8	0.1	1.6	0.9	0.0	0.6	1.3	3.3	1.3
Arkansas	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.3	0.0	0.2	1.7
California	18.2	17.7	11.1	20.2	20.0	13.6	4.0	1.9	11.3	38.3	16.5	6.3
Colorado	1.8	0.2	12.0	1.2	1.8	14.6	3.4	1.6	1.2	4.2	4.8	2.0
Connecticut	2.1	2.0	0.5	3.3	0.5	0.2	0.4	0.1	1.6	0.3	1.0	0.5
Delaware	0.1	0.0	0.2	0.0	0.1	0.1	0.2	0.2	0.1	0.1	0.4	0.3
District of Columbia	3.1	8.0	0.4	3.7	3.8	0.3	27.9	10.6	0.9	1.8	2.8	11.2
Florida	2.8	1.3	3.1	4.4	0.2	5.6	1.7	3.3	1.3	0.9	2.5	2.7
Georgia	1.3	1.9	0.2	1.1	0.5	0.9	1.1	1.9	1.9	0.4	2.1	3.2
Hawaii	0.4	0.0	1.6	0.4	0.0	1.3	0.1	0.0	0.3	0.3	0.6	2.1
Idaho	0.3	2.0	0.2	0.0	2.2	0.7	0.7	0.0	0.1	0.0	0.2	1.2
Illinois	1.9	3.6	1.1	0.5	7.7	0.2	1.5	0.7	2.5	0.3	5.0	2.9
Indiana	0.5	0.0	0.2	0.4	0.2	0.4	0.7	0.3	0.7	0.2	2.1	0.9
Iowa	0.5	0.0	0.0	0.2	1.1	0.3	1.6	0.3	0.7	0.2	0.8	3.2
Kansas	0.2	0.0	0.0	0.1	0.2	0.4	1.2	0.0	0.3	0.1	0.7	0.9
Kentucky	0.2	0.6	0.0	0.1	0.1	0.2	0.5	0.1	0.5	0.1	0.5	0.7
Louisiana	0.4	0.0	0.1	0.3	0.1	2.5	0.5	0.2	0.6	0.1	0.7	2.2
Maine	0.2	0.0	0.3	0.2	0.0	0.5	0.2	0.0	0.3	0.1	0.3	0.3
Maryland	12.3	11.2	35.1	7.2	0.4	2.7	3.2	1.1	24.5	16.5	2.6	7.3
Massachusetts	5.4	2.2	3.1	5.1	1.5	1.8	8.5	1.5	8.0	2.4	7.0	1.1
Michigan	1.1	0.1	2.1	0.6	0.4	1.0	2.2	1.4	1.9	0.3	3.0	1.3
Minnesota	0.8	0.3	0.5	0.5	0.2	0.5	0.4	3.5	1.6	0.1	1.6	1.7
Mississippi	1.6	0.0	0.7	3.0	0.0	0.7	0.5	0.3	0.2	0.3	0.3	5.1
Missouri	3.0	0.0	0.1	5.1	0.1	1.5	1.2	0.0	1.7	0.3	0.9	1.5
Montana	0.2	0.0	0.0	0.1	0.0	1.3	0.2	0.0	0.3	0.1	0.4	1.5
Nebraska	0.2	0.0	0.1	0.0	0.0	0.4	0.4	0.0	0.3	0.1	0.5	1.8
Nevada	0.5	0.3	0.1	0.1	4.8	0.5	0.6	3.6	0.1	0.4	0.3	0.2
New Hampshire	0.4	3.9	2.2	0.3	0.0	0.1	0.4	0.2	0.4	0.3	0.4	0.5
New Jersey	2.0	3.1	2.7	2.9	1.1	0.5	4.5	1.1	1.0	1.1	2.2	0.3
New Mexico	3.1	8.0	0.6	1.7	26.0	1.5	1.2	0.6	0.4	0.6	0.6	0.6
New York	4.1	3.0	2.4	2.1	8.1	0.8	2.4	2.0	6.9	1.1	8.0	2.0
North Carolina	1.7	0.3	1.7	0.4	0.3	0.6	0.7	29.1	4.0	0.3	2.2	2.0
North Dakota	0.1	0.0	0.1	0.0	0.1	0.6	0.3	0.2	0.1	0.0	0.2	1.7
Ohio	2.5	3.3	0.9	2.4	0.5	0.4	3.4	20.1	2.6	4.5	1.9	1.3
Oklahoma	0.3	0.1	1.0	0.2	0.1	0.3	2.7	2.1	0.3	0.3	0.5	1.0
Oregon	0.5	0.0	0.7	0.1	0.3	1.8	0.8	2.4	0.9	0.2	1.1	2.4
Pennsylvania	3.3	0.4	0.8	2.5	5.5	0.6	1.5	0.3	5.0	0.7	4.9	2.7

TABLE 88. Percentage distribution of federal obligations for research and development, by selected agency, by state and other locations: FY 2004

State/location	Total R&D	DHS	DOC	DOD	DOE	DOI	DOT	EPA	HHS	NASA	NSF	USDA
Rhode Island	0.5	0.0	0.2	0.6	0.0	0.3	0.2	2.4	0.5	0.1	0.7	0.1
South Carolina	0.4	0.2	0.9	0.3	0.3	0.4	0.5	0.2	0.5	0.2	0.6	0.9
South Dakota	0.1	0.0	0.0	0.0	0.0	2.2	0.5	0.1	0.1	0.2	0.2	0.5
Tennessee	1.1	2.0	0.3	0.3	5.1	0.4	0.8	0.1	1.4	1.0	1.0	1.1
Texas	5.1	0.3	1.7	6.8	0.6	1.6	3.3	0.7	4.1	5.6	2.8	4.7
Utah	0.7	0.2	0.1	0.9	0.2	0.6	0.3	0.1	0.6	0.3	0.9	1.3
Vermont	0.2	0.0	0.1	0.2	0.0	0.2	0.1	0.2	0.3	0.0	0.2	0.5
Virginia	6.3	16.3	1.2	9.5	1.3	23.6	7.7	2.2	1.7	9.0	3.9	0.7
Washington	2.1	2.4	6.0	1.7	2.5	1.3	1.3	1.9	2.9	0.5	2.5	2.4
West Virginia	0.3	0.1	0.3	0.2	1.3	0.9	0.6	0.2	0.2	0.2	0.2	1.7
Wisconsin	0.7	0.0	1.0	0.1	0.3	2.5	0.5	0.4	1.4	0.3	1.8	3.1
Wyoming	0.0	0.0	0.0	0.0	0.1	0.3	0.6	0.0	0.0	0.0	0.3	0.5
Outlying areas	0.1	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.1	0.6	0.6
Puerto Rico	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.2	0.1	0.6	0.4
Other areas	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2
Offices abroad	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3

DHS = Department of Homeland Security; DOC = Department of Commerce; DOD = Department of Defense; DOE = Department of Energy; DOI = Department of Interior; DOT = Department of Transportation; EPA = Environmental Protection Agency; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; NSF = National Science Foundation; USDA = Department of Agriculture.

NOTES: Because of rounding, detail may not add to total. Only 11 agencies are required to report data for this section of survey: Obligations of these 11 agencies represented over 98% of total federal R&D and R&D plant obligations in FY 2004. Geographic distribution of Department of Defense development funding to industry reflects location of only prime contractors and not numerous subcontractors who perform much of the R&D.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 89. Percentage distribution of federal obligations for research and development, by state and other locations, by selected agency: FY 2004

State/location	Total R&D	DHS	DOC	DOD	DOE	DOI	DOT	EPA	HHS	NASA	NSF	USDA
All locations	100.0	1.0	1.1	47.3	7.6	0.6	0.6	0.7	28.0	7.2	3.8	2.1
Alabama	100.0	1.1	0.0	75.0	0.3	0.1	0.3	0.1	11.4	10.2	0.7	0.8
Alaska	100.0	0.3	7.1	45.8	3.9	8.9	1.1	0.3	8.1	5.8	11.4	7.3
Arizona	100.0	0.7	0.1	79.6	0.4	0.4	0.3	0.0	7.5	4.2	5.7	1.2
Arkansas	100.0	0.0	0.0	6.7	0.4	1.1	1.5	0.2	57.4	1.3	6.3	25.2
California	100.0	0.9	0.7	52.6	8.4	0.5	0.1	0.1	17.5	15.2	3.4	0.7
Colorado	100.0	0.1	7.1	31.2	7.4	4.9	1.2	0.6	19.0	16.4	9.9	2.3
Connecticut	100.0	0.9	0.3	72.9	1.6	0.1	0.1	0.0	20.6	1.1	1.8	0.5
Delaware	100.0	0.2	2.9	20.8	4.9	0.9	1.1	1.7	33.7	8.8	18.7	6.2
District of Columbia	100.0	2.5	0.1	56.6	9.4	0.1	5.7	2.3	7.9	4.3	3.4	7.7
Florida	100.0	0.4	1.2	74.6	0.5	1.2	0.4	0.8	13.0	2.4	3.4	2.1
Georgia	100.0	1.4	0.1	40.6	3.0	0.4	0.5	1.0	39.4	2.2	6.2	5.2
Hawaii	100.0	0.0	4.4	50.8	0.7	1.9	0.2	0.1	19.2	5.9	5.4	11.5
Idaho	100.0	7.2	0.7	7.0	62.7	1.7	1.6	0.1	5.5	1.3	2.7	9.6
Illinois	100.0	1.8	0.6	13.1	31.5	0.1	0.5	0.2	37.2	1.3	10.2	3.3
Indiana	100.0	0.1	0.3	37.9	3.4	0.4	0.8	0.3	36.9	2.0	14.4	3.4
Iowa	100.0	0.0	0.1	16.4	17.0	0.4	2.1	0.4	40.7	2.3	6.6	14.0
Kansas	100.0	0.0	0.0	29.1	5.5	1.1	3.6	0.0	35.9	2.7	12.8	9.2
Kentucky	100.0	2.3	0.0	15.9	2.3	0.5	1.2	0.3	60.6	3.1	7.2	6.6
Louisiana	100.0	0.0	0.3	37.9	1.4	3.5	0.7	0.4	36.7	1.6	6.4	11.2
Maine	100.0	0.2	1.5	43.5	0.4	1.5	0.5	0.1	39.3	2.9	6.4	3.7
Maryland	100.0	0.9	3.1	27.7	0.3	0.1	0.2	0.1	56.0	9.7	0.8	1.3
Massachusetts	100.0	0.4	0.6	45.2	2.1	0.2	1.0	0.2	41.6	3.2	5.0	0.4
Michigan	100.0	0.1	2.1	26.8	3.1	0.6	1.3	0.9	50.1	2.1	10.5	2.6
Minnesota	100.0	0.4	0.6	28.0	1.4	0.4	0.3	2.8	53.3	1.3	7.3	4.3
Mississippi	100.0	0.0	0.4	87.1	0.2	0.3	0.2	0.1	2.8	1.5	0.7	6.7
Missouri	100.0	0.0	0.0	80.0	0.2	0.3	0.3	0.0	16.3	0.7	1.2	1.1
Montana	100.0	0.0	0.1	25.2	1.6	4.1	0.8	0.0	38.7	4.8	8.4	16.3
Nebraska	100.0	0.0	0.6	8.8	1.1	1.7	1.7	0.0	47.6	3.6	11.1	23.7
Nevada	100.0	0.5	0.2	9.8	71.1	0.6	0.8	4.7	4.3	5.0	2.3	0.6
New Hampshire	100.0	10.5	6.6	40.6	0.7	0.2	0.8	0.3	27.9	5.7	4.0	2.7
New Jersey	100.0	1.5	1.4	68.9	4.0	0.1	1.4	0.4	13.8	3.8	4.2	0.3
New Mexico	100.0	2.5	0.2	26.6	64.0	0.3	0.2	0.1	3.6	1.3	0.8	0.4
New York	100.0	0.7	0.6	24.5	15.2	0.1	0.4	0.3	47.7	1.9	7.5	1.0
North Carolina	100.0	0.2	1.1	10.5	1.2	0.2	0.3	11.4	66.5	1.3	4.9	2.5
North Dakota	100.0	0.0	1.3	19.8	9.7	3.5	1.9	1.2	20.0	2.1	6.7	33.8
Ohio	100.0	1.3	0.4	45.3	1.5	0.1	0.9	5.3	28.5	12.9	2.9	1.1
Oklahoma	100.0	0.2	3.6	33.5	3.0	0.6	5.6	4.7	27.7	7.5	6.4	7.2
Oregon	100.0	0.0	1.6	6.7	4.8	2.4	1.1	3.5	57.0	2.8	8.9	11.2
Pennsylvania	100.0	0.1	0.3	35.4	12.7	0.1	0.3	0.1	42.3	1.5	5.6	1.8

TABLE 89. Percentage distribution of federal obligations for research and development, by state and other locations, by selected agency: FY 2004

State/location	Total R&D	DHS	DOC	DOD	DOE	DOI	DOT	EPA	HHS	NASA	NSF	USDA
Rhode Island	100.0	0.0	0.4	61.4	0.6	0.3	0.2	3.2	26.6	1.2	5.6	0.5
South Carolina	100.0	0.4	2.4	41.2	6.2	0.6	0.9	0.3	33.6	3.0	6.3	5.1
South Dakota	100.0	0.0	0.0	11.3	0.2	18.9	4.9	1.0	23.6	17.9	8.4	13.9
Tennessee	100.0	1.8	0.3	11.5	36.1	0.2	0.5	0.1	37.0	6.8	3.4	2.3
Texas	100.0	0.0	0.4	63.1	0.9	0.2	0.4	0.1	22.8	8.0	2.1	1.9
Utah	100.0	0.2	0.1	62.5	1.7	0.5	0.3	0.1	22.7	3.1	4.7	4.1
Vermont	100.0	0.2	0.5	54.7	0.7	0.5	0.3	0.5	33.8	0.9	3.0	4.9
Virginia	100.0	2.5	0.2	71.8	1.6	2.3	0.8	0.2	7.5	10.4	2.4	0.3
Washington	100.0	1.1	3.1	37.6	9.0	0.4	0.4	0.6	39.1	1.8	4.6	2.5
West Virginia	100.0	0.2	1.1	26.7	34.3	1.8	1.3	0.5	14.6	5.2	2.3	12.1
Wisconsin	100.0	0.0	1.6	8.7	4.0	2.3	0.5	0.4	58.8	3.0	10.6	10.0
Wyoming	100.0	0.0	0.8	6.4	11.6	4.4	8.1	0.2	21.9	4.0	21.6	20.9
Outlying areas	100.0	0.0	1.6	12.4	0.6	0.9	0.0	0.0	48.6	8.0	17.5	10.5
Puerto Rico	100.0	0.0	0.5	0.4	0.8	0.6	0.0	0.0	58.0	10.0	21.0	8.7
Other areas	100.0	0.0	5.4	55.5	0.0	1.7	0.0	0.0	14.5	0.5	5.0	17.3
Offices abroad	100.0	0.0	0.0	78.1	0.0	0.0	0.0	0.0	16.4	0.0	0.0	5.5

DHS = Department of Homeland Security; DOC = Department of Commerce; DOD = Department of Defense; DOE = Department of Energy; DOI = Department of Interior; DOT = Department of Transportation; EPA = Environmental Protection Agency; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; NSF = National Science Foundation; USDA = Department of Agriculture.

NOTES: Because of rounding, detail may not add to total. Only 11 agencies are required to report data for this section of survey: Obligations of these 11 agencies represented over 98% of total federal R&D and R&D plant obligations in FY 2004. Geographic distribution of Department of Defense development funding to industry reflects location of only prime contractors and not numerous subcontractors who perform much of the R&D.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 90. Federal obligations for research and development, by state and other locations, selected agency, and performer: FY 2004

(Dollars in thousands)

State/location and agency	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Alabama	2,806,185	911,349	1,470,801	0	363,776	0	50,517	0	9,742
Department of Agriculture	22,405	9,154	0	0	13,251	0	0	0	0
Department of Commerce	1,187	158	96	0	381	0	552	0	0
Department of Defense, research	98,283	40,145	49,238	0	7,543	0	1,357	0	0
Department of Defense, total development ^b	2,007,086	689,374	1,305,251	0	7,127	0	5,334	0	0
Department of Energy	9,238	0	750	0	7,901	0	587	0	0
Department of Health and Human Services	318,639	1,187	4,189	0	271,425	0	41,260	0	578
Department of Homeland Security	29,680	28,620	1,060	0	0	0	0	0	0
Department of the Interior	2,252	1,260	48	0	659	0	0	0	285
Department of Transportation	7,143	15	1,130	0	742	0	324	0	4,932
Environmental Protection Agency	3,373	0	195	0	2,172	0	831	0	175
National Aeronautics and Space Administration	286,424	141,436	107,822	0	33,165	0	229	0	3,772
National Science Foundation	20,475	0	1,022	0	19,410	0	43	0	0
Alaska	260,950	80,693	69,518	0	89,087	0	9,113	0	12,539
Department of Agriculture	19,070	11,907	0	0	6,959	0	0	0	204
Department of Commerce	18,537	10,645	96	0	7,326	0	470	0	0
Department of Defense, research	12,206	2	11,146	0	1,058	0	0	0	0
Department of Defense, total development ^b	107,308	39,022	44,873	0	23,413	0	0	0	0
Department of Energy	10,131	0	5,800	0	4,052	0	0	0	279
Department of Health and Human Services	21,138	2,537	296	0	8,122	0	392	0	9,791
Department of Homeland Security	882	0	2	0	0	0	880	0	0
Department of the Interior	23,173	16,580	1,929	0	2,742	0	1,836	0	86
Department of Transportation	2,925	0	903	0	201	0	0	0	1,821
Environmental Protection Agency	808	0	0	0	0	0	450	0	358
National Aeronautics and Space Administration	15,076	0	4,221	0	10,855	0	0	0	0
National Science Foundation	29,696	0	252	0	24,359	0	5,085	0	0
Arizona	2,216,321	263,004	1,579,888	0	286,678	55,697	16,746	0	14,308
Department of Agriculture	26,887	19,317	15	0	7,474	0	17	0	64
Department of Commerce	1,990	274	1	0	1,715	0	0	0	0
Department of Defense, research	110,159	11,083	77,987	0	20,895	0	194	0	0
Department of Defense, total development ^b	1,653,960	212,179	1,435,921	0	2,777	0	0	0	3,083
Department of Energy	8,680	0	0	0	8,197	0	483	0	0
Department of Health and Human Services	165,211	994	8,263	0	139,120	0	13,982	0	2,852
Department of Homeland Security	16,194	12,006	4,188	0	0	0	0	0	0
Department of the Interior	9,454	7,151	131	0	1,684	0	38	0	450
Department of Transportation	5,698	0	1,471	0	381	0	305	0	3,541

TABLE 90. Federal obligations for research and development, by state and other locations, selected agency, and performer: FY 2004

(Dollars in thousands)

State/location and agency	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Environmental Protection Agency	187	0	70	0	0	0	0	0	117
National Aeronautics and Space Administration	92,169	0	50,193	0	37,231	0	544	0	4,201
National Science Foundation	125,732	0	1,648	0	67,204	55,697	1,183	0	0
Arkansas	141,282	40,834	8,076	0	82,931	0	3,614	0	5,827
Department of Agriculture	35,636	19,425	0	0	16,211	0	0	0	0
Department of Defense, research	6,238	0	1,193	0	5,045	0	0	0	0
Department of Defense, total development ^b	3,172	106	2,720	0	237	0	0	0	109
Department of Energy	535	0	0	0	535	0	0	0	0
Department of Health and Human Services	81,051	20,053	1,930	0	51,877	0	3,614	0	3,577
Department of the Interior	1,516	1,250	25	0	150	0	0	0	91
Department of Transportation	2,050	0	0	0	0	0	0	0	2,050
Environmental Protection Agency	268	0	70	0	198	0	0	0	0
National Aeronautics and Space Administration	1,852	0	110	0	1,742	0	0	0	0
National Science Foundation	8,964	0	2,028	0	6,936	0	0	0	0
California	18,041,137	2,571,673	7,874,995	0	3,331,980	3,048,352	947,548	193,640	72,949
Department of Agriculture	132,899	102,403	268	0	29,689	0	519	0	20
Department of Commerce	117,818	39,969	31,762	0	37,263	1,000	2,000	0	5,824
Department of Defense, research	865,801	145,436	376,963	0	227,422	20,582	64,578	30,820	0
Department of Defense, total development ^b	8,615,821	1,954,497	6,369,632	0	74,138	47,399	10,231	159,924	0
Department of Energy	1,513,629	3,204	82,442	0	123,415	1,279,107	25,461	0	0
Department of Health and Human Services	3,153,249	5,536	262,004	0	2,032,430	53,114	794,575	0	5,590
Department of Homeland Security	167,482	77,013	24,988	0	675	64,806	0	0	0
Department of the Interior	82,037	78,286	987	0	2,491	0	90	0	183
Department of Transportation	25,380	40	6,342	0	1,801	0	10	0	17,187
Environmental Protection Agency	12,812	0	2,290	0	8,171	0	1,919	0	432
National Aeronautics and Space Administration	2,733,718	165,078	688,449	0	251,603	1,582,203	2,672	0	43,713
National Science Foundation	620,491	211	28,868	0	542,882	141	45,493	2,896	0
Colorado	1,806,218	277,180	761,557	0	477,370	106,530	58,400	111,773	13,408
Department of Agriculture	41,113	31,040	194	0	9,849	0	30	0	0
Department of Commerce	127,415	99,771	5,590	0	21,123	660	0	0	271
Department of Defense, research	55,383	5,787	29,605	0	19,775	0	16	200	0
Department of Defense, total development ^b	508,674	41,599	458,074	0	4,104	4,239	0	658	0

TABLE 90. Federal obligations for research and development, by state and other locations, selected agency, and performer: FY 2004

(Dollars in thousands)

State/location and agency	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Department of Energy	133,520	1,144	4,267	0	13,268	0	3,926	110,915	0
Department of Health and Human Services	343,154	10,572	12,101	0	275,440	0	42,727	0	2,314
Department of Homeland Security	1,484	1,483	1	0	0	0	0	0	0
Department of the Interior	87,877	84,493	216	0	2,194	0	0	0	974
Department of Transportation	21,614	47	10,453	0	63	8,395	115	0	2,541
Environmental Protection Agency	10,542	0	1,320	0	3,307	0	5,765	0	150
National Aeronautics and Space Administration	296,790	0	226,343	0	63,634	0	0	0	6,813
National Science Foundation	178,652	1,244	13,393	0	64,613	93,236	5,821	0	345
Connecticut	2,088,272	29,650	1,563,596	0	462,687	0	24,765	0	7,574
Department of Agriculture	9,490	2,162	0	0	6,397	0	0	0	931
Department of Commerce	5,818	564	1,464	0	3,790	0	0	0	0
Department of Defense, research	39,687	55	25,732	0	11,886	0	2,014	0	0
Department of Defense, total development ^b	1,482,643	9,463	1,470,799	0	927	0	1,454	0	0
Department of Energy	34,149	0	22,603	0	11,063	0	483	0	0
Department of Health and Human Services	430,972	200	18,706	0	387,902	0	20,391	0	3,773
Department of Homeland Security	19,237	16,000	3,237	0	0	0	0	0	0
Department of the Interior	1,452	1,206	0	0	93	0	0	0	153
Department of Transportation	2,711	0	346	0	0	0	0	0	2,365
Environmental Protection Agency	958	0	0	0	656	0	0	0	302
National Aeronautics and Space Administration	23,100	0	19,340	0	3,710	0	0	0	50
National Science Foundation	38,055	0	1,369	0	36,263	0	423	0	0
Delaware	85,414	3,236	11,456	0	64,285	0	5,296	0	1,141
Department of Agriculture	5,256	2,201	0	0	3,055	0	0	0	0
Department of Commerce	2,492	143	218	0	1,643	0	488	0	0
Department of Defense, research	13,947	0	630	0	13,317	0	0	0	0
Department of Defense, total development ^b	3,847	132	1,069	0	2,646	0	0	0	0
Department of Energy	4,216	0	0	0	3,685	0	531	0	0
Department of Health and Human Services	28,782	0	2,166	0	22,447	0	3,869	0	300
Department of Homeland Security	188	159	29	0	0	0	0	0	0
Department of the Interior	779	601	85	0	93	0	0	0	0
Department of Transportation	974	0	79	0	214	0	0	0	681
Environmental Protection Agency	1,451	0	520	0	771	0	0	0	160
National Aeronautics and Space Administration	7,476	0	6,156	0	1,320	0	0	0	0
National Science Foundation	16,006	0	504	0	15,094	0	408	0	0

TABLE 90. Federal obligations for research and development, by state and other locations, selected agency, and performer: FY 2004

(Dollars in thousands)

State/location and agency	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
District of Columbia	3,054,815	1,641,369	872,477	0	195,260	0	252,714	450	92,545
Department of Agriculture	235,035	218,238	15,056	0	837	0	904	0	0
Department of Commerce	4,503	958	160	0	1,143	0	2,242	0	0
Department of Defense, research	279,479	202,151	34,197	0	7,272	0	35,829	0	30
Department of Defense, total development ^b	1,448,415	733,731	694,010	0	16,547	0	3,664	450	13
Department of Energy	286,638	268,131	3,949	0	1,486	0	13,072	0	0
Department of Health and Human Services	242,338	9,560	15,050	0	147,992	0	68,424	0	1,312
Department of Homeland Security	75,998	52,310	18,863	0	0	0	4,825	0	0
Department of the Interior	2,038	1,820	5	0	155	0	58	0	0
Department of Transportation	175,275	91,541	59,190	0	1,029	0	8,105	0	15,410
Environmental Protection Agency	70,079	56,178	3,099	0	763	0	10,039	0	0
National Aeronautics and Space Administration	129,879	1,864	25,622	0	7,496	0	19,117	0	75,780
National Science Foundation	105,138	4,887	3,276	0	10,540	0	86,435	0	0
Florida	2,739,984	553,708	1,550,383	0	548,126	0	62,338	0	25,429
Department of Agriculture	56,942	35,314	0	0	20,958	0	0	0	670
Department of Commerce	32,854	19,416	1,931	0	8,684	0	2,744	0	79
Department of Defense, research	187,514	68,509	40,767	0	74,041	0	4,197	0	0
Department of Defense, total development ^b	1,855,762	362,173	1,465,806	0	14,314	0	569	0	12,900
Department of Energy	14,773	0	1,900	0	12,420	0	453	0	0
Department of Health and Human Services	356,723	0	15,236	0	287,482	0	52,729	0	1,276
Department of Homeland Security	11,883	9,238	2,492	0	11	0	0	0	142
Department of the Interior	33,737	24,665	458	0	8,195	0	89	0	330
Department of Transportation	10,663	1	489	0	1,323	0	239	0	8,611
Environmental Protection Agency	21,845	18,807	0	0	2,601	0	437	0	0
National Aeronautics and Space Administration	65,081	15,585	18,053	0	29,987	0	35	0	1,421
National Science Foundation	92,207	0	3,251	0	88,110	0	846	0	0
Georgia	1,308,381	251,428	490,091	0	534,960	0	22,237	0	9,665
Department of Agriculture	67,975	49,353	41	0	18,553	0	8	0	20
Department of Commerce	1,887	82	17	0	1,788	0	0	0	0
Department of Defense, research	42,676	5,111	3,953	0	29,260	0	4,352	0	0
Department of Defense, total development ^b	488,357	43,337	427,398	0	13,323	0	4,299	0	0
Department of Energy	39,357	0	20,786	0	13,290	0	5,281	0	0
Department of Health and Human Services	515,912	129,274	9,931	0	369,403	0	6,653	0	651
Department of Homeland Security	18,200	12,597	4,793	0	810	0	0	0	0
Department of the Interior	5,405	5,048	0	0	234	0	0	0	123
Department of Transportation	6,711	0	785	0	43	0	25	0	5,858

TABLE 90. Federal obligations for research and development, by state and other locations, selected agency, and performer: FY 2004

(Dollars in thousands)

State/location and agency	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Environmental Protection Agency	12,447	6,626	612	0	3,914	0	1,237	0	58
National Aeronautics and Space Administration	28,794	0	18,495	0	8,434	0	0	0	1,865
National Science Foundation	80,660	0	3,280	0	75,908	0	382	0	1,090
Hawaii	392,635	79,800	121,136	0	151,178	0	37,846	0	2,675
Department of Agriculture	45,013	29,031	0	0	10,335	0	5,647	0	0
Department of Commerce	17,244	5,811	86	0	8,694	0	2,653	0	0
Department of Defense, research	43,156	387	33,040	0	9,729	0	0	0	0
Department of Defense, total development ^b	156,238	38,556	69,439	0	34,502	0	13,741	0	0
Department of Energy	2,631	0	0	0	2,596	0	35	0	0
Department of Health and Human Services	75,319	15	10,914	0	48,961	0	13,943	0	1,486
Department of Homeland Security	8	2	3	0	0	0	3	0	0
Department of the Interior	7,649	5,998	0	0	1,651	0	0	0	0
Department of Transportation	816	0	0	0	0	0	0	0	816
Environmental Protection Agency	204	0	0	0	0	0	0	0	204
National Aeronautics and Space Administration	23,307	0	7,371	0	15,767	0	0	0	169
National Science Foundation	21,050	0	283	0	18,943	0	1,824	0	0
Idaho	259,815	26,733	60,944	121,031	45,308	0	1,360	0	4,439
Department of Agriculture	24,840	17,484	0	0	7,356	0	0	0	0
Department of Commerce	1,742	328	808	0	606	0	0	0	0
Department of Defense, research	9,787	726	1,795	971	6,295	0	0	0	0
Department of Defense, total development ^b	8,313	1,549	4,507	2,226	0	0	0	0	31
Department of Energy	162,786	13	51,539	102,340	8,894	0	0	0	0
Department of Health and Human Services	14,365	0	494	0	12,461	0	1,360	0	50
Department of Homeland Security	18,759	2,738	527	15,494	0	0	0	0	0
Department of the Interior	4,436	3,895	47	0	479	0	0	0	15
Department of Transportation	4,281	0	7	0	54	0	0	0	4,220
Environmental Protection Agency	193	0	70	0	0	0	0	0	123
National Aeronautics and Space Administration	3,322	0	956	0	2,366	0	0	0	0
National Science Foundation	6,991	0	194	0	6,797	0	0	0	0
Illinois	1,836,518	119,462	183,673	0	918,994	522,500	79,271	0	12,618
Department of Agriculture	60,819	43,513	72	0	16,978	0	217	0	39
Department of Commerce	11,692	120	6,585	0	3,938	0	1,049	0	0
Department of Defense, research	108,213	20,489	28,418	0	53,306	5,969	31	0	0
Department of Defense, total development ^b	132,140	27,333	98,488	0	3,204	2,181	934	0	0

TABLE 90. Federal obligations for research and development, by state and other locations, selected agency, and performer: FY 2004

(Dollars in thousands)

State/location and agency	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Department of Energy	579,318	2,591	11,998	0	54,377	504,862	5,490	0	0
Department of Health and Human Services	683,934	100	16,677	0	590,129	9,483	62,299	0	5,246
Department of Homeland Security	33,735	24,144	9,137	0	454	0	0	0	0
Department of the Interior	1,473	956	0	0	466	0	0	0	51
Department of Transportation	9,302	216	1,782	0	1,153	5	74	0	6,072
Environmental Protection Agency	4,349	0	70	0	4,094	0	185	0	0
National Aeronautics and Space Administration	23,548	0	7,726	0	14,846	0	0	0	976
National Science Foundation	187,995	0	2,720	0	176,049	0	8,992	0	234
Indiana	541,136	76,719	127,163	0	328,015	0	4,673	0	4,566
Department of Agriculture	18,455	6,073	0	0	12,366	0	7	0	9
Department of Commerce	1,767	29	371	0	1,367	0	0	0	0
Department of Defense, research	31,011	2,441	9,205	0	18,990	0	375	0	0
Department of Defense, total development ^b	174,116	66,189	103,464	0	4,463	0	0	0	0
Department of Energy	18,651	0	100	0	18,551	0	0	0	0
Department of Health and Human Services	199,448	0	9,749	0	186,057	0	3,253	0	389
Department of Homeland Security	417	0	0	0	417	0	0	0	0
Department of the Interior	2,189	1,987	0	0	93	0	0	0	109
Department of Transportation	4,217	0	131	0	437	0	0	0	3,649
Environmental Protection Agency	1,733	0	0	0	715	0	1,018	0	0
National Aeronautics and Space Administration	11,087	0	3,843	0	6,824	0	10	0	410
National Science Foundation	78,045	0	300	0	77,735	0	10	0	0
Iowa	477,854	46,835	76,399	0	272,856	21,381	55,878	0	4,505
Department of Agriculture	66,719	44,848	0	0	21,785	0	84	0	2
Department of Commerce	476	61	0	0	415	0	0	0	0
Department of Defense, research	10,420	0	6,352	0	4,032	36	0	0	0
Department of Defense, total development ^b	67,724	234	63,899	0	3,591	0	0	0	0
Department of Energy	81,230	0	0	0	7,840	21,345	52,045	0	0
Department of Health and Human Services	194,578	1	2,529	0	187,803	0	3,643	0	602
Department of Homeland Security	222	161	61	0	0	0	0	0	0
Department of the Interior	2,100	1,530	0	0	185	0	0	0	385
Department of Transportation	9,885	0	660	0	5,733	0	0	0	3,492
Environmental Protection Agency	1,690	0	0	0	1,560	0	106	0	24
National Aeronautics and Space Administration	11,151	0	2,298	0	8,853	0	0	0	0
National Science Foundation	31,659	0	600	0	31,059	0	0	0	0

TABLE 90. Federal obligations for research and development, by state and other locations, selected agency, and performer: FY 2004

(Dollars in thousands)

State/location and agency	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Kansas	209,990	30,555	47,462	0	128,107	0	2,008	0	1,858
Department of Agriculture	19,385	8,902	0	0	10,483	0	0	0	0
Department of Commerce	30	0	0	0	30	0	0	0	0
Department of Defense, research	11,570	1,111	6,180	0	4,271	0	8	0	0
Department of Defense, total development ^b	49,610	17,834	29,482	0	2,294	0	0	0	0
Department of Energy	11,650	0	4,995	0	6,655	0	0	0	0
Department of Health and Human Services	75,393	571	2,328	0	70,988	0	1,504	0	2
Department of the Interior	2,372	2,137	0	0	235	0	0	0	0
Department of Transportation	7,526	0	207	0	4,967	0	496	0	1,856
National Aeronautics and Space Administration	5,680	0	2,872	0	2,808	0	0	0	0
National Science Foundation	26,774	0	1,398	0	25,376	0	0	0	0
Kentucky	237,320	11,126	32,277	0	184,681	0	5,714	0	3,522
Department of Agriculture	15,649	2,271	0	0	13,300	0	0	0	78
Department of Commerce	4	0	0	0	4	0	0	0	0
Department of Defense, research	17,652	2,880	8,119	0	6,653	0	0	0	0
Department of Defense, total development ^b	20,076	1,114	15,173	0	500	0	3,289	0	0
Department of Energy	5,500	0	1,126	0	4,374	0	0	0	0
Department of Health and Human Services	143,716	9	4,322	0	136,977	0	2,258	0	150
Department of Homeland Security	5,549	3,892	1,479	0	178	0	0	0	0
Department of the Interior	1,076	960	0	0	116	0	0	0	0
Department of Transportation	2,964	0	0	0	470	0	0	0	2,494
Environmental Protection Agency	658	0	0	0	491	0	167	0	0
National Aeronautics and Space Administration	7,351	0	1,562	0	5,606	0	0	0	183
National Science Foundation	17,125	0	496	0	16,012	0	0	0	617
Louisiana	419,408	89,451	102,070	0	217,590	0	3,506	0	6,791
Department of Agriculture	46,938	35,139	0	0	11,659	0	40	0	100
Department of Commerce	1,074	0	55	0	1,019	0	0	0	0
Department of Defense, research	17,334	2,576	489	0	13,771	0	498	0	0
Department of Defense, total development ^b	141,533	38,742	97,273	0	5,176	0	342	0	0
Department of Energy	5,822	0	225	0	5,114	0	483	0	0
Department of Health and Human Services	153,736	2,054	1,055	0	146,695	0	2,133	0	1,799
Department of Homeland Security	3	0	3	0	0	0	0	0	0
Department of the Interior	14,883	10,940	1,112	0	2,641	0	0	0	190
Department of Transportation	2,874	0	63	0	0	0	10	0	2,801

TABLE 90. Federal obligations for research and development, by state and other locations, selected agency, and performer: FY 2004

(Dollars in thousands)

State/location and agency	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Environmental Protection Agency	1,635	0	0	0	1,587	0	0	0	48
National Aeronautics and Space Administration	6,643	0	1,095	0	5,498	0	0	0	50
National Science Foundation	26,933	0	700	0	24,430	0	0	0	1,803
Maine	188,397	10,486	78,277	0	24,563	0	73,525	0	1,546
Department of Agriculture	7,043	2,772	0	0	4,113	0	30	0	128
Department of Commerce	2,747	961	42	0	1,394	0	350	0	0
Department of Defense, research	11,730	3,275	4,410	0	3,347	0	698	0	0
Department of Defense, total development ^b	70,209	1,111	67,260	0	877	0	961	0	0
Department of Energy	832	0	407	0	274	0	151	0	0
Department of Health and Human Services	74,085	0	628	0	3,318	0	69,875	0	264
Department of Homeland Security	379	0	0	0	379	0	0	0	0
Department of the Interior	2,733	2,367	49	0	161	0	0	0	156
Department of Transportation	1,003	0	5	0	0	0	0	0	998
Environmental Protection Agency	102	0	0	0	102	0	0	0	0
National Aeronautics and Space Administration	5,535	0	4,861	0	674	0	0	0	0
National Science Foundation	11,999	0	615	0	9,924	0	1,460	0	0
Maryland	12,163,037	7,691,998	2,380,042	404,862	1,362,682	0	218,286	120	105,047
Department of Agriculture	154,183	143,760	75	0	9,411	0	937	0	0
Department of Commerce	371,353	342,943	16,634	0	10,021	0	77	0	1,678
Department of Defense, research	654,865	461,867	146,002	0	42,655	0	4,333	0	8
Department of Defense, total development ^b	2,709,004	1,366,141	1,130,842	150	199,625	0	12,246	0	0
Department of Energy	31,704	3,567	4,376	0	14,063	0	9,698	0	0
Department of Health and Human Services	6,816,830	4,929,437	512,783	404,712	790,183	0	178,177	0	1,538
Department of Homeland Security	106,059	77,745	24,732	0	3,582	0	0	0	0
Department of the Interior	16,390	14,186	983	0	1,048	0	0	0	173
Department of Transportation	19,977	1,960	11,143	0	1,923	0	625	120	4,206
Environmental Protection Agency	7,485	0	5,163	0	1,630	0	599	0	93
National Aeronautics and Space Administration	1,178,886	344,557	523,325	0	213,248	0	405	0	97,351
National Science Foundation	96,301	5,835	3,984	0	75,293	0	11,189	0	0
Massachusetts	5,324,808	367,835	1,888,359	0	1,359,385	337,461	1,205,100	129,740	36,928
Department of Agriculture	23,788	17,121	111	0	6,121	0	430	0	5
Department of Commerce	32,551	7,273	13,735	0	10,388	0	1,155	0	0
Department of Defense, research	346,391	59,559	116,200	0	92,538	53,377	24,642	75	0
Department of Defense, total development ^b	2,061,659	221,862	1,402,081	0	19,638	281,264	7,149	129,665	0

TABLE 90. Federal obligations for research and development, by state and other locations, selected agency, and performer: FY 2004

(Dollars in thousands)

State/location and agency	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Department of Energy	113,072	0	23,665	0	86,226	0	3,181	0	0
Department of Health and Human Services	2,215,281	1,145	208,289	0	870,725	0	1,134,105	0	1,017
Department of Homeland Security	20,944	19,308	1,312	0	324	0	0	0	0
Department of the Interior	10,605	10,314	1	0	290	0	0	0	0
Department of Transportation	53,228	31,111	15,233	0	883	2,820	295	0	2,886
Environmental Protection Agency	10,027	142	861	0	4,894	0	4,016	0	114
National Aeronautics and Space Administration	173,020	0	95,696	0	38,484	0	5,934	0	32,906
National Science Foundation	264,242	0	11,175	0	228,874	0	24,193	0	0
Michigan	1,072,966	110,069	195,221	0	715,647	0	44,655	0	7,374
Department of Agriculture	27,625	5,947	0	0	21,678	0	0	0	0
Department of Commerce	22,594	8,262	11,765	0	2,567	0	0	0	0
Department of Defense, research	90,599	27,799	17,673	0	42,965	0	1,665	0	497
Department of Defense, total development ^b	196,530	59,572	127,364	0	5,536	0	4,058	0	0
Department of Energy	32,919	0	5,021	0	27,158	0	740	0	0
Department of Health and Human Services	537,762	572	19,049	0	481,243	0	35,794	0	1,104
Department of Homeland Security	601	436	165	0	0	0	0	0	0
Department of the Interior	6,255	5,735	44	0	253	0	0	0	223
Department of Transportation	13,638	170	7,427	0	566	0	0	0	5,475
Environmental Protection Agency	9,480	1,576	140	0	5,316	0	2,398	0	50
National Aeronautics and Space Administration	22,081	0	4,134	0	17,922	0	0	0	25
National Science Foundation	112,882	0	2,439	0	110,443	0	0	0	0
Minnesota	826,407	50,531	225,208	0	327,884	0	218,147	0	4,637
Department of Agriculture	35,913	18,949	2	0	16,616	0	10	0	336
Department of Commerce	4,807	152	3,248	0	1,407	0	0	0	0
Department of Defense, research	57,465	3	40,974	0	11,302	0	5,186	0	0
Department of Defense, total development ^b	173,603	3,769	130,673	0	5,017	0	34,144	0	0
Department of Energy	11,615	0	4,500	0	7,115	0	0	0	0
Department of Health and Human Services	440,551	150	38,375	0	221,587	0	178,684	0	1,755
Department of Homeland Security	3,300	2,389	907	0	4	0	0	0	0
Department of the Interior	3,032	2,530	34	0	299	0	0	0	169
Department of Transportation	2,420	0	54	0	53	0	19	0	2,294
Environmental Protection Agency	23,087	22,589	0	0	498	0	0	0	0
National Aeronautics and Space Administration	10,635	0	4,822	0	5,657	0	73	0	83
National Science Foundation	59,979	0	1,619	0	58,329	0	31	0	0

TABLE 90. Federal obligations for research and development, by state and other locations, selected agency, and performer: FY 2004

(Dollars in thousands)

State/location and agency	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Mississippi	1,593,661	137,569	1,303,919	0	142,743	0	5,715	0	3,715
Department of Agriculture	105,982	73,717	0	0	31,594	0	611	0	60
Department of Commerce	7,146	2,676	1,076	0	1,286	0	2,108	0	0
Department of Defense, research	48,317	29,124	2,127	0	17,066	0	0	0	0
Department of Defense, total development ^b	1,340,357	22,562	1,291,436	0	26,359	0	0	0	0
Department of Energy	2,862	0	0	0	2,862	0	0	0	0
Department of Health and Human Services	44,420	1	479	0	42,170	0	926	0	844
Department of Homeland Security	83	83	0	0	0	0	0	0	0
Department of the Interior	4,379	3,066	47	0	1,044	0	0	0	222
Department of Transportation	3,251	0	70	0	592	0	0	0	2,589
Environmental Protection Agency	1,782	44	66	0	1,672	0	0	0	0
National Aeronautics and Space Administration	24,657	6,296	8,306	0	8,059	0	1,996	0	0
National Science Foundation	10,425	0	312	0	10,039	0	74	0	0
Missouri	2,979,320	31,699	2,365,229	0	560,194	0	13,886	0	8,312
Department of Agriculture	32,278	13,446	0	0	18,742	0	90	0	0
Department of Commerce	1,146	23	488	0	635	0	0	0	0
Department of Defense, research	45,680	691	36,970	0	8,019	0	0	0	0
Department of Defense, total development ^b	2,337,383	8,139	2,314,226	0	15,013	0	5	0	0
Department of Energy	5,465	0	0	0	5,250	0	215	0	0
Department of Health and Human Services	484,526	503	7,472	0	463,849	0	11,298	0	1,404
Department of Homeland Security	450	146	55	0	0	0	249	0	0
Department of the Interior	9,153	8,751	94	0	285	0	0	0	23
Department of Transportation	7,596	0	8	0	168	0	656	0	6,764
Environmental Protection Agency	95	0	0	0	95	0	0	0	0
National Aeronautics and Space Administration	20,795	0	4,559	0	16,121	0	0	0	115
National Science Foundation	34,753	0	1,357	0	32,017	0	1,373	0	6
Montana	187,224	61,660	38,848	0	74,157	0	8,614	0	3,945
Department of Agriculture	30,572	16,038	9	0	11,979	0	2,546	0	0
Department of Commerce	113	18	0	0	95	0	0	0	0
Department of Defense, research	29,167	8	19,632	0	9,527	0	0	0	0
Department of Defense, total development ^b	18,032	4,162	9,773	0	4,091	0	6	0	0
Department of Energy	2,937	0	980	0	1,470	0	487	0	0
Department of Health and Human Services	72,388	36,131	2,425	0	26,640	0	5,531	0	1,661
Department of the Interior	7,715	5,303	47	0	1,618	0	0	0	747
Department of Transportation	1,537	0	0	0	0	0	0	0	1,537
Environmental Protection Agency	70	0	70	0	0	0	0	0	0

TABLE 90. Federal obligations for research and development, by state and other locations, selected agency, and performer: FY 2004

(Dollars in thousands)

State/location and agency	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
National Aeronautics and Space Administration	8,996	0	3,631	0	5,365	0	0	0	0
National Science Foundation	15,697	0	2,281	0	13,372	0	44	0	0
Nebraska	155,268	26,696	10,903	0	106,852	0	5,539	0	5,278
Department of Agriculture	36,745	23,681	0	0	13,064	0	0	0	0
Department of Commerce	907	164	0	0	163	0	580	0	0
Department of Defense, research	7,167	221	39	0	6,907	0	0	0	0
Department of Defense, total development ^b	6,548	111	6,367	0	70	0	0	0	0
Department of Energy	1,740	0	0	0	1,740	0	0	0	0
Department of Health and Human Services	73,908	0	3,547	0	64,597	0	4,774	0	990
Department of the Interior	2,700	2,519	47	0	134	0	0	0	0
Department of Transportation	2,629	0	0	0	900	0	0	0	1,729
National Aeronautics and Space Administration	5,622	0	773	0	2,290	0	0	0	2,559
National Science Foundation	17,302	0	130	0	16,987	0	185	0	0
Nevada	510,181	36,089	343,552	0	121,851	0	5,652	0	3,037
Department of Agriculture	3,176	545	0	0	2,631	0	0	0	0
Department of Commerce	1,236	6	336	0	894	0	0	0	0
Department of Defense, research	14,400	2,045	5,154	0	7,201	0	0	0	0
Department of Defense, total development ^b	35,718	5,438	29,691	0	589	0	0	0	0
Department of Energy	362,934	181	281,978	0	77,706	0	3,069	0	0
Department of Health and Human Services	22,165	0	1,384	0	18,416	0	2,365	0	0
Department of Homeland Security	2,451	1,777	674	0	0	0	0	0	0
Department of the Interior	3,040	2,757	70	0	213	0	0	0	0
Department of Transportation	3,836	0	752	0	147	0	0	0	2,937
Environmental Protection Agency	23,876	23,340	0	0	318	0	218	0	0
National Aeronautics and Space Administration	25,723	0	23,413	0	2,210	0	0	0	100
National Science Foundation	11,626	0	100	0	11,526	0	0	0	0
New Hampshire	354,013	54,987	147,293	0	146,222	0	3,199	0	2,312
Department of Agriculture	9,626	6,382	0	0	3,223	0	0	0	21
Department of Commerce	23,192	2,760	2,584	0	17,848	0	0	0	0
Department of Defense, research	37,879	4,821	30,672	0	711	0	1,675	0	0
Department of Defense, total development ^b	105,742	12,962	91,320	0	150	0	1,310	0	0
Department of Energy	2,588	0	1,295	0	1,293	0	0	0	0
Department of Health and Human Services	98,821	0	5,522	0	92,302	0	198	0	799
Department of Homeland Security	37,156	26,931	10,225	0	0	0	0	0	0
Department of the Interior	712	430	0	0	208	0	0	0	74
Department of Transportation	2,752	0	107	0	1,832	0	0	0	813
Environmental Protection Agency	1,046	0	0	0	877	0	0	0	169

TABLE 90. Federal obligations for research and development, by state and other locations, selected agency, and performer: FY 2004

(Dollars in thousands)

State/location and agency	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
National Aeronautics and Space Administration	20,300	0	5,456	0	14,392	0	16	0	436
National Science Foundation	14,199	701	112	0	13,386	0	0	0	0
New Jersey	1,968,803	562,416	946,328	0	374,538	52,413	23,851	0	9,257
Department of Agriculture	6,860	0	233	0	6,627	0	0	0	0
Department of Commerce	28,164	16,749	8,909	0	2,506	0	0	0	0
Department of Defense, research	166,220	56,833	75,293	0	33,904	25	158	0	7
Department of Defense, total development ^b	1,190,503	437,532	740,164	0	12,265	0	542	0	0
Department of Energy	79,498	27	12,057	0	14,428	52,388	598	0	0
Department of Health and Human Services	272,112	1,500	39,150	0	209,706	0	21,026	0	730
Department of Homeland Security	29,400	27,717	1,298	0	0	0	385	0	0
Department of the Interior	2,842	1,989	0	0	581	0	0	0	272
Department of Transportation	27,986	15,993	7,412	0	150	0	0	0	4,431
Environmental Protection Agency	7,445	3,986	140	0	3,088	0	231	0	0
National Aeronautics and Space Administration	75,611	0	58,917	0	12,877	0	0	0	3,817
National Science Foundation	82,162	90	2,755	0	78,406	0	911	0	0
New Mexico	3,069,159	416,495	342,509	981,657	228,996	1,055,810	16,573	0	27,119
Department of Agriculture	12,778	5,315	10	0	6,158	0	1,291	0	4
Department of Commerce	5,914	26	4,294	0	1,594	0	0	0	0
Department of Defense, research	169,268	86,765	42,222	18,305	13,546	8,247	130	0	53
Department of Defense, total development ^b	646,608	230,837	265,333	109,491	29,182	11,762	3	0	0
Department of Energy	1,962,913	55,865	1,629	824,590	65,445	1,014,391	993	0	0
Department of Health and Human Services	110,788	0	5,062	1,604	65,495	17,026	11,440	0	10,161
Department of Homeland Security	75,552	35,121	13,325	23,046	0	4,060	0	0	0
Department of the Interior	8,856	2,326	5,403	0	369	0	0	0	758
Department of Transportation	7,532	0	419	4,621	811	0	130	0	1,551
Environmental Protection Agency	3,799	0	728	0	1,886	0	1,185	0	0
National Aeronautics and Space Administration	41,378	0	2,268	0	24,942	0	0	0	14,168
National Science Foundation	23,773	240	1,816	0	19,568	324	1,401	0	424
New York	4,034,084	149,717	1,239,110	0	1,917,418	0	354,025	254,325	119,489
Department of Agriculture	41,975	15,343	0	0	25,381	0	1,251	0	0
Department of Commerce	25,731	163	8,925	0	15,941	0	2	0	700
Department of Defense, research	205,003	71,629	75,587	0	55,073	0	1,851	863	0
Department of Defense, total development ^b	785,270	37,051	737,927	0	9,833	0	456	3	0

TABLE 90. Federal obligations for research and development, by state and other locations, selected agency, and performer: FY 2004

(Dollars in thousands)

State/location and agency	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Department of Energy	613,095	490	320,851	0	50,075	0	2,903	238,776	0
Department of Health and Human Services	1,924,561	2,056	54,677	0	1,431,599	0	329,066	12,068	95,095
Department of Homeland Security	27,945	18,300	7,041	0	0	0	0	2,503	101
Department of the Interior	4,561	3,731	0	0	684	0	22	0	124
Department of Transportation	14,981	648	2,539	0	3,189	0	533	0	8,072
Environmental Protection Agency	13,016	0	70	0	11,543	0	1,156	0	247
National Aeronautics and Space Administration	76,815	0	26,509	0	34,622	0	539	0	15,145
National Science Foundation	301,131	306	4,984	0	279,478	0	16,246	112	5
North Carolina	1,677,026	393,532	205,821	0	976,864	0	89,807	0	11,002
Department of Agriculture	41,192	16,477	0	0	24,278	0	129	0	308
Department of Commerce	18,295	11,926	3,959	0	1,182	0	4	0	1,224
Department of Defense, research	114,611	25,764	35,875	0	47,406	0	5,566	0	0
Department of Defense, total development ^b	61,004	16,718	39,286	0	4,710	0	290	0	0
Department of Energy	20,207	224	0	0	14,514	0	5,469	0	0
Department of Health and Human Services	1,114,665	137,338	115,827	0	788,896	0	68,143	0	4,461
Department of Homeland Security	2,972	1,900	722	0	0	0	350	0	0
Department of the Interior	3,589	2,733	56	0	600	0	200	0	0
Department of Transportation	4,697	0	211	0	92	0	0	0	4,394
Environmental Protection Agency	191,926	180,452	3,718	0	4,765	0	2,911	0	80
National Aeronautics and Space Administration	22,212	0	4,713	0	11,444	0	5,950	0	105
National Science Foundation	81,656	0	1,454	0	78,977	0	795	0	430
North Dakota	102,998	26,130	7,699	0	66,290	0	1,369	0	1,510
Department of Agriculture	34,799	22,616	0	0	12,179	0	0	0	4
Department of Commerce	1,326	140	0	0	1,186	0	0	0	0
Department of Defense, research	8,057	0	4	0	8,053	0	0	0	0
Department of Defense, total development ^b	12,323	184	2,016	0	10,123	0	0	0	0
Department of Energy	10,009	0	350	0	9,659	0	0	0	0
Department of Health and Human Services	20,553	0	4,153	0	14,581	0	1,369	0	450
Department of the Interior	3,578	3,190	15	0	373	0	0	0	0
Department of Transportation	1,995	0	0	0	985	0	0	0	1,010
Environmental Protection Agency	1,209	0	0	0	1,163	0	0	0	46
National Aeronautics and Space Administration	2,203	0	105	0	2,098	0	0	0	0
National Science Foundation	6,946	0	1,056	0	5,890	0	0	0	0

TABLE 90. Federal obligations for research and development, by state and other locations, selected agency, and performer: FY 2004

(Dollars in thousands)

State/location and agency	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Ohio	2,505,458	751,194	830,113	0	677,766	0	230,607	0	15,778
Department of Agriculture	27,980	9,979	71	0	16,505	0	1,425	0	0
Department of Commerce	9,099	102	6,745	0	531	0	1,721	0	0
Department of Defense, research	422,903	199,089	172,672	0	28,558	0	22,584	0	0
Department of Defense, total development ^b	712,172	197,821	485,526	0	19,828	0	8,997	0	0
Department of Energy	36,358	0	16,464	0	12,852	0	7,042	0	0
Department of Health and Human Services	713,026	16,436	28,885	0	500,657	0	164,419	0	2,629
Department of Homeland Security	31,645	20,547	752	0	0	0	10,346	0	0
Department of the Interior	2,598	1,960	50	0	134	0	75	0	379
Department of Transportation	21,402	1,327	7,676	0	2,362	0	4,180	0	5,857
Environmental Protection Agency	132,503	96,587	33,276	0	1,348	0	949	0	343
National Aeronautics and Space Administration	322,845	207,346	75,215	0	25,406	0	8,308	0	6,570
National Science Foundation	72,927	0	2,781	0	69,585	0	561	0	0
Oklahoma	304,010	89,421	73,996	0	104,630	0	31,320	0	4,643
Department of Agriculture	21,989	12,196	0	0	9,740	0	0	0	53
Department of Commerce	11,094	6,768	1,135	0	3,191	0	0	0	0
Department of Defense, research	14,416	770	8,341	0	5,305	0	0	0	0
Department of Defense, total development ^b	87,508	41,222	44,371	0	1,915	0	0	0	0
Department of Energy	9,195	2,007	1,500	0	4,148	0	1,540	0	0
Department of Health and Human Services	84,095	0	2,861	0	51,408	0	28,972	0	854
Department of Homeland Security	523	379	144	0	0	0	0	0	0
Department of the Interior	1,860	1,652	0	0	208	0	0	0	0
Department of Transportation	17,161	11,438	3,092	0	0	0	0	0	2,631
Environmental Protection Agency	14,161	12,989	225	0	947	0	0	0	0
National Aeronautics and Space Administration	22,680	0	11,577	0	9,998	0	0	0	1,105
National Science Foundation	19,328	0	750	0	17,770	0	808	0	0
Oregon	448,788	64,717	55,243	0	286,929	0	36,665	0	5,234
Department of Agriculture	50,173	39,433	67	0	10,604	0	43	0	26
Department of Commerce	6,975	3,040	810	0	3,125	0	0	0	0
Department of Defense, research	15,626	1,433	5,169	0	9,024	0	0	0	0
Department of Defense, total development ^b	14,471	33	11,019	0	3,419	0	0	0	0
Department of Energy	21,639	100	15,141	0	6,316	0	82	0	0
Department of Health and Human Services	255,820	0	14,475	0	202,923	0	36,108	0	2,314
Department of Homeland Security	5	0	5	0	0	0	0	0	0
Department of the Interior	10,857	9,085	30	0	1,392	0	0	0	350
Department of Transportation	5,025	0	3,142	0	0	0	0	0	1,883

TABLE 90. Federal obligations for research and development, by state and other locations, selected agency, and performer: FY 2004

(Dollars in thousands)

State/location and agency	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Environmental Protection Agency	15,867	11,593	70	0	3,828	0	0	0	376
National Aeronautics and Space Administration	12,476	0	4,319	0	7,872	0	0	0	285
National Science Foundation	39,854	0	996	0	38,426	0	432	0	0
Pennsylvania	3,282,428	170,981	1,205,256	0	1,491,130	27,794	373,046	0	14,221
Department of Agriculture	57,516	44,490	0	0	11,934	0	1,079	0	13
Department of Commerce	8,859	149	5,354	0	2,824	0	5	0	527
Department of Defense, research	155,938	10,021	30,855	0	108,069	699	6,294	0	0
Department of Defense, total development ^b	1,005,345	43,461	783,906	0	82,780	27,095	68,103	0	0
Department of Energy	417,828	54,450	326,565	0	32,942	0	3,871	0	0
Department of Health and Human Services	1,387,151	10,814	37,837	0	1,047,824	0	284,960	0	5,716
Department of Homeland Security	3,817	3,636	181	0	0	0	0	0	0
Department of the Interior	3,608	3,265	77	0	185	0	10	0	71
Department of Transportation	9,539	695	1,298	0	348	0	0	0	7,198
Environmental Protection Agency	1,888	0	70	0	1,215	0	603	0	0
National Aeronautics and Space Administration	48,447	0	15,826	0	31,922	0	3	0	696
National Science Foundation	182,492	0	3,287	0	171,087	0	8,118	0	0
Rhode Island	495,259	259,668	51,553	0	113,817	0	68,292	0	1,929
Department of Agriculture	2,477	0	0	0	2,438	0	39	0	0
Department of Commerce	1,933	476	18	0	1,436	0	3	0	0
Department of Defense, research	36,806	19,250	5,375	0	12,120	0	61	0	0
Department of Defense, total development ^b	267,336	223,380	40,000	0	3,956	0	0	0	0
Department of Energy	2,918	0	0	0	2,809	0	109	0	0
Department of Health and Human Services	131,975	0	5,697	0	58,884	0	66,391	0	1,003
Department of Homeland Security	35	0	35	0	0	0	0	0	0
Department of the Interior	1,672	1,361	0	0	311	0	0	0	0
Department of Transportation	960	0	34	0	0	0	0	0	926
Environmental Protection Agency	15,686	15,201	0	0	485	0	0	0	0
National Aeronautics and Space Administration	5,739	0	394	0	5,345	0	0	0	0
National Science Foundation	27,722	0	0	0	26,033	0	1,689	0	0
South Carolina	373,316	53,949	96,126	19,456	161,237	0	33,919	0	8,629
Department of Agriculture	19,095	11,497	0	0	7,598	0	0	0	0
Department of Commerce	9,005	4,677	13	0	525	0	461	0	3,329
Department of Defense, research	22,749	2,543	7,179	0	11,550	0	1,477	0	0
Department of Defense, total development ^b	131,214	32,159	75,611	504	4,618	0	18,322	0	0

TABLE 90. Federal obligations for research and development, by state and other locations, selected agency, and performer: FY 2004

(Dollars in thousands)

State/location and agency	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Department of Energy	23,028	0	0	18,952	3,975	0	101	0	0
Department of Health and Human Services	125,309	1	5,880	0	114,741	0	2,723	0	1,964
Department of Homeland Security	1,660	1,327	333	0	0	0	0	0	0
Department of the Interior	2,325	1,650	0	0	321	0	0	0	354
Department of Transportation	3,203	0	79	0	386	0	0	0	2,738
Environmental Protection Agency	1,143	0	69	0	89	0	741	0	244
National Aeronautics and Space Administration	11,045	0	5,780	0	5,265	0	0	0	0
National Science Foundation	23,540	95	1,182	0	12,169	0	10,094	0	0
South Dakota	70,036	15,666	4,621	0	33,325	0	3,846	0	12,578
Department of Agriculture	9,741	4,116	0	0	5,550	0	0	0	75
Department of Commerce	17	3	0	0	14	0	0	0	0
Department of Defense, research	7,073	0	923	0	6,150	0	0	0	0
Department of Defense, total development ^b	815	65	750	0	0	0	0	0	0
Department of Energy	123	0	0	0	123	0	0	0	0
Department of Health and Human Services	16,507	0	612	0	11,819	0	3,846	0	230
Department of the Interior	13,248	11,482	1,175	0	571	0	0	0	20
Department of Transportation	3,419	0	579	0	989	0	0	0	1,851
Environmental Protection Agency	714	0	0	0	610	0	0	0	104
National Aeronautics and Space Administration	12,529	0	71	0	2,160	0	0	0	10,298
National Science Foundation	5,850	0	511	0	5,339	0	0	0	0
Tennessee	1,063,396	49,538	140,980	0	417,693	15,268	66,498	361,141	12,278
Department of Agriculture	23,950	11,350	0	0	12,491	0	109	0	0
Department of Commerce	3,571	1,171	1,355	0	1,045	0	0	0	0
Department of Defense, research	30,278	2,283	8,078	0	16,032	750	0	3,135	0
Department of Defense, total development ^b	92,386	17,465	58,943	0	3,941	5,487	0	6,550	0
Department of Energy	384,207	1,226	5,516	0	10,057	8,269	10,843	348,296	0
Department of Health and Human Services	393,493	0	4,854	0	330,223	0	55,441	1,707	1,268
Department of Homeland Security	18,659	13,338	4,521	0	0	200	0	600	0
Department of the Interior	2,632	2,317	47	0	177	0	0	0	91
Department of Transportation	4,846	388	337	0	134	168	0	580	3,239
Environmental Protection Agency	912	0	365	0	547	0	0	0	0
National Aeronautics and Space Administration	71,967	0	55,433	0	8,854	0	0	0	7,680
National Science Foundation	36,495	0	1,531	0	34,192	394	105	273	0

TABLE 90. Federal obligations for research and development, by state and other locations, selected agency, and performer: FY 2004

(Dollars in thousands)

State/location and agency	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Texas	5,025,951	259,608	3,301,999	0	1,302,878	0	116,465	5,977	39,024
Department of Agriculture	97,586	60,911	0	0	36,655	0	20	0	0
Department of Commerce	18,218	930	15,841	0	1,447	0	0	0	0
Department of Defense, research	152,260	53,238	39,230	0	55,942	0	2,236	0	1,614
Department of Defense, total development ^b	3,019,849	93,771	2,882,272	0	37,613	0	383	5,810	0
Department of Energy	47,370	0	16,544	0	28,743	0	2,083	0	0
Department of Health and Human Services	1,143,884	401	46,658	0	1,005,415	0	69,864	167	21,379
Department of Homeland Security	2,406	1,754	338	0	250	0	64	0	0
Department of the Interior	9,498	6,152	1,886	0	1,444	0	1	0	15
Department of Transportation	21,013	0	4,643	0	1,112	0	614	0	14,644
Environmental Protection Agency	4,645	0	190	0	1,943	0	2,268	0	244
National Aeronautics and Space Administration	403,545	42,451	290,379	0	32,027	0	38,134	0	554
National Science Foundation	105,677	0	4,018	0	100,287	0	798	0	574
Utah	682,146	94,564	357,663	0	222,734	0	4,388	0	2,797
Department of Agriculture	28,056	17,475	0	0	10,546	0	0	0	35
Department of Commerce	763	97	0	0	666	0	0	0	0
Department of Defense, research	34,092	4,690	20,627	0	8,775	0	0	0	0
Department of Defense, total development ^b	392,025	67,378	315,777	0	8,870	0	0	0	0
Department of Energy	11,770	106	3,052	0	8,612	0	0	0	0
Department of Health and Human Services	154,718	700	13,152	0	136,001	0	3,952	0	913
Department of Homeland Security	1,492	1,492	0	0	0	0	0	0	0
Department of the Interior	3,335	2,626	0	0	223	0	0	0	486
Department of Transportation	1,802	0	497	0	50	0	0	0	1,255
Environmental Protection Agency	666	0	225	0	333	0	0	0	108
National Aeronautics and Space Administration	21,422	0	3,442	0	17,980	0	0	0	0
National Science Foundation	32,005	0	891	0	30,678	0	436	0	0
Vermont	211,661	3,625	116,859	0	83,299	0	3,488	0	4,390
Department of Agriculture	10,410	2,339	0	0	8,049	0	12	0	10
Department of Commerce	1,139	248	0	0	891	0	0	0	0
Department of Defense, research	8,586	145	5,402	0	439	0	2,600	0	0
Department of Defense, total development ^b	107,115	1	106,990	0	124	0	0	0	0
Department of Energy	1,453	0	416	0	1,037	0	0	0	0
Department of Health and Human Services	71,614	0	3,215	0	64,188	0	721	0	3,490
Department of Homeland Security	324	235	89	0	0	0	0	0	0
Department of the Interior	1,027	657	0	0	185	0	0	0	185
Department of Transportation	705	0	0	0	0	0	0	0	705

TABLE 90. Federal obligations for research and development, by state and other locations, selected agency, and performer: FY 2004

(Dollars in thousands)

State/location and agency	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Environmental Protection Agency	993	0	0	0	838	0	155	0	0
National Aeronautics and Space Administration	1,935	0	747	0	1,188	0	0	0	0
National Science Foundation	6,360	0	0	0	6,360	0	0	0	0
Virginia	6,191,481	1,975,524	3,250,001	0	457,887	135,904	108,668	210,224	53,273
Department of Agriculture	15,530	1,393	115	0	12,288	0	1,734	0	0
Department of Commerce	12,983	1,579	7,106	0	3,666	0	0	0	632
Department of Defense, research	632,686	232,362	337,529	0	33,032	6,850	9,303	13,610	0
Department of Defense, total development ^b	3,815,173	1,297,023	2,300,176	0	23,056	0	2,459	192,459	0
Department of Energy	100,895	6,339	11,083	0	7,988	73,718	1,767	0	0
Department of Health and Human Services	467,340	2,000	177,916	0	241,283	0	42,001	671	3,469
Department of Homeland Security	154,461	98,965	33,726	0	188	0	21,582	0	0
Department of the Interior	142,261	123,654	2,998	0	15,126	0	33	0	450
Department of Transportation	48,716	2,261	34,000	0	2,226	0	5,512	0	4,717
Environmental Protection Agency	14,376	1,371	6,694	0	741	0	5,420	0	150
National Aeronautics and Space Administration	640,952	206,538	331,778	0	54,074	0	4,707	0	43,855
National Science Foundation	146,108	2,039	6,880	0	64,219	55,336	14,150	3,484	0
Washington	2,070,868	221,521	726,118	0	669,960	0	284,561	155,956	12,752
Department of Agriculture	50,938	32,939	0	0	17,511	0	488	0	0
Department of Commerce	63,290	51,196	1,578	0	8,171	0	2,345	0	0
Department of Defense, research	69,561	7,172	28,130	0	31,748	0	1,846	588	77
Department of Defense, total development ^b	708,428	79,196	614,472	0	5,519	0	0	9,241	0
Department of Energy	186,244	24,122	3,762	0	18,457	0	900	139,003	0
Department of Health and Human Services	808,761	3,552	40,441	0	476,653	0	274,805	7,124	6,186
Department of Homeland Security	22,801	16,527	6,274	0	0	0	0	0	0
Department of the Interior	7,749	6,791	61	0	420	0	0	0	477
Department of Transportation	8,007	1	1,213	0	1,485	0	467	0	4,841
Environmental Protection Agency	12,599	0	70	0	11,701	0	0	0	828
National Aeronautics and Space Administration	37,012	0	26,325	0	10,344	0	0	0	343
National Science Foundation	95,478	25	3,792	0	87,951	0	3,710	0	0
West Virginia	288,687	130,966	86,325	0	49,007	0	17,454	0	4,935
Department of Agriculture	34,788	26,062	0	0	7,875	0	746	0	105
Department of Commerce	3,054	651	55	0	1,698	0	650	0	0
Department of Defense, research	34,015	21,650	7,678	0	380	0	4,307	0	0
Department of Defense, total development ^b	43,129	800	36,370	0	1,603	0	4,356	0	0

TABLE 90. Federal obligations for research and development, by state and other locations, selected agency, and performer: FY 2004

(Dollars in thousands)

State/location and agency	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Department of Energy	98,993	59,176	37,157	0	697	0	1,963	0	0
Department of Health and Human Services	42,142	17,669	628	0	23,041	0	651	0	153
Department of Homeland Security	474	344	130	0	0	0	0	0	0
Department of the Interior	5,241	4,595	0	0	335	0	0	0	311
Department of Transportation	3,681	19	1,005	0	1,303	0	0	0	1,354
Environmental Protection Agency	1,518	0	0	0	0	0	1,453	0	65
National Aeronautics and Space Administration	15,129	0	3,089	0	12,040	0	0	0	0
National Science Foundation	6,523	0	213	0	35	0	3,328	0	2,947
Wisconsin	644,575	56,372	72,858	0	486,511	0	17,639	0	11,195
Department of Agriculture	64,188	45,095	25	0	18,831	0	237	0	0
Department of Commerce	10,344	1,095	7,177	0	2,072	0	0	0	0
Department of Defense, research	33,185	0	17,841	0	15,344	0	0	0	0
Department of Defense, total development ^b	22,792	184	22,078	0	530	0	0	0	0
Department of Energy	26,082	0	0	0	26,082	0	0	0	0
Department of Health and Human Services	378,881	1	17,179	0	338,114	0	16,945	0	6,642
Department of Homeland Security	1	0	1	0	0	0	0	0	0
Department of the Interior	14,956	9,997	0	0	4,959	0	0	0	0
Department of Transportation	3,432	0	3	0	277	0	0	0	3,152
Environmental Protection Agency	2,621	0	70	0	704	0	446	0	1,401
National Aeronautics and Space Administration	19,480	0	6,647	0	12,833	0	0	0	0
National Science Foundation	68,613	0	1,837	0	66,765	0	11	0	0
Wyoming	45,686	8,127	1,911	0	26,698	0	6,285	0	2,665
Department of Agriculture	9,551	6,276	0	0	3,275	0	0	0	0
Department of Commerce	353	0	0	0	353	0	0	0	0
Department of Defense, research	2,403	0	4	0	2,399	0	0	0	0
Department of Defense, total development ^b	499	64	384	0	51	0	0	0	0
Department of Energy	5,284	0	0	0	1,245	0	4,039	0	0
Department of Health and Human Services	10,027	0	623	0	7,642	0	246	0	1,516
Department of the Interior	2,019	1,787	75	0	157	0	0	0	0
Department of Transportation	3,717	0	0	0	675	0	2,000	0	1,042
Environmental Protection Agency	107	0	0	0	0	0	0	0	107
National Aeronautics and Space Administration	1,838	0	201	0	1,637	0	0	0	0
National Science Foundation	9,888	0	624	0	9,264	0	0	0	0

TABLE 90. Federal obligations for research and development, by state and other locations, selected agency, and performer: FY 2004

(Dollars in thousands)

State/location and agency	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Outlying areas	128,788	15,555	6,374	0	95,274	10,528	226	0	831
Department of Agriculture	13,560	3,880	0	0	9,664	0	16	0	0
Department of Commerce	2,047	561	5	0	1,401	0	0	0	80
Department of Defense, research	883	441	0	0	442	0	0	0	0
Department of Defense, total development ^b	15,035	8,767	6,268	0	0	0	0	0	0
Department of Energy	795	0	0	0	795	0	0	0	0
Department of Health and Human Services	62,539	1,271	1	0	60,460	0	210	0	597
Department of the Interior	1,100	635	0	0	465	0	0	0	0
National Aeronautics and Space Administration	10,275	0	0	0	10,121	0	0	0	154
National Science Foundation	22,554	0	100	0	11,926	10,528	0	0	0
Puerto Rico	100,904	5,686	103	0	83,840	10,528	16	0	731
Department of Agriculture	8,735	3,880	0	0	4,839	0	16	0	0
Department of Commerce	537	0	2	0	455	0	0	0	80
Department of Defense, research	442	0	0	0	442	0	0	0	0
Department of Energy	795	0	0	0	795	0	0	0	0
Department of Health and Human Services	58,496	1,271	1	0	56,727	0	0	0	497
Department of the Interior	628	535	0	0	93	0	0	0	0
National Aeronautics and Space Administration	10,125	0	0	0	9,971	0	0	0	154
National Science Foundation	21,146	0	100	0	10,518	10,528	0	0	0
Other areas	27,884	9,869	6,271	0	11,434	0	210	0	100
Department of Agriculture	4,825	0	0	0	4,825	0	0	0	0
Department of Commerce	1,510	561	3	0	946	0	0	0	0
Department of Defense, research	441	441	0	0	0	0	0	0	0
Department of Defense, total development ^b	15,035	8,767	6,268	0	0	0	0	0	0
Department of Health and Human Services	4,043	0	0	0	3,733	0	210	0	100
Department of the Interior	472	100	0	0	372	0	0	0	0
National Aeronautics and Space Administration	150	0	0	0	150	0	0	0	0
National Science Foundation	1,408	0	0	0	1,408	0	0	0	0
Offices abroad	99,368	41,911	43,415	0	12,397	0	1,645	0	0
Department of Agriculture	5,474	5,431	0	0	43	0	0	0	0
Department of Defense, research	21,498	19,952	2	0	1,544	0	0	0	0

TABLE 90. Federal obligations for research and development, by state and other locations, selected agency, and performer: FY 2004

(Dollars in thousands)

State/location and agency	Total R&D	Intramural ^a	Extramural						
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments
Department of Defense, total development ^b	56,098	13,377	42,721	0	0	0	0	0	0
Department of Health and Human Services	16,280	3,151	674	0	10,810	0	1,645	0	0
Department of the Interior	18	0	18	0	0	0	0	0	0

FFRDC = federally funded research and development center.

^a Includes costs associated with administration of intramural and extramural programs by federal personnel and actual intramural performance.

^b Beginning with volume 44 (FY 1994–96), DOD development obligations are reported in two categories: advanced technology and major systems. Geographic data for these categories are not reported; therefore, this table shows only total development.

NOTES: Only 11 agencies are required to report data for this section of survey: Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Homeland Security, Interior, and Transportation; Environmental Protection Agency; National Aeronautics and Space Administration; and National Science Foundation. Obligations of these 11 agencies represented over 98% of total federal R&D and R&D plant obligations in FY 2004. Geographic distribution of Department of Defense development funding to industry reflects location of only prime contractors and not numerous subcontractors who perform much of the R&D.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 91. Federal obligations for R&D plant, by state and other locations and selected agency: FY 2004

(Dollars in thousands)

State/location	Total	DHS	DOC	DOD	DOE	DOI	DOT	HHS	NASA	NSF	USDA
All locations	3,979,316	117,249	89,686	274,656	1,006,778	7,906	17,721	430,574	1,459,950	395,358	179,438
Alabama	37,260	550	0	1,623	0	0	0	9,655	23,129	2,303	0
Alaska	126,824	0	9,365	117,459	0	0	0	0	0	0	0
Arizona	27,707	2,232	0	0	0	0	0	40	2,249	2,410	20,776
Arkansas	7,691	0	0	0	0	0	0	6,938	0	753	0
California	987,668	22,883	0	30,309	325,397	0	0	9,961	563,083	34,201	1,834
Colorado	82,897	0	12,763	0	13,637	0	750	2,925	6,410	46,297	115
Connecticut	46,848	2,389	0	98	200	0	0	12	43,407	736	6
Delaware	608	15	0	0	0	0	0	0	16	577	0
District of Columbia	118,124	10,725	0	23,357	3,832	0	0	3,531	57,485	19,194	0
Florida	120,885	1,316	0	12,118	0	0	0	4,238	76,764	19,495	6,954
Georgia	16,351	2,669	0	11,082	0	0	0	1,784	220	596	0
Hawaii	7,019	0	0	0	0	0	0	0	0	2,030	4,989
Idaho	22,599	2,481	0	0	19,964	0	0	0	0	0	154
Illinois	122,898	4,938	0	231	94,126	0	0	3,600	218	15,438	4,347
Indiana	7,683	61	0	0	577	0	0	3,679	137	3,229	0
Iowa	107,034	33	0	0	4,016	0	0	0	13	2,020	100,952
Kansas	1,320	0	0	0	0	0	0	672	1	646	1
Kentucky	7,389	814	0	0	0	0	0	4,385	533	1,657	0
Louisiana	17,249	0	0	0	0	0	0	14,405	151	2,218	475
Maine	4,808	0	0	0	0	0	0	630	0	1,092	3,086
Maryland	472,693	13,703	51,010	47,762	0	2,567	0	281,176	69,347	2,863	4,265
Massachusetts	21,585	694	0	300	2,494	0	0	4,010	3,310	10,777	0
Michigan	7,957	88	0	9	0	0	0	3,700	28	3,268	864
Minnesota	5,682	485	0	0	0	0	0	2,310	80	2,617	190
Mississippi	11,037	0	6,846	0	0	0	0	0	50	2,076	2,065
Missouri	4,700	66	0	0	0	0	0	2,272	210	1,107	1,045
Montana	3,397	0	0	0	0	0	0	2,095	99	378	825
Nebraska	1,512	0	0	0	0	0	0	700	0	0	812
Nevada	7,608	360	0	0	5,213	0	0	579	532	924	0
New Hampshire	6,602	5,451	0	0	0	0	0	0	20	1,129	2
New Jersey	50,504	663	0	0	20,346	0	16,403	3,787	3,177	6,128	0
New Mexico	269,358	10,794	0	0	250,170	5,339	0	700	370	1,985	0
New York	71,345	4,072	0	1,994	44,075	0	0	4,369	231	16,219	385
North Carolina	21,040	436	0	0	700	0	0	14,072	55	5,429	348
Ohio	19,466	1,903	0	8,407	358	0	0	1	6,294	2,503	0
Oklahoma	17,605	77	9,702	0	0	0	0	7,400	5	370	51
Oregon	7,082	0	0	0	1,000	0	0	3,650	144	1,260	1,028
Pennsylvania	26,819	92	0	4,540	3,527	0	0	3,857	302	14,127	374
Rhode Island	11,950	0	0	11,244	0	0	0	0	107	599	0
South Carolina	8,550	178	0	216	74	0	0	631	36	2,558	4,857
South Dakota	10,798	0	0	0	0	0	0	0	36	400	10,362
Tennessee	199,675	2,411	0	0	183,157	0	0	4,631	6,299	3,177	0
Texas	568,683	214	0	0	500	0	0	4,163	554,995	8,752	59
Utah	1,118	0	0	0	0	0	0	41	229	229	619
Vermont	568	47	0	0	0	0	0	521	0	0	0
Virginia	179,329	20,995	0	3,907	10,875	0	568	116	35,398	107,470	0
Washington	32,365	3,345	0	0	18,340	0	0	7,981	62	1,885	752
West Virginia	11,325	69	0	0	4,200	0	0	700	4,701	0	1,655
Wisconsin	56,234	0	0	0	0	0	0	10,650	0	41,471	4,113

TABLE 91. Federal obligations for R&D plant, by state and other locations and selected agency: FY 2004

(Dollars in thousands)

State/location	Total	DHS	DOC	DOD	DOE	DOI	DOT	HHS	NASA	NSF	USDA
Wyoming	276	0	0	0	0	0	0	0	17	256	3
Outlying areas	1,591	0	0	0	0	0	0	7	0	509	1,075
Puerto Rico	1,591	0	0	0	0	0	0	7	0	509	1,075

DHS = Department of Homeland Security; DOC = Department of Commerce; DOD = Department of Defense; DOE = Department of Energy; DOI = Department of Interior; DOT = Department of Transportation; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; NSF = National Science Foundation; USDA = Department of Agriculture.

NOTES: Only 11 agencies are required to report data for this section of survey (the Environmental Protection Agency reported zero R&D plant obligations in FY 2004). Obligations of these 11 agencies represented over 98% of total federal R&D and R&D plant obligations in FY 2004. Geographic distribution of Department of Defense funding to industry reflects location of only prime contractors and not numerous subcontractors who perform much of the R&D. Only those states and/or areas for which data were non-zero are listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 92. Federal obligations for research and development to intramural performers for personnel costs, by agency: FY 2004–06

(Dollars in thousands)

Agency	Preliminary								
	Total (2004)	Personnel costs (2004)		Total (2005)	Personnel costs (2005)		Total (2006)	Personnel costs (2006)	
		Amount	% of total		Amount	% of total		Amount	% of total
All agencies	22,423,229	8,569,872	38	24,907,943	9,426,217	38	24,251,332	9,255,637	38
Departments									
Department of Agriculture	1,404,746	813,326	58	1,449,894	830,388	57	1,370,651	804,374	59
Agricultural Marketing Service	8,685	2,897	33	8,979	3,565	40	6,554	3,678	56
Agricultural Research Service	991,550	530,678	54	1,001,742	536,133	54	946,978	506,822	54
Animal and Plant Health Inspection Service	18,618	10,840	58	20,449	13,095	64	18,206	11,542	63
Cooperative State Research, Education, and Extension Service	40,276	19,595	49	37,924	21,906	58	35,685	22,764	64
Economic Research Service	64,064	46,634	73	67,697	48,821	72	73,676	50,397	68
Foreign Agricultural Service	879	879	100	879	879	100	879	879	100
Forest Service	267,078	190,000	71	298,078	194,000	65	273,078	195,000	71
Grain Inspection, Packers, and Stockyards Administration	6,730	5,384	80	7,130	5,561	78	8,529	6,823	80
National Agricultural Statistics Service	5,666	5,219	92	5,816	5,228	90	5,866	5,269	90
Rural Business-Cooperative Service	1,200	1,200	100	1,200	1,200	100	1,200	1,200	100
Department of Commerce	645,314	378,138	59	713,616	393,888	55	699,963	395,598	57
Economic Development Administration	25	25	100	25	25	100	0	0	0
National Institute of Standards and Technology	266,414	186,747	70	311,113	203,198	65	329,298	210,075	64
National Oceanic and Atmospheric Administration	344,993	165,856	48	374,116	169,187	45	334,902	159,357	48
National Telecommunications and Information Administration	9,722	9,722	100	6,333	6,333	100	9,213	9,213	100
U.S. Census Bureau	24,160	15,788	65	22,029	15,145	69	26,550	16,953	64
Department of Defense	10,735,814	3,569,753	33	12,438,834	4,219,293	34	11,699,195	3,975,838	34
Defense agencies and activities	2,794,302	702,162	25	3,358,201	907,911	27	3,054,786	901,312	30
Chemical and Biological Defense	288,451	101,370	35	302,637	122,068	40	491,286	222,212	45
Defense Advanced Research Projects Agency	319,665	235,877	74	403,037	314,831	78	417,243	293,615	70
Defense Contract Management Agency	1,037	NA	-	5,915	NA	-	6,103	NA	-
Defense Information Systems Agency	33,695	14,706	44	50,529	15,340	30	56,461	16,460	29
Defense Logistics Agency	72,173	90	*	85,443	90	*	48,522	587	1
Defense Threat Reduction Agency	130,497	13,059	10	106,938	10,695	10	9,847	986	10
Joint Staff	102,329	NA	-	106,393	NA	-	92,385	NA	-
Missile Defense Agency	1,347,629	224,335	17	1,594,247	260,632	16	1,350,427	218,117	16
Special Operations Command	73,001	8,022	11	83,509	9,176	11	57,188	6,284	11
Washington Headquarters Services	425,825	104,701	25	619,553	175,077	28	525,324	143,049	27
Department of the Air Force	1,769,871	400,791	23	1,664,824	452,574	27	1,858,477	381,338	21
Materiel Command	1,460,481	392,266	27	1,434,474	444,177	31	1,620,409	372,961	23

TABLE 92. Federal obligations for research and development to intramural performers for personnel costs, by agency: FY 2004–06

(Dollars in thousands)

Agency	Preliminary								
	Total (2004)	Personnel costs (2004)		Total (2005)	Personnel costs (2005)		Total (2006)	Personnel costs (2006)	
		Amount	% of total		Amount	% of total		Amount	% of total
Space Command	309,390	8,525	3	230,350	8,397	4	238,068	8,377	4
Department of the Army	2,260,199	995,399	44	2,642,498	1,059,031	40	2,087,103	929,464	45
Department of the Navy	3,785,400	1,443,422	38	4,642,506	1,770,744	38	4,622,356	1,746,735	38
Operational Test and Evaluation, Director	126,042	27,979	22	130,805	29,033	22	76,473	16,989	22
Department of Education	15,375	10,153	66	18,952	12,905	68	22,335	14,973	67
Department of Energy	482,963	96,660	20	693,729	94,608	14	754,221	92,535	12
Bonneville Power Administration	24,030	550	2	24,267	550	2	25,097	550	2
Civilian Radioactive Waste Management	4,823	230	5	4,888	244	5	3,410	243	7
Energy Efficiency and Renewable Energy	228,132	33,050	14	218,510	31,656	14	238,418	34,541	14
Environmental Management	2	2	100	2	2	100	2	2	100
Fossil Energy	115,371	62,812	54	114,681	62,142	54	110,145	57,185	52
National Nuclear Security Administration	91,863	7	*	204,013	6	*	320,175	6	*
Defense Programs	91,624	2	*	197,642	2	*	313,804	2	*
Fissile Materials Disposition	1	1	100	0	0	0	0	0	0
Naval Reactors	1	1	100	1	1	100	1	1	100
Nonproliferation and Verification	237	3	1	6,370	3	*	6,370	3	*
Nuclear Energy	2	2	100	2	2	100	2	2	100
Office of Science	18,740	7	*	127,366	6	*	56,972	6	*
Department of Health and Human Services	5,347,492	1,764,144	33	5,463,791	1,796,028	33	5,521,317	1,851,678	34
Administration for Children and Families	992	992	100	1,013	1,013	100	1,034	1,034	100
Administration on Aging	74	74	100	73	73	100	0	0	0
Agency for Healthcare Research and Quality	78,523	33,533	43	82,405	35,961	44	82,405	37,487	45
Agency for Toxic Substances and Disease Registry	3,151	3,151	100	4,053	3,458	85	4,216	3,596	85
Centers for Disease Control and Prevention	190,529	171,476	90	183,060	164,754	90	183,060	164,754	90
Centers for Medicare and Medicaid Services	20	10	50	20	10	50	20	10	50
Food and Drug Administration	99,521	79,617	80	113,109	90,487	80	112,018	89,614	80
Health Resources and Services Administration	2,713	2,492	92	2,733	2,512	92	2,542	2,321	91
National Institutes of Health	4,962,699	1,472,783	30	5,072,764	1,497,744	30	5,131,461	1,552,846	30
Office of the Secretary	9,269	15	*	4,560	15	*	4,560	15	*
Office of the Assistant Secretary, Planning and Evaluation	9,269	15	*	4,560	15	*	4,560	15	*
Substance Abuse and Mental Health Services Administration	1	1	100	1	1	100	1	1	100
Department of Homeland Security	610,760	237,706	39	924,913	346,378	37	929,639	351,190	38
Science and Technology Directorate	464,455	92,646	20	720,000	144,000	20	723,061	144,612	20

TABLE 92. Federal obligations for research and development to intramural performers for personnel costs, by agency: FY 2004–06

(Dollars in thousands)

Agency	Total (2004)	Personnel costs (2004)		Total (2005)	Preliminary Personnel costs (2005)		Total (2006)	Personnel costs (2006)	
		Amount	% of total		Amount	% of total		Amount	% of total
Transportation Security Administration	134,111	134,111	100	190,932	190,932	100	205,650	205,650	100
U.S. Coast Guard	11,307	10,062	89	13,087	10,552	81	0	0	0
U.S. Secret Service	887	887	100	894	894	100	928	928	100
Department of Housing and Urban Development	28,681	20,200	70	29,080	19,400	67	23,050	15,300	66
Department of the Interior	512,356	236,120	46	490,767	237,516	48	474,920	218,601	46
Bureau of Reclamation	3,128	3,128	100	4,243	4,243	100	4,299	4,299	100
Geological Survey	500,531	227,590	45	477,395	227,886	48	462,240	209,098	45
Minerals Management Service	6,303	4,996	79	7,361	5,088	69	7,254	5,014	69
National Park Service ^a	2,394	406	17	1,768	299	17	1,127	190	17
Department of Justice	48,255	5,202	11	49,360	5,309	11	51,317	5,424	11
Bureau of Prisons	2,800	2,573	92	3,000	2,573	86	3,000	2,573	86
Federal Bureau of Investigation	33,952	2,500	7	33,509	2,603	8	34,316	2,710	8
Office of Justice Programs	11,503	129	1	12,851	133	1	14,001	141	1
Department of Labor	183,151	10,977	6	211,603	11,305	5	217,888	11,481	5
Bureau of Labor Statistics	8,400	7,200	86	8,700	7,300	84	8,900	7,400	83
Employee Benefits Security Administration	944	944	100	1,093	1,093	100	1,102	1,093	99
Employment and Training Administration	170,000	2	*	198,000	2	*	204,000	2	*
Occupational Safety and Health Administration	3,361	2,430	72	3,415	2,515	74	3,480	2,580	74
Office of the Secretary	51	6	12	2	2	100	2	2	100
Pension Benefit Guaranty Corporation	395	395	100	393	393	100	404	404	100
Department of State	675	675	100	695	695	100	716	716	100
Department of Transportation	157,871	124,686	79	184,241	122,893	67	200,351	139,533	70
Federal Aviation Administration	83,691	68,028	81	69,619	53,799	77	69,313	53,335	77
Federal Highway Administration	47,041	47,041	100	48,135	48,135	100	64,238	64,238	100
Federal Motor Carrier Safety Administration	1,519	491	32	533	133	25	286	63	22
Federal Railroad Administration	14,635	1,660	11	15,037	1,547	10	15,242	1,983	13
Federal Transit Administration	240	240	100	806	506	63	827	527	64
National Highway Traffic Safety Administration	1,519	876	58	39,124	11,345	29	39,959	11,588	29
Office of the Secretary	5,410	4,183	77	5,094	4,340	85	4,994	4,456	89
Pipeline and Hazardous Materials Safety Administration	3,816	2,167	57	3,831	1,464	38	2,820	1,172	42
Research and Innovative Technology Administration	0	0	0	2,062	1,624	79	2,672	2,171	81
Department of the Treasury	55,118	47,088	85	61,069	48,633	80	61,733	49,488	80
Bureau of Engraving and Printing	4,156	170	4	6,179	176	3	6,080	180	3
Internal Revenue Service	50,003	46,210	92	50,790	47,657	94	51,313	48,468	94
U.S. Mint	959	708	74	4,100	800	20	4,340	840	19

TABLE 92. Federal obligations for research and development to intramural performers for personnel costs, by agency: FY 2004–06
(Dollars in thousands)

Agency	Total (2004)	Personnel costs (2004)		Total (2005)	Personnel costs (2005)		Preliminary		
		Amount	% of total		Amount	% of total	Total (2006)	Personnel costs (2006)	
								Amount	% of total
Department of Veterans Affairs	405,246	206,166	51	402,052	205,047	51	392,710	200,282	51
Other agencies									
Agency for International Development	31,718	20,010	63	30,018	18,510	62	30,018	18,010	60
Appalachian Regional Commission	54	54	100	54	54	100	54	54	100
Broadcasting Board of Governors	1,001	6	1	257	7	3	25	7	28
Environmental Protection Agency	451,481	208,030	46	390,240	208,206	53	387,512	211,588	55
Federal Communications Commission	8,518	8,518	100	7,245	3,987	55	6,571	5,442	83
Federal Trade Commission	1,618	1,053	65	1,597	1,040	65	1,587	1,033	65
Library of Congress	17,981	684	4	9,105	594	7	1,683	611	36
National Aeronautics and Space Administration	1,131,151	722,305	64	1,187,705	758,421	64	1,247,091	796,342	64
National Archives and Records Administration	120	120	100	120	120	100	120	120	100
National Science Foundation	15,673	2	*	15,284	2	*	15,497	2	*
Nuclear Regulatory Commission	15,235	12,268	81	15,743	13,663	87	16,180	13,600	84
Smithsonian Institution	108,000	70,200	65	109,000	70,850	65	115,000	74,750	65
Social Security Administration	6,862	5,628	82	8,979	6,477	72	9,988	7,067	71

* = amount greater than 0 but less than 0.5%.

NA = not available.

^a Obligations for FY 2004–06 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: Because of rounding, detail may not add to total. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 93. Federal obligations for basic research to intramural performers for personnel costs, by agency: FY 2004–06

(Dollars in thousands)

Agency	Preliminary								
	Total (2004)	Personnel costs (2004)		Total (2005)	Personnel costs (2005)		Total (2006)	Personnel costs (2006)	
		Amount	% of total		Amount	% of total		Amount	% of total
All agencies	4,671,644	1,851,974	40	4,923,012	1,899,295	39	4,915,137	1,942,609	40
Departments									
Department of Agriculture	626,821	353,108	56	643,984	358,735	56	606,600	345,349	57
Agricultural Research Service	485,859	260,032	54	490,852	262,704	54	464,018	248,342	54
Cooperative State Research, Education, and Extension Service	18,757	8,720	46	17,753	9,748	55	16,812	10,130	60
Economic Research Service	7,083	4,663	66	7,417	4,882	66	8,075	5,038	62
Foreign Agricultural Service	246	246	100	246	246	100	246	246	100
Forest Service	113,056	77,900	69	125,766	79,540	63	115,516	79,950	69
National Agricultural Statistics Service	1,820	1,547	85	1,950	1,615	83	1,933	1,643	85
Department of Commerce	44,146	28,921	66	57,046	29,241	51	69,444	31,590	45
National Institute of Standards and Technology	43,253	28,375	66	56,268	28,697	51	68,383	30,792	45
U.S. Census Bureau	893	546	61	778	544	70	1,061	798	75
Department of Defense	460,567	203,825	44	483,715	208,850	43	507,657	196,621	39
Defense agencies and activities	47,615	16,619	35	48,826	18,526	38	89,591	31,744	35
Chemical and Biological Defense	36,692	8,484	23	34,786	7,789	22	78,128	23,617	30
Defense Advanced Research Projects Agency	10,319	7,739	75	12,940	10,325	80	11,278	7,942	70
Washington Headquarters Services	604	396	66	1,100	412	37	185	185	100
Department of the Air Force	54,801	25,313	46	65,579	24,275	37	70,265	NA	-
Materiel Command	54,801	25,313	46	65,579	24,275	37	70,265	NA	-
Department of the Army	211,006	97,267	46	216,385	98,884	46	204,123	101,773	50
Department of the Navy	147,145	64,626	44	152,925	67,165	44	143,678	63,103	44
Department of Education	431	284	66	704	479	68	869	582	67
Department of Energy	31,025	1,396	4	140,194	1,410	1	69,523	1,346	2
Bonneville Power Administration	3,393	50	1	3,512	50	1	3,652	50	1
Energy Efficiency and Renewable Energy	8,832	1,279	14	8,928	1,293	14	8,516	1,234	14
Fossil Energy	60	60	100	60	60	100	55	55	100
National Nuclear Security Administration	1	1	100	328	1	*	328	1	*
Nonproliferation and Verification	1	1	100	328	1	*	328	1	*
Office of Science	18,739	6	*	127,366	6	*	56,972	6	*
Department of Health and Human Services	2,726,879	810,702	30	2,790,760	824,414	30	2,813,561	854,463	30
Health Resources and Services Administration	2,054	2,054	100	2,061	2,061	100	1,856	1,856	100
National Institutes of Health	2,724,825	808,648	30	2,788,699	822,353	29	2,811,705	852,607	30

TABLE 93. Federal obligations for basic research to intramural performers for personnel costs, by agency: FY 2004–06

(Dollars in thousands)

Agency	Preliminary								
	Total (2004)	Personnel costs (2004)		Total (2005)	Personnel costs (2005)		Total (2006)	Personnel costs (2006)	
		Amount	% of total		Amount	% of total		Amount	% of total
Department of Homeland Security	129,872	90,049	69	180,304	118,407	66	209,499	147,338	70
Science and Technology Directorate	49,779	9,956	20	77,371	15,474	20	77,701	15,540	20
Transportation Security Administration	80,093	80,093	100	102,933	102,933	100	131,798	131,798	100
Department of the Interior	34,024	23,795	70	32,251	23,117	72	26,728	19,528	73
Geological Survey	34,024	23,795	70	32,251	23,117	72	26,728	19,528	73
Department of Justice	1	1	100	1	1	100	1	1	100
Office of Justice Programs	1	1	100	1	1	100	1	1	100
Department of Labor	700	500	71	800	600	75	1,000	600	60
Bureau of Labor Statistics	700	500	71	800	600	75	1,000	600	60
Department of Transportation	4,615	4,615	100	4,130	4,130	100	4,239	4,239	100
Federal Highway Administration	4,615	4,615	100	4,130	4,130	100	4,239	4,239	100
Department of the Treasury	82	34	41	232	35	15	236	36	15
Bureau of Engraving and Printing	82	34	41	232	35	15	236	36	15
Department of Veterans Affairs	174,678	89,086	51	173,301	88,384	51	169,274	86,330	51
Other agencies									
Agency for International Development	18	10	56	18	10	56	18	10	56
Environmental Protection Agency	77,691	35,798	46	45,148	24,088	53	47,535	25,955	55
Library of Congress	2,000	84	4	0	0	0	0	0	0
National Aeronautics and Space Administration	234,549	139,565	60	246,275	146,543	60	258,590	153,870	60
National Science Foundation	15,545	1	*	15,149	1	*	15,363	1	*
Smithsonian Institution	108,000	70,200	65	109,000	70,850	65	115,000	74,750	65

* = amount greater than 0 but less than 0.5%.

NA = not available.

NOTES: Because of rounding, detail may not add to total. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 94. Federal obligations for applied research to intramural performers for personnel costs, by agency: FY 2004–06

(Dollars in thousands)

Agency	Preliminary								
	Total (2004)	Personnel costs (2004)		Total (2005)	Personnel costs (2005)		Total (2006)	Personnel costs (2006)	
		Amount	% of total		Amount	% of total		Amount	% of total
All agencies	7,413,569	3,512,360	47	7,887,423	3,725,696	47	7,819,073	3,700,828	47
Departments									
Department of Agriculture	610,963	363,913	60	631,307	371,658	59	599,337	362,099	60
Agricultural Marketing Service	7,667	2,484	32	7,910	3,000	38	5,554	3,100	56
Agricultural Research Service	406,535	217,578	54	410,715	219,815	54	388,261	207,797	54
Cooperative State Research, Education, and Extension Service	21,519	10,875	51	20,171	12,158	60	18,873	12,634	67
Economic Research Service	56,981	41,971	74	60,280	43,939	73	65,601	45,359	69
Foreign Agricultural Service	633	633	100	633	633	100	633	633	100
Forest Service	112,582	85,500	76	126,532	87,300	69	115,282	87,750	76
National Agricultural Statistics Service	3,846	3,672	95	3,866	3,613	93	3,933	3,626	92
Rural Business-Cooperative Service	1,200	1,200	100	1,200	1,200	100	1,200	1,200	100
Department of Commerce	530,521	306,861	58	585,280	324,147	55	563,440	325,959	58
Economic Development Administration	25	25	100	25	25	100	0	0	0
National Institute of Standards and Technology	215,354	152,499	71	242,273	167,862	69	254,807	176,136	69
National Oceanic and Atmospheric Administration	307,907	147,449	48	335,871	149,383	44	298,359	139,812	47
National Telecommunications and Information Administration	6,342	6,342	100	6,333	6,333	100	9,213	9,213	100
U.S. Census Bureau	893	546	61	778	544	70	1,061	798	75
Department of Defense	1,453,765	759,290	52	1,613,138	871,367	54	1,411,817	814,660	58
Defense agencies and activities	368,826	142,515	39	353,162	164,509	47	370,736	189,251	51
Chemical and Biological Defense	145,219	42,657	29	123,711	37,439	30	186,464	74,405	40
Defense Advanced Research Projects Agency	115,458	86,594	75	144,061	114,942	80	161,189	113,513	70
Defense Logistics Agency	7,928	NA	-	6,048	NA	-	6,553	NA	-
Defense Threat Reduction Agency	87,990	8,799	10	62,914	6,292	10	5,792	580	10
Special Operations Command	2,002	220	11	3,572	392	11	2,141	235	11
Washington Headquarters Services	10,229	4,244	41	12,856	5,443	42	8,597	517	6
Department of the Air Force	428,475	244,588	57	441,840	260,807	59	432,710	253,344	59
Materiel Command	428,475	244,588	57	441,840	260,807	59	432,710	253,344	59
Department of the Army	458,154	257,227	56	563,277	298,309	53	428,603	267,853	62
Department of the Navy	198,310	114,960	58	254,859	147,742	58	179,768	104,212	58
Department of Education	10,253	6,772	66	11,976	8,154	68	14,918	10,002	67

TABLE 94. Federal obligations for applied research to intramural performers for personnel costs, by agency: FY 2004–06

(Dollars in thousands)

Agency	Preliminary								
	Total (2004)	Personnel costs (2004)		Total (2005)	Personnel costs (2005)		Total (2006)	Personnel costs (2006)	
		Amount	% of total		Amount	% of total		Amount	% of total
Department of Energy	220,222	31,918	14	320,012	31,867	10	455,512	31,471	7
Bonneville Power Administration	11,807	300	3	12,059	300	2	12,525	300	2
Civilian Radioactive Waste Management	4,823	230	5	4,888	244	5	3,410	243	7
Energy Efficiency and Renewable Energy	95,455	13,829	14	97,829	14,173	14	103,045	14,929	14
Environmental Management	1	1	100	1	1	100	1	1	100
Fossil Energy	32,214	17,554	54	31,651	17,146	54	30,420	15,995	53
National Nuclear Security Administration	75,920	2	*	173,583	2	*	306,110	2	*
Defense Programs	75,754	1	*	168,366	1	*	300,893	1	*
Nonproliferation and Verification	166	1	1	5,217	1	*	5,217	1	*
Nuclear Energy	1	1	100	1	1	100	1	1	100
Office of Science	1	1	100	0	0	0	0	0	0
Department of Health and Human Services	2,596,316	929,145	36	2,647,533	946,116	36	2,682,258	971,717	36
Administration for Children and Families	992	992	100	1,013	1,013	100	1,034	1,034	100
Administration on Aging	74	74	100	73	73	100	0	0	0
Agency for Healthcare Research and Quality	54,228	9,238	17	56,909	10,465	18	56,909	11,991	21
Agency for Toxic Substances and Disease Registry	3,151	3,151	100	4,053	3,458	85	4,216	3,596	85
Centers for Disease Control and Prevention	190,529	171,476	90	183,060	164,754	90	183,060	164,754	90
Centers for Medicare and Medicaid Services	20	10	50	20	10	50	20	10	50
Food and Drug Administration	99,521	79,617	80	113,109	90,487	80	112,018	89,614	80
Health Resources and Services Administration	658	437	66	671	450	67	685	464	68
National Institutes of Health	2,237,874	664,135	30	2,284,065	675,391	30	2,319,756	700,239	30
Office of the Secretary	9,269	15	*	4,560	15	*	4,560	15	*
Office of the Assistant Secretary, Planning and Evaluation	9,269	15	*	4,560	15	*	4,560	15	*
Department of Homeland Security	160,618	67,150	42	240,326	94,188	39	219,495	73,923	34
Science and Technology Directorate	116,575	23,315	20	181,194	36,239	20	181,965	36,393	20
Transportation Security Administration	39,007	39,007	100	52,828	52,828	100	36,602	36,602	100
U.S. Coast Guard	4,149	3,941	95	5,410	4,227	78	0	0	0
U.S. Secret Service	887	887	100	894	894	100	928	928	100
Department of Housing and Urban Development	10,370	7,200	69	10,580	6,800	64	8,637	5,500	64
Department of the Interior	432,736	195,031	45	418,600	192,031	46	396,920	178,600	45
Bureau of Reclamation	1,095	1,095	100	1,485	1,485	100	1,505	1,505	100
Geological Survey	423,397	188,567	45	408,314	185,183	45	387,255	171,907	44
Minerals Management Service	6,303	4,996	79	7,361	5,088	69	7,254	5,014	69
National Park Service ^a	1,941	373	19	1,440	275	19	906	174	19

TABLE 94. Federal obligations for applied research to intramural performers for personnel costs, by agency: FY 2004–06

(Dollars in thousands)

Agency	Preliminary								
	Total (2004)	Personnel costs (2004)		Total (2005)	Personnel costs (2005)		Total (2006)	Personnel costs (2006)	
		Amount	% of total		Amount	% of total		Amount	% of total
Department of Justice	7,139	2,583	36	7,900	2,585	33	7,900	2,591	33
Bureau of Prisons	2,700	2,523	93	2,900	2,523	87	2,900	2,523	87
Office of Justice Programs	4,439	60	1	5,000	62	1	5,000	68	1
Department of Labor	21,126	10,151	48	20,482	10,383	51	21,558	10,550	49
Bureau of Labor Statistics	7,700	6,700	87	7,900	6,700	85	7,900	6,800	86
Employee Benefits Security Administration	944	944	100	1,093	1,093	100	1,102	1,093	99
Employment and Training Administration	9,000	1	*	8,000	1	*	9,000	1	*
Occupational Safety and Health Administration	3,361	2,430	72	3,415	2,515	74	3,480	2,580	74
Office of the Secretary	50	5	10	1	1	100	1	1	100
Pension Benefit Guaranty Corporation	71	71	100	73	73	100	75	75	100
Department of State	675	675	100	695	695	100	716	716	100
Department of Transportation	95,770	64,835	68	134,735	75,292	56	147,111	88,392	60
Federal Aviation Administration	52,023	36,360	70	56,239	40,419	72	55,732	39,754	71
Federal Highway Administration	24,612	24,612	100	20,795	20,795	100	33,448	33,448	100
Federal Motor Carrier Safety Administration	1,519	491	32	533	133	25	286	63	22
Federal Railroad Administration	14,177	1,610	11	14,712	1,514	10	14,917	1,941	13
Federal Transit Administration	40	40	100	300	45	15	300	131	44
National Highway Traffic Safety Administration	1,519	876	58	39,124	11,345	29	39,959	11,588	29
Pipeline and Hazardous Materials Safety Administration	1,880	846	45	2,369	654	28	1,235	464	38
Research and Innovative Technology Administration	0	0	0	663	387	58	1,234	1,003	81
Department of the Treasury	53,872	46,261	86	56,157	47,710	85	56,567	48,522	86
Bureau of Engraving and Printing	3,869	51	1	5,367	53	1	5,254	54	1
Internal Revenue Service	50,003	46,210	92	50,790	47,657	94	51,313	48,468	94
Department of Veterans Affairs	209,231	106,198	51	207,582	105,867	51	202,759	103,407	51
Other agencies									
Agency for International Development	29,600	18,000	61	28,000	17,000	61	28,000	17,000	61
Appalachian Regional Commission	54	54	100	54	54	100	54	54	100
Broadcasting Board of Governors	1,001	6	1	257	7	3	25	7	28
Environmental Protection Agency	288,460	132,914	46	248,998	132,849	53	262,911	143,554	55
Federal Communications Commission	4,141	4,141	100	4,720	3,554	75	6,098	4,969	81
Federal Trade Commission	1,618	1,053	65	1,597	1,040	65	1,587	1,033	65
Library of Congress	14,400	141	1	2,226	17	1	1,226	157	13
National Aeronautics and Space Administration	638,373	440,051	69	670,291	462,054	69	703,805	485,157	69
National Archives and Records Administration	120	120	100	120	120	100	120	120	100

TABLE 94. Federal obligations for applied research to intramural performers for personnel costs, by agency: FY 2004–06

(Dollars in thousands)

Agency	Preliminary								
	Total (2004)	Personnel costs (2004)		Total (2005)	Personnel costs (2005)		Total (2006)	Personnel costs (2006)	
		Amount	% of total		Amount	% of total		Amount	% of total
National Science Foundation	128	1	1	135	1	1	134	1	1
Nuclear Regulatory Commission	15,235	12,268	81	15,743	13,663	87	16,180	13,600	84
Social Security Administration	6,862	5,628	82	8,979	6,477	72	9,988	7,067	71

* = amount greater than 0 but less than 0.5%.

NA = not available.

^a Obligations for FY 2004–06 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: Because of rounding, detail may not add to total. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 95. Federal obligations for development to intramural performers for personnel costs, by agency: FY 2004–06

(Dollars in thousands)

Agency	Preliminary								
	Total (2004)	Personnel costs (2004)		Total (2005)	Personnel costs (2005)		Total (2006)	Personnel costs (2006)	
		Amount	% of total		Amount	% of total		Amount	% of total
All agencies	10,338,016	3,205,538	31	12,097,508	3,801,226	31	11,517,122	3,612,200	31
Departments									
Department of Agriculture	166,962	96,305	58	174,603	99,995	57	164,714	96,926	59
Agricultural Marketing Service	1,018	413	41	1,069	565	53	1,000	578	58
Agricultural Research Service	99,156	53,068	54	100,175	53,614	54	94,699	50,683	54
Animal and Plant Health Inspection Service	18,618	10,840	58	20,449	13,095	64	18,206	11,542	63
Forest Service	41,440	26,600	64	45,780	27,160	59	42,280	27,300	65
Grain Inspection, Packers, and Stockyards Administration	6,730	5,384	80	7,130	5,561	78	8,529	6,823	80
Department of Commerce	70,647	42,356	60	71,290	40,500	57	67,079	38,049	57
National Institute of Standards and Technology	7,807	5,873	75	12,572	6,639	53	6,108	3,147	52
National Oceanic and Atmospheric Administration	37,086	18,407	50	38,245	19,804	52	36,543	19,545	53
National Telecommunications and Information Administration	3,380	3,380	100	0	0	0	0	0	0
U.S. Census Bureau	22,374	14,696	66	20,473	14,057	69	24,428	15,357	63
Department of Defense	8,821,482	2,606,638	30	10,341,981	3,139,076	30	9,779,721	2,964,557	30
Defense agencies and activities	2,377,861	543,028	23	2,956,213	724,876	25	2,594,459	680,317	26
Chemical and Biological Defense	106,540	50,229	47	144,140	76,840	53	226,694	124,190	55
Defense Advanced Research Projects Agency	193,888	141,544	73	246,036	189,564	77	244,776	172,160	70
Defense Contract Management Agency	1,037	NA	-	5,915	NA	-	6,103	NA	-
Defense Information Systems Agency	33,695	14,706	44	50,529	15,340	30	56,461	16,460	29
Defense Logistics Agency	64,245	89	*	79,395	89	*	41,969	586	1
Defense Threat Reduction Agency	42,507	4,260	10	44,024	4,403	10	4,055	406	10
Joint Staff	102,329	NA	-	106,393	NA	-	92,385	NA	-
Missile Defense Agency	1,347,629	224,335	17	1,594,247	260,632	16	1,350,427	218,117	16
Special Operations Command	70,999	7,802	11	79,937	8,784	11	55,047	6,049	11
Washington Headquarters Services	414,992	100,061	24	605,597	169,222	28	516,542	142,347	28
Department of the Air Force	1,286,595	130,890	10	1,157,405	167,492	14	1,355,502	127,993	9
Materiel Command	977,205	122,365	13	927,055	159,095	17	1,117,434	119,616	11
Space Command	309,390	8,525	3	230,350	8,397	4	238,068	8,377	4
Department of the Army	1,591,039	640,905	40	1,862,836	661,838	36	1,454,377	559,838	38
Department of the Navy	3,439,945	1,263,836	37	4,234,722	1,555,837	37	4,298,910	1,579,420	37
Operational Test and Evaluation, Director	126,042	27,979	22	130,805	29,033	22	76,473	16,989	22

TABLE 95. Federal obligations for development to intramural performers for personnel costs, by agency: FY 2004–06

(Dollars in thousands)

Agency	Preliminary								
	Total (2004)	Personnel costs (2004)		Total (2005)	Personnel costs (2005)		Total (2006)	Personnel costs (2006)	
		Amount	% of total		Amount	% of total		Amount	% of total
Department of Defense advanced technology	1,477,742	549,360	37	1,765,102	655,252	37	1,362,484	553,424	41
Defense agencies and activities	612,591	210,028	34	819,879	315,214	38	750,894	328,653	44
Chemical and Biological Defense	68,493	28,463	42	111,587	57,196	51	198,578	110,047	55
Defense Advanced Research Projects Agency	156,123	117,092	75	208,832	166,621	80	207,337	146,012	70
Defense Logistics Agency	42,265	24	*	57,330	24	*	27,766	522	2
Defense Threat Reduction Agency	42,457	4,255	10	43,024	4,303	10	4,005	401	10
Missile Defense Agency	33,221	10,497	32	31,660	9,021	28	22,836	1,336	6
Special Operations Command	11,416	1,254	11	16,594	1,823	11	13,949	1,533	11
Washington Headquarters Services	258,616	48,443	19	350,852	76,226	22	276,423	68,802	25
Department of the Air Force	226,469	61,599	27	171,035	59,363	35	174,448	42,240	24
Materiel Command	226,469	61,599	27	171,035	59,363	35	174,448	42,240	24
Department of the Army	367,302	178,567	49	491,583	177,479	36	235,560	108,499	46
Department of the Navy	267,825	98,399	37	278,430	102,295	37	201,385	73,989	37
Operational Test and Evaluation, Director	3,555	767	22	4,175	901	22	197	43	22
Department of Defense major systems	7,343,740	2,057,278	28	8,576,879	2,483,824	29	8,417,237	2,411,133	29
Defense agencies and activities	1,765,270	333,000	19	2,136,334	409,662	19	1,843,565	351,664	19
Chemical and Biological Defense	38,047	21,766	57	32,553	19,644	60	28,116	14,143	50
Defense Advanced Research Projects Agency	37,765	24,452	65	37,204	22,943	62	37,439	26,148	70
Defense Contract Management Agency	1,037	1	*	5,915	1	*	6,103	1	*
Defense Information Systems Agency	33,695	14,706	44	50,529	15,340	30	56,461	16,460	29
Defense Logistics Agency	21,980	65	*	22,065	65	*	14,203	64	*
Defense Threat Reduction Agency	50	5	10	1,000	100	10	50	5	10
Joint Staff	102,329	1	*	106,393	1	*	92,385	1	*
Missile Defense Agency	1,314,408	213,838	16	1,562,587	251,611	16	1,327,591	216,781	16
Special Operations Command	59,583	6,548	11	63,343	6,961	11	41,098	4,516	11
Washington Headquarters Services	156,376	51,618	33	254,745	92,996	37	240,119	73,545	31
Department of the Air Force	1,060,126	69,291	7	986,370	108,129	11	1,181,054	85,753	7
Materiel Command	750,736	60,766	8	756,020	99,732	13	942,986	77,376	8
Space Command	309,390	8,525	3	230,350	8,397	4	238,068	8,377	4
Department of the Army	1,223,737	462,338	38	1,371,253	484,359	35	1,218,817	451,339	37
Department of the Navy	3,172,120	1,165,437	37	3,956,292	1,453,542	37	4,097,525	1,505,431	37
Operational Test and Evaluation, Director	122,487	27,212	22	126,630	28,132	22	76,276	16,946	22
Department of Education	4,691	3,097	66	6,272	4,272	68	6,548	4,389	67

TABLE 95. Federal obligations for development to intramural performers for personnel costs, by agency: FY 2004–06

(Dollars in thousands)

Agency	Preliminary								
	Total (2004)	Personnel costs (2004)		Total (2005)	Personnel costs (2005)		Total (2006)	Personnel costs (2006)	
		Amount	% of total		Amount	% of total		Amount	% of total
Department of Energy	231,716	63,346	27	233,523	61,331	26	229,186	59,718	26
Bonneville Power Administration	8,830	200	2	8,696	200	2	8,920	200	2
Energy Efficiency and Renewable Energy	123,845	17,942	14	111,753	16,190	14	126,857	18,378	14
Environmental Management	1	1	100	1	1	100	1	1	100
Fossil Energy	83,097	45,198	54	82,970	44,936	54	79,670	41,135	52
National Nuclear Security Administration	15,942	4	*	30,102	3	*	13,737	3	*
Defense Programs	15,870	1	*	29,276	1	*	12,911	1	*
Fissile Materials Disposition	1	1	100	0	0	0	0	0	0
Naval Reactors	1	1	100	1	1	100	1	1	100
Nonproliferation and Verification	70	1	1	825	1	*	825	1	*
Nuclear Energy	1	1	100	1	1	100	1	1	100
Department of Health and Human Services	24,297	24,297	100	25,498	25,498	100	25,498	25,498	100
Agency for Healthcare Research and Quality	24,295	24,295	100	25,496	25,496	100	25,496	25,496	100
Health Resources and Services Administration	1	1	100	1	1	100	1	1	100
Substance Abuse and Mental Health Services Administration	1	1	100	1	1	100	1	1	100
Department of Homeland Security	320,270	80,507	25	504,283	133,783	27	500,645	129,929	26
Science and Technology Directorate	298,101	59,375	20	461,435	92,287	20	463,395	92,679	20
Transportation Security Administration	15,011	15,011	100	35,171	35,171	100	37,250	37,250	100
U.S. Coast Guard	7,158	6,121	86	7,677	6,325	82	0	0	0
Department of Housing and Urban Development	18,311	13,000	71	18,500	12,600	68	14,413	9,800	68
Department of the Interior	45,596	17,294	38	39,916	22,368	56	51,272	20,473	40
Bureau of Reclamation	2,033	2,033	100	2,758	2,758	100	2,794	2,794	100
Geological Survey	43,110	15,228	35	36,830	19,586	53	48,257	17,663	37
National Park Service ^a	453	33	7	328	24	7	221	16	7
Department of Justice	41,115	2,618	6	41,459	2,723	7	43,416	2,832	7
Bureau of Prisons	100	50	50	100	50	50	100	50	50
Federal Bureau of Investigation	33,952	2,500	7	33,509	2,603	8	34,316	2,710	8
Office of Justice Programs	7,063	68	1	7,850	70	1	9,000	72	1
Department of Labor	161,325	326	*	190,321	322	*	195,330	331	*
Employment and Training Administration	161,000	1	*	190,000	1	*	195,000	1	*
Office of the Secretary	1	1	100	1	1	100	1	1	100
Pension Benefit Guaranty Corporation	324	324	100	320	320	100	329	329	100

TABLE 95. Federal obligations for development to intramural performers for personnel costs, by agency: FY 2004–06

(Dollars in thousands)

Agency	Preliminary								
	Total (2004)	Personnel costs (2004)		Total (2005)	Personnel costs (2005)		Total (2006)	Personnel costs (2006)	
		Amount	% of total		Amount	% of total		Amount	% of total
Department of Transportation	57,486	55,236	96	45,376	43,471	96	49,001	46,902	96
Federal Aviation Administration	31,668	31,668	100	13,380	13,380	100	13,581	13,581	100
Federal Highway Administration	17,814	17,814	100	23,210	23,210	100	26,551	26,551	100
Federal Railroad Administration	458	50	11	325	33	10	325	42	13
Federal Transit Administration	200	200	100	506	461	91	527	396	75
Office of the Secretary	5,410	4,183	77	5,094	4,340	85	4,994	4,456	89
Pipeline and Hazardous Materials Safety Administration	1,936	1,321	68	1,462	810	55	1,585	708	45
Research and Innovative Technology Administration	0	0	0	1,399	1,237	88	1,438	1,168	81
Department of the Treasury	1,164	793	68	4,680	888	19	4,930	930	19
Bureau of Engraving and Printing	205	85	41	580	88	15	590	90	15
U.S. Mint	959	708	74	4,100	800	20	4,340	840	19
Department of Veterans Affairs	21,337	10,882	51	21,169	10,796	51	20,677	10,545	51
Other agencies									
Agency for International Development	2,100	2,000	95	2,000	1,500	75	2,000	1,000	50
Environmental Protection Agency	85,330	39,318	46	96,094	51,269	53	77,066	42,079	55
Federal Communications Commission	4,377	4,377	100	2,525	433	17	473	473	100
Library of Congress	1,581	459	29	6,879	577	8	457	454	99
National Aeronautics and Space Administration	258,229	142,689	55	271,139	149,824	55	284,696	157,315	55

* = amount greater than 0 but less than 0.5%.

NA = not available.

^a Obligations for FY 2004–06 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: Because of rounding, detail may not add to total. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 96. Federal outlays for research, development, and R&D plant, by agency: FY 1985-95

(Dollars in millions)

Agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
All agencies	45,860.3	52,090.3	53,214.2	56,556.6	61,476.4	64,151.1	63,676.4	65,719.0	68,385.8	68,328.3	68,694.4
Departments											
Department of Agriculture	923.2	953.0	994.0	1,049.7	1,129.8	1,196.7	1,269.4	1,382.8	1,453.4	1,486.9	1,504.3
Agricultural Cooperative Service	2.9	2.6	2.8	2.7	2.8	2.7	2.8	3.4	2.9	3.7	na
Agricultural Marketing Service	1.3	1.7	1.4	1.6	1.5	2.7	3.7	4.3	4.7	4.6	5.0
Agricultural Research Service	492.9	500.5	526.5	540.4	579.7	603.4	622.9	686.5	732.6	735.3	758.4
Animal and Plant Health Inspection Service	0.0	4.2	4.9	6.2	7.7	14.0	15.7	16.7	17.1	19.2	19.1
Cooperative State Research, Education, and Extension Service	243.6	256.5	274.1	294.8	336.9	361.9	395.6	415.1	433.2	456.9	463.9
Economic Research Service	45.1	46.0	43.2	47.2	50.0	50.7	53.0	57.5	61.5	57.3	52.0
Foreign Agricultural Service	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.9
Forest Service	113.8	113.5	120.7	138.0	136.4	144.5	159.8	182.0	185.8	195.7	197.8
Grain Inspection, Packers, and Stockyards Administration	0.9	1.0	1.2	1.0	1.1	0.6	0.7	1.8	1.8	1.8	1.5
Human Nutrition Information Service	7.2	10.6	9.6	8.2	8.4	9.0	8.9	9.7	7.3	5.3	na
National Agricultural Statistics Service	8.4	8.0	3.5	3.6	2.8	2.7	3.2	3.5	3.9	3.6	4.2
Office of International Cooperation and Development	5.8	7.5	5.1	5.0	2.5	4.3	3.1	2.4	2.6	0.0	na
Office of Transportation	1.3	1.0	1.0	1.1	na	na	na	na	na	na	na
Rural Business-Cooperative Service	na	na	na	na	na	na	na	na	na	2.4	1.6
Department of Commerce	377.8	380.1	311.1	389.4	403.2	441.5	500.7	643.4	652.0	810.3	886.4
Economic Development Administration	7.8	7.8	7.2	2.7	1.3	1.5	1.0	1.1	0.7	0.3	1.0
National Institute of Standards and Technology	106.5	109.2	102.1	111.4	121.5	120.3	144.1	160.6	189.8	237.8	350.4
National Oceanic and Atmospheric Administration	249.1	248.7	189.2	263.5	269.1	306.7	345.3	472.2	452.4	562.9	523.6
National Telecommunications and Information Administration	9.0	8.5	7.8	6.1	6.2	6.2	3.6	4.0	4.2	3.9	6.4
Office of the Secretary	0.6	1.2	0.3	0.1	0.1	*	*	*	*	*	*
U.S. Census Bureau	4.8	4.6	4.5	5.6	5.0	6.7	6.6	5.5	5.0	5.4	5.1
Department of Defense	27,143.7	32,491.1	33,611.8	34,573.0	36,869.1	37,140.0	33,447.2	34,631.7	34,525.9	35,179.2	34,001.9
Defense agencies and activities	2,290.0	4,068.2	4,995.8	5,690.3	6,501.3	6,853.6	6,685.3	7,450.3	6,689.7	8,125.3	7,112.1
Department of the Air Force	12,263.7	14,133.1	14,101.0	14,774.5	15,390.5	14,888.1	13,043.8	12,532.3	12,287.9	12,799.2	12,051.8
Department of the Army	4,230.0	4,278.5	5,009.7	4,899.6	5,241.3	5,797.1	5,724.5	6,295.2	6,125.3	5,797.8	5,137.3
Department of the Navy	8,304.9	9,939.8	9,422.1	9,081.9	9,559.5	9,453.5	7,902.0	8,115.0	9,187.5	8,213.3	9,454.1
Operational Test and Evaluation, Director	na	0.0	4.4	7.2	31.6	32.0	22.3	9.4	12.3	11.9	12.4
Test and Evaluation, Deputy Under Secretary of Defense	55.1	71.6	78.8	119.6	145.0	115.8	69.4	229.4	223.2	231.8	234.3

TABLE 96. Federal outlays for research, development, and R&D plant, by agency: FY 1985-95

(Dollars in millions)

Agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Department of Education	95.7	125.3	138.3	142.9	155.7	150.7	117.2	135.5	186.7	179.2	180.6
Department of Energy	5,803.0	5,381.7	5,432.7	5,743.7	6,039.0	6,365.3	6,827.1	7,232.7	7,668.3	6,896.5	7,016.3
Department of Health and Human Services	5,049.6	5,531.4	5,751.0	6,923.2	7,773.4	8,363.8	9,822.1	9,091.5	10,475.2	10,352.5	11,245.2
Administration for Children and Families	na	na	na	na	na	na	110.2	35.1	19.3	11.3	12.0
Administration on Aging	na	na	na	na	na	na	20.6	20.2	20.9	19.1	20.7
Agency for Healthcare Research and Quality	na	na	na	na	na	5.3	11.9	113.5	87.6	111.0	133.0
Alcohol, Drug Abuse, and Mental Health Administration	349.8	396.6	476.1	554.8	695.7	842.7	1,460.6	na	na	na	na
Centers for Disease Control and Prevention	47.6	52.7	66.2	88.7	117.8	95.6	113.4	146.9	162.5	206.8	317.4
Centers for Medicare and Medicaid Services	33.5	28.1	36.1	31.4	32.5	14.4	21.7	63.9	69.5	72.3	72.9
Food and Drug Administration	96.2	89.1	85.6	91.3	96.0	95.0	143.5	150.0	174.2	160.5	147.9
Health Resources and Services Administration	16.0	13.0	9.2	10.0	10.5	11.9	11.0	10.5	11.0	17.8	14.4
Human Development Services	21.4	52.0	51.1	50.9	73.3	76.7	na	na	na	na	na
National Institutes of Health	4,446.3	4,867.2	4,985.2	6,060.2	6,699.0	7,181.1	7,890.4	8,491.4	9,893.3	9,725.7	10,511.5
Office of the Assistant Secretary for Health	15.8	21.6	23.5	20.0	26.0	22.3	18.2	21.7	15.8	0.7	0.6
Office of the Secretary	9.6	6.1	8.2	4.7	7.8	5.0	8.8	5.0	5.2	5.0	3.5
Social Security Administration	13.3	5.0	9.8	11.1	14.8	13.9	11.9	33.4	15.9	22.2	11.3
Department of Housing and Urban Development	18.6	13.9	19.7	14.9	20.7	21.7	18.1	23.5	28.4	28.5	38.0
Department of the Interior	417.0	445.4	394.7	419.6	485.3	503.0	556.2	628.4	651.8	644.9	558.8
Bureau of Land Management	4.4	3.4	3.6	3.7	3.0	2.8	8.8	6.3	8.9	0.0	0.0
Bureau of Mines	100.4	131.0	91.2	87.6	92.6	96.7	97.7	113.9	111.8	107.9	0.0
Bureau of Reclamation	10.5	12.0	10.6	4.4	4.2	5.8	8.7	12.2	9.6	7.4	8.0
Geological Survey	230.8	226.5	211.2	238.6	300.9	301.3	319.5	370.3	385.2	375.5	359.3
Minerals Management Service	1.5	1.1	1.0	1.2	1.9	2.0	2.7	4.1	6.1	19.5	20.8
National Biological Service	na	na	na	na	na	na	na	na	0.0	110.3	151.0
National Park Service	15.0	17.3	18.5	19.4	19.4	20.1	27.5	31.1	38.1	24.2	19.7
Office of Surface Mining Reclamation and Enforcement	2.0	2.3	1.0	1.0	0.7	0.8	1.0	0.3	0.4	0.0	0.0
Office of the Secretary	0.3	0.6	2.0	0.4	0.4	0.2	0.6	0.9	0.4	0.1	*
U.S. Fish and Wildlife Service	52.1	51.2	55.7	63.3	62.2	73.3	89.7	89.3	91.3	0.0	0.0
Department of Justice	32.7	32.1	39.0	48.1	36.0	38.2	40.4	42.9	46.2	42.0	49.0
Bureau of Prisons	1.5	3.0	6.9	6.0	3.8	3.2	5.7	5.9	6.1	5.4	5.7
Drug Enforcement Administration	1.6	2.5	2.2	2.5	2.7	2.4	2.8	1.5	1.1	1.7	0.4
Federal Bureau of Investigation	8.9	6.9	6.9	12.7	6.5	8.2	10.8	10.9	11.3	7.0	10.9
Immigration and Naturalization Service	0.4	0.4	0.4	5.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Office of Justice Programs	20.1	19.2	22.4	21.6	22.5	24.0	20.7	24.1	27.2	27.6	31.5
Office of Legal Policy	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 96. Federal outlays for research, development, and R&D plant, by agency: FY 1985-95

(Dollars in millions)

Agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Department of Labor	13.7	10.9	20.3	31.8	28.9	45.2	45.6	70.8	57.8	60.7	51.7
Bureau of Labor Statistics	0.6	0.6	6.5	7.0	7.0	7.3	7.5	7.6	6.9	7.1	13.1
Employee Benefits Security Administration	1.1	0.9	1.0	2.6	1.3	2.1	2.5	2.6	2.6	2.7	3.6
Employment and Training Administration	4.5	3.4	4.4	11.2	9.2	25.6	23.7	51.0	39.2	41.8	23.1
Employment Standards Administration	*	0.0	1.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Labor-Management Relations and Cooperative Programs	0.3	0.2	0.3	0.4	0.3	na	na	na	na	na	na
Occupational Safety and Health Administration	4.5	3.6	4.1	4.2	4.5	2.5	2.6	3.1	2.5	3.2	4.3
Office of the Secretary	2.6	2.1	2.7	6.1	6.1	7.1	8.7	5.7	5.4	5.2	6.2
Pension Benefit Guaranty Corporation	0.2	0.1	0.3	0.3	0.3	0.5	0.5	0.9	1.3	0.7	1.4
Department of State	1.5	1.5	3.0	4.2	4.7	4.7	5.9	5.6	5.3	0.4	0.5
Department of Transportation	430.2	445.2	347.7	332.1	291.5	287.3	361.0	411.1	455.3	536.9	661.4
Federal Aviation Administration	283.7	317.6	190.5	190.2	153.5	185.5	216.0	250.7	260.1	258.9	270.8
Federal Highway Administration	47.5	46.1	76.3	60.1	76.5	44.0	86.1	81.2	87.5	178.5	260.6
Federal Railroad Administration	16.2	15.4	10.9	10.6	7.0	7.0	14.3	21.5	22.8	19.6	22.8
Federal Transit Administration	18.6	8.8	9.4	1.4	2.0	2.3	2.1	1.5	16.5	18.5	33.4
Maritime Administration	10.2	14.1	7.2	2.6	0.0	0.9	1.5	1.7	1.7	1.7	2.3
National Highway Traffic Safety Administration	28.0	19.1	28.9	45.2	28.5	16.9	19.2	24.5	28.3	26.9	41.4
Office of the Secretary	4.7	5.2	4.7	5.2	4.2	6.9	4.7	5.0	4.4	2.5	4.0
Pipeline and Hazardous Materials Safety Administration	2.4	2.3	2.1	2.0	1.6	2.4	2.2	2.3	1.7	4.1	4.9
U.S. Coast Guard	19.0	16.7	17.8	14.9	18.1	21.4	14.9	22.8	32.2	26.1	21.1
Department of the Treasury	24.3	23.0	26.4	25.8	23.5	25.2	30.4	24.5	16.6	20.7	61.5
Bureau of Engraving and Printing	5.0	4.2	4.5	2.0	1.7	2.1	3.5	2.0	3.2	3.4	1.8
Financial Crimes Enforcement Network	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.5	1.5	0.0	0.0
Internal Revenue Service	15.9	13.4	14.1	14.0	14.0	16.3	17.3	17.3	6.5	11.3	49.7
Office of Thrift Supervision	na	na	na	na	na	0.0	3.0	0.8	0.7	0.5	0.6
U.S. Customs Service	2.3	4.9	7.1	9.3	6.9	6.3	3.8	2.3	4.1	4.6	8.6
U.S. Mint	0.6	*	0.1	0.2	0.3	0.1	0.5	0.0	*	0.4	0.3
U.S. Secret Service	0.6	0.5	0.5	0.4	0.6	0.5	0.4	0.6	0.6	0.5	0.6
Department of Veterans Affairs	222.7	185.1	198.8	201.9	186.4	219.0	221.6	207.6	250.8	246.0	258.3
Other agencies											
Advisory Commission on Intergovernmental Relations	2.0	2.0	1.6	1.4	1.2	1.2	1.2	1.5	2.1	1.4	1.4
Agency for International Development	233.0	255.5	263.2	229.1	279.1	334.0	344.0	205.9	321.7	372.6	256.8
Appalachian Regional Commission	0.2	0.2	0.1	0.2	0.8	0.4	0.7	1.9	0.9	0.9	0.9
Consumer Product Safety Commission	2.2	2.0	2.1	1.2	1.3	1.2	1.3	1.2	1.2	0.4	0.4

TABLE 96. Federal outlays for research, development, and R&D plant, by agency: FY 1985–95

(Dollars in millions)

Agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Environmental Protection Agency	274.8	306.9	325.9	340.0	343.2	388.5	400.1	411.9	497.7	558.3	495.5
Federal Communications Commission	1.1	0.9	1.0	1.2	1.1	1.3	1.4	1.6	1.6	1.7	2.3
Federal Emergency Management Agency	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Federal Trade Commission	1.7	1.8	0.5	0.4	0.4	0.5	1.0	1.3	0.9	0.7	0.6
General Services Administration	0.4	1.9	1.6	2.3	0.5	0.7	3.6	20.9	7.6	5.5	1.3
Library of Congress	6.3	6.9	6.5	7.1	8.0	8.4	8.6	10.0	10.7	12.5	7.7
National Aeronautics and Space Administration	3,217.1	3,730.6	3,564.3	4,230.4	5,506.1	6,762.2	7,675.0	8,386.6	8,885.4	8,576.8	9,116.2
National Archives and Records Administration	0.5	1.0	1.1	0.7	0.3	0.4	0.7	0.7	0.3	0.3	0.1
National Science Foundation	1,250.0	1,468.1	1,459.9	1,550.7	1,613.4	1,563.0	1,687.1	1,813.6	1,841.7	1,983.6	1,977.0
Nuclear Regulatory Commission	161.1	136.0	124.4	113.5	113.2	111.5	107.5	116.5	119.6	92.4	88.8
Office of Thrift Supervision	2.8	3.3	3.4	3.4	4.1	4.1	na	na	na	na	na
Smithsonian Institution	59.8	64.0	71.5	74.8	82.6	95.4	98.5	95.4	97.2	127.4	125.0
Tennessee Valley Authority	81.0	79.5	76.9	86.9	61.7	66.7	72.3	103.5	109.6	97.9	93.1
U.S. Arms Control and Disarmament Agency	1.1	0.9	4.6	3.4	2.8	0.2	0.4	2.1	1.5	1.3	1.1
U.S. Information Agency	1.1	2.4	10.0	1.5	1.0	0.0	0.2	0.2	0.2	0.6	0.3
U.S. International Trade Commission	5.8	6.9	7.2	8.1	8.7	9.1	9.9	12.3	12.2	9.4	12.2

* = amount greater than 0 but less than \$50,000.

na = not applicable (agency or subagency did not exist as such or in that organization in that year).

NOTES: Because of rounding, detail may not add to total. Data for only those agencies and subdivisions that had outlays in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 97. Federal outlays for research, development, and R&D plant, by agency: FY 1996–2006

(Dollars in millions)

Agency	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
All agencies	68,007.6	70,892.7	72,466.1	72,613.9	74,077.1	79,692.2	85,100.8	93,938.6	98,551.2	104,238.0	107,380.8
Departments											
Department of Agriculture	1,438.3	1,464.4	1,538.6	1,612.8	1,659.6	1,869.5	2,026.1	2,043.4	2,161.4	2,250.1	2,056.0
Agricultural Marketing Service	4.5	4.5	4.2	4.4	4.8	4.7	5.2	4.7	8.4	9.0	6.6
Agricultural Research Service	739.9	770.4	782.1	847.4	886.8	1,014.6	1,131.4	1,100.0	1,192.9	1,227.7	1,140.1
Animal and Plant Health Inspection Service	19.5	19.8	20.5	20.4	20.6	25.4	23.7	28.0	24.4	25.6	22.6
Cooperative State Research, Education, and Extension Service	434.9	435.8	474.2	464.8	425.4	478.9	487.6	503.1	506.8	538.3	442.7
Economic Research Service	50.1	42.4	55.0	57.8	63.9	66.1	69.9	70.3	65.7	73.0	80.0
Food Safety Inspection Service	*	*	0.2	0.7	2.3	2.6	0.0	0.0	0.0	0.0	0.0
Foreign Agricultural Service	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.6	1.6	1.6	1.6
Forest Service	180.4	181.8	190.6	206.0	244.0	263.0	292.0	321.0	345.0	358.0	346.0
Grain Inspection, Packers, and Stockyards Administration	2.5	2.8	2.7	2.7	3.6	6.1	6.0	5.3	6.7	7.1	8.5
National Agricultural Statistics Service	3.7	3.0	3.3	3.6	3.6	4.3	4.6	5.5	6.1	6.2	6.2
Rural Business-Cooperative Service	1.4	2.5	4.4	3.5	3.1	2.4	4.2	3.8	3.8	3.7	1.7
Department of Commerce	945.1	1,037.6	1,036.6	1,036.1	1,086.3	1,015.8	1,232.6	1,248.2	1,156.6	992.5	1,099.4
Economic Development Administration	0.6	0.6	0.6	0.6	0.6	0.6	0.4	0.5	0.2	0.5	0.0
National Institute of Standards and Technology	404.9	473.3	482.3	456.0	433.6	474.2	532.2	536.6	558.1	440.7	515.6
National Oceanic and Atmospheric Administration	528.5	530.9	519.6	547.2	597.1	501.0	651.3	667.8	550.0	523.0	548.0
National Telecommunications and Information Administration	4.5	27.8	25.5	20.3	23.0	21.0	26.0	23.5	24.2	6.3	9.2
U.S. Census Bureau	6.6	5.1	8.6	12.0	32.0	19.0	22.7	19.9	24.2	22.0	26.6
Department of Defense	35,501.6	35,699.0	35,530.3	33,814.9	31,468.8	33,220.6	34,447.2	39,453.6	42,686.0	45,906.2	48,519.9
Defense agencies and activities	7,198.7	7,182.6	8,047.4	6,207.4	5,611.3	7,287.9	10,479.1	11,879.0	11,140.8	12,929.8	14,555.3
Department of the Air Force	13,474.4	14,912.1	14,246.2	13,972.6	11,729.1	10,229.7	6,576.6	7,754.5	9,242.1	9,788.5	9,850.6
Materiel Command	na	na	na	na	na	na	4,402.3	5,206.5	6,246.6	6,763.4	6,646.2
Space Command	na	na	na	na	na	na	2,174.3	2,548.0	2,995.5	3,025.0	3,204.3
Department of the Army	4,954.4	4,889.9	4,920.4	5,071.8	4,821.7	5,797.0	6,619.9	7,092.1	6,954.2	7,049.0	6,564.6
Department of the Navy	9,605.0	8,417.1	8,038.1	8,261.2	9,016.3	9,675.4	10,576.2	12,484.9	15,043.8	15,828.7	17,371.0
Operational Test and Evaluation, Director	22.1	21.5	27.8	44.7	32.9	205.3	195.5	243.1	305.0	310.1	178.4
Test and Evaluation, Deputy Under Secretary of Defense	247.1	275.8	250.4	257.3	257.4	25.3	na	na	na	na	na
Department of Education	172.0	169.1	192.0	201.6	222.4	251.0	243.1	315.6	226.9	424.0	319.1

TABLE 97. Federal outlays for research, development, and R&D plant, by agency: FY 1996–2006

(Dollars in millions)

Agency	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
Department of Energy	6,656.1	6,485.3	6,652.9	6,836.9	6,874.2	7,415.6	8,034.6	8,424.5	8,501.7	8,610.9	8,357.6
Bonneville Power Administration	NA	NA	NA	NA	NA	NA	22.9	23.3	24.0	24.9	25.9
Civilian Radioactive Waste Management	NA	NA	NA	NA	NA	NA	62.5	75.8	74.1	53.3	37.2
Energy Efficiency and Renewable Energy	NA	NA	NA	NA	NA	NA	739.8	688.5	603.6	581.6	645.0
Environmental Management	NA	NA	NA	NA	NA	NA	160.3	69.4	42.8	54.2	61.4
Fossil Energy	NA	NA	NA	NA	NA	NA	480.5	642.7	505.5	538.8	557.5
National Nuclear Security Administration	NA	NA	NA	NA	NA	NA	3,711.7	3,895.1	4,005.3	3,940.0	3,752.6
Defense Programs	NA	NA	NA	NA	NA	NA	2,770.0	2,996.7	3,135.1	3,010.3	2,860.4
Fissile Materials Disposition	NA	NA	NA	NA	NA	NA	22.0	16.6	1.0	0.0	0.0
Naval Reactors	NA	NA	NA	NA	NA	NA	654.4	658.3	706.0	786.8	749.3
Nonproliferation and Verification	NA	NA	NA	NA	NA	NA	265.4	223.5	163.3	142.9	142.9
Nuclear Energy	NA	NA	NA	NA	NA	NA	28.2	43.0	79.3	81.8	94.1
Office of Intelligence	NA	NA	NA	NA	NA	NA	5.2	4.0	0.0	0.0	0.0
Office of Science	NA	NA	NA	NA	NA	NA	2,823.4	2,982.7	3,167.0	3,336.3	3,184.0
Department of Health and Human Services	10,419.0	11,457.7	12,983.8	14,280.2	18,406.8	21,296.7	23,892.1	27,316.4	28,263.2	28,702.0	28,802.7
Administration for Children and Families	11.9	12.7	15.8	23.1	25.4	26.4	21.7	19.4	18.7	18.5	18.9
Administration on Aging	2.9	4.0	10.4	18.5	1.1	1.6	2.1	4.0	3.0	2.7	2.6
Agency for Healthcare Research and Quality	80.0	110.0	77.0	79.0	50.8	33.5	0.0	0.0	0.0	0.0	0.0
Agency for Toxic Substances and Disease Registry	na	na	na	na	14.7	13.1	12.4	14.3	10.7	9.5	9.8
Centers for Disease Control and Prevention	296.7	306.0	343.6	433.3	439.0	544.0	521.0	564.0	539.8	485.2	485.2
Centers for Medicare and Medicaid Services	75.4	66.3	51.3	48.1	44.4	53.0	72.9	73.6	89.0	94.9	84.4
Food and Drug Administration	138.8	165.9	155.9	133.3	143.8	152.4	129.7	158.1	134.0	147.0	145.9
Health Resources and Services Administration	11.9	13.8	13.8	13.0	36.2	51.6	54.7	439.5	48.0	52.8	21.4
National Institutes of Health	9,779.8	10,687.0	12,035.6	13,226.0	17,134.8	19,771.3	22,343.5	25,964.6	27,311.8	27,783.5	27,924.6
Office of the Secretary	5.0	22.9	7.0	16.6	18.7	15.6	16.5	21.7	21.1	19.0	19.0
Office of Public Health and Science	2.0	1.9	2.0	2.6	2.0	1.7	1.6	1.8	0.0	0.0	0.0
Office of the Assistant Secretary, Planning and Evaluation	3.0	21.0	5.0	13.9	16.7	13.9	14.9	19.9	21.1	19.0	19.0
Substance Abuse and Mental Health Services Administration	16.7	69.1	273.4	289.3	497.8	634.3	717.6	57.2	87.2	88.9	90.7
Department of Homeland Security	na	na	na	na	na	na	na	NA	592.3	1,383.2	1,632.7
Science and Technology Directorate	na	na	na	na	na	na	na	NA	432.4	1,169.0	1,415.0
Transportation Security Administration	na	na	na	na	na	na	na	NA	137.9	194.2	209.0
U.S. Coast Guard	na	na	na	na	na	na	na	NA	21.1	18.8	7.6
U.S. Secret Service	na	na	na	na	na	na	na	NA	1.0	1.1	1.1
Department of Housing and Urban Development	36.2	31.7	31.6	27.5	43.7	64.2	57.7	54.3	43.2	43.7	40.7

TABLE 97. Federal outlays for research, development, and R&D plant, by agency: FY 1996–2006

(Dollars in millions)

Agency	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
Department of the Interior	547.2	572.6	566.9	608.1	581.2	623.2	633.2	600.9	612.2	600.3	568.8
Bureau of Reclamation	6.5	6.8	8.8	10.3	9.8	9.7	10.4	11.0	16.3	19.0	14.7
Geological Survey	498.6	517.2	499.9	545.7	506.1	572.6	565.0	550.2	552.2	540.5	519.2
Minerals Management Service	21.7	22.6	28.4	29.7	30.5	28.0	31.7	29.5	29.5	30.3	28.1
National Park Service	20.2	26.0	29.7	22.5	34.7	12.9	26.2	10.3	14.3	10.5	6.8
Department of Justice	72.7	75.5	73.2	85.3	42.8	67.4	67.7	103.2	68.7	64.1	69.3
Bureau of Prisons	5.2	4.6	8.1	9.3	6.6	12.0	8.7	9.7	9.4	10.5	10.5
Drug Enforcement Administration	1.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Federal Bureau of Investigation	33.5	35.5	35.8	36.3	10.0	19.0	33.6	42.8	34.0	33.5	34.3
Immigration and Naturalization Service	0.2	0.4	0.0	0.2	0.6	0.9	0.0	na	na	na	na
Office of Justice Programs	32.6	35.0	29.3	39.5	25.7	35.5	25.4	50.7	25.3	20.1	24.4
Department of Labor	50.1	39.1	25.2	25.8	82.7	95.5	164.6	176.4	198.2	227.4	233.6
Bureau of Labor Statistics	13.3	12.6	12.4	12.4	12.3	21.5	20.7	20.6	22.4	23.0	23.0
Employee Benefits Security Administration	2.3	2.0	2.7	1.8	1.8	1.3	0.9	2.1	1.3	1.3	1.3
Employment and Training Administration	24.6	18.2	4.7	6.1	60.9	60.9	137.1	148.0	170.1	198.2	204.0
Occupational Safety and Health Administration	6.6	5.4	4.6	3.7	5.7	5.7	3.8	3.1	3.3	3.4	3.5
Office of the Secretary	2.6	0.2	0.2	1.0	1.3	5.4	1.2	1.8	0.2	0.1	0.1
Pension Benefit Guaranty Corporation	0.6	0.7	0.6	0.7	0.7	0.7	0.7	0.9	0.9	1.4	1.8
Department of State	1.0	0.6	0.5	1.0	0.9	1.6	1.6	1.6	2.3	1.7	1.7
Department of Transportation	593.0	548.4	537.3	523.9	449.6	515.4	732.9	592.0	569.4	723.3	969.0
Federal Aviation Administration	265.8	236.0	229.5	187.9	230.2	203.0	309.0	250.0	262.0	275.0	301.0
Federal Highway Administration	236.5	218.0	210.4	230.7	106.7	201.9	209.0	230.0	238.1	288.1	544.2
Federal Motor Carrier Safety Administration	na	na	na	na	0.4	5.5	2.0	2.9	4.3	6.0	6.0
Federal Railroad Administration	20.0	18.1	23.0	22.1	25.3	21.0	28.4	27.9	32.6	42.9	36.6
Federal Transit Administration	22.4	19.5	10.2	10.6	12.0	3.7	2.3	3.8	4.4	7.6	2.9
National Highway Traffic Safety Administration	15.0	23.0	33.3	40.3	40.5	46.7	47.1	50.7	7.0	53.0	51.0
Office of the Secretary	2.8	2.0	3.7	3.7	7.5	7.0	11.1	15.7	11.0	41.3	15.5
Pipeline and Hazardous Materials Safety Administration	7.0	8.4	7.2	7.9	7.0	7.5	9.0	11.0	10.0	7.0	8.0
Research and Innovative Technology Administration	na	na	na	na	na	na	na	na	0.0	2.4	3.8
Transportation Security Administration	na	na	na	na	na	na	95.0	na	na	na	na
U.S. Coast Guard	23.4	23.3	20.1	20.7	20.0	19.3	20.0	na	na	na	na

TABLE 97. Federal outlays for research, development, and R&D plant, by agency: FY 1996–2006

(Dollars in millions)

Agency	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
Department of the Treasury	60.2	59.8	65.2	64.8	60.4	65.1	70.7	60.0	62.4	67.7	70.1
Bureau of Engraving and Printing	1.7	1.7	2.8	2.1	2.8	4.7	7.1	4.9	4.2	6.0	6.3
Internal Revenue Service	51.2	50.8	52.0	55.8	53.3	56.6	55.5	54.4	57.3	57.5	59.5
Office of Thrift Supervision	0.5	0.6	0.7	0.1	0.1	0.1	0.1	0.0	na	na	na
U.S. Customs Service	6.3	6.3	9.2	5.4	1.9	2.2	7.1	na	na	na	na
U.S. Mint	0.0	*	0.1	0.8	1.3	0.8	*	0.7	1.0	4.1	4.3
U.S. Secret Service	0.5	0.4	0.5	0.5	1.0	0.7	0.8	na	na	na	na
Department of Veterans Affairs	240.6	243.2	248.1	339.4	342.0	345.3	329.2	365.7	405.6	402.3	393.0
Other agencies											
Agency for International Development	251.0	206.4	212.0	203.0	179.0	195.0	202.0	220.0	254.0	258.0	258.0
Appalachian Regional Commission	0.9	0.9	0.7	0.8	0.6	0.7	0.7	0.7	0.6	0.8	0.8
Broadcasting Board of Governors	na	na	na	na	0.1	*	0.3	0.0	1.2	0.5	0.2
Consumer Product Safety Commission	0.1	0.1	*	0.0	0.0	0.1	0.0	0.0	na	na	na
Environmental Protection Agency	476.3	537.0	524.0	593.0	492.0	550.0	561.0	550.0	0.2	0.1	0.2
Federal Communications Commission	2.8	3.1	3.0	4.5	2.8	2.7	4.4	4.5	8.5	7.2	6.6
Federal Trade Commission	0.5	0.7	1.1	1.3	0.7	0.7	1.8	2.3	1.6	1.6	1.6
General Services Administration	4.1	1.6	0.0	0.0	0.1	0.6	*	0.0	0.0	0.0	0.1
Library of Congress	11.0	2.5	1.6	2.1	2.2	1.8	2.8	3.0	1.2	20.8	5.9
National Aeronautics and Space Administration	8,094.0	9,715.0	9,741.0	9,752.0	9,291.0	9,167.0	9,142.0	8,719.9	8,746.3	9,183.6	9,642.8
National Archives and Records Administration	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
National Science Foundation	2,212.0	2,318.0	2,302.0	2,399.0	2,616.0	2,762.0	3,074.0	3,507.0	3,796.0	4,146.0	4,087.0
Nuclear Regulatory Commission	75.2	67.5	54.3	48.0	47.0	40.0	47.0	38.0	55.0	57.0	59.0
Smithsonian Institution	125.0	126.0	115.5	88.5	95.5	95.5	103.5	100.5	106.0	113.0	126.0
Social Security Administration	11.5	13.6	17.4	53.3	28.8	28.9	27.9	36.8	30.4	50.0	59.4
Tennessee Valley Authority	6.1	8.9	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Arms Control and Disarmament Agency	0.7	1.2	1.2	na	na	na	na	na	na	na	na
U.S. Information Agency	0.1	0.2	0.2	0.1	na	na	na	na	na	na	na
U.S. International Trade Commission	3.2	5.7	7.2	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0

* = amount greater than 0 but less than \$50,000.

na = not applicable (agency or subagency did not exist as such or in that organization in that year).

NA = not available (data collected for this table were not recorded at that level in that particular fiscal year).

NOTES: Because of rounding, detail may not add to total. Data for only those agencies and subdivisions that had outlays in variables represented by this table appear in table. In FY 2000, National Aeronautics and Space Administration reclassified Space Station as a physical asset, reclassified Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant; and National Institutes of Health reclassified all of its development activities as research. In FY 2003 Substance Abuse and Mental Health Services Administration reclassified some of its funding categories that were considered R&D in prior years. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 98. Federal outlays for research and development, by agency: FY 1985-95

(Dollars in millions)

Agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
All agencies	44,171.4	50,609.1	51,611.7	54,739.4	59,450.4	62,135.3	61,130.4	62,934.5	65,241.3	66,150.8	66,662.0
Departments											
Department of Agriculture	889.0	918.0	922.9	971.2	1,037.5	1,072.5	1,189.4	1,246.0	1,303.9	1,353.6	1,375.8
Agricultural Cooperative Service	2.9	2.6	2.8	2.7	2.8	2.7	2.8	3.4	2.9	3.7	na
Agricultural Marketing Service	1.3	1.7	1.4	1.6	1.5	2.7	3.7	4.3	4.7	4.6	5.0
Agricultural Research Service	466.2	468.1	463.2	482.1	528.0	548.1	573.5	617.1	643.4	660.0	679.3
Animal and Plant Health Inspection Service	0.0	4.2	4.9	5.6	7.4	8.0	15.7	16.7	17.1	19.2	19.1
Cooperative State Research, Education, and Extension Service	236.7	254.8	267.1	277.3	298.3	303.9	380.1	354.9	379.4	404.1	418.8
Economic Research Service	45.1	46.0	43.2	47.2	50.0	50.7	53.0	57.5	61.5	57.3	52.0
Foreign Agricultural Service	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.9
Forest Service	113.1	112.5	119.9	135.8	134.7	139.6	144.7	174.8	179.3	190.8	193.5
Grain Inspection, Packers, and Stockyards Administration	0.9	1.0	1.2	1.0	1.1	0.6	0.7	1.8	1.8	1.8	1.5
Human Nutrition Information Service	7.2	10.6	9.6	8.2	8.4	9.0	8.9	9.7	7.3	5.3	na
National Agricultural Statistics Service	8.4	8.0	3.5	3.6	2.8	2.7	3.2	3.5	3.9	3.6	4.2
Office of International Cooperation and Development	5.8	7.5	5.1	5.0	2.5	4.3	3.1	2.4	2.6	0.0	na
Office of Transportation	1.3	1.0	1.0	1.1	na	na	na	na	na	na	na
Rural Business-Cooperative Service	na	na	na	na	na	na	na	na	na	2.4	1.6
Department of Commerce	373.6	372.6	307.0	378.6	394.0	426.8	485.1	622.1	629.6	797.4	863.0
Economic Development Administration	7.8	7.8	7.2	2.4	1.1	1.5	1.0	1.1	0.7	0.3	1.0
National Institute of Standards and Technology	102.2	103.3	100.0	101.3	113.0	112.3	135.9	149.1	180.1	225.2	327.4
National Oceanic and Atmospheric Administration	249.1	247.2	187.1	263.0	268.6	300.1	338.0	462.4	439.5	562.6	523.1
National Telecommunications and Information Administration	9.0	8.5	7.8	6.1	6.2	6.2	3.6	4.0	4.2	3.9	6.4
Office of the Secretary	0.6	1.2	0.3	0.1	0.1	*	*	*	*	*	*
U.S. Census Bureau	4.8	4.6	4.5	5.6	5.0	6.7	6.6	5.5	5.0	5.4	5.1
Department of Defense	26,742.0	32,210.5	33,254.4	34,156.8	36,453.4	36,703.2	33,013.5	34,220.8	34,152.7	34,918.2	33,920.9
Defense agencies and activities	2,285.2	4,062.4	4,958.4	5,622.1	6,409.5	6,765.0	6,621.8	7,358.7	6,628.0	8,084.7	7,099.7
Department of the Air Force	12,063.9	14,044.0	13,906.8	14,567.0	15,190.8	14,687.9	12,825.6	12,346.1	12,056.9	12,645.5	12,024.9
Department of the Army	4,176.6	4,223.5	4,949.0	4,837.8	5,201.6	5,750.2	5,659.5	6,273.2	6,118.3	5,794.0	5,133.0
Department of the Navy	8,161.1	9,809.1	9,357.1	9,003.1	9,475.0	9,352.3	7,815.0	8,004.0	9,114.0	8,150.5	9,416.6
Operational Test and Evaluation, Director Test and Evaluation, Deputy Under Secretary of Defense	na	0.0	4.4	7.2	31.6	32.0	22.3	9.4	12.3	11.9	12.4
	55.1	71.6	78.8	119.6	145.0	115.8	69.4	229.4	223.2	231.8	234.3

TABLE 98. Federal outlays for research and development, by agency: FY 1985–95

(Dollars in millions)

Agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Department of Education	95.7	124.5	122.6	131.8	153.4	147.9	114.5	133.0	173.8	177.2	179.6
Department of Energy	4,947.7	4,655.8	4,711.3	4,964.7	5,200.6	5,508.4	5,727.2	6,034.7	6,185.1	5,974.7	6,152.2
Department of Health and Human Services	5,007.0	5,498.7	5,719.5	6,892.5	7,717.4	8,308.7	9,627.3	8,994.8	10,325.9	10,218.2	10,978.2
Administration for Children and Families	na	na	na	na	na	na	110.2	35.1	19.3	11.3	12.0
Administration on Aging	na	na	na	na	na	na	20.6	20.2	20.9	19.1	20.7
Agency for Healthcare Research and Quality	na	na	na	na	na	5.3	11.9	113.5	87.6	111.0	133.0
Alcohol, Drug Abuse, and Mental Health Administration	348.4	396.1	475.5	554.8	695.7	842.7	1,460.6	na	na	na	na
Centers for Disease Control and Prevention	47.6	52.7	66.2	88.7	117.8	95.6	113.4	146.9	162.5	206.8	317.4
Centers for Medicare and Medicaid Services	33.5	28.1	36.1	31.4	32.5	14.4	21.7	63.9	69.5	72.3	72.9
Food and Drug Administration	81.2	79.1	83.7	89.6	94.0	94.0	125.0	135.7	154.5	138.6	131.3
Health Resources and Services Administration	16.0	13.0	9.2	10.0	10.5	11.9	11.0	10.1	9.6	16.4	12.8
Human Development Services	21.4	52.0	51.1	50.9	73.3	76.7	na	na	na	na	na
National Institutes of Health	4,420.1	4,845.0	4,956.2	6,031.2	6,645.0	7,127.0	7,714.0	8,409.2	9,765.1	9,614.8	10,262.8
Office of the Assistant Secretary for Health	15.8	21.6	23.5	20.0	26.0	22.3	18.2	21.7	15.8	0.7	0.6
Office of the Secretary	9.6	6.1	8.2	4.7	7.8	5.0	8.8	5.0	5.2	5.0	3.5
Social Security Administration	13.3	5.0	9.8	11.1	14.8	13.9	11.9	33.4	15.9	22.2	11.3
Department of Housing and Urban Development	18.6	13.9	19.7	14.9	20.7	21.7	18.1	23.5	28.4	28.5	38.0
Department of the Interior	412.8	439.3	390.0	414.6	478.4	492.5	535.6	610.6	631.0	637.4	552.3
Bureau of Land Management	4.4	3.4	3.6	3.7	3.0	2.8	8.8	6.3	8.9	0.0	0.0
Bureau of Mines	100.4	131.0	91.2	87.6	90.6	93.6	96.3	113.9	111.8	107.9	0.0
Bureau of Reclamation	10.5	12.0	10.6	4.4	4.2	5.8	8.7	12.2	9.6	7.4	8.0
Geological Survey	229.9	225.6	210.4	237.9	299.5	300.0	316.6	365.9	381.2	369.1	354.1
Minerals Management Service	1.5	1.1	1.0	1.2	1.9	1.8	2.5	3.4	5.1	18.3	19.8
National Biological Service	na	na	na	na	na	na	na	na	0.0	110.3	150.7
National Park Service	15.0	17.3	18.5	19.4	19.4	20.1	27.5	31.1	38.1	24.2	19.7
Office of Surface Mining Reclamation and Enforcement	2.0	2.3	1.0	1.0	0.7	0.8	1.0	0.3	0.4	0.0	0.0
Office of the Secretary	0.3	0.6	2.0	0.4	0.4	0.2	0.6	0.9	0.4	0.1	*
U.S. Fish and Wildlife Service	48.8	46.0	51.7	59.0	58.8	67.3	73.6	76.6	75.5	0.0	0.0
Department of Justice	32.7	32.1	38.7	48.1	36.0	38.2	40.4	42.9	46.2	42.0	49.0
Bureau of Prisons	1.5	3.0	6.9	6.0	3.8	3.2	5.7	5.9	6.1	5.4	5.7
Drug Enforcement Administration	1.6	2.5	2.2	2.5	2.7	2.4	2.8	1.5	1.1	1.7	0.4
Federal Bureau of Investigation	8.9	6.9	6.6	12.7	6.5	8.2	10.8	10.9	11.3	7.0	10.9
Immigration and Naturalization Service	0.4	0.4	0.4	5.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Office of Justice Programs	20.1	19.2	22.4	21.6	22.5	24.0	20.7	24.1	27.2	27.6	31.5
Office of Legal Policy	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 98. Federal outlays for research and development, by agency: FY 1985-95

(Dollars in millions)

Agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Department of Labor	13.7	10.9	20.3	31.8	28.9	45.2	45.6	70.8	57.8	60.7	51.7
Bureau of Labor Statistics	0.6	0.6	6.5	7.0	7.0	7.3	7.5	7.6	6.9	7.1	13.1
Employee Benefits Security Administration	1.1	0.9	1.0	2.6	1.3	2.1	2.5	2.6	2.6	2.7	3.6
Employment and Training Administration	4.5	3.4	4.4	11.2	9.2	25.6	23.7	51.0	39.2	41.8	23.1
Employment Standards Administration	*	0.0	1.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Labor-Management Relations and Cooperative Programs	0.3	0.2	0.3	0.4	0.3	na	na	na	na	na	na
Occupational Safety and Health Administration	4.5	3.6	4.1	4.2	4.5	2.5	2.6	3.1	2.5	3.2	4.3
Office of the Secretary	2.6	2.1	2.7	6.1	6.1	7.1	8.7	5.7	5.4	5.2	6.2
Pension Benefit Guaranty Corporation	0.2	0.1	0.3	0.3	0.3	0.5	0.5	0.9	1.3	0.7	1.4
Department of State	1.5	1.5	3.0	4.2	4.7	4.7	5.9	5.6	5.3	0.4	0.5
Department of Transportation	416.1	429.8	336.6	321.0	278.6	270.6	342.6	394.0	425.2	519.9	634.7
Federal Aviation Administration	270.1	303.3	180.1	179.6	141.0	169.2	199.6	234.9	234.5	247.2	256.8
Federal Highway Administration	47.5	45.5	76.0	60.1	76.5	44.0	86.1	81.2	87.1	174.7	249.6
Federal Railroad Administration	16.2	15.4	10.9	10.3	6.7	7.0	12.8	20.6	21.6	18.6	21.5
Federal Transit Administration	18.6	8.8	9.4	1.4	2.0	2.3	2.1	1.5	14.3	18.5	33.4
Maritime Administration	10.2	14.1	7.2	2.6	0.0	0.9	1.5	1.7	1.7	1.7	2.3
National Highway Traffic Safety Administration	27.5	18.6	28.4	45.2	28.5	16.9	19.2	24.5	28.3	26.9	41.4
Office of the Secretary	4.7	5.2	4.7	5.2	4.2	6.9	4.7	5.0	4.4	2.5	4.0
Pipeline and Hazardous Materials Safety Administration	2.4	2.3	2.1	2.0	1.6	2.4	2.2	2.3	1.7	4.1	4.9
U.S. Coast Guard	19.0	16.7	17.8	14.6	18.1	21.0	14.5	22.4	31.7	25.5	20.6
Department of the Treasury	24.2	22.9	26.3	25.7	23.4	25.1	30.3	24.4	16.5	18.9	61.4
Bureau of Engraving and Printing	5.0	4.2	4.5	2.0	1.7	2.1	3.5	2.0	3.2	1.7	1.8
Financial Crimes Enforcement Network	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.5	1.5	0.0	0.0
Internal Revenue Service	15.9	13.4	14.1	14.0	14.0	16.3	17.3	17.3	6.5	11.3	49.7
Office of Thrift Supervision	na	na	na	na	na	0.0	3.0	0.8	0.7	0.5	0.6
U.S. Customs Service	2.2	4.8	7.0	9.2	6.8	6.2	3.7	2.2	4.0	4.5	8.5
U.S. Mint	0.6	*	0.1	0.2	0.3	0.1	0.5	0.0	*	0.4	0.3
U.S. Secret Service	0.6	0.4	0.5	0.4	0.6	0.5	0.4	0.5	0.6	0.5	0.5
Department of Veterans Affairs	215.1	181.2	195.1	197.3	184.9	206.6	213.4	202.1	246.0	240.8	251.1
Other agencies											
Advisory Commission on Intergovernmental Relations	2.0	2.0	1.6	1.4	1.2	1.2	1.2	1.5	2.1	1.4	1.4
Agency for International Development	220.3	241.5	248.7	216.6	279.1	334.0	344.0	205.9	321.7	372.6	256.8
Appalachian Regional Commission	0.2	0.2	0.1	0.2	0.8	0.4	0.7	1.9	0.9	0.9	0.9
Consumer Product Safety Commission	2.2	2.0	2.1	1.2	1.3	1.2	1.3	1.2	1.2	0.4	0.4

TABLE 98. Federal outlays for research and development, by agency: FY 1985–95

(Dollars in millions)

Agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Environmental Protection Agency	274.8	306.9	325.9	340.0	343.2	388.5	400.1	411.9	495.2	553.5	492.5
Federal Communications Commission	1.1	0.9	1.0	1.2	1.1	1.3	1.4	1.6	1.6	1.7	2.3
Federal Emergency Management Agency	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Federal Trade Commission	1.7	1.8	0.5	0.4	0.4	0.5	1.0	1.3	0.9	0.7	0.6
General Services Administration	0.4	1.2	1.6	2.3	0.5	0.7	0.0	0.0	0.0	0.0	0.0
Library of Congress	6.3	6.9	6.5	7.1	8.0	8.4	8.6	10.0	10.7	12.5	7.7
National Aeronautics and Space Administration	2,970.3	3,431.5	3,250.4	3,831.7	4,974.8	6,324.3	7,071.2	7,616.5	8,087.0	8,023.3	8,600.7
National Archives and Records Administration	0.5	1.0	1.1	0.7	0.3	0.4	0.7	0.7	0.3	0.3	0.1
National Science Foundation	1,186.0	1,410.7	1,410.0	1,494.0	1,556.7	1,524.9	1,630.6	1,732.7	1,754.2	1,873.0	1,876.0
Nuclear Regulatory Commission	161.1	136.0	124.4	113.5	113.2	111.5	107.5	116.5	119.6	92.4	88.8
Office of Thrift Supervision	2.8	3.3	3.4	3.4	4.1	4.1	na	na	na	na	na
Smithsonian Institution	58.9	62.5	69.9	73.2	79.8	90.8	94.0	94.2	96.0	121.2	119.0
Tennessee Valley Authority	80.7	78.9	76.5	86.4	61.6	61.8	68.6	98.8	108.6	97.9	93.1
U.S. Arms Control and Disarmament Agency	1.1	0.9	3.6	3.4	2.8	0.2	0.4	2.1	1.5	1.3	1.1
U.S. Information Agency	1.1	2.4	10.0	1.5	1.0	0.0	0.2	0.2	0.2	0.6	0.3
U.S. International Trade Commission	5.8	6.9	7.2	8.1	8.7	9.1	9.9	12.3	12.2	9.4	12.2

* = amount greater than 0 but less than \$50,000.

na = not applicable (agency or subagency did not exist as such or in that organization in that year).

NOTES: Because of rounding, detail may not add to total. Data for only those agencies and subdivisions that had outlays in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 99. Federal outlays for research and development, by agency: FY 1996–2006

(Dollars in millions)

Agency	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
All agencies	66,142.0	68,897.9	70,631.9	70,585.2	69,807.4	75,335.7	80,712.5	89,780.7	94,695.6	100,345.4	103,715.2
Departments											
Department of Agriculture	1,335.7	1,342.2	1,379.5	1,446.2	1,551.2	1,754.3	1,919.1	1,966.3	2,048.2	2,119.5	1,914.4
Agricultural Marketing Service	4.5	4.5	4.2	4.4	4.8	4.7	5.2	4.7	8.4	9.0	6.6
Agricultural Research Service	672.4	699.5	687.1	733.5	790.4	912.3	1,039.4	1,039.0	1,098.7	1,111.0	1,016.5
Animal and Plant Health Inspection Service	18.0	19.8	20.5	20.4	20.6	25.4	23.7	28.0	24.4	25.6	22.6
Cooperative State Research, Education, and Extension Service	403.8	386.5	412.7	424.2	425.4	478.9	487.6	503.1	506.8	538.3	442.7
Economic Research Service	50.1	42.4	55.0	57.8	63.9	66.1	69.9	70.3	65.7	73.0	80.0
Food Safety Inspection Service	*	*	0.2	0.7	2.3	2.6	0.0	0.0	0.0	0.0	0.0
Foreign Agricultural Service	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.6	1.6	1.6	1.6
Forest Service	177.9	179.8	188.0	194.0	232.0	250.0	277.0	305.0	326.0	344.0	328.0
Grain Inspection, Packers, and Stockyards Administration	2.5	2.8	2.7	2.7	3.6	6.1	6.0	5.3	6.7	7.1	8.5
National Agricultural Statistics Service	3.7	3.0	3.3	3.6	3.6	4.3	4.6	5.5	6.1	6.2	6.2
Rural Business-Cooperative Service	1.4	2.5	4.4	3.5	3.1	2.4	4.2	3.8	3.8	3.7	1.7
Department of Commerce	918.1	967.1	994.1	999.8	1,065.6	966.5	1,113.7	1,155.2	1,076.4	929.6	1,058.5
Economic Development Administration	0.6	0.6	0.6	0.6	0.6	0.6	0.4	0.5	0.2	0.5	0.0
National Institute of Standards and Technology	378.0	424.4	439.8	419.6	412.8	424.9	413.3	459.2	508.8	420.7	488.7
National Oceanic and Atmospheric Administration	528.5	509.3	519.6	547.2	597.1	501.0	651.3	652.0	519.0	480.0	534.0
National Telecommunications and Information Administration	4.5	27.8	25.5	20.3	23.0	21.0	26.0	23.5	24.2	6.3	9.2
U.S. Census Bureau	6.6	5.1	8.6	12.0	32.0	19.0	22.7	19.9	24.2	22.0	26.6
Department of Defense	35,387.0	35,646.6	35,490.6	33,687.3	31,428.8	33,158.9	34,077.8	39,216.4	42,498.2	45,630.3	48,338.1
Defense agencies and activities	7,170.3	7,177.3	8,038.4	6,188.5	5,608.5	7,285.7	10,196.9	11,741.1	11,074.2	12,791.2	14,517.7
Department of the Air Force	13,420.3	14,886.7	14,242.5	13,899.4	11,726.8	10,219.9	6,571.2	7,747.7	9,232.4	9,779.0	9,840.8
Materiel Command	na	na	na	na	na	na	4,396.9	5,199.7	6,236.9	6,754.0	6,636.4
Space Command	na	na	na	na	na	na	2,174.3	2,548.0	2,995.5	3,025.0	3,204.3
Department of the Army	4,948.7	4,885.2	4,916.3	5,067.8	4,820.1	5,796.7	6,619.8	7,092.1	6,954.2	7,049.0	6,564.6
Department of the Navy	9,578.5	8,400.2	8,015.2	8,229.7	8,983.2	9,626.1	10,494.5	12,392.4	14,932.4	15,700.9	17,236.7
Operational Test and Evaluation, Director	22.1	21.5	27.8	44.7	32.9	205.3	195.5	243.1	305.0	310.1	178.4
Test and Evaluation, Deputy Under Secretary of Defense	247.1	275.8	250.4	257.3	257.4	25.3	na	na	na	na	na
Department of Education	172.0	169.1	192.0	201.6	222.4	251.0	243.1	315.6	226.9	424.0	319.1

TABLE 99. Federal outlays for research and development, by agency: FY 1996–2006

(Dollars in millions)

Agency	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
Department of Energy	5,846.2	5,678.6	5,876.7	6,035.0	6,067.6	6,539.1	7,010.3	7,372.7	7,475.8	7,722.6	7,516.6
Bonneville Power Administration	NA	NA	NA	NA	NA	NA	22.9	23.3	24.0	24.9	25.9
Civilian Radioactive Waste Management	NA	NA	NA	NA	NA	NA	62.5	75.8	74.1	53.3	37.2
Energy Efficiency and Renewable Energy	NA	NA	NA	NA	NA	NA	734.9	682.3	583.9	559.2	610.2
Environmental Management	NA	NA	NA	NA	NA	NA	160.3	69.4	42.8	54.2	61.4
Fossil Energy	NA	NA	NA	NA	NA	NA	471.3	639.8	499.5	532.7	555.4
National Nuclear Security Administration	NA	NA	NA	NA	NA	NA	3,299.4	3,448.3	3,579.4	3,629.8	3,450.4
Defense Programs	NA	NA	NA	NA	NA	NA	2,372.7	2,576.7	2,727.4	2,744.8	2,605.4
Fissile Materials Disposition	NA	NA	NA	NA	NA	NA	22.0	16.6	1.0	0.0	0.0
Naval Reactors	NA	NA	NA	NA	NA	NA	639.3	631.5	687.8	742.1	702.1
Nonproliferation and Verification	NA	NA	NA	NA	NA	NA	265.4	223.5	163.3	142.9	142.9
Nuclear Energy	NA	NA	NA	NA	NA	NA	28.2	43.0	79.3	81.8	94.1
Office of Intelligence	NA	NA	NA	NA	NA	NA	5.2	4.0	0.0	0.0	0.0
Office of Science	NA	NA	NA	NA	NA	NA	2,225.5	2,386.7	2,592.8	2,786.6	2,682.1
Department of Health and Human Services	10,278.5	11,337.2	12,826.9	14,056.8	18,187.1	21,002.4	23,647.8	26,499.3	27,834.6	28,402.7	28,680.0
Administration for Children and Families	11.9	12.7	15.8	23.1	25.4	26.4	21.7	19.4	18.7	18.5	18.9
Administration on Aging	2.9	4.0	10.4	18.5	1.1	1.6	2.1	4.0	3.0	2.7	2.6
Agency for Healthcare Research and Quality	80.0	110.0	77.0	79.0	50.8	33.5	0.0	0.0	0.0	0.0	0.0
Agency for Toxic Substances and Disease Registry	na	na	na	na	14.7	13.1	12.4	14.3	10.7	9.5	9.8
Centers for Disease Control and Prevention	296.7	306.0	343.6	433.3	439.0	544.0	521.0	564.0	539.8	485.2	485.2
Centers for Medicare and Medicaid Services	75.4	66.3	51.3	48.1	44.4	53.0	72.9	73.6	89.0	94.9	84.4
Food and Drug Administration	133.3	157.3	142.9	130.8	141.2	149.4	119.4	149.5	127.5	145.1	143.7
Health Resources and Services Administration	11.2	13.1	12.9	12.4	35.6	51.0	54.1	439.2	47.4	52.2	20.8
National Institutes of Health	9,645.6	10,575.9	11,892.5	13,005.7	16,918.3	19,480.7	22,110.1	25,156.4	26,890.4	27,486.8	27,804.8
Office of the Secretary	5.0	22.9	7.0	16.6	18.7	15.6	16.5	21.7	21.1	19.0	19.0
Office of Public Health and Science	2.0	1.9	2.0	2.6	2.0	1.7	1.6	1.8	0.0	0.0	0.0
Office of the Assistant Secretary, Planning and Evaluation	3.0	21.0	5.0	13.9	16.7	13.9	14.9	19.9	21.1	19.0	19.0
Substance Abuse and Mental Health Services Administration	16.7	69.1	273.4	289.3	497.8	634.3	717.6	57.2	87.2	88.9	90.7
Department of Homeland Security	na	na	na	na	na	na	na	NA	535.9	1,232.6	1,451.6
Science and Technology Directorate	na	na	na	na	na	na	na	NA	377.0	1,019.4	1,233.9
Transportation Security Administration	na	na	na	na	na	na	na	NA	137.9	194.2	209.0
U.S. Coast Guard	na	na	na	na	na	na	na	NA	20.1	17.9	7.6
U.S. Secret Service	na	na	na	na	na	na	na	NA	1.0	1.1	1.1
Department of Housing and Urban Development	36.2	31.7	31.6	27.5	43.7	64.2	57.7	54.3	43.2	43.7	40.7

TABLE 99. Federal outlays for research and development, by agency: FY 1996–2006

(Dollars in millions)

Agency	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
Department of the Interior	545.1	566.1	565.3	606.7	579.8	621.1	631.1	597.4	604.6	592.5	561.5
Bureau of Reclamation	6.5	6.8	8.8	10.3	9.8	9.7	10.4	9.5	10.9	13.7	10.0
Geological Survey	497.6	512.5	499.9	545.7	506.1	572.6	565.0	550.2	552.2	540.5	519.2
Minerals Management Service	20.7	20.8	26.8	28.2	29.1	25.9	29.6	27.4	27.2	27.8	25.5
National Park Service	20.2	26.0	29.7	22.5	34.7	12.9	26.2	10.3	14.3	10.5	6.8
Department of Justice	72.7	75.5	73.2	85.3	42.8	67.4	67.7	103.2	68.7	64.1	69.3
Bureau of Prisons	5.2	4.6	8.1	9.3	6.6	12.0	8.7	9.7	9.4	10.5	10.5
Drug Enforcement Administration	1.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Federal Bureau of Investigation	33.5	35.5	35.8	36.3	10.0	19.0	33.6	42.8	34.0	33.5	34.3
Immigration and Naturalization Service	0.2	0.4	0.0	0.2	0.6	0.9	0.0	na	na	na	na
Office of Justice Programs	32.6	35.0	29.3	39.5	25.7	35.5	25.4	50.7	25.3	20.1	24.4
Department of Labor	50.1	39.1	25.2	25.8	82.7	95.5	164.6	176.4	198.2	227.4	233.6
Bureau of Labor Statistics	13.3	12.6	12.4	12.4	12.3	21.5	20.7	20.6	22.4	23.0	23.0
Employee Benefits Security Administration	2.3	2.0	2.7	1.8	1.8	1.3	0.9	2.1	1.3	1.3	1.3
Employment and Training Administration	24.6	18.2	4.7	6.1	60.9	60.9	137.1	148.0	170.1	198.2	204.0
Occupational Safety and Health Administration	6.6	5.4	4.6	3.7	5.7	5.7	3.8	3.1	3.3	3.4	3.5
Office of the Secretary	2.6	0.2	0.2	1.0	1.3	5.4	1.2	1.8	0.2	0.1	0.1
Pension Benefit Guaranty Corporation	0.6	0.7	0.6	0.7	0.7	0.7	0.7	0.9	0.9	1.4	1.8
Department of State	1.0	0.6	0.5	1.0	0.9	1.6	1.6	1.6	2.3	1.7	1.7
Department of Transportation	578.8	527.6	516.0	508.4	436.7	510.6	681.5	584.6	554.6	707.2	950.8
Federal Aviation Administration	259.8	218.0	210.5	173.7	217.6	199.0	295.0	244.0	248.0	260.0	284.0
Federal Highway Administration	230.4	215.6	209.3	230.7	106.7	201.9	209.0	230.0	238.1	288.1	544.2
Federal Motor Carrier Safety Administration	na	na	na	na	0.4	5.5	2.0	2.9	4.3	6.0	6.0
Federal Railroad Administration	18.5	18.1	22.0	21.1	25.3	20.4	27.3	26.5	31.8	41.9	35.4
Federal Transit Administration	22.4	19.5	10.2	10.6	12.0	3.7	2.3	3.8	4.4	7.6	2.9
National Highway Traffic Safety Administration	15.0	23.0	33.3	40.3	40.5	46.7	47.1	50.7	7.0	53.0	51.0
Office of the Secretary	2.8	2.0	3.7	3.7	7.5	7.0	11.1	15.7	11.0	41.3	15.5
Pipeline and Hazardous Materials Safety Administration	7.0	8.4	7.2	7.9	7.0	7.5	9.0	11.0	10.0	7.0	8.0
Research and Innovative Technology Administration	na	na	na	na	na	na	na	na	0.0	2.4	3.8
Transportation Security Administration	na	na	na	na	na	na	59.0	na	na	na	na
U.S. Coast Guard	22.8	22.9	19.9	20.4	19.8	19.0	19.7	na	na	na	na

TABLE 99. Federal outlays for research and development, by agency: FY 1996–2006

(Dollars in millions)

Agency	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
Department of the Treasury	60.0	59.7	65.1	64.7	60.3	65.1	70.7	60.0	62.4	67.7	70.1
Bureau of Engraving and Printing	1.7	1.7	2.8	2.1	2.8	4.7	7.1	4.9	4.2	6.0	6.3
Internal Revenue Service	51.2	50.8	52.0	55.8	53.3	56.6	55.5	54.4	57.3	57.5	59.5
Office of Thrift Supervision	0.5	0.6	0.7	0.1	0.1	0.1	0.1	0.0	na	na	na
U.S. Customs Service	6.2	6.1	9.0	5.3	1.8	2.2	7.1	na	na	na	na
U.S. Mint	0.0	*	0.1	0.8	1.3	0.8	*	0.7	1.0	4.1	4.3
U.S. Secret Service	0.5	0.4	0.5	0.5	1.0	0.7	0.8	na	na	na	na
Department of Veterans Affairs	232.1	234.9	246.9	339.1	341.7	345.0	328.8	365.4	405.2	402.1	392.7
Other agencies											
Agency for International Development	251.0	206.4	212.0	203.0	179.0	195.0	202.0	220.0	254.0	258.0	258.0
Appalachian Regional Commission	0.9	0.9	0.7	0.8	0.6	0.7	0.7	0.7	0.6	0.8	0.8
Broadcasting Board of Governors	na	na	na	na	0.1	*	0.3	0.0	1.2	0.5	0.2
Consumer Product Safety Commission	0.1	0.1	*	0.0	0.0	0.1	0.0	0.0	na	na	na
Environmental Protection Agency	476.3	515.0	503.0	532.0	472.0	520.0	561.0	550.0	0.2	0.1	0.2
Federal Communications Commission	2.8	3.1	3.0	4.5	2.8	2.7	4.4	4.5	8.5	7.2	6.6
Federal Trade Commission	0.5	0.7	1.1	1.3	0.7	0.7	1.8	2.3	1.6	1.6	1.6
Library of Congress	11.0	2.5	1.6	2.1	2.2	1.8	2.8	3.0	1.2	20.8	5.9
National Aeronautics and Space Administration	7,614.0	9,273.0	9,421.0	9,415.0	6,424.0	6,444.0	6,945.0	7,124.1	7,165.5	7,523.8	7,900.0
National Archives and Records Administration	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
National Science Foundation	2,054.0	2,000.0	2,010.0	2,144.0	2,446.0	2,566.0	2,803.0	3,235.0	3,439.0	3,754.0	3,716.0
Nuclear Regulatory Commission	75.2	67.5	54.3	48.0	47.0	40.0	47.0	38.0	55.0	57.0	59.0
Smithsonian Institution	121.0	123.0	113.0	86.0	93.0	93.0	101.0	98.0	103.0	104.0	109.0
Social Security Administration	11.5	13.6	17.4	53.3	28.8	28.9	27.9	36.8	30.4	50.0	59.4
Tennessee Valley Authority	6.1	8.9	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Arms Control and Disarmament Agency	0.7	1.2	1.2	na	na	na	na	na	na	na	na
U.S. Information Agency	0.1	0.2	0.2	0.1	na	na	na	na	na	na	na
U.S. International Trade Commission	3.2	5.7	7.2	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0

* = amount greater than 0 but less than \$50,000.

na = not applicable (agency or subagency did not exist as such or in that organization in that year).

NA = not available (data collected for this table were not recorded at that level in that particular fiscal year).

NOTES: Because of rounding, detail may not add to total. Data for only those agencies and subdivisions that had outlays in variables represented by this table appear in table. In FY 2000, National Aeronautics and Space Administration reclassified Space Station as a physical asset, reclassified Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant; and National Institutes of Health reclassified all of its development activities as research. In FY 2003 Substance Abuse and Mental Health Services Administration reclassified some of its funding categories that were considered R&D in prior years. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 100. Federal outlays for R&D plant, by agency: FY 1985-95

(Dollars in millions)

Agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
All agencies	1,688.9	1,481.2	1,602.4	1,817.2	2,026.1	2,015.8	2,546.1	2,784.5	3,144.5	2,177.6	2,032.4
Departments											
Department of Agriculture	34.3	35.0	71.1	78.5	92.3	124.2	80.1	136.8	149.5	133.4	128.4
Agricultural Research Service	26.7	32.4	63.3	58.3	51.7	55.3	49.4	69.4	89.2	75.3	79.1
Animal and Plant Health Inspection Service	0.0	0.0	0.0	0.5	0.3	6.1	0.0	0.0	0.0	0.0	0.0
Cooperative State Research, Education, and Extension Service	6.9	1.6	7.0	17.5	38.6	58.0	15.5	60.2	53.8	52.8	45.1
Foreign Agricultural Service	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0
Forest Service	0.7	1.0	0.8	2.2	1.7	4.9	15.1	7.2	6.5	4.9	4.3
Department of Commerce	4.3	7.4	4.2	10.9	9.1	14.7	15.5	21.3	22.4	12.9	23.5
Economic Development Administration	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0
National Institute of Standards and Technology	4.3	6.0	2.1	10.1	8.5	8.1	8.3	11.4	9.6	12.7	23.0
National Oceanic and Atmospheric Administration	0.0	1.5	2.1	0.5	0.5	6.6	7.3	9.9	12.8	0.3	0.5
Department of Defense	401.7	280.6	357.3	416.2	415.6	436.8	433.7	410.9	373.2	261.0	81.0
Defense agencies and activities	4.7	5.8	37.4	68.1	91.8	88.6	63.5	91.6	61.7	40.6	12.4
Department of the Air Force	199.8	89.1	194.3	207.5	199.7	200.2	218.2	186.3	231.0	153.7	26.9
Department of the Army	53.4	55.0	60.7	61.8	39.7	46.8	65.0	22.0	7.0	3.8	4.2
Department of the Navy	143.8	130.7	65.0	78.8	84.5	101.2	87.0	111.0	73.5	62.9	37.5
Department of Education	0.0	0.8	15.8	11.1	2.3	2.8	2.6	2.5	12.8	1.9	1.0
Department of Energy	855.3	725.8	721.3	779.0	838.3	856.9	1,099.8	1,198.0	1,483.2	921.8	864.1
Department of Health and Human Services	42.6	32.7	31.5	30.7	56.0	55.1	194.8	96.7	149.3	134.2	267.0
Alcohol, Drug Abuse, and Mental Health Administration	1.4	0.5	0.6	0.0	0.0	0.0	0.0	na	na	na	na
Food and Drug Administration	15.0	10.0	1.9	1.7	2.0	1.0	18.4	14.3	19.7	21.9	16.7
Health Resources and Services Administration	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.4	1.4	1.6
National Institutes of Health	26.2	22.2	29.0	29.0	54.0	54.1	176.4	82.1	128.2	110.9	248.8
Social Security Administration	0.0	0.0	0.0	0.0	0.0	0.0	*	0.0	0.0	0.0	0.0
Department of the Interior	4.2	6.1	4.8	5.1	6.8	10.5	20.7	17.8	20.8	7.5	6.5
Bureau of Mines	0.0	0.0	0.0	0.0	2.1	3.0	1.5	0.0	0.0	0.0	0.0
Geological Survey	0.9	0.9	0.8	0.8	1.4	1.3	2.9	4.4	4.0	6.3	5.3
Minerals Management Service	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.7	1.0	1.1	1.0
National Biological Service	na	na	na	na	na	na	na	na	0.0	0.1	0.3
U.S. Fish and Wildlife Service	3.3	5.2	4.0	4.3	3.4	6.0	16.1	12.7	15.8	0.0	0.0
Department of Justice	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Federal Bureau of Investigation	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 100. Federal outlays for R&D plant, by agency: FY 1985–95

(Dollars in millions)

Agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Department of Transportation	14.1	15.5	11.2	11.1	12.9	16.7	18.4	17.1	30.0	17.0	26.7
Federal Aviation Administration	13.6	14.3	10.4	10.5	12.6	16.3	16.5	15.9	25.6	11.7	14.0
Federal Highway Administration	0.0	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.4	3.8	10.9
Federal Railroad Administration	0.0	0.0	0.0	0.2	0.3	*	1.5	0.8	1.3	1.0	1.3
Federal Transit Administration	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0
National Highway Traffic Safety Administration	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Coast Guard	0.0	0.0	0.0	0.3	0.0	0.4	0.4	0.4	0.5	0.5	0.5
Department of the Treasury	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	1.9	0.2
Bureau of Engraving and Printing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0
U.S. Customs Service	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
U.S. Secret Service	0.0	0.1	*	*	*	*	*	*	*	*	*
Department of Veterans Affairs	7.6	3.9	3.7	4.6	1.5	12.4	8.2	5.5	4.8	5.2	7.2
Other agencies											
Agency for International Development	12.8	14.0	14.4	12.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Environmental Protection Agency	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	4.8	3.0
General Services Administration	0.0	0.7	0.0	0.0	0.0	0.0	3.6	20.9	7.6	5.5	1.3
National Aeronautics and Space Administration	246.8	299.1	313.9	398.7	531.3	437.9	603.8	770.2	798.4	553.5	515.4
National Science Foundation	64.0	57.3	49.9	56.7	56.7	38.1	56.5	80.9	87.5	110.6	101.0
Smithsonian Institution	0.9	1.5	1.6	1.6	2.8	4.6	4.5	1.2	1.2	6.2	6.0
Tennessee Valley Authority	0.3	0.6	0.4	0.5	0.2	4.9	3.7	4.6	1.0	0.0	0.0
U.S. Arms Control and Disarmament Agency	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

* = amount greater than 0 but less than \$50,000.

na = not applicable (agency or subagency did not exist as such or in that organization in that year).

NOTES: Because of rounding, detail may not add to total. Data for only those agencies and subdivisions that had outlays in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 101. Federal outlays for R&D plant, by agency: FY 1996–2006

(Dollars in millions)

Agency	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
All agencies	1,865.6	1,994.8	1,834.2	2,028.7	4,269.7	4,356.5	4,388.3	4,157.9	3,855.6	3,892.6	3,665.7
Departments											
Department of Agriculture	102.6	122.3	159.1	166.6	108.4	115.2	107.0	77.1	113.2	130.7	141.6
Agricultural Research Service	67.5	70.9	95.0	113.9	96.4	102.2	92.0	61.1	94.2	116.7	123.6
Animal and Plant Health Inspection Service	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cooperative State Research, Education, and Extension Service	31.1	49.3	61.5	40.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Forest Service	2.5	2.0	2.6	12.0	12.0	13.0	15.0	16.0	19.0	14.0	18.0
Department of Commerce	26.9	70.5	42.5	36.3	20.7	49.4	118.9	93.1	80.2	63.0	40.9
National Institute of Standards and Technology	26.9	48.9	42.5	36.3	20.7	49.3	118.9	77.3	49.2	20.0	26.9
National Oceanic and Atmospheric Administration	0.0	21.6	0.0	0.0	0.0	0.1	0.0	15.7	31.0	43.0	14.0
Department of Defense	114.7	52.4	39.7	127.6	40.0	61.6	369.4	237.2	187.7	275.9	181.8
Defense agencies and activities	28.3	5.3	9.0	18.8	2.8	2.2	282.3	137.9	66.6	138.6	37.6
Department of the Air Force	54.2	25.4	3.7	73.1	2.4	9.8	5.4	6.8	9.7	9.5	9.8
Materiel Command	na	na	na	na	na	na	5.4	6.8	9.7	9.5	9.8
Department of the Army	5.6	4.8	4.1	4.1	1.7	0.3	0.1	0.0	0.0	0.0	0.0
Department of the Navy	26.6	16.9	22.9	31.5	33.1	49.3	81.6	92.5	111.5	127.8	134.3
Department of Education	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Energy	809.9	806.7	776.3	801.9	806.7	876.5	1,024.3	1,051.8	1,025.9	888.3	841.0
Energy Efficiency and Renewable Energy	NA	NA	NA	NA	NA	NA	4.9	6.2	19.8	22.4	34.8
Fossil Energy	NA	NA	NA	NA	NA	NA	9.3	2.9	6.0	6.1	2.1
National Nuclear Security Administration	NA	NA	NA	NA	NA	NA	412.4	446.8	425.9	310.2	302.2
Defense Programs	NA	NA	NA	NA	NA	NA	397.3	419.9	407.8	265.5	255.0
Naval Reactors	NA	NA	NA	NA	NA	NA	15.1	26.8	18.2	44.6	47.2
Office of Science	NA	NA	NA	NA	NA	NA	597.8	596.0	574.3	549.7	501.9
Department of Health and Human Services	140.5	120.5	156.9	223.4	219.7	294.3	244.3	817.1	428.6	299.2	122.7
Food and Drug Administration	5.5	8.7	13.0	2.5	2.6	3.0	10.2	8.6	6.5	1.9	2.2
Health Resources and Services Administration	0.7	0.7	0.9	0.6	0.6	0.6	0.6	0.3	0.6	0.6	0.6
National Institutes of Health	134.3	111.1	143.0	220.3	216.5	290.6	233.4	808.2	421.4	296.7	119.8
Department of Homeland Security	na	na	na	na	na	na	na	NA	56.3	150.6	181.1
Science and Technology Directorate	na	na	na	na	na	na	na	NA	55.3	149.6	181.1
U.S. Coast Guard	na	na	na	na	na	na	na	NA	1.0	1.0	0.0
Department of the Interior	2.1	6.6	1.6	1.5	1.4	2.1	2.1	3.6	7.6	7.8	7.3
Bureau of Reclamation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	5.3	5.3	4.8
Geological Survey	1.1	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Minerals Management Service	1.0	1.8	1.6	1.5	1.4	2.1	2.1	2.1	2.3	2.5	2.6

TABLE 101. Federal outlays for R&D plant, by agency: FY 1996–2006

(Dollars in millions)

Agency	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
Department of Transportation	14.2	20.8	21.3	15.5	12.9	4.8	51.4	7.3	14.8	16.1	18.2
Federal Aviation Administration	6.0	18.0	18.9	14.3	12.6	4.0	14.0	6.0	14.0	15.0	17.0
Federal Highway Administration	6.1	2.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Federal Railroad Administration	1.6	0.0	1.0	0.9	0.0	0.6	1.1	1.3	0.8	1.1	1.2
Transportation Security Administration	na	na	na	na	na	na	36.0	na	na	na	na
U.S. Coast Guard	0.5	0.3	0.3	0.3	0.3	0.3	0.3	na	na	na	na
Department of the Treasury	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Customs Service	0.1	0.1	0.1	0.1	0.1	0.0	0.0	na	na	na	na
U.S. Secret Service	*	0.0	0.0	0.0	0.0	0.0	0.0	na	na	na	na
Department of Veterans Affairs	8.5	8.3	1.2	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3
Other agencies											
Environmental Protection Agency	0.0	22.0	21.0	61.0	20.0	30.0	0.0	0.0	0.0	0.0	0.0
General Services Administration	4.1	1.6	0.0	0.0	0.1	0.6	*	0.0	0.0	0.0	0.1
National Aeronautics and Space Administration	480.0	442.0	320.0	337.0	2,867.0	2,723.0	2,197.0	1,595.8	1,580.8	1,659.8	1,742.8
National Science Foundation	158.0	318.0	292.0	255.0	170.0	196.0	271.0	272.0	357.0	392.0	371.0
Smithsonian Institution	4.0	3.0	2.5	2.5	2.5	2.5	2.5	2.5	3.0	9.0	17.0

* = amount greater than 0 but less than \$50,000.

na = not applicable (agency or subagency did not exist as such or in that organization in that year).

NA = not available (data collected for this table were not recorded at that level in that particular fiscal year).

NOTES: Because of rounding, detail may not add to total. Data for only those agencies and subdivisions that had outlays in variables represented by this table appear in table. In FY 2000, National Aeronautics and Space Administration reclassified Space Station as a physical asset, reclassified Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 102. Federal obligations for research, development, and R&D plant, by agency: FY 1985-95

(Dollars in millions)

Agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
All agencies	50,180.4	52,951.2	57,099.7	58,826.5	63,571.6	65,831.2	64,148.0	68,577.2	70,414.7	69,450.8	70,442.9
Departments											
Department of Agriculture	983.6	1,007.9	1,059.6	1,151.8	1,127.5	1,210.6	1,381.3	1,491.8	1,470.2	1,525.6	1,523.6
Agricultural Cooperative Service	2.9	2.6	2.7	2.7	2.8	2.7	2.8	3.4	2.9	3.7	na
Agricultural Marketing Service	1.7	1.6	1.5	1.6	1.5	2.7	4.2	4.7	4.7	4.8	4.8
Agricultural Research Service	498.7	532.6	522.4	561.2	578.7	589.9	655.7	725.2	705.5	757.0	751.0
Animal and Plant Health Inspection Service	0.0	4.2	4.9	6.2	7.7	14.0	15.7	16.7	17.1	19.2	19.1
Cooperative State Research, Education, and Extension Service	294.3	278.6	338.3	374.7	339.4	371.1	438.3	481.2	479.2	471.6	489.0
Economic Research Service	46.4	44.6	44.8	48.1	49.5	50.5	54.4	58.9	58.9	55.2	53.8
Foreign Agricultural Service	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.9
Forest Service	114.8	114.0	127.1	138.4	133.0	163.5	193.1	184.3	186.3	198.0	197.8
Grain Inspection, Packers, and Stockyards Administration	0.9	1.0	1.2	1.0	1.1	0.6	0.7	1.5	1.8	1.8	1.5
Human Nutrition Information Service	6.7	12.8	6.8	8.2	8.4	9.0	9.9	10.7	8.4	7.0	na
National Agricultural Statistics Service	8.4	8.0	3.4	3.6	2.9	2.8	3.2	3.6	3.9	3.9	4.0
Office of International Cooperation and Development	7.7	7.0	5.6	5.0	2.5	3.6	3.1	1.5	1.5	0.0	na
Office of Transportation	1.2	1.0	1.1	1.1	na	na	na	na	na	na	na
Rural Business-Cooperative Service	na	na	na	na	na	na	na	na	na	2.4	1.6
Department of Commerce	403.0	408.4	407.5	400.2	407.0	453.5	505.4	672.2	681.7	857.3	1,213.7
Economic Development Administration	13.0	10.3	5.0	4.2	1.0	1.2	1.4	0.5	0.0	0.6	0.5
National Institute of Standards and Technology	104.7	108.5	100.7	118.7	124.2	131.0	148.4	190.2	219.8	284.1	640.5
National Oceanic and Atmospheric Administration	269.8	276.2	289.3	263.5	269.1	306.7	345.3	472.2	452.4	562.9	561.4
National Telecommunications and Information Administration	9.1	8.4	7.8	8.1	7.8	7.7	3.6	4.0	4.2	4.8	6.4
Office of the Secretary	1.4	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*
U.S. Census Bureau	4.9	4.7	4.7	5.7	4.9	6.9	6.6	5.3	5.4	4.8	4.9
Department of Defense	30,322.4	33,224.1	35,708.7	35,684.6	38,076.2	37,755.5	32,560.5	36,526.0	36,220.7	34,818.9	33,856.8
Defense agencies and activities	2,786.3	4,771.9	5,291.8	5,957.3	6,973.3	6,996.8	7,200.9	7,670.5	7,723.3	7,367.8	7,369.1
Department of the Air Force	13,552.2	13,723.9	15,618.0	15,011.0	15,487.6	15,153.6	11,089.8	13,606.8	12,866.9	12,626.8	11,835.7
Department of the Army	4,623.7	4,863.3	5,085.2	4,898.8	5,704.5	5,737.2	6,172.5	6,876.2	6,227.2	5,576.2	5,424.7
Department of the Navy	9,309.5	9,747.9	9,576.8	9,588.9	9,755.7	9,646.6	7,860.0	8,126.8	9,148.3	9,005.1	8,974.5
Operational Test and Evaluation, Director	na	0.0	8.4	68.2	14.4	32.6	13.6	12.4	12.3	11.2	21.7
Test and Evaluation, Deputy Under Secretary of Defense	50.6	117.1	128.5	160.3	140.7	188.7	223.7	233.2	242.5	231.8	231.0

TABLE 102. Federal obligations for research, development, and R&D plant, by agency: FY 1985-95

(Dollars in millions)

Agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Department of Education	126.0	127.9	153.5	145.9	161.0	178.8	175.2	170.9	179.9	178.4	179.4
Department of Energy	5,834.4	5,430.6	5,529.4	5,951.4	6,065.6	6,546.6	7,203.2	7,493.0	7,723.7	6,959.8	6,890.0
Department of Health and Human Services	5,493.2	5,695.5	6,643.0	7,177.6	7,981.4	8,513.4	9,842.3	9,084.6	10,498.5	11,141.7	11,711.0
Administration for Children and Families	na	na	na	na	na	na	129.0	39.2	19.9	11.3	12.0
Administration on Aging	na	na	na	na	na	na	20.6	20.2	20.9	19.1	20.7
Agency for Healthcare Research and Quality	na	na	na	na	na	49.7	101.1	106.3	114.8	154.4	135.3
Alcohol, Drug Abuse, and Mental Health Administration	377.9	396.6	476.1	554.8	695.7	842.7	1,460.6	na	na	na	na
Centers for Disease Control and Prevention	47.6	52.2	66.2	88.7	117.8	95.6	113.4	146.9	162.5	206.8	317.4
Centers for Medicare and Medicaid Services	33.5	29.0	27.3	28.2	49.1	49.1	69.1	75.5	68.2	80.0	74.5
Food and Drug Administration	95.1	87.4	85.8	91.5	122.0	122.0	143.5	150.0	174.2	177.8	175.8
Health Resources and Services Administration	19.7	12.3	9.3	10.0	10.5	11.9	11.0	10.5	11.0	17.8	14.8
Human Development Services	24.3	54.6	53.0	54.0	101.7	95.4	na	na	na	na	na
National Institutes of Health	4,856.5	5,034.5	5,886.2	6,309.9	6,833.8	7,221.3	7,763.4	8,491.4	9,893.3	10,439.9	10,930.6
Office of the Assistant Secretary for Health	18.6	17.3	21.2	21.0	27.2	6.9	10.0	6.7	1.2	0.8	0.3
Office of the Secretary	9.6	6.1	8.2	4.7	7.8	5.0	8.8	5.0	8.0	11.7	9.1
Social Security Administration	10.4	5.6	9.8	14.7	15.8	13.9	11.9	33.0	24.5	22.2	20.4
Department of Housing and Urban Development	18.5	15.3	16.3	18.4	18.0	19.3	27.8	25.1	23.6	39.6	41.8
Department of the Interior	395.9	389.6	415.7	426.1	479.8	522.6	615.1	627.6	642.2	703.1	568.3
Bureau of Land Management	4.4	3.4	3.7	3.7	3.0	2.8	8.8	6.3	8.9	0.0	0.0
Bureau of Mines	89.9	84.4	88.8	91.3	101.2	102.3	108.2	107.1	111.9	107.9	0.0
Bureau of Reclamation	13.2	10.2	10.7	4.4	4.2	5.8	8.7	13.2	10.3	7.4	8.0
Geological Survey	215.7	219.5	227.6	236.9	281.1	309.7	359.8	365.7	360.4	377.4	367.4
Minerals Management Service	1.4	1.1	1.0	1.2	2.2	2.0	2.9	4.8	6.9	21.8	21.0
National Biological Service	na	na	na	na	na	na	na	na	0.0	164.2	152.1
National Park Service	15.0	17.3	18.5	19.4	19.4	20.1	27.5	31.1	38.1	24.2	19.7
Office of Surface Mining Reclamation and Enforcement	2.0	2.3	1.0	1.0	0.7	0.7	1.0	0.3	0.5	0.0	0.0
Office of the Secretary	1.9	1.0	0.0	0.4	0.4	0.2	0.6	0.9	0.4	0.1	*
U.S. Fish and Wildlife Service	52.4	50.5	64.3	67.8	67.5	78.9	97.6	98.2	104.8	0.0	0.0
Department of Justice	36.0	36.5	53.5	43.1	38.2	40.5	48.9	48.0	48.9	45.0	57.9
Bureau of Prisons	1.5	3.0	7.1	6.0	5.1	4.5	5.2	5.9	6.1	5.4	5.7
Drug Enforcement Administration	1.6	2.5	2.2	2.5	2.7	2.4	2.7	1.4	0.9	0.9	0.4
Federal Bureau of Investigation	9.5	7.2	19.1	12.7	7.7	8.2	10.8	10.9	11.3	7.0	10.9
Immigration and Naturalization Service	0.4	0.4	0.4	0.3	0.1	0.4	0.4	0.4	0.4	0.4	0.4
Office of Justice Programs	22.7	23.2	24.6	21.5	22.5	25.0	29.8	29.4	30.2	31.4	40.5
Office of Legal Policy	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 102. Federal obligations for research, development, and R&D plant, by agency: FY 1985-95

(Dollars in millions)

Agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Department of Labor	13.3	10.4	21.6	35.6	35.4	73.0	44.0	51.7	55.0	59.7	55.4
Bureau of Labor Statistics	0.6	0.6	6.5	7.0	7.0	7.3	7.5	7.6	6.9	7.1	14.8
Employee Benefits Security Administration	1.6	0.3	1.0	2.7	1.4	2.1	2.5	2.6	2.6	2.7	3.6
Employment and Training Administration	3.5	3.5	5.7	14.9	15.7	53.4	22.1	31.7	35.9	40.0	25.6
Employment Standards Administration	*	0.0	1.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Labor-Management Relations and Cooperative Programs	0.3	0.2	0.3	0.4	0.3	na	na	na	na	na	na
Occupational Safety and Health Administration	4.5	3.6	4.1	4.2	4.5	2.5	2.6	3.1	2.5	3.3	4.4
Office of the Secretary	2.6	2.1	2.7	6.1	6.1	7.1	8.7	5.9	5.8	5.3	6.3
Pension Benefit Guaranty Corporation	0.2	0.1	0.3	0.3	0.3	0.5	0.5	0.9	1.3	1.3	0.8
Department of State	1.5	1.5	3.0	4.2	4.7	4.7	5.9	5.6	5.3	0.4	0.5
Department of Transportation	437.9	397.5	336.2	318.5	318.9	388.3	398.3	470.3	577.6	661.7	755.8
Federal Aviation Administration	294.8	271.5	177.7	173.8	162.3	237.5	236.4	260.2	271.3	318.6	310.1
Federal Highway Administration	49.0	46.1	76.9	74.1	91.0	91.5	86.9	131.0	175.7	242.0	315.6
Federal Railroad Administration	15.0	15.4	11.2	10.4	9.0	10.2	17.6	22.8	26.8	20.6	30.1
Federal Transit Administration	10.2	8.2	12.6	2.3	1.4	1.6	1.7	1.7	31.3	19.9	28.7
Maritime Administration	13.9	9.4	5.8	0.5	0.0	0.9	1.7	1.8	1.7	1.7	2.5
National Highway Traffic Safety Administration	28.6	22.9	28.4	28.3	29.7	16.9	21.4	25.8	31.6	25.3	39.7
Office of the Secretary	4.8	5.1	4.5	5.7	5.5	6.8	4.3	4.1	4.5	5.4	3.9
Pipeline and Hazardous Materials Safety Administration	2.7	2.0	2.1	2.1	2.0	2.4	2.4	2.5	1.3	5.3	5.0
U.S. Coast Guard	19.0	16.9	17.0	21.4	17.9	20.6	25.9	20.5	33.4	22.8	20.2
Department of the Treasury	24.4	24.2	27.0	26.2	25.7	25.7	31.0	24.8	16.8	19.1	61.5
Bureau of Engraving and Printing	5.0	4.2	4.5	2.0	1.7	2.1	3.5	2.0	3.2	1.7	1.8
Financial Crimes Enforcement Network	0.0	0.0	0.0	0.0	0.0	0.0	2.3	1.2	1.5	0.0	0.0
Internal Revenue Service	15.9	14.2	14.6	14.4	14.4	16.8	17.9	17.9	6.5	11.3	49.7
Office of Thrift Supervision	na	na	na	na	na	0.0	3.0	0.8	0.7	0.5	0.6
U.S. Customs Service	2.3	4.9	7.1	9.3	6.9	6.3	3.8	2.3	4.1	4.6	8.6
U.S. Mint	0.6	0.3	0.2	0.1	2.0	0.1	0.1	0.0	0.1	0.5	0.3
U.S. Secret Service	0.6	0.5	0.5	0.4	0.6	0.5	0.4	0.6	0.6	0.5	0.6
Department of Veterans Affairs	229.9	191.0	215.4	234.8	245.7	241.0	220.0	229.6	239.5	259.7	245.1
Other agencies											
Advisory Commission on Intergovernmental Relations	2.4	2.1	1.9	1.8	1.1	1.5	1.7	1.7	2.1	1.4	1.4
Agency for International Development	227.2	258.7	224.3	210.6	279.1	334.6	377.7	365.9	382.2	254.3	302.5
Appalachian Regional Commission	0.2	0.2	0.1	0.2	0.8	0.4	0.7	1.9	0.9	0.9	0.9
Consumer Product Safety Commission	2.4	2.0	2.2	1.1	1.3	1.1	1.3	1.1	1.2	0.3	0.4

TABLE 102. Federal obligations for research, development, and R&D plant, by agency: FY 1985-95

(Dollars in millions)

Agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Environmental Protection Agency	320.4	317.3	348.2	347.4	380.3	419.7	432.6	483.9	497.8	558.3	556.3
Federal Communications Commission	1.2	0.9	1.0	1.2	1.1	1.3	1.4	1.6	1.6	1.7	2.3
Federal Emergency Management Agency	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Federal Trade Commission	1.7	1.8	0.5	0.4	0.4	0.5	1.0	1.3	0.9	0.7	0.6
General Services Administration	0.4	20.0	1.6	2.3	0.5	19.5	22.6	6.5	1.0	0.3	5.1
Library of Congress	7.1	6.6	6.5	7.1	8.0	8.4	9.0	10.3	10.5	10.0	10.2
National Aeronautics and Space Administration	3,561.5	3,694.8	4,096.5	4,758.6	5,913.0	7,060.3	8,003.8	8,475.4	8,769.2	8,811.5	9,639.7
National Archives and Records Administration	0.5	1.0	1.1	0.7	0.3	0.4	0.7	0.7	0.3	0.3	0.1
National Science Foundation	1,419.1	1,406.5	1,531.8	1,589.6	1,724.0	1,728.8	1,944.8	1,970.0	2,012.3	2,212.2	2,438.9
Nuclear Regulatory Commission	150.0	123.8	122.5	108.5	114.8	108.8	108.8	119.0	119.8	90.7	88.2
Office of Thrift Supervision	2.8	3.3	3.4	3.4	4.1	4.1	na	na	na	na	na
Smithsonian Institution	72.7	64.0	74.4	75.8	83.6	88.8	99.5	101.8	107.0	129.2	129.0
Tennessee Valley Authority	80.0	78.3	78.2	87.7	62.8	69.8	73.1	100.5	109.6	97.9	93.1
U.S. Arms Control and Disarmament Agency	1.1	0.9	4.6	3.4	2.8	0.2	0.4	2.1	1.5	1.3	1.1
U.S. Information Agency	0.1	2.0	3.5	0.4	0.1	0.5	0.1	0.0	1.1	0.6	0.3
U.S. International Trade Commission	5.8	6.9	7.2	8.1	8.7	9.1	9.9	12.3	12.2	9.4	12.2

* = amount greater than 0 but less than \$50,000.

na = not applicable (agency or subagency did not exist as such or in that organization in that year).

NOTES: Because of rounding, detail may not add to total. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 103. Federal obligations for research, development, and R&D plant, by agency: FY 1996–2006

(Dollars in millions)

Agency	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
All agencies	69,399.2	71,753.4	73,914.0	77,386.4	77,356.2	84,003.0	90,157.7	97,927.9	105,370.7	113,118.4	112,076.0
Departments											
Department of Agriculture	1,428.7	1,572.8	1,530.8	1,745.2	1,833.5	2,076.0	2,090.6	2,136.0	2,281.6	2,510.2	2,035.0
Agricultural Marketing Service	4.9	4.8	4.7	4.7	5.1	4.8	5.2	4.8	9.0	9.0	6.6
Agricultural Research Service	743.1	806.6	844.2	973.6	959.3	1,098.3	1,163.6	1,143.2	1,258.6	1,292.4	1,060.9
Animal and Plant Health Inspection Service	19.5	19.8	20.5	20.4	20.6	25.4	23.7	28.0	24.4	25.6	22.6
Cooperative State Research, Education, and Extension Service	418.9	496.7	387.3	463.1	535.0	615.1	546.7	568.1	585.7	749.9	525.8
Economic Research Service	53.0	53.0	71.5	62.5	64.2	65.6	67.0	68.4	70.8	74.2	80.7
Food Safety Inspection Service	*	*	0.2	0.7	2.3	2.6	0.0	0.0	0.0	0.0	0.0
Foreign Agricultural Service	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.6	1.6	1.6	1.6
Forest Service	180.4	181.8	190.4	209.0	235.0	250.0	268.0	307.2	314.9	340.6	320.4
Grain Inspection, Packers, and Stockyards Administration	2.5	2.8	2.7	2.7	3.6	6.1	6.0	5.3	6.7	7.1	8.5
National Agricultural Statistics Service	3.8	3.4	3.3	3.6	3.9	4.2	4.6	5.5	6.1	6.2	6.2
Rural Business-Cooperative Service	1.4	2.5	4.4	3.5	3.1	2.4	4.2	3.8	3.8	3.7	1.7
Department of Commerce	1,152.0	1,046.5	970.0	1,009.8	1,237.1	1,021.7	1,180.5	1,267.0	1,148.6	1,171.7	985.4
Economic Development Administration	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.2	0.5	0.0
National Institute of Standards and Technology	601.0	482.1	415.7	421.8	604.7	445.7	480.5	525.1	481.6	489.9	417.2
National Oceanic and Atmospheric Administration	528.5	530.9	519.5	547.2	597.1	501.0	651.3	695.4	618.5	653.0	532.4
National Telecommunications and Information Administration	15.7	27.8	25.5	25.2	21.8	50.4	19.6	23.5	24.2	6.3	9.2
Office of the Secretary	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Census Bureau	6.3	5.1	8.6	15.0	13.0	24.0	28.7	22.5	24.2	22.0	26.6
Department of Defense	34,582.2	34,873.8	35,352.0	35,753.4	33,215.2	35,570.0	37,922.2	42,282.6	47,369.6	52,819.1	52,609.2
Defense agencies and activities	7,742.0	7,509.1	7,981.9	7,476.0	7,195.9	9,380.8	12,359.8	12,640.9	13,188.7	15,731.4	14,658.3
Department of the Air Force	13,066.5	13,990.6	13,865.2	14,069.5	11,060.5	10,024.6	6,907.9	8,399.8	9,640.6	9,457.5	10,707.2
Materiel Command	na	na	na	na	na	na	4,651.3	5,602.9	6,595.4	6,568.0	7,061.2
Space Command	na	na	na	na	na	na	2,256.5	2,797.0	3,045.2	2,889.5	3,646.0
Department of the Army	4,879.7	4,825.2	5,041.7	5,043.5	5,323.7	6,223.7	7,076.6	7,609.5	9,223.0	9,871.0	9,040.5
Department of the Navy	8,614.4	8,252.5	8,190.8	8,862.4	9,345.1	9,710.3	11,344.5	13,396.6	15,019.3	17,449.2	18,024.5
Operational Test and Evaluation, Director	21.9	26.6	30.3	44.7	32.9	205.3	233.5	235.7	298.2	310.0	178.6
Test and Evaluation, Deputy Under Secretary of Defense	257.7	269.7	242.0	257.3	257.0	25.3	na	na	na	na	na

TABLE 103. Federal obligations for research, development, and R&D plant, by agency: FY 1996–2006

(Dollars in millions)

Agency	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
Department of Education	173.7	181.2	204.5	223.7	247.3	277.6	285.6	302.9	311.4	295.6	314.7
Department of Energy	6,050.8	6,332.8	6,600.9	6,875.9	6,873.8	7,651.4	8,072.2	8,436.0	8,560.5	9,150.5	8,290.6
Bonneville Power Administration	NA	NA	NA	NA	NA	NA	22.9	23.3	24.7	24.9	25.9
Civilian Radioactive Waste Management	NA	NA	NA	NA	NA	NA	62.5	75.8	78.9	62.7	43.7
Energy Efficiency and Renewable Energy	NA	NA	NA	NA	NA	NA	744.7	688.5	603.6	581.6	645.0
Environmental Management	NA	NA	NA	NA	NA	NA	160.3	69.4	42.8	54.2	61.4
Fossil Energy	NA	NA	NA	NA	NA	NA	373.5	643.8	532.3	1,083.2	478.9
National Nuclear Security Administration	NA	NA	NA	NA	NA	NA	3,728.3	3,923.3	4,036.3	3,927.4	3,757.6
Defense Programs	NA	NA	NA	NA	NA	NA	2,770.0	2,996.7	3,135.1	3,010.3	2,860.4
Fissile Materials Disposition	NA	NA	NA	NA	NA	NA	27.4	25.1	1.0	0.0	0.0
Naval Reactors	NA	NA	NA	NA	NA	NA	665.5	678.0	736.9	774.3	754.3
Nonproliferation and Verification	NA	NA	NA	NA	NA	NA	265.4	223.5	163.3	142.9	142.9
Nuclear Energy	NA	NA	NA	NA	NA	NA	42.5	47.1	74.3	81.8	94.1
Office of Intelligence	NA	NA	NA	NA	NA	NA	5.3	4.0	0.0	0.0	0.0
Office of Science	NA	NA	NA	NA	NA	NA	2,932.2	2,960.7	3,167.8	3,334.5	3,184.0
Department of Health and Human Services	12,084.2	13,045.3	14,187.9	16,167.6	18,645.5	21,641.9	24,259.1	27,214.8	28,563.8	29,010.0	29,087.5
Administration for Children and Families	12.6	17.4	23.5	24.9	27.3	28.4	23.3	20.9	20.1	20.6	21.0
Administration on Aging	3.7	4.4	10.4	18.5	2.8	3.7	3.7	0.0	3.0	3.0	0.0
Agency for Healthcare Research and Quality	125.2	144.0	146.5	182.3	198.8	269.7	298.7	308.7	303.7	318.7	318.7
Agency for Toxic Substances and Disease Registry	na	na	na	na	14.7	13.1	12.4	14.3	10.7	9.5	9.8
Centers for Disease Control and Prevention	296.7	323.0	343.6	433.3	505.0	544.0	521.0	564.0	539.8	485.2	485.2
Centers for Medicare and Medicaid Services	52.7	43.6	51.2	49.7	61.5	138.0	117.0	73.6	77.6	78.1	45.2
Food and Drug Administration	176.4	173.1	171.0	133.4	146.7	160.4	149.7	145.6	140.8	150.6	151.8
Health Resources and Services Administration	11.8	13.8	13.8	13.4	36.2	51.6	54.7	43.5	48.0	52.8	21.4
National Institutes of Health	11,377.9	12,237.9	13,137.5	15,005.0	17,134.8	19,771.3	22,343.5	25,964.6	27,311.8	27,783.5	27,924.6
Office of the Secretary	10.7	19.0	17.0	17.7	19.8	27.4	17.4	22.5	21.1	19.0	19.0
Office of Public Health and Science	1.7	0.6	3.1	3.8	3.1	2.5	2.5	2.6	0.0	0.0	0.0
Office of the Assistant Secretary, Planning and Evaluation	9.0	18.4	13.9	13.9	16.7	24.9	14.9	19.9	21.1	19.0	19.0
Substance Abuse and Mental Health Services Administration	16.7	69.1	273.4	289.3	497.8	634.3	717.6	57.2	87.2	88.9	90.7
Department of Homeland Security	na	na	na	na	na	na	na	NA	1,063.2	1,632.1	1,628.1
Science and Technology Directorate	na	na	na	na	na	na	na	NA	908.4	1,412.0	1,418.0
Transportation Security Administration	na	na	na	na	na	na	na	NA	137.9	194.2	209.0
U.S. Coast Guard	na	na	na	na	na	na	na	NA	16.0	24.7	0.0
U.S. Secret Service	na	na	na	na	na	na	na	NA	1.0	1.1	1.1

TABLE 103. Federal obligations for research, development, and R&D plant, by agency: FY 1996–2006

(Dollars in millions)

Agency	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
Department of Housing and Urban Development	33.1	33.5	28.0	57.0	45.6	52.9	45.3	39.0	46.6	47.3	41.5
Department of the Interior	569.5	587.1	533.5	642.9	581.2	622.1	634.9	600.3	612.5	600.5	568.4
Bureau of Reclamation	6.5	7.1	8.8	10.3	9.8	9.7	10.4	11.0	16.3	19.0	14.7
Geological Survey	520.1	531.2	464.1	579.1	506.1	572.6	565.0	550.2	552.2	540.5	519.2
Minerals Management Service	22.6	22.8	30.8	30.1	30.5	27.0	33.3	28.8	29.8	30.5	27.7
National Park Service	20.2	26.0	29.7	23.4	34.7	12.9	26.2	10.3	14.3	10.5	6.7
Department of Justice	77.3	84.7	100.6	118.6	80.5	103.4	99.2	148.2	105.3	112.6	129.2
Bureau of Prisons	5.2	4.6	8.1	11.0	7.8	14.1	8.7	9.7	10.8	10.5	10.5
Drug Enforcement Administration	1.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Federal Bureau of Investigation	33.5	35.5	35.8	36.3	10.0	19.0	33.6	42.8	34.0	33.5	34.3
Immigration and Naturalization Service	0.2	0.4	0.0	0.2	0.6	0.9	0.0	na	na	na	na
Office of Justice Programs	37.2	44.2	56.7	71.1	62.2	69.3	56.9	95.7	60.5	68.6	84.4
Department of Labor	52.4	35.1	27.8	54.1	83.7	97.4	166.4	189.1	199.4	228.7	235.1
Bureau of Labor Statistics	13.3	12.6	12.4	12.4	12.3	21.5	20.7	20.6	22.4	23.0	23.0
Employee Benefits Security Administration	2.3	2.0	2.7	2.5	2.7	3.3	2.7	2.7	2.5	2.7	2.7
Employment and Training Administration	26.9	14.1	7.2	33.8	60.9	60.9	137.1	160.0	170.0	198.0	204.0
Occupational Safety and Health Administration	6.6	5.5	4.6	3.8	5.8	5.7	3.8	3.1	3.4	3.4	3.5
Office of the Secretary	2.6	0.2	0.2	1.0	1.3	5.3	1.2	1.8	0.2	0.1	0.1
Pension Benefit Guaranty Corporation	0.7	0.7	0.6	0.7	0.7	0.7	0.7	0.9	0.9	1.4	1.8
Department of State	0.9	1.0	0.9	1.5	1.5	2.2	2.3	2.3	3.0	2.3	2.4
Department of Transportation	584.3	545.9	583.7	681.5	479.3	690.5	867.2	711.8	647.0	744.2	790.8
Federal Aviation Administration	228.9	226.3	242.3	219.6	230.5	300.6	359.6	262.6	234.2	250.2	220.1
Federal Highway Administration	247.3	211.2	229.3	333.2	126.7	240.8	258.3	305.2	323.4	335.0	441.4
Federal Motor Carrier Safety Administration	na	na	na	na	3.9	11.4	3.7	6.8	6.4	8.3	9.6
Federal Railroad Administration	30.1	19.5	22.6	20.9	27.4	26.2	34.1	33.1	29.9	36.7	30.1
Federal Transit Administration	13.7	17.0	17.6	20.5	8.9	8.0	5.8	7.1	4.6	7.6	2.3
National Highway Traffic Safety Administration	33.2	36.4	41.6	50.4	50.6	58.3	59.6	65.4	6.7	61.1	62.4
Office of the Secretary	2.8	3.5	3.4	9.1	4.0	13.0	18.4	21.0	31.8	21.0	9.0
Pipeline and Hazardous Materials Safety Administration	7.7	8.7	6.3	7.3	6.9	8.4	10.2	10.6	10.0	21.7	12.1
Research and Innovative Technology Administration	na	na	na	na	na	na	na	na	0.0	2.5	3.8
Transportation Security Administration	na	na	na	na	na	na	95.0	na	na	na	na
U.S. Coast Guard	20.5	23.3	20.7	20.5	20.3	23.8	22.4	na	na	na	na

TABLE 103. Federal obligations for research, development, and R&D plant, by agency: FY 1996–2006

(Dollars in millions)

Agency	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
Department of the Treasury	60.2	59.8	65.2	64.8	61.5	67.7	74.4	60.0	62.4	67.8	69.9
Bureau of Engraving and Printing	1.7	1.7	2.8	2.1	2.8	4.7	7.1	4.9	4.2	6.2	6.1
Internal Revenue Service	51.2	50.8	52.0	55.8	54.4	57.3	55.5	54.4	57.3	57.5	59.5
Office of Thrift Supervision	0.5	0.6	0.7	0.1	0.1	0.1	0.1	0.0	na	na	na
U.S. Customs Service	6.3	6.3	9.2	5.4	1.9	4.0	10.6	na	na	na	na
U.S. Mint	0.0	*	0.1	0.8	1.3	0.8	0.3	0.7	1.0	4.1	4.3
U.S. Secret Service	0.5	0.4	0.5	0.5	1.0	0.7	0.8	na	na	na	na
Department of Veterans Affairs	259.9	284.0	277.5	339.4	342.0	345.3	329.2	365.7	405.6	402.3	393.0
Other agencies											
Agency for International Development	223.0	206.4	212.0	203.0	218.8	267.0	269.8	286.0	264.8	256.6	256.6
Appalachian Regional Commission	0.9	0.9	0.7	0.8	0.6	0.7	0.7	0.7	0.6	0.8	0.8
Broadcasting Board of Governors	na	na	na	na	0.1	*	0.3	0.0	1.0	0.3	*
Consumer Product Safety Commission	*	0.1	0.0	0.0	0.0	0.1	0.0	0.0	na	na	na
Environmental Protection Agency	464.3	517.2	637.2	668.8	523.2	472.5	415.2	567.1	661.9	572.2	568.2
Federal Communications Commission	2.8	3.1	3.0	4.5	2.8	2.7	4.4	4.5	8.5	7.2	6.6
Federal Trade Commission	0.5	0.7	1.1	1.3	0.7	0.7	1.8	2.3	1.6	1.6	1.6
General Services Administration	0.1	*	0.0	0.0	0.0	*	0.0	0.0	0.0	0.0	*
Library of Congress	10.6	2.4	1.5	2.4	2.5	3.1	3.0	1.8	18.0	9.1	1.7
National Aeronautics and Space Administration	8,987.5	9,661.1	9,918.0	9,885.2	9,754.9	9,524.2	9,726.5	9,158.2	8,654.1	9,180.0	9,637.9
National Archives and Records Administration	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
National Science Foundation	2,375.5	2,452.3	2,473.7	2,679.6	2,942.1	3,328.7	3,500.8	3,943.8	4,166.0	4,057.3	4,170.0
Nuclear Regulatory Commission	70.9	62.1	51.7	49.0	53.0	53.0	74.3	64.0	72.1	70.8	61.4
Smithsonian Institution	132.0	134.0	123.0	93.0	101.0	101.0	109.0	107.0	110.8	117.5	131.1
Social Security Administration	11.5	13.6	17.4	53.3	28.8	28.9	22.8	36.8	30.4	50.0	59.4
Tennessee Valley Authority	6.1	8.9	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Arms Control and Disarmament Agency	0.7	1.2	1.2	na	na	na	na	na	na	na	na
U.S. Information Agency	0.1	0.2	0.3	0.1	na	na	na	na	na	na	na
U.S. International Trade Commission	3.2	5.7	7.2	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0

* = amount greater than 0 but less than \$50,000.

na = not applicable (agency or subagency did not exist as such or in that organization in that year).

NA = not available (data collected for this table were not recorded at that level in that particular fiscal year).

NOTES: Because of rounding, detail may not add to total. Data for only those agencies and subdivisions that had outlays in variables represented by this table appear in table. In FY 2000, National Aeronautics and Space Administration reclassified Space Station as a physical asset, reclassified Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant; and National Institutes of Health reclassified all of its development activities as research. In FY 2003 Substance Abuse and Mental Health Services Administration reclassified some of its funding categories that were considered R&D in prior years. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 104. Federal obligations for research and development, by agency: FY 1985-95

(Dollars in millions)

Agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
All agencies	48,359.6	51,412.4	55,253.7	56,769.4	61,406.5	63,559.5	61,295.2	65,592.6	67,314.0	67,235.4	68,186.8
Departments											
Department of Agriculture	943.0	928.5	947.9	1,016.6	1,038.3	1,108.4	1,236.6	1,327.1	1,327.8	1,399.9	1,380.2
Agricultural Cooperative Service	2.9	2.6	2.7	2.7	2.8	2.7	2.8	3.4	2.9	3.7	na
Agricultural Marketing Service	1.7	1.6	1.5	1.6	1.5	2.7	4.2	4.7	4.7	4.8	4.8
Agricultural Research Service	469.7	463.4	478.6	505.7	523.5	545.5	591.0	627.1	627.2	678.7	683.3
Animal and Plant Health Inspection Service	0.0	4.2	4.9	5.6	7.4	8.0	15.7	16.7	17.1	19.2	19.1
Cooperative State Research, Education, and Extension Service	284.3	269.0	270.7	298.4	307.3	324.2	376.8	418.2	418.6	429.0	417.7
Economic Research Service	46.4	44.6	44.8	48.1	49.5	50.5	54.4	58.9	58.9	55.2	53.8
Foreign Agricultural Service	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.9
Forest Service	113.1	113.3	126.7	135.5	131.4	158.6	174.7	180.7	182.7	193.1	193.5
Grain Inspection, Packers, and Stockyards Administration	0.9	1.0	1.2	1.0	1.1	0.6	0.7	1.5	1.8	1.8	1.5
Human Nutrition Information Service	6.7	12.8	6.8	8.2	8.4	9.0	9.9	10.7	8.4	7.0	na
National Agricultural Statistics Service	8.4	8.0	3.4	3.6	2.9	2.8	3.2	3.6	3.9	3.9	4.0
Office of International Cooperation and Development	7.7	7.0	5.6	5.0	2.5	3.6	3.1	1.5	1.5	0.0	na
Office of Transportation	1.2	1.0	1.1	1.1	na	na	na	na	na	na	na
Rural Business-Cooperative Service	na	na	na	na	na	na	na	na	na	2.4	1.6
Department of Commerce	398.8	399.2	402.2	388.9	397.9	438.2	489.6	651.2	656.3	826.1	1,136.0
Economic Development Administration	13.0	10.3	5.0	4.2	1.0	1.2	1.4	0.5	0.0	0.6	0.5
National Institute of Standards and Technology	100.5	100.8	98.6	107.9	115.5	122.3	140.0	179.0	207.2	253.2	563.3
National Oceanic and Atmospheric Administration	269.8	274.7	286.1	263.0	268.6	300.1	338.0	462.4	439.5	562.6	560.9
National Telecommunications and Information Administration	9.1	8.4	7.8	8.1	7.8	7.7	3.6	4.0	4.2	4.8	6.4
Office of the Secretary	1.4	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*
U.S. Census Bureau	4.9	4.7	4.7	5.7	4.9	6.9	6.6	5.3	5.4	4.8	4.9
Department of Defense	29,791.5	32,937.9	35,231.5	35,248.9	37,576.9	37,268.1	32,134.8	36,129.5	35,849.1	34,553.2	33,796.3
Defense agencies and activities	2,781.7	4,767.4	5,219.7	5,832.9	6,858.9	6,945.2	7,072.5	7,571.7	7,647.0	7,279.7	7,363.2
Department of the Air Force	13,260.9	13,593.8	15,347.7	14,867.3	15,237.4	14,831.4	10,937.5	13,427.1	12,635.3	12,527.4	11,797.9
Department of the Army	4,570.8	4,809.4	5,019.5	4,806.0	5,659.3	5,684.1	6,081.5	6,854.2	6,209.1	5,574.1	5,419.3
Department of the Navy	9,127.4	9,650.3	9,507.8	9,514.1	9,666.1	9,586.2	7,806.0	8,030.8	9,102.9	8,929.0	8,963.3
Operational Test and Evaluation, Director	na	0.0	8.4	68.2	14.4	32.6	13.6	12.4	12.3	11.2	21.7
Test and Evaluation, Deputy Under Secretary of Defense	50.6	117.1	128.5	160.3	140.7	188.7	223.7	233.2	242.5	231.8	231.0

TABLE 104. Federal obligations for research and development, by agency: FY 1985–95

(Dollars in millions)

Agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Department of Education	124.9	121.3	132.5	140.7	159.1	169.9	171.0	168.5	177.7	176.6	177.6
Department of Energy	4,966.0	4,688.3	4,757.2	5,036.4	5,192.6	5,630.6	5,983.1	6,172.2	6,262.1	6,048.0	6,145.0
Department of Health and Human Services	5,451.0	5,657.6	6,606.3	7,158.0	7,902.8	8,405.6	9,756.0	8,987.8	10,349.2	11,021.5	11,455.2
Administration for Children and Families	na	na	na	na	na	na	129.0	39.2	19.9	11.3	12.0
Administration on Aging	na	na	na	na	na	na	20.6	20.2	20.9	19.1	20.7
Agency for Healthcare Research and Quality	na	na	na	na	na	49.7	101.1	106.3	114.8	154.4	135.3
Alcohol, Drug Abuse, and Mental Health Administration	377.6	396.1	475.5	554.8	695.7	842.7	1,460.6	na	na	na	na
Centers for Disease Control and Prevention	47.6	52.2	66.2	88.7	117.8	95.6	113.4	146.9	162.5	206.8	317.4
Centers for Medicare and Medicaid Services	33.5	29.0	27.3	28.2	49.1	49.1	69.1	75.5	68.2	80.0	74.5
Food and Drug Administration	82.1	79.4	85.0	91.0	99.0	99.0	125.0	135.7	154.5	169.4	170.5
Health Resources and Services Administration	19.7	12.3	9.3	10.0	10.5	11.9	11.0	10.1	9.6	16.4	13.2
Human Development Services	24.3	54.6	53.0	54.0	101.7	95.4	na	na	na	na	na
National Institutes of Health	4,827.7	5,005.1	5,850.9	6,290.9	6,778.3	7,136.5	7,695.5	8,409.2	9,765.1	10,329.4	10,681.8
Office of the Assistant Secretary for Health	18.6	17.3	21.2	21.0	27.2	6.9	10.0	6.7	1.2	0.8	0.3
Office of the Secretary	9.6	6.1	8.2	4.7	7.8	5.0	8.8	5.0	8.0	11.7	9.1
Social Security Administration	10.4	5.6	9.8	14.7	15.8	13.9	11.9	33.0	24.5	22.2	20.4
Department of Housing and Urban Development	18.5	15.3	16.3	18.4	18.0	19.3	27.8	25.1	23.6	39.6	41.8
Department of the Interior	391.7	385.2	403.8	416.8	469.0	508.5	592.9	609.2	619.1	694.1	561.6
Bureau of Land Management	4.4	3.4	3.7	3.7	3.0	2.8	8.8	6.3	8.9	0.0	0.0
Bureau of Mines	89.9	84.4	88.8	91.3	98.7	99.3	106.1	107.1	111.9	107.9	0.0
Bureau of Reclamation	13.2	10.2	10.7	4.4	4.2	5.8	8.7	13.2	10.3	7.4	8.0
Geological Survey	214.9	218.6	226.8	236.1	279.9	308.4	356.6	361.4	356.7	371.1	362.0
Minerals Management Service	1.4	1.1	1.0	1.2	2.2	1.9	2.7	3.8	5.8	20.6	20.0
National Biological Service	na	na	na	na	na	na	na	na	0.0	162.8	151.8
National Park Service	15.0	17.3	18.5	19.4	19.4	20.1	27.5	31.1	38.1	24.2	19.7
Office of Surface Mining Reclamation and Enforcement	2.0	2.3	1.0	1.0	0.7	0.7	1.0	0.3	0.5	0.0	0.0
Office of the Secretary	1.9	1.0	0.0	0.4	0.4	0.2	0.6	0.9	0.4	0.1	*
U.S. Fish and Wildlife Service	49.0	47.0	53.3	59.2	60.6	69.4	81.0	85.1	86.5	0.0	0.0
Department of Justice	36.0	36.5	42.4	43.1	38.2	40.5	48.9	48.0	48.9	45.0	57.9
Bureau of Prisons	1.5	3.0	7.1	6.0	5.1	4.5	5.2	5.9	6.1	5.4	5.7
Drug Enforcement Administration	1.6	2.5	2.2	2.5	2.7	2.4	2.7	1.4	0.9	0.9	0.4
Federal Bureau of Investigation	9.5	7.2	8.0	12.7	7.7	8.2	10.8	10.9	11.3	7.0	10.9
Immigration and Naturalization Service	0.4	0.4	0.4	0.3	0.1	0.4	0.4	0.4	0.4	0.4	0.4
Office of Justice Programs	22.7	23.2	24.6	21.5	22.5	25.0	29.8	29.4	30.2	31.4	40.5
Office of Legal Policy	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 104. Federal obligations for research and development, by agency: FY 1985-95

(Dollars in millions)

Agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Department of Labor	13.3	10.4	21.6	35.6	35.4	73.0	44.0	51.7	55.0	59.7	55.4
Bureau of Labor Statistics	0.6	0.6	6.5	7.0	7.0	7.3	7.5	7.6	6.9	7.1	14.8
Employee Benefits Security Administration	1.6	0.3	1.0	2.7	1.4	2.1	2.5	2.6	2.6	2.7	3.6
Employment and Training Administration	3.5	3.5	5.7	14.9	15.7	53.4	22.1	31.7	35.9	40.0	25.6
Employment Standards Administration	*	0.0	1.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Labor-Management Relations and Cooperative Programs	0.3	0.2	0.3	0.4	0.3	na	na	na	na	na	na
Occupational Safety and Health Administration	4.5	3.6	4.1	4.2	4.5	2.5	2.6	3.1	2.5	3.3	4.4
Office of the Secretary	2.6	2.1	2.7	6.1	6.1	7.1	8.7	5.9	5.8	5.3	6.3
Pension Benefit Guaranty Corporation	0.2	0.1	0.3	0.3	0.3	0.5	0.5	0.9	1.3	1.3	0.8
Department of State	1.5	1.5	3.0	4.2	4.7	4.7	5.9	5.6	5.3	0.4	0.5
Department of Transportation	428.9	385.5	325.0	304.6	303.3	366.6	379.9	445.0	545.3	620.7	727.0
Federal Aviation Administration	286.3	260.6	167.3	160.5	146.8	216.1	220.1	236.2	248.9	285.6	288.4
Federal Highway Administration	49.0	45.5	76.7	74.1	91.0	91.5	86.9	130.2	174.9	235.7	312.5
Federal Railroad Administration	15.0	15.4	11.2	10.0	9.0	10.2	15.9	22.7	25.2	19.5	26.5
Federal Transit Administration	10.2	8.2	12.6	2.3	1.4	1.6	1.7	1.7	24.3	19.9	28.7
Maritime Administration	13.9	9.4	5.8	0.5	0.0	0.9	1.7	1.8	1.7	1.7	2.5
National Highway Traffic Safety Administration	28.1	22.4	27.9	28.3	29.7	16.9	21.4	25.8	31.6	25.3	39.7
Office of the Secretary	4.8	5.1	4.5	5.7	5.5	6.8	4.3	4.1	4.5	5.4	3.9
Pipeline and Hazardous Materials Safety Administration	2.7	2.0	2.1	2.1	2.0	2.4	2.4	2.5	1.3	5.3	5.0
U.S. Coast Guard	19.0	16.9	17.0	21.1	17.9	20.2	25.5	20.1	32.9	22.3	19.7
Department of the Treasury	24.3	24.0	26.9	26.1	25.6	25.6	30.8	24.6	16.6	19.0	61.4
Bureau of Engraving and Printing	5.0	4.2	4.5	2.0	1.7	2.1	3.5	2.0	3.2	1.7	1.8
Financial Crimes Enforcement Network	0.0	0.0	0.0	0.0	0.0	0.0	2.3	1.2	1.5	0.0	0.0
Internal Revenue Service	15.9	14.2	14.6	14.4	14.4	16.8	17.9	17.9	6.5	11.3	49.7
Office of Thrift Supervision	na	na	na	na	na	0.0	3.0	0.8	0.7	0.5	0.6
U.S. Customs Service	2.2	4.8	7.0	9.2	6.8	6.2	3.7	2.2	4.0	4.5	8.5
U.S. Mint	0.6	0.3	0.2	0.1	2.0	0.1	0.1	0.0	0.1	0.5	0.3
U.S. Secret Service	0.6	0.4	0.5	0.4	0.6	0.5	0.4	0.5	0.6	0.5	0.5
Department of Veterans Affairs	226.6	186.2	209.5	215.3	234.7	237.7	216.6	223.9	236.2	248.0	237.9
Other agencies											
Advisory Commission on Intergovernmental Relations	2.4	2.1	1.9	1.8	1.1	1.5	1.7	1.7	2.1	1.4	1.4
Agency for International Development	220.4	251.2	217.5	204.4	279.1	334.6	377.7	365.9	382.2	254.3	302.5
Appalachian Regional Commission	0.2	0.2	0.1	0.2	0.8	0.4	0.7	1.9	0.9	0.9	0.9
Consumer Product Safety Commission	2.4	2.0	2.2	1.1	1.3	1.1	1.3	1.1	1.2	0.3	0.4

TABLE 104. Federal obligations for research and development, by agency: FY 1985–95

(Dollars in millions)

Agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Environmental Protection Agency	320.4	317.3	348.2	347.4	380.3	419.7	432.6	483.9	495.3	553.5	551.5
Federal Communications Commission	1.2	0.9	1.0	1.2	1.1	1.3	1.4	1.6	1.6	1.7	2.3
Federal Emergency Management Agency	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Federal Trade Commission	1.7	1.8	0.5	0.4	0.4	0.5	1.0	1.3	0.9	0.7	0.6
General Services Administration	0.4	1.2	1.6	2.3	0.5	0.7	0.0	0.0	0.0	0.0	0.0
Library of Congress	7.1	6.6	6.5	7.1	8.0	8.4	9.0	10.3	10.5	10.0	10.2
National Aeronautics and Space Administration	3,327.2	3,419.8	3,787.1	4,330.4	5,393.5	6,533.2	7,280.2	7,657.6	8,019.9	8,296.2	9,014.9
National Archives and Records Administration	0.5	1.0	1.1	0.7	0.3	0.4	0.7	0.7	0.3	0.3	0.1
National Science Foundation	1,345.6	1,353.3	1,470.5	1,532.8	1,670.4	1,689.5	1,785.2	1,868.4	1,881.9	2,040.4	2,149.3
Nuclear Regulatory Commission	150.0	123.8	122.5	108.5	114.8	108.8	108.8	119.0	119.8	90.7	88.2
Office of Thrift Supervision	2.8	3.3	3.4	3.4	4.1	4.1	na	na	na	na	na
Smithsonian Institution	71.1	63.3	71.5	75.1	80.2	84.0	98.0	98.0	102.0	124.2	124.0
Tennessee Valley Authority	79.5	77.5	77.9	87.3	62.6	64.9	68.3	97.3	108.6	97.9	93.1
U.S. Arms Control and Disarmament Agency	1.1	0.9	3.6	3.4	2.8	0.2	0.4	2.1	1.5	1.3	1.1
U.S. Information Agency	0.1	2.0	3.5	0.4	0.1	0.5	0.1	0.0	1.1	0.6	0.3
U.S. International Trade Commission	5.8	6.9	7.2	8.1	8.7	9.1	9.9	12.3	12.2	9.4	12.2

* = amount greater than 0 but less than \$50,000.

na = not applicable (agency or subagency did not exist as such or in that organization in that year).

NOTES: Because of rounding, detail may not add to total. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 105. Federal obligations for research and development, by agency: FY 1996–2006

(Dollars in millions)

Agency	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
All agencies	67,653.0	69,826.8	72,100.7	75,340.6	72,863.3	79,933.2	85,853.0	93,661.3	101,376.5	109,194.2	108,394.1
Departments											
Department of Agriculture	1,300.3	1,388.6	1,441.0	1,614.1	1,746.8	1,959.1	1,971.8	2,039.6	2,102.2	2,310.3	1,951.8
Agricultural Marketing Service	4.9	4.8	4.7	4.7	5.1	4.8	5.2	4.8	9.0	9.0	6.6
Agricultural Research Service	675.2	687.6	757.9	855.1	884.7	994.4	1,059.8	1,062.0	1,098.1	1,106.1	996.1
Animal and Plant Health Inspection Service	18.0	19.8	20.5	20.4	20.6	25.4	23.7	28.0	24.4	25.6	22.6
Cooperative State Research, Education, and Extension Service	362.4	433.5	386.4	462.5	535.0	615.1	546.7	568.1	585.7	749.9	525.8
Economic Research Service	53.0	53.0	71.5	62.5	64.2	65.6	67.0	68.4	70.8	74.2	80.7
Food Safety Inspection Service	*	*	0.2	0.7	2.3	2.6	0.0	0.0	0.0	0.0	0.0
Foreign Agricultural Service	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.6	1.6	1.6	1.6
Forest Service	177.9	179.8	187.8	197.0	223.0	237.0	253.0	292.0	296.0	327.0	302.0
Grain Inspection, Packers, and Stockyards Administration	2.5	2.8	2.7	2.7	3.6	6.1	6.0	5.3	6.7	7.1	8.5
National Agricultural Statistics Service	3.8	3.4	3.3	3.6	3.9	4.2	4.6	5.5	6.1	6.2	6.2
Rural Business-Cooperative Service	1.4	2.5	4.4	3.5	3.1	2.4	4.2	3.8	3.8	3.7	1.7
Department of Commerce	1,067.5	1,003.1	948.6	990.2	1,036.6	997.9	1,151.4	1,208.0	1,058.9	1,073.8	912.7
Economic Development Administration	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.2	0.5	0.0
National Institute of Standards and Technology	516.5	460.4	394.4	402.2	404.2	422.0	451.4	476.0	444.2	442.6	358.3
National Oceanic and Atmospheric Administration	528.5	509.3	519.5	547.2	597.1	501.0	651.3	685.4	566.3	602.3	518.6
National Telecommunications and Information Administration	15.7	27.8	25.5	25.2	21.8	50.4	19.6	23.5	24.2	6.3	9.2
Office of the Secretary	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Census Bureau	6.3	5.1	8.6	15.0	13.0	24.0	28.7	22.5	24.2	22.0	26.6
Department of Defense	34,535.4	34,788.3	35,286.2	35,645.9	33,167.0	35,422.6	37,557.1	42,031.2	47,095.0	52,487.6	52,306.2
Defense agencies and activities	7,733.8	7,503.8	7,980.8	7,455.9	7,190.8	9,376.1	12,075.7	12,502.9	13,067.6	15,556.5	14,624.1
Department of the Air Force	13,042.1	13,951.5	13,839.1	14,022.3	11,055.0	9,992.7	6,884.4	8,393.0	9,621.1	9,439.6	10,573.8
Materiel Command	na	na	na	na	na	na	4,645.9	5,596.1	6,575.9	6,550.1	6,927.8
Space Command	na	na	na	na	na	na	2,238.4	2,797.0	3,045.2	2,889.5	3,646.0
Department of the Army	4,873.6	4,821.1	5,037.7	5,038.9	5,323.7	6,223.7	7,076.6	7,609.5	9,223.0	9,871.0	9,040.5
Department of the Navy	8,606.4	8,215.5	8,156.3	8,826.8	9,307.6	9,599.6	11,287.0	13,290.0	14,885.2	17,310.5	17,889.1
Operational Test and Evaluation, Director	21.9	26.6	30.3	44.7	32.9	205.3	233.5	235.7	298.2	310.0	178.6
Test and Evaluation, Deputy Under Secretary of Defense	257.7	269.7	242.0	257.3	257.0	25.3	na	na	na	na	na

TABLE 105. Federal obligations for research and development, by agency: FY 1996–2006

(Dollars in millions)

Agency	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
Department of Education	173.7	181.2	204.5	223.7	247.3	277.6	285.6	302.9	311.4	295.6	314.7
Department of Energy	5,344.9	5,603.5	5,873.8	6,009.7	6,063.1	6,668.0	7,044.2	7,411.9	7,553.8	8,276.3	7,464.6
Bonneville Power Administration	NA	NA	NA	NA	NA	NA	22.9	23.3	24.7	24.9	25.9
Civilian Radioactive Waste Management	NA	NA	NA	NA	NA	NA	62.5	75.8	78.9	62.7	43.7
Energy Efficiency and Renewable Energy	NA	NA	NA	NA	NA	NA	739.8	682.3	583.9	559.2	610.2
Environmental Management	NA	NA	NA	NA	NA	NA	160.3	69.4	42.8	54.2	61.4
Fossil Energy	NA	NA	NA	NA	NA	NA	363.3	639.3	526.1	1,076.9	477.9
National Nuclear Security Administration	NA	NA	NA	NA	NA	NA	3,302.4	3,475.4	3,600.2	3,629.1	3,469.3
Defense Programs	NA	NA	NA	NA	NA	NA	2,372.7	2,576.7	2,727.4	2,744.8	2,605.4
Fissile Materials Disposition	NA	NA	NA	NA	NA	NA	27.4	25.1	1.0	0.0	0.0
Naval Reactors	NA	NA	NA	NA	NA	NA	637.0	650.0	708.6	741.4	721.0
Nonproliferation and Verification	NA	NA	NA	NA	NA	NA	265.4	223.5	163.3	142.9	142.9
Nuclear Energy	NA	NA	NA	NA	NA	NA	42.5	47.1	74.3	81.8	94.1
Office of Intelligence	NA	NA	NA	NA	NA	NA	5.3	4.0	0.0	0.0	0.0
Office of Science	NA	NA	NA	NA	NA	NA	2,345.1	2,395.3	2,623.1	2,787.5	2,682.1
Department of Health and Human Services	11,951.1	12,785.3	13,901.7	15,914.7	18,425.9	21,341.9	24,011.6	26,399.1	28,133.2	28,712.6	28,964.4
Administration for Children and Families	12.6	17.4	23.5	24.9	27.3	28.4	23.3	20.9	20.1	20.6	21.0
Administration on Aging	3.7	4.4	10.4	18.5	2.8	3.7	3.7	0.0	3.0	3.0	0.0
Agency for Healthcare Research and Quality	125.2	144.0	146.5	182.3	198.8	269.7	298.7	308.7	303.7	318.7	318.7
Agency for Toxic Substances and Disease Registry	na	na	na	na	14.7	13.1	12.4	14.3	10.7	9.5	9.8
Centers for Disease Control and Prevention	296.7	323.0	343.6	433.3	505.0	544.0	521.0	564.0	539.8	485.2	485.2
Centers for Medicare and Medicaid Services	52.7	43.6	51.2	49.7	61.5	138.0	117.0	73.6	77.6	78.1	45.2
Food and Drug Administration	170.8	158.6	142.9	130.8	144.2	151.6	136.3	138.3	132.3	150.6	149.1
Health Resources and Services Administration	11.1	13.1	12.9	12.8	35.6	51.0	54.1	43.2	47.4	52.2	20.8
National Institutes of Health	11,251.0	11,993.0	12,880.2	14,755.4	16,918.3	19,480.7	22,110.1	25,156.4	26,890.4	27,486.8	27,804.8
Office of the Secretary	10.7	19.0	17.0	17.7	19.8	27.4	17.4	22.5	21.1	19.0	19.0
Office of Public Health and Science	1.7	0.6	3.1	3.8	3.1	2.5	2.5	2.6	0.0	0.0	0.0
Office of the Assistant Secretary, Planning and Evaluation	9.0	18.4	13.9	13.9	16.7	24.9	14.9	19.9	21.1	19.0	19.0
Substance Abuse and Mental Health Services Administration	16.7	69.1	273.4	289.3	497.8	634.3	717.6	57.2	87.2	88.9	90.7
Department of Homeland Security	na	na	na	na	na	na	na	NA	946.0	1,450.4	1,446.6
Science and Technology Directorate	na	na	na	na	na	na	na	NA	792.2	1,231.3	1,236.5
Transportation Security Administration	na	na	na	na	na	na	na	NA	137.9	194.2	209.0
U.S. Coast Guard	na	na	na	na	na	na	na	NA	15.0	23.7	0.0
U.S. Secret Service	na	na	na	na	na	na	na	NA	1.0	1.1	1.1

TABLE 105. Federal obligations for research and development, by agency: FY 1996–2006

(Dollars in millions)

Agency	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
Department of Housing and Urban Development	33.1	33.5	28.0	57.0	45.6	52.9	45.3	39.0	46.6	47.3	41.5
Department of the Interior	567.5	579.9	532.0	641.5	579.9	619.7	632.8	596.7	604.6	592.7	561.1
Bureau of Reclamation	6.5	7.1	8.8	10.3	9.8	9.7	10.4	9.5	10.9	13.7	10.0
Geological Survey	518.9	526.3	464.1	579.1	506.1	572.6	565.0	550.2	552.2	540.5	519.2
Minerals Management Service	21.9	20.6	29.3	28.8	29.2	24.5	31.2	26.7	27.2	27.9	25.2
National Park Service	20.2	26.0	29.7	23.4	34.7	12.9	26.2	10.3	14.3	10.5	6.7
Department of Justice	77.3	84.7	100.6	118.6	80.5	103.4	99.2	148.2	105.3	112.6	129.2
Bureau of Prisons	5.2	4.6	8.1	11.0	7.8	14.1	8.7	9.7	10.8	10.5	10.5
Drug Enforcement Administration	1.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Federal Bureau of Investigation	33.5	35.5	35.8	36.3	10.0	19.0	33.6	42.8	34.0	33.5	34.3
Immigration and Naturalization Service	0.2	0.4	0.0	0.2	0.6	0.9	0.0	na	na	na	na
Office of Justice Programs	37.2	44.2	56.7	71.1	62.2	69.3	56.9	95.7	60.5	68.6	84.4
Department of Labor	52.4	35.1	27.8	54.1	83.7	97.4	166.4	189.1	199.4	228.7	235.1
Bureau of Labor Statistics	13.3	12.6	12.4	12.4	12.3	21.5	20.7	20.6	22.4	23.0	23.0
Employee Benefits Security Administration	2.3	2.0	2.7	2.5	2.7	3.3	2.7	2.7	2.5	2.7	2.7
Employment and Training Administration	26.9	14.1	7.2	33.8	60.9	60.9	137.1	160.0	170.0	198.0	204.0
Occupational Safety and Health Administration	6.6	5.5	4.6	3.8	5.8	5.7	3.8	3.1	3.4	3.4	3.5
Office of the Secretary	2.6	0.2	0.2	1.0	1.3	5.3	1.2	1.8	0.2	0.1	0.1
Pension Benefit Guaranty Corporation	0.7	0.7	0.6	0.7	0.7	0.7	0.7	0.9	0.9	1.4	1.8
Department of State	0.9	1.0	0.9	1.5	1.5	2.2	2.3	2.3	3.0	2.3	2.4
Department of Transportation	552.5	526.9	566.1	667.0	467.4	674.4	815.5	693.3	629.3	725.5	771.4
Federal Aviation Administration	208.3	209.1	228.0	205.3	219.0	286.9	345.1	245.0	217.8	233.1	202.0
Federal Highway Administration	240.0	210.3	227.3	333.2	126.7	240.8	258.3	305.2	323.4	335.0	441.4
Federal Motor Carrier Safety Administration	na	na	na	na	3.9	11.4	3.7	6.8	6.4	8.3	9.6
Federal Railroad Administration	26.7	18.9	21.5	20.9	27.3	24.1	33.2	32.2	28.6	35.1	28.8
Federal Transit Administration	13.7	17.0	17.6	20.5	8.9	8.0	5.8	7.1	4.6	7.6	2.3
National Highway Traffic Safety Administration	33.2	36.4	41.6	50.4	50.6	58.3	59.6	65.4	6.7	61.1	62.4
Office of the Secretary	2.8	3.5	3.4	9.1	4.0	13.0	18.4	21.0	31.8	21.0	9.0
Pipeline and Hazardous Materials Safety Administration	7.7	8.7	6.3	7.3	6.9	8.4	10.2	10.6	10.0	21.7	12.1
Research and Innovative Technology Administration	na	na	na	na	na	na	na	na	0.0	2.5	3.8
Transportation Security Administration	na	na	na	na	na	na	59.0	na	na	na	na
U.S. Coast Guard	20.0	22.9	20.4	20.3	20.0	23.5	22.0	na	na	na	na

TABLE 105. Federal obligations for research and development, by agency: FY 1996–2006

(Dollars in millions)

Agency	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
Department of the Treasury	60.0	59.7	65.1	64.7	61.4	67.7	74.4	60.0	62.4	67.8	69.9
Bureau of Engraving and Printing	1.7	1.7	2.8	2.1	2.8	4.7	7.1	4.9	4.2	6.2	6.1
Internal Revenue Service	51.2	50.8	52.0	55.8	54.4	57.3	55.5	54.4	57.3	57.5	59.5
Office of Thrift Supervision	0.5	0.6	0.7	0.1	0.1	0.1	0.1	0.0	na	na	na
U.S. Customs Service	6.2	6.1	9.0	5.3	1.8	4.0	10.6	na	na	na	na
U.S. Mint	0.0	*	0.1	0.8	1.3	0.8	0.3	0.7	1.0	4.1	4.3
U.S. Secret Service	0.5	0.4	0.5	0.5	1.0	0.7	0.8	na	na	na	na
Department of Veterans Affairs	256.1	252.7	277.1	339.1	341.7	345.0	328.8	365.4	405.2	402.1	392.7
Other agencies											
Agency for International Development	223.0	206.4	212.0	203.0	218.8	267.0	269.8	286.0	264.8	256.6	256.6
Appalachian Regional Commission	0.9	0.9	0.7	0.8	0.6	0.7	0.7	0.7	0.6	0.8	0.8
Broadcasting Board of Governors	na	na	na	na	0.1	*	0.3	0.0	1.0	0.3	*
Consumer Product Safety Commission	*	0.1	0.0	0.0	0.0	0.1	0.0	0.0	na	na	na
Environmental Protection Agency	464.3	492.2	571.2	552.8	502.2	450.5	415.2	567.1	661.9	572.2	568.2
Federal Communications Commission	2.8	3.1	3.0	4.5	2.8	2.7	4.4	4.5	8.5	7.2	6.6
Federal Trade Commission	0.5	0.7	1.1	1.3	0.7	0.7	1.8	2.3	1.6	1.6	1.6
Library of Congress	10.6	2.4	1.5	2.4	2.5	3.1	3.0	1.8	18.0	9.1	1.7
National Aeronautics and Space Administration	8,570.1	9,327.3	9,568.0	9,525.7	6,881.9	7,355.0	7,508.2	7,499.0	7,182.5	7,636.1	8,017.9
National Archives and Records Administration	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
National Science Foundation	2,188.3	2,248.5	2,289.3	2,506.0	2,725.5	3,043.5	3,260.0	3,608.6	3,770.7	3,695.0	3,740.6
Nuclear Regulatory Commission	70.9	62.1	51.7	49.0	53.0	53.0	74.3	64.0	72.1	70.8	61.4
Smithsonian Institution	127.0	130.0	120.0	90.0	98.0	98.0	106.0	104.0	108.0	109.0	115.0
Social Security Administration	11.5	13.6	17.4	53.3	28.8	28.9	22.8	36.8	30.4	50.0	59.4
Tennessee Valley Authority	6.1	8.9	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Arms Control and Disarmament Agency	0.7	1.2	1.2	na	na	na	na	na	na	na	na
U.S. Information Agency	0.1	0.2	0.3	0.1	na	na	na	na	na	na	na
U.S. International Trade Commission	3.2	5.7	7.2	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0

* = amount greater than 0 but less than \$50,000.

na = not applicable (agency or subagency did not exist as such or in that organization in that year).

NA = not available (data collected for this table were not recorded at that level in that particular fiscal year).

NOTES: Because of rounding, detail may not add to total. Data for only those agencies and subdivisions that had outlays in variables represented by this table appear in table. In FY 2000, National Aeronautics and Space Administration reclassified Space Station as a physical asset, reclassified Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant; and National Institutes of Health reclassified all of its development activities as research. In FY 2003 Substance Abuse and Mental Health Services Administration reclassified some of its funding categories that were considered R&D in prior years. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 106. Federal obligations for R&D plant, by agency: FY 1985-95

(Dollars in millions)

Agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
All agencies	1,820.8	1,538.8	1,846.0	2,057.1	2,165.1	2,271.7	2,852.8	2,984.6	3,100.7	2,215.4	2,256.1
Departments											
Department of Agriculture	40.6	79.4	111.8	135.2	89.2	102.2	144.6	164.7	142.4	125.7	143.4
Agricultural Research Service	29.0	69.2	43.9	55.5	55.2	44.4	64.7	98.1	78.3	78.3	67.7
Animal and Plant Health Inspection Service	0.0	0.0	0.0	0.5	0.3	6.1	0.0	0.0	0.0	0.0	0.0
Cooperative State Research, Education, and Extension Service	10.0	9.5	67.6	76.2	32.2	46.9	61.5	63.0	60.5	42.6	71.3
Forest Service	1.6	0.6	0.3	2.9	1.6	4.9	18.4	3.6	3.6	4.9	4.3
Department of Commerce	4.2	9.3	5.2	11.2	9.1	15.4	15.7	21.0	25.4	31.2	77.7
National Institute of Standards and Technology	4.2	7.7	2.0	10.7	8.6	8.8	8.5	11.2	12.6	30.9	77.2
National Oceanic and Atmospheric Administration	0.0	1.5	3.2	0.5	0.5	6.6	7.3	9.9	12.8	0.3	0.5
Department of Defense	530.9	286.1	477.2	435.8	499.3	487.3	425.7	396.5	371.5	265.7	60.5
Defense agencies and activities	4.6	4.5	72.1	124.4	114.4	51.6	128.4	98.8	76.3	88.2	5.9
Department of the Air Force	291.3	130.1	270.3	143.7	250.2	322.2	152.3	179.7	231.6	99.3	37.8
Department of the Army	52.9	53.9	65.8	92.8	45.1	53.1	91.0	22.0	18.1	2.1	5.5
Department of the Navy	182.1	97.6	69.0	74.9	89.6	60.4	54.0	96.0	45.5	76.1	11.3
Department of Education	1.1	6.6	21.0	5.2	1.9	8.9	4.2	2.4	2.2	1.8	1.8
Department of Energy	868.4	742.3	772.2	915.0	873.0	916.0	1,220.1	1,320.8	1,461.5	911.8	745.1
Department of Health and Human Services	42.1	37.9	36.7	19.5	78.6	107.8	86.3	96.7	149.3	120.2	255.7
Alcohol, Drug Abuse, and Mental Health Administration	0.4	0.5	0.6	0.0	0.0	0.0	0.0	na	na	na	na
Food and Drug Administration	13.0	8.0	0.8	0.5	23.0	23.0	18.4	14.3	19.7	8.4	5.3
Health Resources and Services Administration	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.4	1.4	1.6
National Institutes of Health	28.8	29.4	35.3	19.0	55.6	84.8	67.8	82.1	128.2	110.5	248.8
Social Security Administration	0.0	0.0	0.0	0.0	0.0	0.0	*	0.0	0.0	0.0	0.0
Department of the Interior	4.2	4.3	11.8	9.4	10.8	14.0	22.2	18.4	23.1	9.0	6.7
Bureau of Mines	0.0	0.0	0.0	0.0	2.6	3.0	2.1	0.0	0.0	0.0	0.0
Geological Survey	0.8	0.8	0.8	0.8	1.3	1.3	3.3	4.3	3.8	6.4	5.4
Minerals Management Service	0.0	0.0	0.0	0.0	0.0	0.2	0.3	1.0	1.1	1.2	1.0
National Biological Service	na	na	na	na	na	na	na	na	0.0	1.4	0.3
U.S. Fish and Wildlife Service	3.4	3.5	11.0	8.6	6.9	9.5	16.6	13.1	18.3	0.0	0.0
Department of Justice	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Federal Bureau of Investigation	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 106. Federal obligations for R&D plant, by agency: FY 1985–95
(Dollars in millions)

Agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Department of Transportation	9.0	12.1	11.2	13.9	15.5	21.8	18.4	25.3	32.3	40.9	28.8
Federal Aviation Administration	8.5	10.9	10.4	13.2	15.5	21.4	16.3	24.0	22.4	33.0	21.7
Federal Highway Administration	0.0	0.7	0.3	0.0	0.0	0.0	0.0	0.8	0.9	6.3	3.0
Federal Railroad Administration	0.0	0.0	0.0	0.4	0.0	0.0	1.7	0.1	1.6	1.1	3.5
Federal Transit Administration	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
National Highway Traffic Safety Administration	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Coast Guard	0.0	0.0	0.0	0.3	0.0	0.4	0.4	0.4	0.5	0.5	0.5
Department of the Treasury	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
U.S. Customs Service	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
U.S. Secret Service	0.0	0.1	*	*	*	*	*	*	*	*	*
Department of Veterans Affairs	3.3	4.8	5.9	19.5	11.0	3.3	3.4	5.7	3.4	11.7	7.2
Other agencies											
Agency for International Development	6.9	7.5	6.8	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Environmental Protection Agency	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	4.8	4.8
General Services Administration	0.0	18.8	0.0	0.0	0.0	18.8	22.6	6.5	1.0	0.3	5.1
National Aeronautics and Space Administration	234.3	275.0	309.4	428.2	519.5	527.0	723.6	817.8	749.4	515.3	624.8
National Science Foundation	73.6	53.2	61.3	56.9	53.6	39.3	159.6	101.6	130.4	171.9	289.6
Smithsonian Institution	1.6	0.7	2.9	0.7	3.4	4.8	1.5	3.8	5.0	5.0	5.0
Tennessee Valley Authority	0.5	0.8	0.3	0.4	0.2	4.9	4.8	3.2	1.0	0.0	0.0
U.S. Arms Control and Disarmament Agency	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

* = amount greater than 0 but less than \$50,000.

na = not applicable (agency or subagency did not exist as such or in that organization in that year).

NOTES: Because of rounding, detail may not add to total. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 107. Federal obligations for R&D plant, by agency: FY 1996–2006
(Dollars in millions)

Agency	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
All agencies	1,746.1	1,926.7	1,813.3	2,045.7	4,492.8	4,069.8	4,304.7	4,266.5	3,994.2	3,924.1	3,681.9
Departments											
Department of Agriculture	128.4	184.2	89.8	131.1	86.6	117.0	118.8	96.4	179.4	199.9	83.2
Agricultural Research Service	67.9	118.9	86.3	118.5	74.6	104.0	103.8	81.2	160.5	186.3	64.8
Animal and Plant Health Inspection Service	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cooperative State Research, Education, and Extension Service	56.5	63.2	0.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Forest Service	2.5	2.0	2.6	12.0	12.0	13.0	15.0	15.2	18.9	13.6	18.4
Department of Commerce	84.5	43.4	21.4	19.6	200.5	23.8	29.1	59.1	89.7	97.9	72.6
National Institute of Standards and Technology	84.5	21.8	21.4	19.6	200.5	23.8	29.1	49.1	37.4	47.3	58.9
National Oceanic and Atmospheric Administration	0.0	21.6	0.0	0.0	0.0	0.1	0.0	10.0	52.3	50.6	13.7
Department of Defense	46.8	85.5	65.8	107.6	48.2	147.4	365.1	251.4	274.7	331.5	303.0
Defense agencies and activities	8.3	5.3	1.1	20.2	5.1	4.7	284.1	137.9	121.1	174.9	34.2
Department of the Air Force	24.4	39.1	26.2	47.2	5.5	31.9	23.5	6.8	19.5	17.9	133.4
Materiel Command	na	na	na	na	na	na	5.4	6.8	19.5	17.9	133.4
Space Command	na	na	na	na	na	na	18.1	0.0	0.0	0.0	0.0
Department of the Army	6.2	4.1	3.9	4.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Department of the Navy	8.0	37.0	34.6	35.6	37.5	110.7	57.5	106.6	134.1	138.7	135.4
Department of Energy	705.9	729.3	727.1	866.2	810.8	983.4	1,028.0	1,024.1	1,006.8	874.1	826.0
Energy Efficiency and Renewable Energy	NA	NA	NA	NA	NA	NA	4.9	6.2	19.8	22.4	34.8
Fossil Energy	NA	NA	NA	NA	NA	NA	10.2	4.5	6.2	6.3	1.0
National Nuclear Security Administration	NA	NA	NA	NA	NA	NA	425.8	447.9	436.1	298.4	288.3
Defense Programs	NA	NA	NA	NA	NA	NA	397.3	419.9	407.8	265.5	255.0
Fissile Materials Disposition	NA	NA	NA	NA	NA	NA	*	*	0.0	0.0	0.0
Naval Reactors	NA	NA	NA	NA	NA	NA	28.5	28.0	28.4	32.9	33.3
Office of Science	NA	NA	NA	NA	NA	NA	587.1	565.5	544.7	547.0	501.9
Department of Health and Human Services	133.1	260.1	286.3	252.8	219.6	300.0	247.5	815.7	430.6	297.4	123.1
Food and Drug Administration	5.5	14.5	28.1	2.6	2.5	8.8	13.4	7.2	8.5	0.0	2.7
Health Resources and Services Administration	0.7	0.7	0.9	0.6	0.6	0.6	0.6	0.3	0.6	0.6	0.6
National Institutes of Health	126.9	244.9	257.3	249.6	216.5	290.6	233.4	808.2	421.4	296.7	119.8
Department of Homeland Security	na	na	na	na	na	na	na	NA	117.2	181.7	181.5
Science and Technology Directorate	na	na	na	na	na	na	na	NA	116.3	180.7	181.5
U.S. Coast Guard	na	na	na	na	na	na	na	NA	1.0	1.0	0.0

TABLE 107. Federal obligations for R&D plant, by agency: FY 1996–2006

(Dollars in millions)

Agency	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
Department of the Interior	1.9	7.2	1.5	1.4	1.3	2.4	2.1	3.6	7.9	7.8	7.3
Bureau of Reclamation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	5.3	5.3	4.8
Geological Survey	1.2	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Minerals Management Service	0.8	2.2	1.5	1.4	1.3	2.4	2.1	2.1	2.6	2.6	2.6
Department of Transportation	31.8	19.0	17.6	14.6	11.9	16.0	51.7	18.5	17.7	18.7	19.4
Federal Aviation Administration	20.6	17.2	14.3	14.3	11.5	13.7	14.5	17.6	16.4	17.2	18.1
Federal Highway Administration	7.3	0.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Federal Railroad Administration	3.4	0.6	1.1	*	0.1	2.1	0.9	0.9	1.3	1.6	1.3
Transportation Security Administration	na	na	na	na	na	na	36.0	na	na	na	na
U.S. Coast Guard	0.5	0.3	0.3	0.3	0.3	0.3	0.3	na	na	na	na
Department of the Treasury	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Customs Service	0.1	0.1	0.1	0.1	0.1	0.0	0.0	na	na	na	na
U.S. Secret Service	*	0.0	0.0	0.0	0.0	0.0	0.0	na	na	na	na
Department of Veterans Affairs	3.8	31.3	0.4	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3
Other agencies											
Environmental Protection Agency	0.0	25.0	66.0	116.0	21.0	22.0	0.0	0.0	0.0	0.0	0.0
General Services Administration	0.1	*	0.0	0.0	0.0	*	0.0	0.0	0.0	0.0	*
National Aeronautics and Space Administration	417.4	333.8	350.0	359.5	2,873.0	2,169.3	2,218.3	1,659.2	1,471.6	1,543.9	1,620.0
National Science Foundation	187.2	203.8	184.3	173.5	216.6	285.2	240.8	335.2	395.4	362.3	429.4
Smithsonian Institution	5.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0	2.8	8.5	16.1

* = amount greater than 0 but less than \$50,000.

na = not applicable (agency or subagency did not exist as such or in that organization in that year).

NA = not available (data collected for this table were not recorded at that level in that particular fiscal year).

NOTES: Because of rounding, detail may not add to total. Data for only those agencies and subdivisions that had outlays in variables represented by this table appear in table. In FY 2000, National Aeronautics and Space Administration reclassified Space Station as a physical asset, reclassified Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 108. Federal obligations for research, by agency: FY 1985-95

(Dollars in millions)

Agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
All agencies	16,133.4	16,502.2	17,940.5	18,650.1	20,765.5	21,622.4	23,968.4	24,490.6	26,890.5	27,411.2	28,434.4
Departments											
Department of Agriculture	910.9	896.4	918.9	985.2	1,002.2	1,061.3	1,175.5	1,261.0	1,251.7	1,322.5	1,298.8
Agricultural Cooperative Service	2.9	2.6	2.7	2.7	2.8	2.7	2.8	3.4	2.9	3.7	na
Agricultural Marketing Service	1.3	1.3	1.2	1.3	1.3	2.2	3.7	4.1	4.1	4.2	4.2
Agricultural Research Service	442.0	436.0	454.6	479.4	492.1	512.3	550.8	583.2	574.3	624.4	628.6
Animal and Plant Health Inspection Service	0.0	4.2	4.9	5.6	7.4	0.0	0.0	0.0	0.0	0.0	0.0
Cooperative State Research, Education, and Extension Service	284.3	269.0	270.7	298.4	307.3	324.2	376.8	418.2	418.6	429.0	417.7
Economic Research Service	46.4	44.6	44.8	48.1	49.5	50.5	54.4	58.9	58.9	55.2	53.8
Foreign Agricultural Service	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.9
Forest Service	109.8	109.7	122.9	131.5	127.5	153.8	170.2	175.8	177.2	189.8	187.7
Grain Inspection, Packers, and Stockyards Administration	0.8	0.6	0.7	0.6	0.8	0.2	0.7	1.5	1.8	1.8	0.3
Human Nutrition Information Service	6.7	12.8	6.8	8.2	8.4	9.0	9.9	10.7	8.4	7.0	na
National Agricultural Statistics Service	8.4	8.0	3.4	3.6	2.9	2.8	3.2	3.6	3.9	3.9	4.0
Office of International Cooperation and Development	7.3	6.6	5.3	4.8	2.3	3.4	3.0	1.5	1.5	0.0	na
Office of Transportation	1.1	0.9	0.9	0.9	na	na	na	na	na	na	na
Rural Business-Cooperative Service	na	na	na	na	na	na	na	na	na	2.4	1.6
Department of Commerce	324.2	339.5	338.6	342.3	351.0	377.0	449.7	595.9	582.1	718.3	892.3
Economic Development Administration	2.0	2.3	5.0	4.2	1.0	1.2	1.4	0.5	0.0	0.6	0.5
National Institute of Standards and Technology	86.5	89.1	89.4	98.9	105.6	111.8	124.3	149.4	172.9	207.3	372.1
National Oceanic and Atmospheric Administration	224.4	237.5	234.4	228.2	234.6	252.4	315.6	438.7	401.7	502.7	510.4
National Telecommunications and Information Administration	7.9	7.6	7.0	7.3	6.9	6.8	3.6	4.0	4.2	4.8	6.4
Office of the Secretary	0.9	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*
U.S. Census Bureau	2.5	2.6	2.8	3.8	3.0	4.9	4.8	3.4	3.3	2.8	2.9
Department of Defense	3,168.3	3,227.3	3,347.6	3,239.1	3,656.1	3,529.2	3,717.9	4,073.4	4,783.5	4,240.6	4,198.4
Defense agencies and activities	816.9	856.7	866.1	964.5	1,242.1	1,165.1	1,153.0	1,457.3	1,881.0	1,726.6	1,632.0
Department of the Air Force	736.7	759.0	784.8	773.1	807.4	776.3	830.4	790.5	887.8	814.3	834.5
Department of the Army	823.4	827.3	909.9	753.7	823.4	780.2	860.5	932.7	1,018.6	852.6	852.1
Department of the Navy	791.3	784.3	786.7	747.8	783.2	807.6	874.0	892.8	996.1	847.1	880.0
Department of Education	91.9	95.8	106.9	111.0	122.0	130.3	131.7	127.0	133.6	136.8	138.4
Department of Energy	2,141.0	2,040.3	2,097.9	2,235.4	2,431.7	2,570.5	3,273.6	3,412.5	3,440.2	3,282.5	3,459.9

TABLE 108. Federal obligations for research, by agency: FY 1985-95

(Dollars in millions)

Agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Department of Health and Human Services	5,028.3	5,189.6	6,021.9	6,497.0	7,088.4	7,467.1	8,162.5	7,945.5	9,192.6	9,736.4	10,076.0
Administration for Children and Families	na	na	na	na	na	na	13.5	34.3	18.5	10.4	11.2
Administration on Aging	na	na	na	na	na	na	2.9	2.5	2.7	3.5	3.0
Agency for Healthcare Research and Quality	na	na	na	na	na	44.2	93.0	97.8	105.6	142.0	124.0
Alcohol, Drug Abuse, and Mental Health Administration	376.4	394.9	473.3	552.4	692.6	801.2	923.0	na	na	na	na
Centers for Disease Control and Prevention	47.6	52.2	66.2	88.7	117.8	95.6	113.4	146.9	162.5	206.8	317.4
Centers for Medicare and Medicaid Services	33.5	29.0	27.3	28.2	49.1	49.1	69.1	75.5	68.2	80.0	74.5
Food and Drug Administration	82.1	79.4	85.0	91.0	99.0	99.0	125.0	135.7	154.5	169.4	170.5
Health Resources and Services Administration	18.2	12.3	9.3	10.0	10.5	11.9	11.0	10.1	9.6	10.6	12.2
Human Development Services	5.8	6.8	9.4	7.1	8.5	7.7	na	na	na	na	na
National Institutes of Health	4,428.1	4,587.6	5,314.7	5,680.7	6,061.8	6,335.8	6,783.0	7,398.7	8,638.5	9,079.7	9,333.6
Office of the Assistant Secretary for Health	16.9	15.8	18.9	19.4	25.6	5.8	9.6	6.0	0.0	0.0	0.0
Office of the Secretary	9.4	6.1	8.2	4.7	7.8	5.0	8.8	5.0	8.0	11.7	9.1
Social Security Administration	10.4	5.6	9.8	14.7	15.8	11.8	10.2	33.0	24.5	22.2	20.4
Department of Housing and Urban Development	6.5	5.3	5.5	6.3	6.1	6.6	9.4	8.8	8.1	13.7	14.2
Department of the Interior	369.3	367.9	382.1	392.5	441.9	475.2	553.4	570.6	580.1	650.2	532.4
Bureau of Land Management	2.8	2.1	2.1	2.2	2.0	2.1	5.9	5.9	8.0	0.0	0.0
Bureau of Mines	86.5	81.6	85.2	86.2	93.2	89.9	99.0	102.9	105.0	95.4	0.0
Bureau of Reclamation	11.2	9.7	10.2	3.7	3.5	5.3	7.8	10.7	7.4	5.5	6.0
Geological Survey	210.5	211.2	216.5	225.3	266.9	293.2	338.4	344.5	343.9	355.4	347.9
Minerals Management Service	1.4	1.1	1.0	1.2	2.2	1.9	2.7	3.8	5.8	20.6	20.0
National Biological Service	na	na	na	na	na	na	na	na	0.0	149.0	138.8
National Park Service	15.0	17.3	18.5	19.4	19.4	20.1	27.5	31.1	38.1	24.2	19.7
Office of Surface Mining Reclamation and Enforcement	2.0	2.3	1.0	1.0	0.7	0.7	1.0	0.3	0.5	0.0	0.0
Office of the Secretary	1.9	1.0	0.0	0.1	0.0	0.0	0.1	0.2	0.2	0.0	0.0
U.S. Fish and Wildlife Service	37.9	41.7	47.6	53.5	53.9	62.0	71.0	71.2	71.2	0.0	0.0
Department of Justice	19.3	22.3	19.8	17.4	17.5	19.9	21.1	20.3	25.6	25.9	25.8
Bureau of Prisons	1.1	2.7	2.2	2.1	2.1	1.8	1.9	2.5	2.5	2.1	3.2
Drug Enforcement Administration	0.5	0.8	0.7	0.6	0.5	0.4	0.9	0.1	*	0.1	0.0
Immigration and Naturalization Service	0.2	0.2	0.2	0.3	0.1	0.4	0.4	0.4	0.4	0.4	0.4
Office of Justice Programs	17.2	18.5	16.7	14.4	14.8	17.3	17.9	17.3	22.7	23.3	22.2
Office of Legal Policy	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 108. Federal obligations for research, by agency: FY 1985-95

(Dollars in millions)

Agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Department of Labor	12.4	9.5	20.4	26.7	22.2	21.6	24.3	23.8	19.0	19.6	29.9
Bureau of Labor Statistics	0.6	0.6	6.5	7.0	7.0	7.3	7.5	7.6	6.9	7.1	14.8
Employee Benefits Security Administration	1.6	0.3	1.0	2.7	1.4	2.1	2.5	2.6	2.6	2.7	3.6
Employment and Training Administration	3.5	3.5	5.4	6.8	6.1	6.0	6.6	5.6	3.5	3.1	4.2
Employment Standards Administration	*	0.0	1.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Labor-Management Relations and Cooperative Programs	0.3	0.2	0.3	0.4	0.3	na	na	na	na	na	na
Occupational Safety and Health Administration	4.5	3.6	4.1	4.2	4.5	2.5	2.6	3.1	2.5	3.3	4.4
Office of the Secretary	1.7	1.3	1.8	5.2	2.5	3.3	4.7	4.1	2.9	3.1	2.9
Pension Benefit Guaranty Corporation	0.2	0.1	0.3	0.3	0.3	0.3	0.4	0.8	0.7	0.3	0.1
Department of State	1.5	1.5	3.0	4.2	4.7	4.7	5.9	5.6	5.3	0.4	0.5
Department of Transportation	71.2	68.2	68.8	91.2	120.5	119.2	114.6	156.9	226.1	273.4	370.7
Federal Aviation Administration	17.3	14.0	11.1	13.3	23.6	26.1	24.0	30.1	59.8	79.5	83.3
Federal Highway Administration	6.3	14.7	20.7	43.7	56.6	57.6	46.1	73.2	91.7	134.2	203.1
Federal Railroad Administration	11.4	12.5	10.4	8.2	7.5	8.5	13.2	18.9	20.9	16.1	22.5
Federal Transit Administration	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.9	7.8	10.9
Maritime Administration	8.0	6.8	3.3	0.5	0.0	0.9	1.7	1.8	1.7	1.7	2.5
National Highway Traffic Safety Administration	20.9	16.1	18.9	19.1	26.2	16.9	21.4	25.8	31.6	25.3	39.7
Office of the Secretary	0.9	0.4	0.4	0.7	1.3	1.7	0.6	0.7	0.6	0.6	0.6
Pipeline and Hazardous Materials Safety Administration	0.5	0.3	0.2	0.4	0.7	2.4	1.4	1.4	0.5	2.6	3.2
U.S. Coast Guard	5.4	3.5	3.7	5.4	4.6	5.1	6.4	5.0	8.2	5.6	4.9
Department of the Treasury	18.3	17.7	17.4	15.9	16.3	18.7	24.1	20.8	11.1	9.2	48.9
Bureau of Engraving and Printing	3.4	3.1	2.8	1.2	1.4	1.4	2.7	1.8	3.2	1.6	1.3
Internal Revenue Service	14.7	14.0	14.1	13.7	14.1	16.5	17.5	17.5	6.5	6.1	45.8
Office of Thrift Supervision	na	na	na	na	na	0.0	3.0	0.8	0.7	0.5	0.6
U.S. Customs Service	0.1	0.2	0.2	0.7	0.4	0.4	0.5	0.2	0.1	0.5	0.7
U.S. Secret Service	0.2	0.4	0.2	0.4	0.4	0.5	0.4	0.5	0.6	0.5	0.5
Department of Veterans Affairs	209.1	169.9	190.3	196.1	213.7	215.6	193.8	200.9	207.4	223.5	218.8
Other agencies											
Advisory Commission on Intergovernmental Relations	2.4	2.1	1.9	1.8	1.1	1.5	1.7	1.7	2.1	1.4	1.4
Agency for International Development	159.8	184.9	154.0	135.1	219.1	305.2	357.4	300.1	359.2	216.2	272.7
Appalachian Regional Commission	0.2	0.2	0.1	0.2	0.8	0.4	0.7	1.9	0.9	0.9	0.9
Consumer Product Safety Commission	1.4	1.1	0.6	0.1	0.5	0.4	0.9	0.8	0.8	0.1	0.0

TABLE 108. Federal obligations for research, by agency: FY 1985–95

(Dollars in millions)

Agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Environmental Protection Agency	214.6	217.8	277.2	267.9	273.3	315.2	353.1	404.3	361.5	402.3	401.6
Federal Communications Commission	1.2	0.9	1.0	1.2	1.1	1.3	1.4	1.6	1.6	1.7	2.3
Federal Emergency Management Agency	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Federal Trade Commission	1.7	1.8	0.5	0.4	0.4	0.5	1.0	1.3	0.9	0.7	0.6
General Services Administration	0.4	0.9	1.6	2.3	0.5	0.7	0.0	0.0	0.0	0.0	0.0
Library of Congress	2.1	1.6	1.5	1.6	1.6	1.5	1.7	1.8	1.8	1.9	2.1
National Aeronautics and Space Administration	1,783.6	2,069.0	2,269.2	2,331.6	2,878.8	3,060.7	3,371.2	3,229.3	3,548.7	3,840.6	4,046.1
National Archives and Records Administration	0.2	0.0	0.7	0.5	0.2	0.3	0.6	0.6	0.3	0.3	0.1
National Science Foundation	1,345.6	1,353.3	1,470.5	1,532.8	1,670.4	1,689.5	1,785.2	1,868.4	1,881.9	2,040.4	2,149.3
Nuclear Regulatory Commission	150.0	123.8	122.5	108.5	114.8	108.8	108.8	119.0	119.8	90.7	88.2
Office of Thrift Supervision	2.8	3.3	3.4	3.4	4.1	4.1	na	na	na	na	na
Smithsonian Institution	71.1	63.3	71.5	75.1	80.2	84.0	98.0	98.0	102.0	124.2	124.0
Tennessee Valley Authority	14.4	17.8	17.7	18.5	14.6	21.7	18.8	24.4	27.9	25.9	26.4
U.S. Arms Control and Disarmament Agency	1.1	0.9	0.4	0.8	1.2	0.2	0.4	2.1	1.5	1.3	1.1
U.S. Information Agency	0.1	1.6	0.0	0.1	0.0	0.5	0.1	0.0	1.1	0.6	0.3
U.S. International Trade Commission	5.8	6.9	7.2	8.1	8.7	9.1	9.9	12.3	12.2	9.4	12.2

* = amount greater than 0 but less than \$50,000.

na = not applicable (agency or subagency did not exist as such or in that organization in that year).

NOTES: Because of rounding, detail may not add to total. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 109. Federal obligations for research, by agency: FY 1996–2006

(Dollars in millions)

Agency	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
All agencies	28,259.8	29,365.3	30,922.3	33,527.5	38,470.6	44,713.7	48,006.7	51,071.8	53,357.8	55,546.3	54,979.1
Departments											
Department of Agriculture	1,220.0	1,290.1	1,333.9	1,488.1	1,611.5	1,803.7	1,810.4	1,869.1	1,918.8	2,120.1	1,777.8
Agricultural Marketing Service	4.2	4.2	4.0	4.0	4.3	4.1	4.4	4.1	7.9	7.9	5.6
Agricultural Research Service	621.2	625.7	689.7	778.1	805.1	904.9	964.4	966.4	988.3	995.5	896.5
Cooperative State Research, Education, and Extension Service	362.4	433.5	386.4	462.5	535.0	615.1	546.7	568.1	585.7	749.9	525.8
Economic Research Service	53.0	53.0	71.5	62.5	64.2	65.6	67.0	68.4	70.8	74.2	80.7
Food Safety Inspection Service	0.0	0.0	0.1	0.3	2.0	2.2	0.0	0.0	0.0	0.0	0.0
Foreign Agricultural Service	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.6	1.6	1.6	1.6
Forest Service	172.3	165.9	172.3	169.4	191.8	203.8	217.6	251.1	254.6	281.2	259.7
Grain Inspection, Packers, and Stockyards Administration	0.5	0.6	0.5	2.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
National Agricultural Statistics Service	3.8	3.4	3.3	3.6	3.9	4.2	4.6	5.5	6.1	6.2	6.2
Rural Business-Cooperative Service	1.4	2.5	4.4	3.5	3.1	2.4	4.2	3.8	3.8	3.7	1.7
Department of Commerce	850.6	808.1	807.0	848.0	895.9	828.3	994.5	1,054.1	887.9	918.9	821.4
Economic Development Administration	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.2	0.5	0.0
National Institute of Standards and Technology	354.8	331.5	305.4	309.0	308.6	336.8	354.6	381.0	359.7	375.3	351.7
National Oceanic and Atmospheric Administration	480.8	468.8	492.1	528.8	578.5	478.9	629.3	665.6	519.9	535.2	458.4
National Telecommunications and Information Administration	11.9	3.8	3.8	3.8	4.0	4.2	4.1	6.4	6.3	6.3	9.2
Office of the Secretary	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Census Bureau	2.5	3.4	5.2	5.9	4.3	7.9	6.0	0.6	1.8	1.6	2.1
Department of Defense	3,995.5	3,809.8	3,969.9	4,142.3	4,920.4	6,806.2	6,265.4	5,815.6	5,697.9	6,486.4	5,930.6
Defense agencies and activities	1,549.3	1,397.5	1,593.0	1,655.9	1,899.3	2,504.3	2,653.5	2,212.1	1,878.6	2,238.6	2,458.6
Department of the Air Force	882.3	816.6	736.9	764.8	1,096.5	2,190.9	1,357.4	1,329.4	1,210.5	1,238.0	1,257.1
Materiel Command	na	na	na	na	na	na	1,332.3	1,271.3	1,210.5	1,238.0	1,257.1
Space Command	na	na	na	na	na	na	25.1	58.0	0.0	0.0	0.0
Department of the Army	670.4	710.0	817.8	848.4	970.9	1,088.0	1,111.5	1,117.5	1,471.1	1,693.7	1,149.8
Department of the Navy	893.5	885.7	822.2	873.2	953.7	1,023.0	1,142.9	1,156.6	1,137.7	1,316.0	1,065.2
Department of Education	135.5	138.1	148.7	148.6	163.5	183.2	183.6	201.6	210.8	195.0	224.7
Department of Energy	3,362.2	3,567.7	3,787.5	3,919.8	4,100.9	4,593.2	5,062.5	5,260.6	5,498.0	5,700.4	5,484.1
Bonneville Power Administration	NA	NA	NA	NA	NA	NA	14.3	14.7	15.4	15.7	16.4
Civilian Radioactive Waste Management	NA	NA	NA	NA	NA	NA	62.5	75.8	78.9	62.7	43.7
Energy Efficiency and Renewable Energy	NA	NA	NA	NA	NA	NA	293.6	310.5	266.9	273.2	285.5
Environmental Management	NA	NA	NA	NA	NA	NA	86.9	20.8	12.8	16.3	18.4
Fossil Energy	NA	NA	NA	NA	NA	NA	145.0	255.8	231.2	216.0	212.3

TABLE 109. Federal obligations for research, by agency: FY 1996–2006

(Dollars in millions)

Agency	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
National Nuclear Security Administration	NA	NA	NA	NA	NA	NA	2,072.6	2,158.3	2,200.4	2,248.6	2,133.1
Defense Programs	NA	NA	NA	NA	NA	NA	1,893.9	2,009.9	2,105.8	2,164.1	2,048.5
Nonproliferation and Verification	NA	NA	NA	NA	NA	NA	178.7	148.5	94.6	84.5	84.5
Nuclear Energy	NA	NA	NA	NA	NA	NA	42.5	29.4	69.4	80.4	92.6
Office of Science	NA	NA	NA	NA	NA	NA	2,345.1	2,395.3	2,623.1	2,787.5	2,682.1
Department of Health and Human Services	10,545.9	11,228.1	12,018.5	13,714.6	17,913.1	20,648.7	23,230.9	26,287.8	27,991.2	28,562.9	28,844.2
Administration for Children and Families	12.6	17.4	23.5	24.9	27.3	28.4	23.3	20.9	20.1	20.6	21.0
Administration on Aging	0.2	0.2	2.4	2.4	2.8	3.7	3.7	0.0	3.0	3.0	0.0
Agency for Healthcare Research and Quality	116.0	134.1	138.8	171.3	186.8	248.1	274.8	284.0	279.4	293.2	293.2
Agency for Toxic Substances and Disease Registry	na	na	na	na	14.7	13.1	12.4	14.3	10.7	9.5	9.8
Centers for Disease Control and Prevention	296.7	323.0	343.6	433.3	505.0	544.0	521.0	564.0	539.8	485.2	485.2
Centers for Medicare and Medicaid Services	52.7	43.6	51.2	49.7	61.5	138.0	117.0	73.6	77.6	78.1	45.2
Food and Drug Administration	170.8	158.6	142.9	130.8	144.2	151.6	136.3	138.3	132.3	150.6	149.1
Health Resources and Services Administration	11.1	13.1	12.9	12.8	35.6	16.1	17.3	16.5	16.9	16.9	16.7
National Institutes of Health	9,876.9	10,519.7	11,289.2	12,875.5	16,918.3	19,480.7	22,110.1	25,156.4	26,890.4	27,486.8	27,804.8
Office of the Secretary	9.0	18.4	13.9	13.9	16.7	24.9	14.9	19.9	21.1	19.0	19.0
Office of the Assistant Secretary, Planning and Evaluation	9.0	18.4	13.9	13.9	16.7	24.9	14.9	19.9	21.1	19.0	19.0
Department of Homeland Security	na	na	na	na	na	na	na	NA	413.4	610.3	616.9
Science and Technology Directorate	na	na	na	na	na	na	na	NA	284.5	442.2	444.1
Transportation Security Administration	na	na	na	na	na	na	na	NA	122.8	159.1	171.7
U.S. Coast Guard	na	na	na	na	na	na	na	NA	5.1	8.0	0.0
U.S. Secret Service	na	na	na	na	na	na	na	NA	1.0	1.1	1.1
Department of Housing and Urban Development	11.2	11.3	9.2	19.1	15.5	17.9	16.2	14.0	17.5	17.8	14.6
Department of the Interior	542.1	552.7	502.9	610.0	548.5	572.8	557.4	533.5	546.6	536.0	495.1
Bureau of Reclamation	4.9	5.4	6.6	7.7	7.4	7.3	3.6	3.3	3.8	4.8	3.5
Geological Survey	495.1	500.7	437.2	550.2	477.1	531.1	504.9	497.0	504.1	494.8	461.1
Minerals Management Service	21.9	20.6	29.3	28.8	29.2	24.5	31.2	26.7	27.2	27.9	25.2
National Park Service	20.2	26.0	29.7	23.4	34.7	10.0	17.6	6.5	11.5	8.5	5.4
Department of Justice	32.0	32.5	42.0	54.0	49.6	61.8	49.2	56.6	47.1	52.0	62.1
Bureau of Prisons	3.1	1.9	4.3	7.4	3.4	8.5	3.6	4.8	5.0	4.7	4.7
Drug Enforcement Administration	*	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Immigration and Naturalization Service	0.2	0.4	0.0	0.0	0.0	0.0	0.0	na	na	na	na
Office of Justice Programs	28.7	30.2	37.7	46.6	46.1	53.3	45.5	51.9	42.1	47.3	57.4

TABLE 109. Federal obligations for research, by agency: FY 1996–2006

(Dollars in millions)

Agency	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
Department of Labor	26.7	21.7	22.1	27.7	46.1	57.1	45.5	36.3	37.5	37.3	38.3
Bureau of Labor Statistics	13.3	12.6	12.4	12.4	12.3	21.5	20.7	20.6	22.4	23.0	23.0
Employee Benefits Security Administration	2.3	2.0	2.7	2.5	2.7	3.3	2.7	2.7	2.5	2.7	2.7
Employment and Training Administration	2.6	1.5	2.2	8.8	25.0	25.0	17.8	9.0	9.0	8.0	9.0
Occupational Safety and Health Administration	6.6	5.5	4.6	3.8	5.8	5.7	3.8	3.1	3.4	3.4	3.5
Office of the Secretary	1.8	0.1	0.1	0.2	0.3	1.5	0.3	0.8	0.1	0.1	0.1
Pension Benefit Guaranty Corporation	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Department of State	0.9	1.0	0.9	1.5	1.5	2.2	2.3	2.3	3.0	2.3	2.4
Department of Transportation	375.2	381.2	401.0	476.7	344.4	445.7	530.9	432.9	360.2	480.0	532.3
Federal Aviation Administration	130.6	159.4	151.6	142.3	164.4	186.1	244.8	135.6	118.3	149.5	130.0
Federal Highway Administration	173.9	149.2	169.6	247.8	92.9	158.3	138.6	192.8	201.9	226.0	300.8
Federal Motor Carrier Safety Administration	na	na	na	na	2.8	8.0	0.2	6.8	6.4	8.3	9.6
Federal Railroad Administration	21.3	18.2	21.2	20.3	24.2	23.8	29.7	28.7	24.3	30.6	25.1
Federal Transit Administration	5.6	6.0	7.4	4.8	0.0	0.0	0.6	0.0	*	0.3	0.3
National Highway Traffic Safety Administration	33.2	36.4	41.6	50.4	50.6	58.3	59.6	65.4	6.7	61.1	62.4
Pipeline and Hazardous Materials Safety Administration	5.6	6.3	4.6	6.0	4.5	5.2	3.7	3.5	2.6	3.1	2.3
Research and Innovative Technology Administration	na	na	na	na	na	na	na	na	0.0	0.9	1.7
Transportation Security Administration	na	na	na	na	na	na	47.2	na	na	na	na
U.S. Coast Guard	5.0	5.7	5.1	5.1	5.0	5.9	6.4	na	na	na	na
Department of the Treasury	50.5	50.9	52.6	50.7	51.2	63.2	61.8	58.7	61.3	63.1	65.0
Bureau of Engraving and Printing	1.6	1.6	2.7	2.0	2.7	4.7	5.3	4.3	4.0	5.6	5.5
Internal Revenue Service	47.5	47.9	47.9	48.0	47.4	56.6	55.5	54.4	57.3	57.5	59.5
Office of Thrift Supervision	0.5	0.6	0.7	0.1	0.1	0.1	0.1	0.0	na	na	na
U.S. Customs Service	0.5	0.4	0.8	0.0	0.0	1.0	*	na	na	na	na
U.S. Secret Service	0.5	0.4	0.5	0.5	1.0	0.7	0.8	na	na	na	na
Department of Veterans Affairs	235.3	231.0	269.1	332.3	334.6	338.1	314.3	349.6	383.9	380.9	372.0
Other agencies											
Agency for International Development	205.0	176.7	172.9	163.8	189.2	239.2	247.6	262.4	241.4	235.1	235.1
Appalachian Regional Commission	0.9	0.9	0.7	0.8	0.6	0.7	0.7	0.7	0.6	0.8	0.8
Broadcasting Board of Governors	na	na	na	na	0.1	*	0.3	0.0	1.0	0.3	*
Consumer Product Safety Commission	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	na	na	na

TABLE 109. Federal obligations for research, by agency: FY 1996–2006

(Dollars in millions)

Agency	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
Environmental Protection Agency	380.8	409.1	477.2	457.0	410.7	350.7	323.7	461.8	536.8	431.3	455.2
Federal Communications Commission	2.8	3.1	3.0	4.5	2.8	2.7	4.4	4.5	4.1	4.7	6.1
Federal Trade Commission	0.5	0.7	1.1	1.3	0.7	0.7	1.8	2.3	1.6	1.6	1.6
Library of Congress	2.2	0.5	0.5	0.5	0.6	2.0	1.7	0.5	16.4	2.2	1.2
National Aeronautics and Space Administration	3,878.0	4,184.9	4,413.7	4,357.9	3,964.0	4,471.8	4,838.5	4,553.5	4,499.4	4,782.1	5,021.2
National Archives and Records Administration	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
National Science Foundation	2,188.3	2,248.5	2,289.3	2,506.0	2,725.5	3,043.5	3,260.0	3,608.6	3,770.7	3,695.0	3,740.6
Nuclear Regulatory Commission	70.9	62.1	51.7	49.0	53.0	53.0	74.3	64.0	72.1	70.8	61.4
Smithsonian Institution	127.0	130.0	120.0	90.0	98.0	98.0	106.0	104.0	108.0	109.0	115.0
Social Security Administration	11.5	13.6	17.4	53.3	28.8	28.9	22.8	36.8	30.4	50.0	59.4
Tennessee Valley Authority	4.2	4.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Arms Control and Disarmament Agency	0.7	1.2	1.2	na	na	na	na	na	na	na	na
U.S. Information Agency	0.1	0.2	0.3	0.1	na	na	na	na	na	na	na
U.S. International Trade Commission	3.2	5.7	7.2	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0

* = amount greater than 0 but less than \$50,000.

na = not applicable (agency or subagency did not exist as such or in that organization in that year).

NA = not available (data collected for this table were not recorded at that level in that particular fiscal year).

NOTES: Because of rounding, detail may not add to total. Data for only those agencies and subdivisions that had outlays in variables represented by this table appear in table. In FY 2000, National Aeronautics and Space Administration reclassified Space Station as a physical asset, reclassified Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant; and National Institutes of Health reclassified all of its development activities as research. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 110. Federal obligations for basic research, by agency: FY 1985-95

(Dollars in millions)

Agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
All agencies	7,818.7	8,153.1	8,942.4	9,473.6	10,602.0	11,285.6	12,170.8	12,489.9	13,399.1	13,523.5	13,877.0
Departments											
Department of Agriculture	445.4	432.9	445.5	480.6	484.9	519.2	557.6	595.2	615.9	606.3	595.0
Agricultural Marketing Service	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
Agricultural Research Service	250.2	247.7	253.4	271.1	282.7	294.0	309.7	326.1	341.0	366.5	369.0
Cooperative State Research, Education, and Extension Service	141.5	131.7	132.8	145.8	142.6	153.7	170.4	189.6	192.5	194.7	186.0
Economic Research Service	4.6	4.5	6.3	6.7	6.9	7.1	7.6	8.2	10.6	9.9	5.4
Foreign Agricultural Service	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.5
Forest Service	44.1	42.2	49.4	51.6	50.0	60.3	66.6	68.9	69.4	33.3	32.9
National Agricultural Statistics Service	2.8	2.6	1.1	1.2	1.0	0.9	1.1	1.2	1.3	1.3	1.3
Office of International Cooperation and Development	1.5	3.7	1.9	3.6	1.7	2.6	2.2	1.2	1.2	0.0	na
Office of Transportation	0.6	0.5	0.5	0.5	na	na	na	na	na	na	na
Department of Commerce	23.2	26.5	25.8	30.9	29.1	31.4	34.3	34.5	37.2	40.1	39.3
National Institute of Standards and Technology	22.1	25.7	25.1	26.3	27.9	28.6	31.9	33.6	36.5	39.8	38.9
National Oceanic and Atmospheric Administration	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.3	0.0	0.0
Office of the Secretary	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Census Bureau	0.4	0.5	0.7	1.3	1.2	2.8	2.4	0.9	0.4	0.3	0.3
Department of Defense	861.4	923.9	907.6	876.9	947.9	947.6	994.2	1,098.9	1,268.2	1,200.7	1,248.3
Defense agencies and activities	79.2	121.7	114.8	173.0	203.9	200.5	208.3	294.4	411.8	344.9	413.3
Department of the Air Force	198.3	216.5	221.6	196.4	202.8	197.0	209.2	205.8	218.7	242.4	206.8
Department of the Army	240.8	248.5	217.0	165.7	187.2	185.1	188.6	204.9	215.7	213.3	218.8
Department of the Navy	343.1	337.3	354.3	341.8	354.0	365.0	388.0	393.8	422.0	400.1	409.4
Department of Education	14.6	4.5	3.1	4.4	4.4	4.9	8.6	7.5	5.3	5.5	5.5
Department of Energy	942.6	959.7	1,068.5	1,184.8	1,410.9	1,504.8	1,686.5	1,736.4	1,754.8	1,603.2	1,634.4
Department of Health and Human Services	3,232.5	3,338.8	3,827.9	4,081.4	4,388.0	4,649.0	5,050.1	5,058.7	5,696.7	5,884.0	6,061.1
Agency for Healthcare Research and Quality Alcohol, Drug Abuse, and Mental Health Administration	na	na	na	na	na	0.0	0.0	0.0	0.0	0.8	0.0
Administration	196.8	203.4	232.2	265.8	308.0	386.2	459.1	na	na	na	na
Health Resources and Services Administration	0.9	1.0	1.3	1.1	1.2	1.2	1.5	1.3	1.1	0.8	1.0
National Institutes of Health	3,018.0	3,118.6	3,575.5	3,795.1	4,053.3	4,261.7	4,589.5	5,057.4	5,695.6	5,882.4	6,060.0
Office of the Assistant Secretary for Health	16.9	15.8	18.9	19.4	25.6	0.0	0.0	0.0	0.0	0.0	0.0
Department of the Interior	138.3	133.0	134.9	126.5	188.9	205.4	229.3	230.9	230.3	83.2	55.2
Bureau of Land Management	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.6	0.6	0.0	0.0
Bureau of Mines	49.9	44.9	45.6	32.1	43.9	40.6	42.8	43.7	44.6	25.4	0.0
Bureau of Reclamation	0.3	0.1	0.1	0.1	*	0.1	0.1	0.0	0.0	0.0	0.0
Geological Survey	80.5	83.4	84.9	89.5	140.2	159.1	179.1	180.1	178.0	43.5	41.6

TABLE 110. Federal obligations for basic research, by agency: FY 1985–95

(Dollars in millions)

Agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
National Biological Service	na	na	na	na	na	na	na	na	0.0	13.7	13.0
National Park Service	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.7	0.5
Office of the Secretary	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Fish and Wildlife Service	5.7	3.6	4.3	4.8	4.8	5.6	6.2	6.4	6.4	0.0	0.0
Department of Justice	4.2	5.3	8.1	7.6	6.8	8.8	6.4	5.3	5.0	5.9	8.1
Office of Justice Programs	4.2	5.3	8.1	7.6	6.8	8.8	6.4	5.3	5.0	5.9	8.1
Department of Labor	3.3	0.9	1.4	0.4	0.3	0.3	0.3	0.2	5.6	5.8	13.3
Bureau of Labor Statistics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	5.6	13.3
Employment and Training Administration	3.3	0.9	1.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.0
Pension Benefit Guaranty Corporation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*	0.0	0.0	0.0
Department of State	0.0	0.0	2.6	3.1	3.4	3.5	4.6	4.9	4.8	0.0	0.0
Department of Transportation	1.1	0.6	0.2	0.0	0.0	0.0	0.0	1.2	1.7	3.0	46.9
Federal Highway Administration	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.7	3.0	46.9
Maritime Administration	1.1	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of the Treasury	4.8	5.1	4.7	4.8	3.4	3.4	3.6	3.6	6.5	*	*
Bureau of Engraving and Printing	0.3	0.4	0.1	0.1	0.5	0.0	0.0	0.0	0.0	*	*
Internal Revenue Service	4.4	4.5	4.4	4.7	2.9	3.4	3.6	3.6	6.5	0.0	0.0
U.S. Secret Service	0.0	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Veterans Affairs	15.4	14.8	17.2	17.3	16.6	16.2	16.1	15.7	13.3	14.4	12.4
Other agencies											
Agency for International Development	1.7	4.3	2.8	3.0	3.1	5.0	5.7	5.8	8.4	1.8	2.3
Environmental Protection Agency	38.6	38.5	31.1	27.2	50.7	73.6	91.2	110.4	89.1	101.4	70.3
Federal Trade Commission	1.5	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
General Services Administration	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Library of Congress	0.6	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.3	0.4	0.5
National Aeronautics and Space Administration	750.9	916.7	1,013.7	1,112.7	1,417.4	1,636.9	1,705.6	1,738.2	1,800.1	1,963.9	1,978.2
National Archives and Records Administration	0.1	0.0	0.5	0.2	0.1	0.2	0.4	0.5	0.2	0.2	0.0
National Science Foundation	1,261.8	1,275.2	1,371.2	1,433.2	1,562.6	1,586.3	1,676.2	1,741.5	1,743.8	1,870.7	1,973.3
Smithsonian Institution	71.1	63.3	71.5	75.1	80.2	84.0	98.0	98.0	102.0	124.2	124.0
Tennessee Valley Authority	5.5	7.3	3.9	3.2	2.9	4.7	1.9	2.1	9.9	8.9	9.0

* = amount greater than 0 but less than \$50,000.

na = not applicable (agency or subagency did not exist as such or in that organization in that year).

NOTES: Because of rounding, detail may not add to total. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 111. Federal obligations for basic research, by agency: FY 1996–2006

(Dollars in millions)

Agency	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
All agencies	14,464.0	14,941.9	15,613.0	17,443.7	19,569.8	21,958.1	23,668.3	24,751.4	26,120.7	26,919.4	26,938.1
Departments											
Department of Agriculture	550.0	590.1	603.8	743.3	807.9	903.1	930.1	961.6	919.9	1,009.1	849.8
Agricultural Research Service	364.6	364.4	401.7	461.7	477.7	546.9	582.9	584.1	538.0	542.0	488.1
Cooperative State Research, Education, and Extension Service	148.7	189.9	163.5	189.6	229.9	249.9	234.4	248.2	251.2	323.3	227.4
Economic Research Service	5.3	5.3	7.2	6.2	6.4	6.6	6.7	6.8	7.1	7.4	8.1
Food Safety Inspection Service	0.0	0.0	0.1	0.1	0.4	0.3	0.0	0.0	0.0	0.0	0.0
Foreign Agricultural Service	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.4	0.4	0.4
Forest Service	29.3	28.4	29.3	80.8	91.4	97.2	103.7	119.7	121.4	134.1	123.8
Grain Inspection, Packers, and Stockyards Administration	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Agricultural Statistics Service	1.2	1.1	1.1	1.2	1.3	1.4	1.5	1.8	1.8	2.0	1.9
Department of Commerce	37.5	39.2	39.6	49.1	46.4	64.9	72.5	65.9	47.9	61.2	74.5
Economic Development Administration	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
National Institute of Standards and Technology	36.7	38.2	38.6	42.0	40.3	53.5	56.1	65.5	47.0	60.5	73.4
National Oceanic and Atmospheric Administration	0.0	0.0	0.4	5.1	4.3	8.2	13.6	0.0	0.0	0.0	0.0
U.S. Census Bureau	0.9	1.1	0.6	2.0	1.8	3.3	2.8	0.3	0.9	0.8	1.1
Department of Defense	1,137.9	1,022.9	1,030.8	1,040.2	1,230.1	2,009.3	1,812.5	1,396.1	1,416.2	1,510.2	1,450.9
Defense agencies and activities	338.2	309.2	334.3	311.9	417.1	870.9	899.2	512.8	193.1	230.7	256.8
Department of the Air Force	227.9	188.1	185.6	191.4	253.4	536.2	299.0	238.2	319.2	350.3	343.9
Materiel Command	na	na	na	na	na	na	276.0	192.8	319.2	350.3	343.9
Space Command	na	na	na	na	na	na	23.0	45.4	0.0	0.0	0.0
Department of the Army	195.1	178.3	182.0	181.1	205.3	208.4	224.6	240.6	442.3	460.3	399.0
Department of the Navy	376.7	347.2	329.0	355.8	354.3	393.9	389.7	404.5	461.6	469.0	451.3
Department of Education	3.5	3.0	2.1	2.0	2.1	2.3	5.3	5.5	9.0	9.8	8.9
Department of Energy	1,929.7	1,970.9	2,028.8	2,131.8	2,175.8	2,295.5	2,477.8	2,446.9	2,662.6	2,826.4	2,719.6
Bonneville Power Administration	NA	NA	NA	NA	NA	NA	3.2	3.3	3.4	3.5	3.7
Energy Efficiency and Renewable Energy	NA	NA	NA	NA	NA	NA	60.1	30.6	22.6	22.8	21.8
Environmental Management	NA	NA	NA	NA	NA	NA	37.9	0.0	0.0	0.0	0.0
Fossil Energy	NA	NA	NA	NA	NA	NA	8.1	9.9	9.6	9.3	8.8
National Nuclear Security Administration	NA	NA	NA	NA	NA	NA	26.5	10.7	6.8	3.3	3.3
Nonproliferation and Verification	NA	NA	NA	NA	NA	NA	26.5	10.7	6.8	3.3	3.3
Office of Science	NA	NA	NA	NA	NA	NA	2,342.1	2,392.4	2,620.2	2,787.5	2,682.1
Department of Health and Human Services	6,504.6	6,851.8	7,355.4	8,632.5	10,055.4	11,592.3	12,860.8	14,102.5	14,766.5	15,112.6	15,237.1
Agency for Healthcare Research and Quality	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Health Resources and Services Administration	1.0	1.1	1.1	1.2	1.2	2.2	2.1	2.5	2.1	2.1	1.9

TABLE 111. Federal obligations for basic research, by agency: FY 1996–2006

(Dollars in millions)

Agency	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
National Institutes of Health	6,503.6	6,850.7	7,354.3	8,631.3	10,054.1	11,590.2	12,843.8	14,100.0	14,764.5	15,110.6	15,235.2
Office of the Secretary	0.0	0.0	0.0	0.0	0.0	0.0	14.9	0.0	0.0	0.0	0.0
Office of the Assistant Secretary, Planning and Evaluation	0.0	0.0	0.0	0.0	0.0	0.0	14.9	0.0	0.0	0.0	0.0
Department of Homeland Security	na	na	na	na	na	na	na	NA	166.5	238.5	268.0
Science and Technology Directorate	na	na	na	na	na	na	na	NA	85.1	132.3	132.9
Transportation Security Administration	na	na	na	na	na	na	na	NA	81.3	106.2	135.1
Department of the Interior	56.0	56.4	48.7	59.1	51.8	61.8	45.8	40.7	36.7	35.6	30.1
Geological Survey	55.5	55.9	48.2	58.6	51.3	60.2	40.8	40.7	36.7	35.6	30.1
National Park Service	0.5	0.5	0.5	0.5	0.5	1.6	5.0	0.0	0.0	0.0	0.0
Department of Justice	12.6	12.4	16.0	17.8	21.7	25.0	25.4	31.2	14.5	16.9	30.2
Office of Justice Programs	12.6	12.4	16.0	17.8	21.7	25.0	25.4	31.2	14.5	16.9	30.2
Department of Labor	11.5	11.3	11.1	11.1	11.0	38.4	30.2	13.1	13.7	13.9	14.0
Bureau of Labor Statistics	11.5	11.3	11.1	11.1	11.0	13.4	12.4	13.1	13.7	13.9	14.0
Employment and Training Administration	0.0	0.0	0.0	0.0	0.0	25.0	17.8	0.0	0.0	0.0	0.0
Department of Transportation	38.4	37.5	35.0	60.7	16.2	23.0	36.3	24.5	19.9	38.2	40.6
Federal Highway Administration	38.4	37.5	35.0	60.7	16.2	23.0	17.4	24.5	19.9	38.2	40.6
Transportation Security Administration	na	na	na	na	na	na	18.9	na	na	na	na
Department of the Treasury	*	*	*	*	*	*	0.7	0.2	0.1	0.2	0.2
Bureau of Engraving and Printing	*	*	*	*	*	*	0.7	0.2	0.1	0.2	0.2
Department of Veterans Affairs	12.5	13.6	120.0	148.4	149.2	142.1	141.7	164.0	174.7	173.3	169.3
Other agencies											
Agency for International Development	2.0	0.1	1.8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Environmental Protection Agency	51.7	51.1	57.4	57.0	58.6	74.5	63.8	96.4	113.9	66.2	69.7
Library of Congress	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
National Aeronautics and Space Administration	1,980.9	2,094.8	2,023.8	2,040.9	2,305.4	1,765.2	1,984.7	1,907.8	2,143.5	2,281.9	2,396.0
National Science Foundation	2,007.4	2,056.7	2,118.7	2,359.5	2,540.0	2,862.6	3,074.5	3,391.0	3,505.1	3,415.9	3,464.3
Smithsonian Institution	127.0	130.0	120.0	90.0	98.0	98.0	106.0	104.0	108.0	109.0	115.0
Tennessee Valley Authority	0.3	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

* = amount greater than 0 but less than \$50,000.

na = not applicable (agency or subagency did not exist as such or in that organization in that year).

NA = not available (data collected for this table were not recorded at that level in that particular fiscal year).

NOTES: Because of rounding, detail may not add to total. Data for only those agencies and subdivisions that had outlays in variables represented by this table appear in table. In FY 2000, National Aeronautics and Space Administration reclassified Space Station as a physical asset, reclassified Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant; and National Institutes of Health reclassified all of its development activities as research. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 112. Federal obligations for applied research, by agency: FY 1985-95

(Dollars in millions)

Agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
All agencies	8,314.7	8,349.1	8,998.1	9,176.5	10,163.5	10,336.8	11,797.6	12,000.7	13,491.4	13,887.7	14,557.4
Departments											
Department of Agriculture	465.6	463.5	473.4	504.6	517.3	542.1	617.9	665.8	635.8	716.2	703.8
Agricultural Cooperative Service	2.9	2.6	2.7	2.7	2.8	2.7	2.8	3.4	2.9	3.7	na
Agricultural Marketing Service	1.3	1.3	1.2	1.3	1.3	1.7	3.7	4.1	4.1	4.2	4.2
Agricultural Research Service	191.8	188.3	201.1	208.2	209.4	218.2	241.1	257.1	233.3	257.9	259.6
Animal and Plant Health Inspection Service	0.0	4.2	4.9	5.6	7.4	0.0	0.0	0.0	0.0	0.0	0.0
Cooperative State Research, Education, and Extension Service	142.8	137.4	138.0	152.6	164.7	170.5	206.4	228.6	226.2	234.3	231.7
Economic Research Service	41.7	40.1	38.5	41.4	42.6	43.5	46.8	50.6	48.3	45.3	48.4
Foreign Agricultural Service	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
Forest Service	65.7	67.5	73.5	79.9	77.5	93.5	103.6	106.9	107.8	156.5	154.8
Grain Inspection, Packers, and Stockyards Administration	0.8	0.6	0.7	0.6	0.8	0.2	0.7	1.5	1.8	1.8	0.3
Human Nutrition Information Service	6.7	12.8	6.8	8.2	8.4	9.0	9.9	10.7	8.4	7.0	na
National Agricultural Statistics Service	5.6	5.4	2.3	2.4	1.9	1.9	2.2	2.4	2.6	2.6	2.7
Office of International Cooperation and Development	5.8	2.9	3.3	1.2	0.6	0.9	0.7	0.4	0.4	0.0	na
Office of Transportation	0.5	0.4	0.4	0.4	na	na	na	na	na	na	na
Rural Business-Cooperative Service	na	na	na	na	na	na	na	na	na	2.4	1.6
Department of Commerce	301.0	312.9	312.8	311.5	321.9	345.6	415.4	561.4	544.9	678.2	853.1
Economic Development Administration	2.0	2.3	5.0	4.2	1.0	1.2	1.4	0.5	0.0	0.6	0.5
National Institute of Standards and Technology	64.5	63.5	64.3	72.6	77.6	83.2	92.5	115.8	136.4	167.5	333.1
National Oceanic and Atmospheric Administration	224.4	237.5	234.4	225.0	234.6	252.4	315.6	438.7	401.4	502.7	510.4
National Telecommunications and Information Administration	7.9	7.6	7.0	7.3	6.9	6.8	3.6	4.0	4.2	4.8	6.4
Office of the Secretary	0.1	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*
U.S. Census Bureau	2.1	2.1	2.1	2.4	1.8	2.1	2.3	2.4	2.9	2.5	2.6
Department of Defense	2,306.9	2,303.3	2,440.0	2,362.2	2,708.2	2,581.6	2,723.8	2,974.5	3,515.2	3,040.0	2,950.1
Defense agencies and activities	737.7	735.0	751.3	791.5	1,038.1	964.6	944.7	1,162.9	1,469.2	1,381.7	1,218.6
Department of the Air Force	538.4	542.5	563.2	576.7	604.6	579.3	621.2	584.7	669.1	571.9	627.7
Department of the Army	582.6	578.8	692.9	588.0	636.3	595.2	671.9	727.8	802.8	639.3	633.3
Department of the Navy	448.2	447.1	432.5	406.0	429.2	442.6	486.0	499.0	574.1	447.0	470.5
Department of Education	77.3	91.3	103.8	106.6	117.5	125.3	123.1	119.5	128.3	131.2	132.8
Department of Energy	1,198.4	1,080.7	1,029.4	1,050.6	1,020.8	1,065.7	1,587.2	1,676.1	1,685.4	1,679.2	1,825.6

TABLE 112. Federal obligations for applied research, by agency: FY 1985-95

(Dollars in millions)

Agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Department of Health and Human Services	1,795.8	1,850.8	2,194.0	2,415.6	2,700.4	2,818.1	3,112.4	2,886.8	3,495.9	3,852.5	4,014.9
Administration for Children and Families	na	na	na	na	na	na	13.5	34.3	18.5	10.4	11.2
Administration on Aging	na	na	na	na	na	na	2.9	2.5	2.7	3.5	3.0
Agency for Healthcare Research and Quality	na	na	na	na	na	44.2	93.0	97.8	105.6	141.2	124.0
Alcohol, Drug Abuse, and Mental Health Administration	179.7	191.5	241.1	286.6	384.7	415.0	463.9	na	na	na	na
Centers for Disease Control and Prevention	47.6	52.2	66.2	88.7	117.8	95.6	113.4	146.9	162.5	206.8	317.4
Centers for Medicare and Medicaid Services	33.5	29.0	27.3	28.2	49.1	49.1	69.1	75.5	68.2	80.0	74.5
Food and Drug Administration	82.1	79.4	85.0	91.0	99.0	99.0	125.0	135.7	154.5	169.4	170.5
Health Resources and Services Administration	17.3	11.2	8.0	9.0	9.3	10.7	9.5	8.8	8.5	9.8	11.2
Human Development Services	5.8	6.8	9.4	7.1	8.5	7.7	na	na	na	na	na
National Institutes of Health	1,410.1	1,469.0	1,739.1	1,885.6	2,008.5	2,074.1	2,193.5	2,341.3	2,942.9	3,197.4	3,273.6
Office of the Assistant Secretary for Health	0.0	0.0	0.0	0.0	0.0	5.8	9.6	6.0	0.0	0.0	0.0
Office of the Secretary	9.4	6.1	8.2	4.7	7.8	5.0	8.8	5.0	8.0	11.7	9.1
Social Security Administration	10.4	5.6	9.8	14.7	15.8	11.8	10.2	33.0	24.5	22.2	20.4
Department of Housing and Urban Development	6.5	5.3	5.5	6.3	6.1	6.6	9.4	8.8	8.1	13.7	14.2
Department of the Interior	231.0	234.9	247.3	266.0	253.0	269.8	324.1	339.7	349.8	566.9	477.3
Bureau of Land Management	2.8	2.1	2.1	2.2	2.0	2.1	4.8	5.3	7.4	0.0	0.0
Bureau of Mines	36.7	36.6	39.6	54.1	49.3	49.3	56.2	59.2	60.4	70.0	0.0
Bureau of Reclamation	10.9	9.6	10.1	3.6	3.5	5.2	7.7	10.7	7.4	5.5	6.0
Geological Survey	130.0	127.8	131.7	135.8	126.8	134.2	159.3	164.3	165.9	311.9	306.2
Minerals Management Service	1.4	1.1	1.0	1.2	2.2	1.9	2.7	3.8	5.8	20.6	20.0
National Biological Service	na	na	na	na	na	na	na	na	0.0	135.4	125.8
National Park Service	15.0	17.3	18.5	19.4	19.4	20.1	27.5	31.1	37.5	23.6	19.2
Office of Surface Mining Reclamation and Enforcement	2.0	2.3	1.0	1.0	0.7	0.7	1.0	0.3	0.5	0.0	0.0
Office of the Secretary	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.2	0.2	0.0	0.0
U.S. Fish and Wildlife Service	32.2	38.1	43.3	48.7	49.1	56.4	64.8	64.8	64.8	0.0	0.0
Department of Justice	15.1	17.0	11.8	9.8	10.7	11.1	14.7	15.0	20.5	20.0	17.7
Bureau of Prisons	1.1	2.7	2.2	2.1	2.1	1.8	1.9	2.5	2.5	2.1	3.2
Drug Enforcement Administration	0.5	0.8	0.7	0.6	0.5	0.4	0.9	0.1	*	0.1	0.0
Immigration and Naturalization Service	0.2	0.2	0.2	0.3	0.1	0.4	0.4	0.4	0.4	0.4	0.4
Office of Justice Programs	13.0	13.2	8.6	6.8	8.0	8.5	11.5	12.0	17.6	17.4	14.1
Office of Legal Policy	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Labor	9.1	8.7	19.0	26.4	21.8	21.3	24.0	23.6	13.4	13.7	16.6
Bureau of Labor Statistics	0.6	0.6	6.5	7.0	7.0	7.3	7.5	7.6	1.5	1.5	1.5
Employee Benefits Security Administration	1.6	0.3	1.0	2.7	1.4	2.1	2.5	2.6	2.6	2.7	3.6
Employment and Training Administration	0.3	2.6	4.0	6.5	5.7	5.7	6.3	5.4	3.3	2.9	4.2
Employment Standards Administration	*	0.0	1.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0

TABLE 112. Federal obligations for applied research, by agency: FY 1985-95

(Dollars in millions)

Agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Labor-Management Relations and Cooperative Programs	0.3	0.2	0.3	0.4	0.3	na	na	na	na	na	na
Occupational Safety and Health Administration	4.5	3.6	4.1	4.2	4.5	2.5	2.6	3.1	2.5	3.3	4.4
Office of the Secretary	1.7	1.3	1.8	5.2	2.5	3.3	4.7	4.1	2.9	3.1	2.9
Pension Benefit Guaranty Corporation	0.2	0.1	0.3	0.3	0.3	0.3	0.4	0.8	0.7	0.3	0.1
Department of State	1.5	1.5	0.3	1.0	1.3	1.2	1.3	0.7	0.5	0.4	0.5
Department of Transportation	70.2	67.6	68.6	91.2	120.5	119.2	114.6	155.7	224.4	270.4	323.9
Federal Aviation Administration	17.3	14.0	11.1	13.3	23.6	26.1	24.0	30.1	59.8	79.5	83.3
Federal Highway Administration	6.3	14.7	20.7	43.7	56.6	57.6	46.1	72.0	90.1	131.2	156.3
Federal Railroad Administration	11.4	12.5	10.4	8.2	7.5	8.5	13.2	18.9	20.9	16.1	22.5
Federal Transit Administration	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.9	7.8	10.9
Maritime Administration	7.0	6.2	3.1	0.5	0.0	0.9	1.7	1.8	1.7	1.7	2.5
National Highway Traffic Safety Administration	20.9	16.1	18.9	19.1	26.2	16.9	21.4	25.8	31.6	25.3	39.7
Office of the Secretary	0.9	0.4	0.4	0.7	1.3	1.7	0.6	0.7	0.6	0.6	0.6
Pipeline and Hazardous Materials Safety Administration	0.5	0.3	0.2	0.4	0.7	2.4	1.4	1.4	0.5	2.6	3.2
U.S. Coast Guard	5.4	3.5	3.7	5.4	4.6	5.1	6.4	5.0	8.2	5.6	4.9
Department of the Treasury	13.6	12.7	12.7	11.1	13.0	15.3	20.6	17.2	4.6	9.2	48.9
Bureau of Engraving and Printing	3.1	2.7	2.7	1.1	0.9	1.4	2.7	1.8	3.2	1.6	1.3
Internal Revenue Service	10.2	9.5	9.7	9.0	11.3	13.1	13.9	13.9	0.0	6.1	45.8
Office of Thrift Supervision	na	na	na	na	na	0.0	3.0	0.8	0.7	0.5	0.6
U.S. Customs Service	0.1	0.2	0.2	0.7	0.4	0.4	0.5	0.2	0.1	0.5	0.7
U.S. Secret Service	0.2	0.2	0.1	0.3	0.4	0.5	0.4	0.5	0.6	0.5	0.5
Department of Veterans Affairs	193.7	155.1	173.1	178.8	197.1	199.4	177.7	185.2	194.1	209.1	206.4
Other agencies											
Advisory Commission on Intergovernmental Relations	2.4	2.1	1.9	1.8	1.1	1.5	1.7	1.7	2.1	1.4	1.4
Agency for International Development	158.1	180.7	151.2	132.1	216.0	300.2	351.7	294.2	350.8	214.4	270.4
Appalachian Regional Commission	0.2	0.2	0.1	0.2	0.8	0.4	0.7	1.9	0.9	0.9	0.9
Consumer Product Safety Commission	1.4	1.1	0.6	0.1	0.5	0.4	0.9	0.8	0.8	0.1	0.0
Environmental Protection Agency	176.0	179.3	246.1	240.7	222.6	241.6	261.9	293.9	272.4	301.0	331.3
Federal Communications Commission	1.2	0.9	1.0	1.2	1.1	1.3	1.4	1.6	1.6	1.7	2.3
Federal Emergency Management Agency	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Federal Trade Commission	0.3	0.3	0.5	0.4	0.4	0.5	1.0	1.3	0.9	0.7	0.6
General Services Administration	0.3	0.9	1.6	2.3	0.5	0.7	0.0	0.0	0.0	0.0	0.0

TABLE 112. Federal obligations for applied research, by agency: FY 1985–95

(Dollars in millions)

Agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Library of Congress	1.5	1.1	1.1	1.2	1.2	1.2	1.3	1.4	1.4	1.5	1.6
National Aeronautics and Space Administration	1,032.7	1,152.3	1,255.5	1,218.9	1,461.4	1,423.8	1,665.6	1,491.1	1,748.6	1,876.7	2,067.9
National Archives and Records Administration	0.1	0.0	0.3	0.3	0.1	0.1	0.3	0.1	0.1	0.1	0.1
National Science Foundation	83.8	78.1	99.3	99.6	107.8	103.3	109.0	126.9	138.1	169.7	176.0
Nuclear Regulatory Commission	150.0	123.8	122.5	108.5	114.8	108.8	108.8	119.0	119.8	90.7	88.2
Office of Thrift Supervision	2.8	3.3	3.4	3.4	4.1	4.1	na	na	na	na	na
Tennessee Valley Authority	8.9	10.5	13.8	15.3	11.7	17.0	16.9	22.2	18.1	17.0	17.4
U.S. Arms Control and Disarmament Agency	1.1	0.9	0.4	0.8	1.2	0.2	0.4	2.1	1.5	1.3	1.1
U.S. Information Agency	0.1	1.6	0.0	0.1	0.0	0.5	0.1	0.0	1.1	0.6	0.3
U.S. International Trade Commission	5.8	6.9	7.2	8.1	8.7	9.1	9.9	12.3	12.2	9.4	12.2

* = amount greater than 0 but less than \$50,000.

na = not applicable (agency or subagency did not exist as such or in that organization in that year).

NOTES: Because of rounding, detail may not add to total. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 113. Federal obligations for applied research, by agency: FY 1996–2006

(Dollars in millions)

Agency	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
All agencies	13,795.7	14,423.4	15,309.3	16,083.9	18,900.8	22,755.6	24,338.4	26,320.4	27,237.1	28,626.9	28,041.0
Departments											
Department of Agriculture	670.0	700.0	730.1	744.8	803.5	900.6	880.3	907.6	998.9	1,110.9	928.0
Agricultural Marketing Service	4.2	4.2	4.0	4.0	4.3	4.1	4.4	4.1	7.9	7.9	5.6
Agricultural Research Service	256.6	261.3	288.0	316.4	327.3	358.0	381.5	382.3	450.2	453.5	408.4
Cooperative State Research, Education, and Extension Service	213.7	243.6	223.0	272.9	305.2	365.2	312.3	319.9	334.5	426.6	298.4
Economic Research Service	47.7	47.7	64.4	56.2	57.7	59.1	60.3	61.6	63.7	66.8	72.7
Food Safety Inspection Service	0.0	0.0	0.0	0.1	1.6	1.8	0.0	0.0	0.0	0.0	0.0
Foreign Agricultural Service	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.7	1.2	1.2	1.2
Forest Service	143.0	137.4	143.0	88.7	100.4	106.7	113.9	131.4	133.2	147.2	135.9
Grain Inspection, Packers, and Stockyards Administration	0.5	0.6	0.5	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0
National Agricultural Statistics Service	2.5	2.3	2.2	2.4	2.6	2.8	3.1	3.7	4.3	4.2	4.3
Rural Business-Cooperative Service	1.4	2.5	4.4	3.5	3.1	2.4	4.2	3.8	3.8	3.7	1.7
Department of Commerce	813.1	768.8	767.4	798.9	849.6	763.4	921.9	988.3	840.0	857.7	746.9
Economic Development Administration	0.6	0.6	0.6	0.6	0.6	0.6	0.4	0.5	0.2	0.5	0.0
National Institute of Standards and Technology	318.2	293.3	266.7	266.9	268.3	283.3	298.6	315.5	312.6	314.9	278.3
National Oceanic and Atmospheric Administration	480.8	468.8	491.7	523.7	574.1	470.8	615.7	665.6	519.9	535.2	458.4
National Telecommunications and Information Administration	11.9	3.8	3.8	3.8	4.0	4.2	4.1	6.4	6.3	6.3	9.2
Office of the Secretary	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Census Bureau	1.6	2.4	4.6	3.8	2.5	4.7	3.2	0.3	0.9	0.8	1.1
Department of Defense	2,857.6	2,786.9	2,939.1	3,102.1	3,690.2	4,796.9	4,452.8	4,419.5	4,281.7	4,976.1	4,479.7
Defense agencies and activities	1,211.1	1,088.2	1,258.7	1,343.9	1,482.2	1,633.4	1,754.2	1,699.2	1,685.5	2,007.9	2,201.8
Department of the Air Force	654.4	628.5	551.3	573.4	843.1	1,654.8	1,058.4	1,091.1	891.3	887.7	913.2
Materiel Command	na	na	na	na	na	na	1,056.3	1,078.5	891.3	887.7	913.2
Space Command	na	na	na	na	na	na	2.1	12.6	0.0	0.0	0.0
Department of the Army	475.3	531.7	635.9	667.3	765.6	879.7	886.9	877.0	1,028.8	1,233.4	750.8
Department of the Navy	516.8	538.5	493.2	517.5	599.3	629.0	753.3	752.2	676.1	847.1	613.9
Department of Education	132.1	135.0	146.7	146.6	161.5	180.9	178.3	196.1	201.9	185.2	215.8
Department of Energy	1,432.5	1,596.8	1,758.7	1,788.0	1,925.0	2,297.6	2,584.6	2,813.7	2,835.4	2,874.0	2,764.5
Bonneville Power Administration	NA	NA	NA	NA	NA	NA	11.1	11.4	12.0	12.2	12.7
Civilian Radioactive Waste Management	NA	NA	NA	NA	NA	NA	62.5	75.8	78.9	62.7	43.7
Energy Efficiency and Renewable Energy	NA	NA	NA	NA	NA	NA	233.6	279.9	244.3	250.4	263.7
Environmental Management	NA	NA	NA	NA	NA	NA	49.0	20.8	12.8	16.3	18.4
Fossil Energy	NA	NA	NA	NA	NA	NA	136.9	245.9	221.6	206.7	203.5

TABLE 113. Federal obligations for applied research, by agency: FY 1996–2006

(Dollars in millions)

Agency	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
National Nuclear Security Administration	NA	NA	NA	NA	NA	NA	2,046.1	2,147.7	2,193.6	2,245.4	2,129.8
Defense Programs	NA	NA	NA	NA	NA	NA	1,893.9	2,009.9	2,105.8	2,164.1	2,048.5
Nonproliferation and Verification	NA	NA	NA	NA	NA	NA	152.1	137.8	87.8	81.2	81.2
Nuclear Energy	NA	NA	NA	NA	NA	NA	42.5	29.4	69.4	80.4	92.6
Office of Science	NA	NA	NA	NA	NA	NA	3.0	2.8	2.9	0.0	0.0
Department of Health and Human Services	4,041.3	4,376.3	4,663.1	5,082.1	7,857.7	9,056.3	10,370.1	12,185.3	13,224.7	13,450.3	13,607.1
Administration for Children and Families	12.6	17.4	23.5	24.9	27.3	28.4	23.3	20.9	20.1	20.6	21.0
Administration on Aging	0.2	0.2	2.4	2.4	2.8	3.7	3.7	0.0	3.0	3.0	0.0
Agency for Healthcare Research and Quality	116.0	134.1	138.8	171.3	186.7	248.1	274.8	284.0	279.4	293.2	293.2
Agency for Toxic Substances and Disease Registry	na	na	na	na	14.7	13.1	12.4	14.3	10.7	9.5	9.8
Centers for Disease Control and Prevention	296.7	323.0	343.6	433.3	505.0	544.0	521.0	564.0	539.8	485.2	485.2
Centers for Medicare and Medicaid Services	52.7	43.6	51.2	49.7	61.5	138.0	117.0	73.6	77.6	78.1	45.2
Food and Drug Administration	170.8	158.6	142.9	130.8	144.2	151.6	136.3	138.3	132.3	150.6	149.1
Health Resources and Services Administration	10.1	12.1	11.9	11.6	34.5	13.9	15.2	14.0	14.9	14.9	14.9
National Institutes of Health	3,373.3	3,669.0	3,934.9	4,244.2	6,864.2	7,890.5	9,266.3	11,056.4	12,125.9	12,376.2	12,569.6
Office of the Secretary	9.0	18.4	13.9	13.9	16.7	24.9	0.0	19.9	21.1	19.0	19.0
Office of the Assistant Secretary, Planning and Evaluation	9.0	18.4	13.9	13.9	16.7	24.9	0.0	19.9	21.1	19.0	19.0
Department of Homeland Security	na	na	na	na	na	na	na	NA	246.9	371.8	348.9
Science and Technology Directorate	na	na	na	na	na	na	na	NA	199.4	309.9	311.2
Transportation Security Administration	na	na	na	na	na	na	na	NA	41.5	52.8	36.6
U.S. Coast Guard	na	na	na	na	na	na	na	NA	5.1	8.0	0.0
U.S. Secret Service	na	na	na	na	na	na	na	NA	1.0	1.1	1.1
Department of Housing and Urban Development	11.2	11.3	9.2	19.1	15.5	17.9	16.2	14.0	17.5	17.8	14.6
Department of the Interior	486.0	496.2	454.1	550.9	496.6	511.0	511.6	492.7	509.9	500.3	465.0
Bureau of Reclamation	4.9	5.4	6.6	7.7	7.4	7.3	3.6	3.3	3.8	4.8	3.5
Geological Survey	439.5	444.8	389.0	491.5	425.8	470.9	464.1	456.2	467.4	459.1	431.0
Minerals Management Service	21.9	20.6	29.3	28.8	29.2	24.5	31.2	26.7	27.2	27.9	25.2
National Park Service	19.7	25.5	29.2	22.9	34.2	8.3	12.6	6.5	11.5	8.5	5.4
Department of Justice	19.5	20.1	26.0	36.2	27.8	36.8	23.8	25.4	32.6	35.0	31.9
Bureau of Prisons	3.1	1.9	4.3	7.4	3.4	8.5	3.6	4.8	5.0	4.7	4.7
Drug Enforcement Administration	*	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Immigration and Naturalization Service	0.2	0.4	0.0	0.0	0.0	0.0	0.0	na	na	na	na
Office of Justice Programs	16.1	17.8	21.7	28.8	24.4	28.3	20.1	20.6	27.6	30.4	27.3

TABLE 113. Federal obligations for applied research, by agency: FY 1996–2006

(Dollars in millions)

Agency	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
Department of Labor	15.2	10.4	11.0	16.6	35.1	18.7	15.3	23.2	23.8	23.4	24.3
Bureau of Labor Statistics	1.8	1.3	1.3	1.3	1.3	8.1	8.3	7.5	8.7	9.1	9.0
Employee Benefits Security Administration	2.3	2.0	2.7	2.5	2.7	3.3	2.7	2.7	2.5	2.7	2.7
Employment and Training Administration	2.6	1.5	2.2	8.8	25.0	0.0	0.0	9.0	9.0	8.0	9.0
Occupational Safety and Health Administration	6.6	5.5	4.6	3.8	5.8	5.7	3.8	3.1	3.4	3.4	3.5
Office of the Secretary	1.8	0.1	0.1	0.2	0.3	1.5	0.3	0.8	0.1	0.1	0.1
Pension Benefit Guaranty Corporation	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Department of State	0.9	1.0	0.9	1.5	1.5	2.2	2.3	2.3	3.0	2.3	2.4
Department of Transportation	336.7	343.7	366.1	416.0	328.2	422.7	494.6	408.4	340.3	441.7	491.7
Federal Aviation Administration	130.6	159.4	151.6	142.3	164.4	186.1	244.8	135.6	118.3	149.5	130.0
Federal Highway Administration	135.4	111.6	134.6	187.2	76.7	135.3	121.1	168.3	181.9	187.8	260.2
Federal Motor Carrier Safety Administration	na	na	na	na	2.8	8.0	0.2	6.8	6.4	8.3	9.6
Federal Railroad Administration	21.3	18.2	21.2	20.3	24.2	23.8	29.7	28.7	24.3	30.6	25.1
Federal Transit Administration	5.6	6.0	7.4	4.8	0.0	0.0	0.6	0.0	*	0.3	0.3
National Highway Traffic Safety Administration	33.2	36.4	41.6	50.4	50.6	58.3	59.6	65.4	6.7	61.1	62.4
Pipeline and Hazardous Materials Safety Administration	5.6	6.3	4.6	6.0	4.5	5.2	3.7	3.5	2.6	3.1	2.3
Research and Innovative Technology Administration	na	na	na	na	na	na	na	na	0.0	0.9	1.7
Transportation Security Administration	na	na	na	na	na	na	28.3	na	na	na	na
U.S. Coast Guard	5.0	5.7	5.1	5.1	5.0	5.9	6.4	na	na	na	na
Department of the Treasury	50.4	50.8	52.5	50.7	51.2	63.2	61.1	58.5	61.2	62.9	64.7
Bureau of Engraving and Printing	1.5	1.6	2.6	2.0	2.6	4.7	4.6	4.1	3.9	5.4	5.3
Internal Revenue Service	47.5	47.9	47.9	48.0	47.4	56.6	55.5	54.4	57.3	57.5	59.5
Office of Thrift Supervision	0.5	0.6	0.7	0.1	0.1	0.1	0.1	0.0	na	na	na
U.S. Customs Service	0.5	0.4	0.8	0.0	0.0	1.0	*	na	na	na	na
U.S. Secret Service	0.5	0.4	0.5	0.5	1.0	0.7	0.8	na	na	na	na
Department of Veterans Affairs	222.8	217.4	149.1	183.8	185.4	196.1	172.6	185.6	209.2	207.6	202.8
Other agencies											
Agency for International Development	203.0	176.5	171.1	163.7	189.2	239.1	247.5	262.3	241.3	235.0	235.0
Appalachian Regional Commission	0.9	0.9	0.7	0.8	0.6	0.7	0.7	0.7	0.6	0.8	0.8
Broadcasting Board of Governors	na	na	na	na	0.1	*	0.3	0.0	1.0	0.3	*
Consumer Product Safety Commission	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	na	na	na

TABLE 113. Federal obligations for applied research, by agency: FY 1996–2006

(Dollars in millions)

Agency	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
Environmental Protection Agency	329.1	358.0	419.8	400.0	352.1	276.2	259.9	365.4	422.9	365.1	385.5
Federal Communications Commission	2.8	3.1	3.0	4.5	2.8	2.7	4.4	4.5	4.1	4.7	6.1
Federal Trade Commission	0.5	0.7	1.1	1.3	0.7	0.7	1.8	2.3	1.6	1.6	1.6
Library of Congress	1.6	0.5	0.5	0.5	0.6	2.0	1.7	0.5	14.4	2.2	1.2
National Aeronautics and Space Administration	1,897.1	2,090.1	2,389.9	2,317.0	1,658.5	2,706.6	2,853.8	2,645.7	2,355.9	2,500.2	2,625.2
National Archives and Records Administration	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
National Science Foundation	181.0	191.8	170.7	146.5	185.5	180.9	185.5	217.6	265.6	279.1	276.3
Nuclear Regulatory Commission	70.9	62.1	51.7	49.0	53.0	53.0	74.3	64.0	72.1	70.8	61.4
Social Security Administration	11.5	13.6	17.4	53.3	28.8	28.9	22.8	36.8	30.4	50.0	59.4
Tennessee Valley Authority	3.9	4.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Arms Control and Disarmament Agency	0.7	1.2	1.2	na	na	na	na	na	na	na	na
U.S. Information Agency	0.1	0.2	0.3	0.1	na	na	na	na	na	na	na
U.S. International Trade Commission	3.2	5.7	7.2	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0

* = amount greater than 0 but less than \$50,000.

na = not applicable (agency or subagency did not exist as such or in that organization in that year).

NA = not available (data collected for this table were not recorded at that level in that particular fiscal year).

NOTES: Because of rounding, detail may not add to total. Data for only those agencies and subdivisions that had outlays in variables represented by this table appear in table. In FY 2000, National Aeronautics and Space Administration reclassified Space Station as a physical asset, reclassified Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant; and National Institutes of Health reclassified all of its development activities as research. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 114. Federal obligations for development, by agency: FY 1985-95

(Dollars in millions)

Agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
All agencies	32,226.1	34,910.2	37,313.2	38,119.3	40,641.0	41,937.1	37,326.8	41,102.0	40,423.5	39,824.2	39,752.4
Departments											
Department of Agriculture	32.0	32.1	29.0	31.4	36.1	47.1	61.2	66.1	76.1	77.4	81.4
Agricultural Marketing Service	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.6	0.6	0.6	0.6
Agricultural Research Service	27.7	27.4	24.0	26.3	31.4	33.3	40.2	43.9	52.8	54.3	54.7
Animal and Plant Health Inspection Service	0.0	0.0	0.0	0.0	0.0	8.0	15.7	16.7	17.1	19.2	19.1
Forest Service	3.3	3.6	3.8	4.0	3.9	4.8	4.5	4.9	5.5	3.3	5.8
Grain Inspection, Packers, and Stockyards Administration	0.2	0.3	0.5	0.4	0.3	0.4	0.1	0.0	0.0	0.0	1.2
Office of International Cooperation and Development	0.4	0.3	0.3	0.2	0.1	0.2	0.2	0.0	0.0	0.0	na
Office of Transportation	0.2	0.1	0.1	0.1	na	na	na	na	na	na	na
Department of Commerce	74.6	59.7	63.7	46.6	46.9	61.2	39.9	55.3	74.2	107.8	243.7
Economic Development Administration	11.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Institute of Standards and Technology	14.0	11.6	9.3	9.1	10.0	10.5	15.6	29.6	34.3	45.9	191.2
National Oceanic and Atmospheric Administration	45.4	37.2	51.7	34.8	34.1	47.7	22.4	23.7	37.8	59.9	50.6
National Telecommunications and Information Administration	1.2	0.8	0.8	0.8	0.9	0.9	0.0	0.0	0.0	0.0	0.0
Office of the Secretary	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Census Bureau	2.4	2.1	1.9	1.9	2.0	2.0	1.9	2.0	2.1	2.0	1.9
Department of Defense	26,623.2	29,710.7	31,884.0	32,009.7	33,920.8	33,738.9	28,416.9	32,056.1	31,065.7	30,312.6	29,597.9
Defense agencies and activities	1,964.8	3,910.7	4,353.5	4,868.4	5,616.8	5,780.2	5,919.4	6,114.4	5,766.0	5,553.1	5,731.2
Department of the Air Force	12,524.3	12,834.8	14,562.9	14,094.2	14,430.0	14,055.1	10,107.1	12,636.6	11,747.5	11,713.1	10,963.4
Department of the Army	3,747.4	3,982.1	4,109.6	4,052.3	4,835.9	4,903.8	5,221.0	5,921.5	5,190.5	4,721.5	4,567.2
Department of the Navy	8,336.1	8,865.9	8,721.1	8,766.2	8,882.9	8,778.6	6,932.0	7,138.0	8,106.8	8,081.9	8,083.3
Operational Test and Evaluation, Director	na	0.0	8.4	68.2	14.4	32.6	13.6	12.4	12.3	11.2	21.7
Test and Evaluation, Deputy Under Secretary of Defense	50.6	117.1	128.5	160.3	140.7	188.7	223.7	233.2	242.5	231.8	231.0
Department of Education	33.0	25.5	25.6	29.7	37.2	39.7	39.4	41.5	44.1	39.9	39.3
Department of Energy	2,825.0	2,648.0	2,659.4	2,801.0	2,760.9	3,060.1	2,709.5	2,759.7	2,821.9	2,765.5	2,685.0
Department of Health and Human Services	422.7	468.0	584.3	661.1	814.4	938.5	1,593.5	1,042.3	1,156.6	1,285.1	1,379.3
Administration for Children and Families	na	na	na	na	na	na	115.5	4.8	1.4	0.9	0.8
Administration on Aging	na	na	na	na	na	na	17.7	17.8	18.2	15.6	17.7
Agency for Healthcare Research and Quality	na	na	na	na	na	5.5	8.1	8.5	9.2	12.4	11.3
Alcohol, Drug Abuse, and Mental Health Administration	1.1	1.2	2.2	2.4	3.0	41.5	537.6	na	na	na	na
Health Resources and Services Administration	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	1.0

TABLE 114. Federal obligations for development, by agency: FY 1985-95

(Dollars in millions)

Agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Human Development Services	18.5	47.8	43.6	46.8	93.2	87.7	na	na	na	na	na
National Institutes of Health	399.6	417.5	536.2	610.2	716.5	800.7	912.5	1,010.5	1,126.6	1,249.6	1,348.2
Office of the Assistant Secretary for Health	1.7	1.5	2.3	1.6	1.7	1.1	0.4	0.7	1.2	0.8	0.3
Office of the Secretary	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Social Security Administration	0.0	0.0	0.0	0.0	0.0	2.1	1.7	0.0	0.0	0.0	0.0
Department of Housing and Urban Development	12.0	10.1	10.8	12.1	11.9	12.7	18.4	16.3	15.5	25.9	27.7
Department of the Interior	22.4	17.3	21.7	24.3	27.1	33.3	39.5	38.6	39.0	43.9	29.2
Bureau of Land Management	1.6	1.3	1.6	1.5	1.0	0.7	2.8	0.4	0.9	0.0	0.0
Bureau of Mines	3.3	2.8	3.6	5.2	5.4	9.4	7.1	4.2	6.9	12.5	0.0
Bureau of Reclamation	2.0	0.5	0.5	0.7	0.6	0.5	0.9	2.5	2.8	1.8	2.0
Geological Survey	4.4	7.4	10.3	10.9	12.9	15.1	18.2	16.9	12.8	15.7	14.1
National Biological Service	na	na	na	na	na	na	na	na	0.0	13.8	13.0
Office of the Secretary	0.0	0.0	0.0	0.3	0.4	0.2	0.5	0.7	0.2	0.1	*
U.S. Fish and Wildlife Service	11.1	5.3	5.7	5.7	6.7	7.4	10.0	13.9	15.3	0.0	0.0
Department of Justice	16.7	14.1	22.5	25.7	20.6	20.6	27.8	27.7	23.3	19.2	32.1
Bureau of Prisons	0.4	0.3	4.9	3.9	3.0	2.7	3.3	3.4	3.6	3.3	2.5
Drug Enforcement Administration	1.1	1.7	1.5	1.9	2.2	2.0	1.8	1.3	0.8	0.8	0.4
Federal Bureau of Investigation	9.5	7.2	8.0	12.7	7.7	8.2	10.8	10.9	11.3	7.0	10.9
Immigration and Naturalization Service	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Office of Justice Programs	5.5	4.7	7.9	7.1	7.8	7.7	11.9	12.1	7.5	8.1	18.3
Department of Labor	0.9	0.9	1.2	8.9	13.3	51.4	19.7	27.9	36.1	40.1	25.5
Employment and Training Administration	0.0	0.0	0.3	8.0	9.7	47.4	15.5	26.1	32.5	36.9	21.4
Office of the Secretary	0.9	0.9	0.9	0.9	3.6	3.8	4.0	1.7	3.0	2.2	3.4
Pension Benefit Guaranty Corporation	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.6	1.0	0.7
Department of Transportation	357.6	317.3	256.2	213.4	182.9	247.4	265.3	288.1	319.3	347.4	356.2
Federal Aviation Administration	269.0	246.6	156.2	147.3	123.2	189.9	196.2	206.1	189.1	206.1	205.1
Federal Highway Administration	42.6	30.8	56.0	30.4	34.4	33.8	40.8	57.0	83.1	101.5	109.4
Federal Railroad Administration	3.6	2.9	0.8	1.8	1.5	1.7	2.7	3.9	4.3	3.4	4.0
Federal Transit Administration	9.7	8.2	12.6	2.3	1.4	1.6	1.7	1.7	13.3	12.1	17.9
Maritime Administration	5.9	2.6	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Highway Traffic Safety Administration	7.2	6.3	9.0	9.2	3.5	0.0	0.0	0.0	0.0	0.0	0.0
Office of the Secretary	3.9	4.7	4.1	5.0	4.2	5.1	3.7	3.4	3.9	4.9	3.3
Pipeline and Hazardous Materials Safety Administration	2.2	1.7	1.8	1.7	1.3	0.0	1.0	1.1	0.8	2.7	1.8
U.S. Coast Guard	13.6	13.4	13.3	15.7	13.3	15.2	19.2	15.0	24.7	16.7	14.8

TABLE 114. Federal obligations for development, by agency: FY 1985–95

(Dollars in millions)

Agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Department of the Treasury	6.0	6.3	9.5	10.2	9.3	6.9	6.7	3.8	5.5	9.8	12.4
Bureau of Engraving and Printing	1.6	1.1	1.7	0.8	0.3	0.7	0.8	0.2	0.0	0.1	0.5
Financial Crimes Enforcement Network	0.0	0.0	0.0	0.0	0.0	0.0	2.3	1.2	1.5	0.0	0.0
Internal Revenue Service	1.3	0.2	0.4	0.7	0.3	0.3	0.4	0.4	0.0	5.2	3.9
U.S. Customs Service	2.1	4.6	6.8	8.5	6.4	5.8	3.2	2.0	3.9	4.0	7.7
U.S. Mint	0.6	0.3	0.2	0.1	2.0	0.1	0.1	0.0	0.1	0.5	0.3
U.S. Secret Service	0.5	*	0.3	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Department of Veterans Affairs	17.5	16.3	19.2	19.2	21.0	22.1	22.8	23.0	28.7	24.5	19.1
Other agencies											
Agency for International Development	60.5	66.2	63.5	69.3	60.0	29.3	20.4	65.9	23.0	38.1	29.8
Consumer Product Safety Commission	1.0	0.9	1.6	0.9	0.8	0.7	0.4	0.3	0.4	0.2	0.4
Environmental Protection Agency	105.8	99.5	71.0	79.5	107.0	104.5	79.5	79.6	133.7	151.2	149.9
Federal Emergency Management Agency	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
General Services Administration	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Library of Congress	5.0	5.0	5.0	5.5	6.4	7.0	7.3	8.5	8.7	8.1	8.0
National Aeronautics and Space Administration	1,543.6	1,350.8	1,517.8	1,998.8	2,514.7	3,472.6	3,909.1	4,428.3	4,471.1	4,455.7	4,968.9
National Archives and Records Administration	0.3	1.0	0.4	0.2	0.1	0.1	0.1	0.1	*	0.0	0.0
Tennessee Valley Authority	65.1	59.8	60.2	68.8	48.0	43.2	49.5	72.9	80.6	71.9	66.7
U.S. Arms Control and Disarmament Agency	0.0	0.1	3.2	2.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Information Agency	0.0	0.4	3.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0

* = amount greater than 0 but less than \$50,000.

na = not applicable (agency or subagency did not exist as such or in that organization in that year).

NOTES: Because of rounding, detail may not add to total. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 115. Federal obligations for development, by agency: FY 1996–2006

(Dollars in millions)

Agency	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
All agencies	39,393.3	40,461.5	41,178.5	41,813.1	34,392.7	35,219.5	37,846.3	42,589.5	48,018.7	53,647.9	53,415.0
Departments											
Department of Agriculture	80.3	98.5	107.1	126.1	135.4	155.3	161.3	170.5	183.4	190.2	174.0
Agricultural Marketing Service	0.6	0.6	0.7	0.7	0.8	0.7	0.8	0.7	1.0	1.1	1.0
Agricultural Research Service	54.0	61.9	68.2	77.0	79.6	89.5	95.4	95.6	109.8	110.6	99.6
Animal and Plant Health Inspection Service	18.0	19.8	20.5	20.4	20.6	25.4	23.7	28.0	24.4	25.6	22.6
Food Safety Inspection Service	*	*	0.1	0.4	0.3	0.4	0.0	0.0	0.0	0.0	0.0
Forest Service	5.6	13.9	15.5	27.6	31.2	33.2	35.4	40.9	41.4	45.8	42.3
Grain Inspection, Packers, and Stockyards Administration	2.0	2.2	2.2	0.0	2.9	6.1	6.0	5.3	6.7	7.1	8.5
Department of Commerce	216.9	195.1	141.6	142.2	140.7	169.6	156.9	153.8	171.0	154.9	91.3
National Institute of Standards and Technology	161.6	128.9	89.0	93.3	95.6	85.2	96.7	95.0	84.5	67.3	6.6
National Oceanic and Atmospheric Administration	47.7	40.5	27.4	18.4	18.7	22.1	22.0	19.8	46.3	67.1	60.3
National Telecommunications and Information Administration	3.8	24.0	21.8	21.4	17.7	46.2	15.5	17.1	17.8	0.0	0.0
U.S. Census Bureau	3.8	1.7	3.4	9.1	8.7	16.1	22.7	21.9	22.4	20.5	24.4
Department of Defense	30,539.9	30,978.4	31,316.3	31,503.6	28,246.7	28,616.4	31,291.8	36,215.6	41,397.0	46,001.2	46,375.6
Defense agencies and activities	6,184.4	6,106.3	6,387.8	5,800.0	5,291.5	6,871.8	9,422.2	10,290.9	11,189.0	13,317.9	12,165.5
Department of the Air Force	12,159.8	13,135.0	13,102.2	13,257.6	9,958.5	7,801.8	5,526.9	7,063.7	8,410.5	8,201.6	9,316.7
Materiel Command	na	na	na	na	na	na	3,313.6	4,324.7	5,365.4	5,312.1	5,670.7
Space Command	na	na	na	na	na	na	2,213.3	2,738.9	3,045.2	2,889.5	3,646.0
Department of the Army	4,203.2	4,111.1	4,219.9	4,190.5	4,352.8	5,135.7	5,965.1	6,492.0	7,751.9	8,177.3	7,890.8
Department of the Navy	7,712.9	7,329.8	7,334.1	7,953.5	8,354.0	8,576.6	10,144.1	12,133.4	13,747.5	15,994.4	16,823.9
Operational Test and Evaluation, Director	21.9	26.6	30.3	44.7	32.9	205.3	233.5	235.7	298.2	310.0	178.6
Test and Evaluation, Deputy Under Secretary of Defense	257.7	269.7	242.0	257.3	257.0	25.3	na	na	na	na	na
Department of Education	38.2	43.2	55.7	75.1	83.8	94.4	102.1	101.2	100.6	100.6	90.0
Department of Energy	1,982.8	2,035.8	2,086.3	2,089.9	1,962.2	2,074.9	1,981.7	2,151.3	2,055.7	2,575.9	1,980.5
Bonneville Power Administration	NA	NA	NA	NA	NA	NA	8.7	8.7	9.3	9.2	9.6
Energy Efficiency and Renewable Energy	NA	NA	NA	NA	NA	NA	446.2	371.8	317.0	286.0	324.7
Environmental Management	NA	NA	NA	NA	NA	NA	73.5	48.6	30.0	38.0	43.0
Fossil Energy	NA	NA	NA	NA	NA	NA	218.3	383.5	294.9	861.0	265.6

TABLE 115. Federal obligations for development, by agency: FY 1996–2006

(Dollars in millions)

Agency	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
National Nuclear Security Administration	NA	NA	NA	NA	NA	NA	1,229.8	1,317.0	1,399.8	1,380.4	1,336.2
Defense Programs	NA	NA	NA	NA	NA	NA	478.7	566.8	621.5	580.7	556.9
Fissile Materials Disposition	NA	NA	NA	NA	NA	NA	27.4	25.1	1.0	0.0	0.0
Naval Reactors	NA	NA	NA	NA	NA	NA	637.0	650.0	708.6	741.4	721.0
Nonproliferation and Verification	NA	NA	NA	NA	NA	NA	86.8	75.1	68.7	58.4	58.4
Nuclear Energy	NA	NA	NA	NA	NA	NA	0.0	17.7	4.8	1.4	1.5
Office of Intelligence	NA	NA	NA	NA	NA	NA	5.3	4.0	0.0	0.0	0.0
Department of Health and Human Services	1,405.2	1,557.2	1,883.2	2,200.1	512.8	693.3	780.7	111.3	142.0	149.7	120.2
Administration on Aging	3.5	4.3	8.0	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agency for Healthcare Research and Quality	9.2	9.9	7.7	10.9	11.9	21.6	23.9	24.7	24.3	25.5	25.5
Health Resources and Services Administration	0.0	0.0	0.0	0.0	0.0	34.9	36.8	26.7	30.5	35.2	4.0
National Institutes of Health	1,374.1	1,473.3	1,591.0	1,879.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Office of the Secretary	1.7	0.6	3.1	3.8	3.1	2.5	2.5	2.6	0.0	0.0	0.0
Office of Public Health and Science	1.7	0.6	3.1	3.8	3.1	2.5	2.5	2.6	0.0	0.0	0.0
Substance Abuse and Mental Health Services Administration	16.7	69.1	273.4	289.3	497.8	634.3	717.6	57.2	87.2	88.9	90.7
Department of Homeland Security	na	na	na	na	na	na	na	NA	532.6	840.1	829.7
Science and Technology Directorate	na	na	na	na	na	na	na	NA	507.7	789.1	792.5
Transportation Security Administration	na	na	na	na	na	na	na	NA	15.0	35.2	37.3
U.S. Coast Guard	na	na	na	na	na	na	na	NA	9.9	15.8	0.0
Department of Housing and Urban Development	22.0	22.2	18.8	37.9	30.1	34.9	29.1	25.1	29.2	29.5	27.0
Department of the Interior	25.5	27.2	29.1	31.5	31.4	46.9	75.4	63.3	58.1	56.7	65.9
Bureau of Reclamation	1.6	1.7	2.2	2.6	2.5	2.4	6.8	6.1	7.1	8.9	6.5
Geological Survey	23.8	25.5	26.9	28.9	29.0	41.5	60.1	53.3	48.2	45.8	58.1
National Park Service	0.0	0.0	0.0	0.0	0.0	2.9	8.6	3.9	2.8	2.0	1.4
Department of Justice	45.2	52.3	58.6	64.6	30.9	41.6	50.0	91.6	58.2	60.6	67.2
Bureau of Prisons	2.2	2.7	3.8	3.5	4.3	5.6	5.1	5.0	5.8	5.9	5.9
Drug Enforcement Administration	1.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Federal Bureau of Investigation	33.5	35.5	35.8	36.3	10.0	19.0	33.6	42.8	34.0	33.5	34.3
Immigration and Naturalization Service	0.0	0.0	0.0	0.2	0.6	0.9	0.0	na	na	na	na
Office of Justice Programs	8.5	14.0	19.0	24.5	16.1	16.0	11.4	43.8	18.5	21.3	27.0
Department of Labor	25.8	13.3	5.7	26.4	37.5	40.3	120.9	152.8	161.9	191.4	196.8
Employment and Training Administration	24.3	12.6	5.0	25.0	35.9	35.9	119.3	151.0	161.0	190.0	195.0
Office of the Secretary	0.8	0.1	0.1	0.8	1.0	3.8	0.9	1.0	0.1	0.1	*
Pension Benefit Guaranty Corporation	0.6	0.6	0.6	0.6	0.7	0.6	0.7	0.8	0.9	1.3	1.7

TABLE 115. Federal obligations for development, by agency: FY 1996–2006

(Dollars in millions)

Agency	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
Department of Transportation	177.3	145.7	165.1	190.3	123.0	228.7	284.6	260.4	269.1	245.5	239.1
Federal Aviation Administration	77.7	49.7	76.4	63.0	54.6	100.8	100.3	109.4	99.5	83.6	72.0
Federal Highway Administration	66.1	61.1	57.7	85.4	33.9	82.5	119.8	112.4	121.5	109.0	140.6
Federal Motor Carrier Safety Administration	na	na	na	na	1.1	3.4	3.6	0.0	0.0	0.0	0.0
Federal Railroad Administration	5.4	0.7	0.3	0.6	3.1	0.3	3.5	3.4	4.3	4.5	3.7
Federal Transit Administration	8.1	11.1	10.2	15.7	8.9	8.0	5.2	7.1	4.6	7.3	2.0
Office of the Secretary	2.8	3.5	3.4	9.1	4.0	13.0	18.4	21.0	31.8	21.0	9.0
Pipeline and Hazardous Materials Safety Administration	2.1	2.4	1.7	1.3	2.3	3.1	6.4	7.1	7.4	18.5	9.8
Research and Innovative Technology Administration	na	na	na	na	na	na	na	na	0.0	1.6	2.1
Transportation Security Administration	na	na	na	na	na	na	11.8	na	na	na	na
U.S. Coast Guard	15.0	17.2	15.3	15.2	15.0	17.7	15.6	na	na	na	na
Department of the Treasury	9.5	8.8	12.5	14.0	10.3	4.5	12.6	1.3	1.2	4.7	4.9
Bureau of Engraving and Printing	0.1	0.1	0.1	0.1	0.2	*	1.8	0.6	0.2	0.6	0.6
Internal Revenue Service	3.7	3.0	4.1	7.8	7.0	0.7	0.0	0.0	0.0	0.0	0.0
U.S. Customs Service	5.7	5.8	8.3	5.3	1.8	3.0	10.6	na	na	na	na
U.S. Mint	0.0	*	0.1	0.8	1.3	0.8	0.3	0.7	1.0	4.1	4.3
Department of Veterans Affairs	20.8	21.7	8.0	6.8	7.0	6.8	14.5	15.8	21.3	21.2	20.7
Other agencies											
Agency for International Development	18.0	29.7	39.1	39.3	29.5	27.8	22.2	23.6	23.4	21.5	21.5
Consumer Product Safety Commission	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	na	na	na
Environmental Protection Agency	83.5	83.1	94.0	95.8	91.5	99.8	91.5	105.3	125.1	140.9	113.0
Federal Communications Commission	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	2.5	0.5
Library of Congress	8.4	1.9	1.1	1.8	1.9	1.1	1.3	1.2	1.6	6.9	0.5
National Aeronautics and Space Administration	4,692.1	5,142.4	5,154.4	5,167.8	2,917.9	2,883.1	2,669.7	2,945.5	2,683.1	2,854.0	2,996.7
Tennessee Valley Authority	1.9	4.9	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

* = amount greater than 0 but less than \$50,000.

na = not applicable (agency or subagency did not exist as such or in that organization in that year).

NA = not available (data collected for this table were not recorded at that level in that particular fiscal year).

NOTES: Because of rounding, detail may not add to total. Data for only those agencies and subdivisions that had outlays in variables represented by this table appear in table. In FY 2000, National Aeronautics and Space Administration reclassified Space Station as a physical asset, reclassified Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant; and National Institutes of Health reclassified all of its development activities as research. In FY 2003 Substance Abuse and Mental Health Services Administration reclassified some of its funding categories that were considered R&D in prior years. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 116. Federal obligations for research and development, by performer: FY 1985–2006

(Dollars in millions)

Fiscal year	Total R&D	Intramural ^a	Extramural							Foreign
			United States and U.S. territories						State, local governments	
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC		
1985	48,359.6	12,945.4	21,704.9	1,790.8	6,339.7	2,816.4	1,699.2	689.2	129.4	244.5
1986	51,412.4	13,534.9	24,201.2	1,697.0	6,558.8	2,767.7	1,677.0	551.2	128.4	296.3
1987	55,253.7	13,413.1	26,768.2	1,860.0	7,337.3	3,209.6	1,711.4	510.6	148.2	295.3
1988	56,769.4	14,114.6	26,719.2	1,911.3	7,827.7	3,473.9	1,683.2	505.6	142.1	391.8
1989	61,406.5	15,024.6	28,547.9	2,056.3	8,672.0	3,497.1	1,999.9	522.0	167.4	919.4
1990	63,559.5	15,848.9	29,370.0	2,326.8	9,137.5	3,449.8	2,248.2	621.6	213.9	342.6
1991	61,295.2	15,138.2	26,420.6	2,168.3	10,168.5	3,603.8	2,637.4	679.4	215.1	263.9
1992	65,592.6	15,582.8	29,744.8	2,117.0	10,271.2	3,855.5	2,803.6	745.6	184.1	287.9
1993	67,314.0	16,663.3	30,219.0	1,451.3	11,208.4	3,614.2	2,811.9	753.4	320.3	272.2
1994	67,235.4	16,132.1	30,454.9	1,293.5	11,796.9	3,292.9	2,936.9	736.0	325.4	266.8
1995	68,186.8	17,024.8	30,236.1	1,201.8	11,927.5	3,561.6	2,834.1	825.1	316.5	259.2
1996	67,653.0	16,540.4	30,373.8	1,137.0	11,977.8	3,447.1	2,886.8	755.2	246.7	288.3
1997	69,826.8	16,718.2	31,419.3	1,128.2	12,559.0	3,701.0	2,961.6	821.0	261.1	257.5
1998	72,100.7	17,121.5	31,998.6	1,188.9	13,380.7	3,890.2	3,171.3	603.0	447.5	299.1
1999	75,340.6	18,084.7	31,901.7	1,328.0	14,959.1	3,896.4	3,608.7	913.2	357.5	291.4
2000	72,863.3	17,149.8	27,735.1	1,100.9	16,821.0	4,053.2	4,211.2	1,231.5	224.0	336.7
2001	79,933.2	20,219.8	27,006.2	1,186.6	19,587.9	4,617.7	5,138.8	1,269.1	450.6	456.5
2002	85,853.0	21,044.8	29,538.2	1,351.1	21,290.1	4,641.2	5,739.1	1,404.8	452.2	391.6
2003	93,661.3	22,861.6	33,852.7	1,507.6	22,693.5	4,754.2	5,706.7	1,352.8	400.0	532.4
2004	101,376.5	22,423.2	39,214.6	1,543.1	24,169.7	5,400.9	5,623.7	1,443.2	880.1	677.9
2005 (preliminary)	109,194.2	24,907.9	43,518.4	1,619.3	24,870.4	5,530.9	5,813.4	1,468.8	883.3	581.7
2006 (preliminary)	108,394.1	24,251.3	44,314.8	1,502.9	24,277.1	5,431.6	5,724.3	1,465.4	878.4	548.3

FFRDC = federally funded research and development center.

^a Intramural activities cover costs associated with administration of intramural and extramural programs by federal personnel as well as actual intramural performance.

NOTES: Because of rounding, detail may not add to total. Data for only those agencies and subdivisions that had outlays in variables represented by this table appear in table. In FY 2000, National Aeronautics and Space Administration reclassified Space Station as a physical asset, reclassified Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant; and National Institutes of Health reclassified all of its development activities as research. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 117. Federal obligations for research, by performer: FY 1985–2006
(Dollars in millions)

Fiscal year	Extramural									
	Total	Intramural ^a	United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
1985	16,133.4	5,056.1	2,074.4	485.9	5,726.3	1,421.3	1,045.1	97.0	89.5	137.9
1986	16,502.2	5,160.3	2,280.5	482.1	5,883.4	1,291.7	1,062.9	87.9	91.0	162.4
1987	17,940.5	5,437.7	2,448.6	433.5	6,640.2	1,471.0	1,207.5	89.8	90.2	121.9
1988	18,650.1	5,338.4	2,642.5	455.2	7,022.9	1,564.8	1,300.0	82.9	103.1	140.4
1989	20,765.5	5,897.0	2,875.0	604.3	7,793.1	1,703.4	1,519.8	109.5	121.2	142.1
1990	21,622.4	5,809.8	3,191.6	614.3	8,136.5	1,791.5	1,660.0	137.6	126.4	154.5
1991	23,968.4	6,454.4	3,406.5	709.6	8,867.5	2,160.9	1,925.9	170.9	129.3	143.4
1992	24,490.6	6,523.3	3,451.2	684.9	9,060.7	2,351.8	2,049.6	139.9	109.3	120.0
1993	26,890.5	7,451.8	3,923.8	799.3	9,892.3	2,299.4	2,041.3	173.4	211.8	97.4
1994	27,411.2	7,481.1	4,063.9	737.2	10,291.7	2,181.1	2,102.1	178.4	230.8	144.8
1995	28,434.4	7,684.5	4,698.7	811.6	10,353.8	2,233.6	2,078.7	207.2	221.4	144.8
1996	28,259.8	7,513.2	4,269.1	696.2	10,706.6	2,385.0	2,178.9	195.5	187.4	127.8
1997	29,365.3	7,666.9	4,392.1	759.6	11,173.2	2,598.9	2,294.9	217.5	144.0	118.2
1998	30,922.3	7,969.1	4,632.7	844.1	11,739.0	2,743.0	2,425.2	214.5	240.1	114.5
1999	33,527.5	8,685.8	4,579.8	879.3	13,203.8	2,554.1	2,806.7	469.5	232.4	116.1
2000	38,470.6	9,449.6	4,800.7	700.3	16,021.8	2,773.2	3,714.5	696.1	162.5	152.0
2001	44,713.7	11,130.9	5,262.3	822.3	18,657.1	3,096.3	4,577.9	739.4	308.7	118.9
2002	48,006.7	11,857.4	5,786.8	937.3	20,285.4	3,219.4	4,723.0	749.6	275.5	172.3
2003	51,071.8	12,419.6	6,042.4	1,103.5	21,676.5	3,272.6	5,196.3	779.0	305.8	276.1
2004	53,357.8	12,085.2	6,782.7	1,131.6	22,699.1	3,687.3	5,216.4	795.5	532.9	427.0
2005 (preliminary)	55,546.3	12,810.4	7,418.7	1,122.6	23,244.9	3,767.4	5,329.9	865.3	549.6	437.5
2006 (preliminary)	54,979.1	12,734.2	7,385.6	1,081.3	22,915.1	3,673.3	5,336.2	862.2	549.3	441.9

FFRDC = federally funded research and development center.

^a Intramural activities cover costs associated with administration of intramural and extramural programs by federal personnel as well as actual intramural performance.

NOTES: Because of rounding, detail may not add to total. Data for only those agencies and subdivisions that had outlays in variables represented by this table appear in table. In FY 2000, National Aeronautics and Space Administration reclassified Space Station as a physical asset, reclassified Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant; and National Institutes of Health reclassified all of its development activities as research. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 118. Federal obligations for basic research, by performer: FY 1985–2006
(Dollars in millions)

Fiscal year	Extramural									
	Total	Intramural ^a	United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
1985	7,818.7	1,923.4	380.1	122.6	4,038.7	724.2	555.8	12.4	30.5	30.9
1986	8,153.1	2,018.9	511.6	117.6	4,132.1	724.1	572.1	13.0	30.9	32.7
1987	8,942.4	2,046.2	467.0	119.9	4,665.6	906.7	657.7	13.3	37.5	28.5
1988	9,473.6	2,050.3	596.9	133.0	4,868.3	989.8	728.6	17.7	42.7	46.3
1989	10,602.0	2,313.4	773.2	223.9	5,221.4	1,098.1	838.9	42.2	43.6	47.4
1990	11,285.6	2,294.6	887.5	246.8	5,548.2	1,227.3	924.1	59.2	50.4	47.6
1991	12,170.8	2,391.6	949.9	264.0	6,064.5	1,306.2	1,015.5	80.8	49.1	49.1
1992	12,489.9	2,337.6	920.3	247.2	6,331.8	1,394.1	1,097.2	65.5	42.4	53.8
1993	13,399.1	2,661.8	896.3	243.6	6,833.7	1,402.7	1,164.9	71.3	71.7	53.3
1994	13,523.5	2,497.8	1,109.6	237.6	6,992.3	1,336.0	1,132.9	74.4	75.2	67.6
1995	13,877.0	2,693.5	1,214.2	239.8	6,943.9	1,438.8	1,148.3	75.2	78.7	44.6
1996	14,464.0	2,676.7	1,108.8	272.8	7,443.5	1,521.0	1,234.6	76.1	80.2	50.5
1997	14,941.9	2,688.3	1,166.7	294.7	7,695.8	1,600.0	1,289.6	88.4	68.4	49.9
1998	15,613.0	2,918.5	1,119.4	326.4	7,951.7	1,642.3	1,397.6	121.8	84.9	50.4
1999	17,443.7	3,255.2	1,082.8	313.4	9,107.1	1,565.5	1,650.0	354.9	61.4	53.4
2000	19,569.8	3,621.8	1,356.5	171.3	10,056.7	1,674.0	1,985.3	521.6	75.7	106.9
2001	21,958.1	4,193.8	917.1	175.1	11,792.2	1,762.1	2,441.7	540.5	71.6	64.0
2002	23,668.3	4,460.0	1,231.9	239.6	12,668.2	1,805.2	2,531.7	563.4	71.5	96.8
2003	24,751.4	4,662.1	1,279.6	312.8	13,151.8	1,827.8	2,703.9	582.1	85.4	146.1
2004	26,120.7	4,671.6	1,969.4	292.2	13,398.5	2,005.8	2,746.1	606.8	197.9	232.3
2005 (preliminary)	26,919.4	4,923.0	2,166.6	299.1	13,559.9	2,108.0	2,756.3	666.4	204.7	235.3
2006 (preliminary)	26,938.1	4,915.1	2,204.5	295.0	13,483.5	2,170.2	2,754.7	666.4	209.3	239.4

FFRDC = federally funded research and development center.

^a Intramural activities cover costs associated with administration of intramural and extramural programs by federal personnel as well as actual intramural performance.

NOTES: Because of rounding, detail may not add to total. Data for only those agencies and subdivisions that had outlays in variables represented by this table appear in table. In FY 2000, National Aeronautics and Space Administration reclassified Space Station as a physical asset, reclassified Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant; and National Institutes of Health reclassified all of its development activities as research. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 119. Federal obligations for applied research, by performer: FY 1985–2006
(Dollars in millions)

Fiscal year	Extramural									
	Total	Intramural ^a	United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
1985	8,314.7	3,132.7	1,694.3	363.3	1,687.6	697.1	489.3	84.6	58.9	107.0
1986	8,349.1	3,141.5	1,768.8	364.5	1,751.4	567.6	490.8	74.9	60.0	129.7
1987	8,998.1	3,391.5	1,981.6	313.6	1,974.6	564.3	549.8	76.5	52.7	93.4
1988	9,176.5	3,288.1	2,045.6	322.2	2,154.6	575.0	571.3	65.2	60.4	94.1
1989	10,163.5	3,583.5	2,101.8	380.5	2,571.8	605.4	681.0	67.3	77.6	94.6
1990	10,336.8	3,515.2	2,304.2	367.5	2,588.4	564.3	735.9	78.4	76.1	106.9
1991	11,797.6	4,062.8	2,456.6	445.6	2,803.0	854.7	910.4	90.1	80.2	94.3
1992	12,000.7	4,185.7	2,530.9	437.6	2,728.9	957.6	952.5	74.5	66.9	66.2
1993	13,491.4	4,790.0	3,027.5	555.6	3,058.6	896.8	876.4	102.2	140.1	44.1
1994	13,887.7	4,983.3	2,954.4	499.6	3,299.4	845.1	969.2	104.0	155.5	77.2
1995	14,557.4	4,991.0	3,484.5	571.8	3,409.9	794.8	930.4	132.0	142.7	100.3
1996	13,795.7	4,836.5	3,160.3	423.4	3,263.1	864.0	944.3	119.4	107.3	77.4
1997	14,423.4	4,978.6	3,225.5	464.9	3,477.4	998.8	1,005.3	129.2	75.5	68.2
1998	15,309.3	5,050.6	3,513.3	517.7	3,787.3	1,100.7	1,027.7	92.6	155.2	64.1
1999	16,083.9	5,430.6	3,497.0	565.8	4,096.7	988.6	1,156.7	114.6	171.0	62.8
2000	18,900.8	5,827.8	3,444.2	528.9	5,965.1	1,099.2	1,729.2	174.5	86.9	45.1
2001	22,755.6	6,937.2	4,345.2	647.2	6,864.9	1,334.2	2,136.2	198.9	237.1	54.9
2002	24,338.4	7,397.4	4,554.9	697.7	7,617.2	1,414.1	2,191.3	186.2	204.0	75.6
2003	26,320.4	7,757.5	4,762.8	790.7	8,524.7	1,444.8	2,492.5	197.0	220.4	130.0
2004	27,237.1	7,413.6	4,813.3	839.3	9,300.6	1,681.6	2,470.3	188.7	335.0	194.7
2005 (preliminary)	28,626.9	7,887.4	5,252.1	823.5	9,685.0	1,659.4	2,573.6	198.9	344.9	202.1
2006 (preliminary)	28,041.0	7,819.1	5,181.1	786.3	9,431.6	1,503.1	2,581.5	195.8	340.0	202.5

FFRDC = federally funded research and development center.

^a Intramural activities cover costs associated with administration of intramural and extramural programs by federal personnel as well as actual intramural performance.

NOTES: Because of rounding, detail may not add to total. Data for only those agencies and subdivisions that had outlays in variables represented by this table appear in table. In FY 2000, National Aeronautics and Space Administration reclassified Space Station as a physical asset, reclassified Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant; and National Institutes of Health reclassified all of its development activities as research. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 120. Federal obligations for development, by performer: FY 1985–2006
(Dollars in millions)

Fiscal year	Extramural									
	Total	Intramural ^a	United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
1985	32,226.1	7,889.3	19,630.5	1,304.9	613.5	1,395.1	654.1	592.2	39.9	106.7
1986	34,910.2	8,374.6	21,920.7	1,215.0	675.4	1,476.0	614.1	463.3	37.4	133.9
1987	37,313.2	7,975.3	24,319.6	1,426.4	697.0	1,738.6	503.9	420.8	58.0	173.4
1988	38,119.3	8,776.2	24,076.7	1,456.1	804.8	1,909.1	383.2	422.7	39.0	251.4
1989	40,641.0	9,127.6	25,672.9	1,452.0	878.8	1,793.6	480.0	412.4	46.3	777.3
1990	41,937.1	10,039.1	26,178.4	1,712.5	1,001.0	1,658.3	588.2	484.0	87.5	188.1
1991	37,326.8	8,683.8	23,014.1	1,458.7	1,301.0	1,442.9	711.5	508.5	85.8	120.5
1992	41,102.0	9,059.6	26,293.6	1,432.2	1,210.6	1,503.7	753.9	605.7	74.8	167.9
1993	40,423.5	9,211.6	26,295.2	652.1	1,316.1	1,314.8	770.6	580.0	108.5	174.8
1994	39,824.2	8,650.9	26,390.9	556.3	1,505.2	1,111.8	834.8	557.6	94.7	122.0
1995	39,752.4	9,340.2	25,537.4	390.2	1,573.7	1,328.0	755.4	617.9	95.1	114.4
1996	39,393.3	9,027.2	26,104.7	440.7	1,271.2	1,062.1	707.9	559.7	59.3	160.5
1997	40,461.5	9,051.3	27,027.2	368.6	1,385.7	1,102.1	666.7	603.4	117.1	139.3
1998	41,178.5	9,152.4	27,365.9	344.7	1,641.7	1,147.2	746.0	388.5	207.4	184.6
1999	41,813.1	9,398.9	27,321.8	448.8	1,755.3	1,342.3	802.0	443.7	125.1	175.2
2000	34,392.7	7,700.2	22,934.4	400.6	799.3	1,279.9	496.8	535.4	61.5	184.7
2001	35,219.5	9,088.9	21,744.0	364.3	930.8	1,521.4	560.8	529.7	142.0	337.6
2002	37,846.3	9,187.4	23,751.4	413.7	1,004.7	1,421.8	1,016.1	655.2	176.7	219.2
2003	42,589.5	10,442.0	27,810.3	404.1	1,017.0	1,481.6	510.3	573.7	94.1	256.3
2004	48,018.7	10,338.0	32,431.8	411.6	1,470.6	1,713.5	407.4	647.7	347.2	250.9
2005 (preliminary)	53,647.9	12,097.5	36,099.8	496.7	1,625.5	1,763.5	483.5	603.5	333.7	144.3
2006 (preliminary)	53,415.0	11,517.1	36,929.2	421.6	1,362.0	1,758.4	388.1	603.2	329.1	106.4

FFRDC = federally funded research and development center.

^a Intramural activities cover costs associated with administration of intramural and extramural programs by federal personnel as well as actual intramural performance.

NOTES: Because of rounding, detail may not add to total. Data for only those agencies and subdivisions that had outlays in variables represented by this table appear in table. In FY 2000, National Aeronautics and Space Administration reclassified Space Station as a physical asset, reclassified Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant; and National Institutes of Health reclassified all of its development activities as research. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 121. Federal obligations for R&D plant, by performer: FY 1985–2006
(Dollars in millions)

Fiscal year	Total	Intramural ^a	Extramural								
			United States and U.S. territories								Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments		
1985	1,820.8	625.3	298.3	187.8	140.8	454.2	69.9	9.1	0.1	35.5	
1986	1,538.8	317.1	409.2	215.9	133.2	420.9	11.8	9.6	0.0	21.0	
1987	1,846.0	301.6	668.1	212.9	231.1	400.5	20.6	5.4	0.0	5.8	
1988	2,057.1	319.6	719.5	204.3	245.8	535.3	23.7	6.2	0.3	2.4	
1989	2,165.1	329.5	900.4	212.3	204.9	489.9	14.2	8.4	1.4	4.2	
1990	2,271.7	359.0	882.9	231.0	157.3	495.8	113.0	31.4	0.5	0.9	
1991	2,852.8	518.8	1,003.1	278.7	253.3	624.2	145.4	19.7	0.6	9.2	
1992	2,984.6	506.2	1,014.4	202.2	241.5	579.5	393.9	46.3	0.5	0.0	
1993	3,100.7	432.0	1,048.2	124.4	361.4	619.5	415.6	65.5	0.5	33.5	
1994	2,215.4	392.6	746.8	119.4	253.2	608.8	20.9	72.9	0.8	0.2	
1995	2,256.1	479.8	695.3	95.1	327.3	543.8	25.6	62.6	0.5	26.1	
1996	1,746.1	405.1	465.4	43.9	243.1	497.8	23.4	66.1	1.0	0.5	
1997	1,926.7	608.3	389.8	60.5	238.6	560.7	16.7	52.0	0.0	0.1	
1998	1,813.3	448.4	487.7	45.6	139.5	663.6	10.9	12.1	5.5	0.0	
1999	2,045.7	483.3	544.7	172.8	141.2	615.5	12.2	70.7	5.3	*	
2000	4,492.8	573.3	2,814.6	27.6	213.5	613.8	55.5	193.5	0.9	0.1	
2001	4,069.8	520.4	2,179.8	41.8	284.7	615.9	27.9	357.5	1.4	40.4	
2002	4,304.7	414.8	2,524.9	109.1	241.1	583.3	29.1	388.8	2.0	11.7	
2003	4,266.5	609.7	1,817.0	145.7	686.9	578.4	70.7	333.9	0.8	23.4	
2004	3,994.2	961.3	1,442.0	188.3	354.3	603.9	164.5	252.4	15.8	11.7	
2005 (preliminary)	3,924.1	938.1	1,573.6	127.7	295.8	563.9	163.5	232.6	16.6	12.3	
2006 (preliminary)	3,681.9	859.5	1,486.8	89.1	280.6	566.7	169.7	199.1	17.5	12.9	

* = amount greater than 0 but less than \$50,000.

FFRDC = federally funded research and development center.

^a Intramural activities cover costs associated with administration of intramural and extramural programs by federal personnel as well as actual intramural performance.

NOTES: Because of rounding, detail may not add to total. In FY 2000, National Aeronautics and Space Administration reclassified Space Station as a physical asset, reclassified Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 122. Federal obligations for research, by detailed field of science and engineering: FY 1985-95

(Dollars in millions)

Field	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
All fields	16,133.4	16,502.2	17,940.5	18,650.1	20,765.5	21,622.4	23,968.4	24,490.6	26,890.5	27,411.2	28,434.4
Environmental sciences	1,403.7	1,481.7	1,511.6	1,607.0	1,773.2	2,174.1	2,149.8	2,207.6	2,608.5	2,838.2	2,854.4
Atmospheric sciences	486.0	521.3	552.9	587.8	588.0	773.4	802.7	767.3	984.1	1,095.0	1,135.6
Geological sciences	429.0	443.9	441.7	441.6	542.8	661.1	728.7	735.7	797.9	838.0	848.3
Oceanography	398.5	429.7	427.4	460.4	491.9	520.1	398.6	458.9	467.4	496.8	407.3
Environmental sciences, nec	90.2	86.8	89.5	117.1	150.5	219.5	219.8	245.8	359.2	408.5	463.3
Life sciences	6,362.5	6,464.3	7,341.4	7,724.5	8,495.1	8,829.8	9,622.0	9,910.5	10,772.1	11,284.3	11,811.0
Biological and agricultural sciences	3,755.3	3,861.3	4,358.5	4,573.4	5,020.0	5,178.4	5,597.9	5,633.6	6,059.3	6,103.0	6,402.5
Agricultural sciences	609.3	603.8	566.9	590.7	669.0	691.4	680.3	687.5	712.9	727.2	670.3
Biological sciences (excluding environmental biology)	2,885.7	2,993.4	3,502.0	3,681.7	3,983.2	4,144.6	4,457.8	4,435.1	4,789.9	4,745.8	4,925.4
Environmental biology	260.3	264.1	289.6	301.0	367.8	342.3	459.7	511.0	556.5	629.9	806.9
Medical sciences	2,368.5	2,360.4	2,664.8	2,941.0	3,222.5	3,382.4	3,460.3	3,909.9	4,404.4	4,862.1	4,972.2
Life sciences, nec	238.7	242.6	318.2	210.1	252.6	269.1	563.8	367.0	308.3	319.3	436.3
Mathematics and computer sciences	574.9	615.4	640.6	642.9	735.4	840.7	903.7	1,160.3	1,225.4	1,301.6	1,579.1
Computer sciences	280.3	302.4	297.8	292.7	364.6	562.1	584.9	771.8	826.1	830.2	1,013.9
Mathematics	183.6	184.5	204.5	217.9	236.1	241.3	227.6	318.7	290.8	342.3	258.6
Mathematics and computer sciences, nec	111.0	128.5	138.3	132.3	134.8	37.3	91.1	69.9	108.5	129.1	306.6
Physical sciences	3,046.0	3,069.1	3,252.6	3,317.3	3,705.2	3,808.7	4,235.3	4,439.2	4,427.0	4,253.5	4,278.3
Astronomy	414.7	468.2	522.2	470.8	541.9	597.2	631.7	739.1	686.3	747.6	764.5
Chemistry	650.4	662.4	680.3	703.1	782.6	761.7	828.4	896.2	843.2	874.4	863.5
Physics	1,816.0	1,805.9	1,853.6	1,975.3	2,190.8	2,254.9	2,460.9	2,578.2	2,638.4	2,443.1	2,451.2
Physical sciences, nec	164.8	132.6	196.6	168.1	189.9	195.0	314.3	225.7	259.2	188.3	199.2
Psychology	327.1	334.0	369.5	389.8	421.7	448.6	482.4	298.1	550.7	548.4	622.6
Biological aspects	91.2	90.1	98.3	105.3	121.8	130.6	140.2	34.6	37.2	48.1	58.8
Social aspects	142.9	143.5	154.5	149.4	149.9	177.5	197.5	100.9	134.7	116.8	156.3
Psychological sciences, nec	93.1	100.4	116.7	135.2	149.9	140.5	144.8	162.6	378.7	383.4	407.5
Social sciences	460.0	415.5	480.0	485.8	551.0	630.0	727.3	689.7	674.9	647.4	678.7
Anthropology	18.0	13.6	15.2	14.3	13.9	14.4	16.0	14.1	13.7	16.2	21.7
Economics	159.7	131.3	148.5	159.5	166.8	197.2	187.4	211.6	204.7	193.3	206.5
Political science	14.6	11.6	11.3	12.2	13.5	13.1	17.0	22.6	29.2	25.4	22.3
Sociology	66.5	67.0	74.0	81.8	94.1	116.2	184.0	80.7	76.7	68.1	47.8
Social sciences, nec	201.3	192.0	231.0	218.0	262.8	289.1	322.9	360.8	350.5	344.4	380.3
Other sciences, nec	341.6	383.3	438.3	526.5	641.6	663.7	903.4	808.3	1,132.5	1,058.4	901.8

TABLE 122. Federal obligations for research, by detailed field of science and engineering: FY 1985–95

(Dollars in millions)

Field	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Engineering	3,617.6	3,738.9	3,906.3	3,956.4	4,442.2	4,226.6	4,944.5	4,977.0	5,499.4	5,479.4	5,708.4
Aeronautical engineering	738.0	775.6	810.4	801.8	986.8	927.1	1,016.2	874.6	1,193.0	1,222.7	1,248.3
Astronautical engineering	424.7	526.9	624.6	575.4	677.4	580.8	653.1	630.4	494.0	499.1	546.5
Chemical engineering	254.3	245.8	215.8	258.1	142.2	241.9	304.3	297.5	245.5	238.2	246.1
Civil engineering	216.6	202.9	204.4	214.9	229.8	317.7	305.0	330.2	252.0	277.9	339.4
Electrical engineering	626.8	674.4	786.3	731.1	843.1	640.0	729.9	759.0	881.5	741.8	756.3
Mechanical engineering	267.0	236.5	233.5	240.8	257.4	268.3	335.5	337.2	466.9	378.1	412.5
Metallurgy and materials engineering	439.2	445.0	362.0	456.7	521.0	554.5	710.7	727.2	695.7	851.4	815.3
Engineering, nec	651.0	631.7	669.3	677.8	784.5	696.3	889.8	1,020.8	1,270.9	1,270.2	1,344.0

nec = not elsewhere classified.

NOTES: Because of rounding, detail may not add to total. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its R&D functions have been reported with National Institutes of Health data beginning with FY 1992. However, research support for some fields (such as psychology) in FY 1992 seems to be underreported.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 123. Federal obligations for research, by detailed field of science and engineering: FY 1996–2006

(Dollars in millions)

Field	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
All fields	28,259.8	29,365.3	30,922.3	33,527.5	38,470.6	44,713.7	48,006.7	51,071.8	53,357.8	55,546.3	54,979.1
Environmental sciences	3,019.7	3,045.7	3,062.0	3,095.3	3,328.8	3,251.7	3,418.3	3,740.9	3,741.6	3,876.0	3,754.4
Atmospheric sciences	1,085.7	1,164.3	1,174.4	1,176.5	1,104.3	1,113.6	1,163.5	1,259.4	1,259.7	NA	NA
Geological sciences	784.3	691.8	603.3	660.2	639.2	673.8	674.9	725.0	704.5	NA	NA
Oceanography	574.3	597.7	559.8	656.6	673.0	681.1	784.6	846.1	809.1	NA	NA
Environmental sciences, nec	575.4	591.8	724.4	602.0	912.2	783.3	795.2	910.3	968.4	NA	NA
Life sciences	12,064.3	12,661.3	13,557.6	15,422.5	17,964.7	23,057.3	25,476.8	27,772.2	27,728.5	28,543.2	28,207.2
Biological and agricultural sciences	6,629.9	6,544.0	7,073.8	8,047.7	12,375.0	14,116.4	16,325.1	20,407.3	14,848.7	NA	NA
Agricultural sciences	616.0	641.3	762.8	849.4	895.0	1,007.7	1,047.6	1,046.0	1,086.8	NA	NA
Biological sciences (excluding environmental biology)	5,309.9	5,320.2	5,706.6	6,477.6	10,740.0	12,380.0	14,498.5	18,643.5	13,091.9	NA	NA
Environmental biology	704.0	582.5	604.5	720.6	740.0	728.8	778.9	717.9	670.0	NA	NA
Medical sciences	4,973.4	5,532.7	5,996.3	6,801.2	4,463.8	6,585.2	6,427.4	6,160.3	10,898.8	NA	NA
Life sciences, nec	461.1	584.6	487.4	573.6	1,125.9	2,355.7	2,724.4	1,204.6	1,981.0	NA	NA
Mathematics and computer sciences	1,571.6	1,671.8	1,836.8	1,980.6	2,205.6	2,610.6	2,630.7	2,672.5	2,949.4	3,115.2	3,080.7
Computer sciences	1,119.8	1,264.7	1,398.7	1,516.1	1,659.6	2,022.8	2,043.2	2,052.8	2,144.9	NA	NA
Mathematics	254.5	301.6	334.1	345.3	432.9	396.4	402.0	452.9	617.8	NA	NA
Mathematics and computer sciences, nec	197.3	105.5	104.0	119.2	113.1	191.4	185.5	166.7	186.7	NA	NA
Physical sciences	3,923.0	4,149.2	4,209.7	4,066.2	4,788.0	4,600.8	4,983.2	5,021.6	5,211.1	5,473.3	5,393.6
Astronomy	729.0	774.7	732.2	757.9	880.3	759.2	751.5	871.8	920.8	NA	NA
Chemistry	881.1	845.8	819.0	814.9	1,225.6	1,024.9	1,181.7	1,137.9	1,191.0	NA	NA
Physics	1,991.3	2,067.6	2,131.8	2,221.9	2,405.4	2,461.7	2,621.4	2,500.2	2,598.6	NA	NA
Physical sciences, nec	321.6	461.0	526.7	271.4	276.7	354.9	428.6	511.7	500.8	NA	NA
Psychology	525.0	545.4	591.0	632.6	1,626.7	741.9	905.9	1,104.4	1,854.9	1,916.0	1,934.2
Biological aspects	62.8	57.8	41.6	18.0	8.2	13.6	10.6	23.2	6.0	NA	NA
Social aspects	83.4	96.7	97.5	66.6	56.0	59.8	52.5	50.6	51.7	NA	NA
Psychological sciences, nec	378.8	390.9	451.9	547.9	1,562.5	668.5	842.8	1,030.6	1,797.2	NA	NA
Social sciences	654.6	696.3	806.1	854.9	1,050.4	1,008.6	983.0	1,025.8	1,089.6	1,131.5	1,177.8
Anthropology	18.3	21.0	18.2	18.3	15.9	15.6	16.4	14.5	15.0	NA	NA
Economics	194.2	205.2	230.5	216.6	249.5	234.1	227.3	234.5	204.6	NA	NA
Political science	16.7	14.1	20.2	20.2	22.6	19.5	18.4	18.5	18.7	NA	NA
Sociology	41.2	25.9	100.8	83.8	90.6	95.5	96.1	124.7	120.1	NA	NA
Social sciences, nec	384.2	430.2	436.4	516.0	671.8	644.0	624.7	633.6	731.2	NA	NA
Other sciences, nec	820.7	905.3	963.7	1,212.1	1,160.2	1,245.8	1,334.0	1,329.3	1,916.3	2,010.3	2,034.2
Engineering	5,680.9	5,690.3	5,895.4	6,263.4	6,346.4	8,197.0	8,274.9	8,405.1	8,866.4	9,480.8	9,396.9
Aeronautical engineering	1,249.4	1,352.7	1,596.4	1,609.7	1,463.9	2,430.1	2,157.1	1,732.2	1,640.8	NA	NA
Astronautical engineering	526.6	596.3	631.1	620.6	515.0	752.7	760.8	702.5	664.9	NA	NA
Chemical engineering	215.1	235.0	190.1	203.2	196.5	199.0	201.6	327.9	318.8	NA	NA

TABLE 123. Federal obligations for research, by detailed field of science and engineering: FY 1996–2006

(Dollars in millions)

Field	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
Civil engineering	300.2	275.6	244.1	328.5	239.2	288.4	302.7	339.6	330.3	NA	NA
Electrical engineering	669.7	622.2	639.3	698.7	744.8	889.7	808.7	950.0	890.9	NA	NA
Mechanical engineering	294.0	254.6	249.6	240.4	289.3	319.2	265.9	298.4	301.9	NA	NA
Metallurgy and materials engineering	989.0	860.7	789.1	788.0	918.1	1,080.8	1,000.5	1,083.7	1,037.2	NA	NA
Engineering, nec	1,437.0	1,493.2	1,555.6	1,774.3	1,979.6	2,237.0	2,777.6	2,970.8	3,681.6	NA	NA

NA = not available (data collected for this table were not recorded at that level in that particular fiscal year).

nec = not elsewhere classified.

NOTES: Because of rounding, detail may not add to total. In FY 2000, National Aeronautics and Space Administration reclassified Space Station as a physical asset, reclassified Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant; and National Institutes of Health reclassified all of its development activities as research. The National Science Foundation has made changes to its field of science and engineering coding system, producing changes to some of the FY 1996 field of science data (such as mechanical engineering).

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 124. Federal obligations for basic research, by detailed field of science and engineering: FY 1985-95

(Dollars in millions)

Field	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
All fields	7,818.7	8,153.1	8,942.4	9,473.6	10,602.0	11,285.6	12,170.8	12,489.9	13,399.1	13,523.5	13,877.0
Environmental sciences	699.7	749.1	781.0	872.7	1,016.9	1,274.8	1,263.5	1,303.6	1,533.5	1,516.5	1,467.5
Atmospheric sciences	209.2	240.4	243.8	280.7	316.4	443.7	449.0	435.2	635.1	698.3	688.2
Geological sciences	250.0	265.5	266.2	267.3	334.9	439.7	499.0	526.5	555.3	487.8	451.7
Oceanography	219.3	224.3	249.8	269.4	293.5	299.7	197.5	210.0	207.2	190.2	188.2
Environmental sciences, nec	21.2	18.9	21.2	55.2	72.1	91.6	118.0	131.9	135.9	140.2	139.3
Life sciences	3,786.6	3,858.8	4,361.9	4,501.8	4,915.7	5,177.5	5,433.6	5,841.7	6,288.8	6,472.1	6,601.3
Biological and agricultural sciences	2,515.5	2,543.0	2,870.4	2,855.3	3,102.9	3,219.0	3,374.9	3,517.6	3,787.8	3,751.9	3,836.5
Agricultural sciences	283.5	265.7	267.9	293.7	298.4	308.5	319.4	334.2	342.2	370.6	367.5
Biological sciences (excluding environmental biology)	2,106.3	2,151.5	2,461.5	2,414.9	2,647.2	2,742.2	2,868.5	2,981.8	3,222.5	3,139.2	3,248.3
Environmental biology	125.7	125.7	141.0	146.8	157.3	168.3	186.9	201.6	223.2	242.1	220.6
Medical sciences	1,145.4	1,196.6	1,341.0	1,573.2	1,708.4	1,849.6	1,857.7	2,131.0	2,380.9	2,610.3	2,615.9
Life sciences, nec	125.7	119.2	150.6	73.2	104.4	108.9	201.0	193.1	120.1	109.9	148.9
Mathematics and computer sciences	260.0	293.4	306.4	313.2	345.8	406.9	426.1	481.4	511.3	521.7	603.0
Computer sciences	116.1	131.4	128.5	125.5	159.5	225.2	223.5	247.7	284.3	262.3	317.1
Mathematics	130.3	142.4	158.4	165.4	167.8	176.3	164.4	228.2	221.8	247.7	164.0
Mathematics and computer sciences, nec	13.6	19.6	19.5	22.4	18.4	5.3	38.2	5.5	5.1	11.8	121.9
Physical sciences	1,815.2	1,914.4	2,096.0	2,199.6	2,506.5	2,661.5	2,881.5	2,951.4	2,907.1	2,826.9	2,864.8
Astronomy	400.7	453.1	504.5	458.5	524.6	579.9	612.3	729.7	663.4	724.8	731.6
Chemistry	425.0	433.4	445.1	470.8	504.6	502.1	538.7	556.6	543.7	540.3	559.4
Physics	959.9	1,003.4	1,072.3	1,205.5	1,395.3	1,474.3	1,644.9	1,607.5	1,600.6	1,502.3	1,507.4
Physical sciences, nec	29.7	24.7	74.2	64.8	81.9	105.1	85.5	57.6	99.4	59.6	66.4
Psychology	132.8	133.0	147.1	177.8	187.1	215.1	225.5	122.6	246.8	246.1	278.0
Biological aspects	48.0	47.0	49.3	52.4	61.0	65.3	68.2	14.3	18.1	24.8	31.4
Social aspects	46.9	45.3	45.5	40.9	38.1	60.9	69.2	16.9	16.0	16.3	22.2
Psychological sciences, nec	38.0	40.7	52.3	84.5	88.0	88.8	88.1	91.4	212.7	205.0	224.4
Social sciences	140.7	113.5	129.5	146.8	154.6	146.0	161.3	139.9	194.1	184.0	206.7
Anthropology	15.8	11.2	12.3	12.1	12.1	12.5	12.7	11.0	10.0	9.7	15.1
Economics	34.3	26.3	29.0	34.7	37.7	37.1	37.3	39.3	46.0	38.4	44.7
Political science	5.8	4.1	5.5	5.1	5.4	6.4	7.1	6.4	6.4	4.8	7.1
Sociology	32.4	30.0	34.3	36.8	38.2	24.2	28.2	10.2	11.1	13.1	14.3
Social sciences, nec	52.4	41.9	48.4	58.1	61.2	65.8	75.9	72.9	120.6	118.1	125.5
Other sciences, nec	99.4	122.5	130.9	255.5	291.7	302.3	545.6	399.4	510.1	465.6	406.9

TABLE 124. Federal obligations for basic research, by detailed field of science and engineering: FY 1985-95

(Dollars in millions)

Field	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Engineering	884.2	968.5	989.5	1,006.2	1,183.7	1,101.5	1,233.7	1,249.8	1,207.4	1,290.4	1,448.9
Aeronautical engineering	191.5	226.3	237.4	231.0	327.9	269.6	256.2	245.1	246.2	275.9	271.0
Astronautical engineering	41.6	52.5	48.8	48.4	58.9	62.3	69.7	94.4	53.6	59.8	66.3
Chemical engineering	74.4	73.0	77.5	88.6	50.1	75.8	101.7	105.0	72.8	70.9	66.7
Civil engineering	43.6	45.2	45.7	46.1	51.7	47.3	59.3	53.4	38.7	38.1	70.1
Electrical engineering	144.9	156.3	175.4	154.0	173.8	146.9	142.5	165.4	203.1	205.7	204.6
Mechanical engineering	88.2	83.6	87.2	83.5	100.8	91.4	115.6	113.9	142.6	141.6	164.7
Metallurgy and materials engineering	211.9	228.5	209.8	230.1	254.8	260.2	294.6	273.6	241.3	330.2	368.5
Engineering, nec	88.2	103.2	107.8	124.4	165.7	147.9	194.3	199.2	209.1	168.3	236.9

nec = not elsewhere classified.

NOTES: Because of rounding, detail may not add to total. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its R&D functions have been reported with National Institutes of Health data beginning with FY 1992. However, research support for some fields (such as psychology) in FY 1992 seems to be underreported.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 125. Federal obligations for basic research, by detailed field of science and engineering: FY 1996–2006

(Dollars in millions)

Field	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
All fields	14,464.0	14,941.9	15,613.0	17,443.7	19,569.8	21,958.1	23,668.3	24,751.4	26,120.7	26,919.4	26,938.1
Environmental sciences	1,554.0	1,543.5	1,528.7	1,615.7	1,838.4	1,663.0	1,833.3	1,899.5	2,022.9	2,060.4	2,081.6
Atmospheric sciences	671.2	679.5	655.2	671.0	717.0	597.2	684.1	668.1	726.8	NA	NA
Geological sciences	390.0	388.3	391.2	412.1	429.6	400.6	426.0	461.9	482.0	NA	NA
Oceanography	309.1	303.5	286.0	383.9	364.9	402.4	427.0	442.2	452.6	NA	NA
Environmental sciences, nec	183.8	172.1	196.4	148.7	326.9	262.9	296.1	327.3	361.5	NA	NA
Life sciences	6,879.0	7,203.8	7,853.4	9,197.1	10,049.0	12,835.5	14,024.1	14,765.3	14,490.0	14,815.5	14,684.7
Biological and agricultural sciences	3,922.4	3,945.1	4,222.3	4,941.6	7,610.4	8,773.8	9,244.8	11,323.8	8,055.6	NA	NA
Agricultural sciences	329.5	348.1	372.5	424.5	445.7	511.7	530.6	528.3	503.7	NA	NA
Biological sciences (excluding environmental biology)	3,387.2	3,391.0	3,653.0	4,236.9	6,851.1	7,952.3	8,379.7	10,471.5	7,222.8	NA	NA
Environmental biology	205.7	206.1	196.8	280.2	313.6	309.8	334.5	324.0	329.1	NA	NA
Medical sciences	2,740.8	3,035.2	3,392.4	3,956.5	1,923.8	2,808.6	3,361.0	2,919.1	5,477.2	NA	NA
Life sciences, nec	215.9	223.4	238.6	299.1	514.7	1,253.1	1,418.3	522.3	957.1	NA	NA
Mathematics and computer sciences	639.6	661.4	705.5	734.9	798.3	957.8	998.7	1,120.2	1,239.1	1,278.9	1,253.7
Computer sciences	376.8	389.5	419.1	438.3	463.0	585.6	636.9	730.5	712.2	NA	NA
Mathematics	162.6	238.2	250.7	254.0	308.6	288.4	325.6	359.8	479.1	NA	NA
Mathematics and computer sciences, nec	100.2	33.6	35.6	42.6	26.6	83.9	36.2	30.0	47.9	NA	NA
Physical sciences	2,862.6	2,976.4	2,941.4	3,089.8	3,470.6	3,327.1	3,405.9	3,454.0	3,662.6	3,815.8	3,794.2
Astronomy	708.8	754.2	706.9	718.4	794.0	650.2	603.3	696.0	765.4	NA	NA
Chemistry	550.7	517.8	517.5	554.6	765.8	736.8	748.8	748.6	776.0	NA	NA
Physics	1,545.6	1,561.7	1,579.8	1,693.8	1,764.4	1,762.3	1,861.7	1,820.6	1,904.5	NA	NA
Physical sciences, nec	57.4	142.6	137.1	122.9	146.4	177.9	192.0	188.8	216.7	NA	NA
Psychology	291.5	293.9	312.0	347.3	817.8	292.9	464.6	543.8	979.2	1,014.9	1,027.6
Biological aspects	33.5	30.2	27.3	12.2	5.7	10.4	7.8	10.6	0.9	NA	NA
Social aspects	10.1	13.0	12.9	9.9	14.3	5.5	4.8	4.1	5.0	NA	NA
Psychological sciences, nec	248.0	250.7	271.8	325.1	797.8	277.0	452.0	529.2	973.2	NA	NA
Social sciences	212.5	221.0	224.8	246.5	308.0	278.4	361.7	352.8	419.3	429.6	444.6
Anthropology	12.7	14.8	13.5	13.4	14.0	14.1	15.2	12.7	12.9	NA	NA
Economics	39.4	46.1	41.5	45.3	51.8	42.5	45.3	48.2	48.0	NA	NA
Political science	5.7	4.9	4.6	4.8	5.1	5.9	5.7	6.0	6.7	NA	NA
Sociology	13.3	8.2	23.5	9.2	11.8	17.9	19.5	48.7	48.6	NA	NA
Social sciences, nec	141.3	147.0	141.7	173.9	225.4	198.0	276.0	237.1	303.1	NA	NA
Other sciences, nec	412.8	459.0	452.7	572.5	523.6	691.7	715.2	702.7	1,035.9	1,080.3	1,087.4

TABLE 125. Federal obligations for basic research, by detailed field of science and engineering: FY 1996–2006

(Dollars in millions)

Field	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
Engineering	1,612.1	1,583.0	1,594.4	1,639.7	1,764.2	1,911.5	1,864.9	1,913.1	2,271.7	2,424.1	2,564.4
Aeronautical engineering	261.7	269.1	285.2	331.7	322.8	369.7	330.1	255.8	304.2	NA	NA
Astronautical engineering	71.8	69.8	68.0	66.2	88.7	33.9	68.1	59.5	67.1	NA	NA
Chemical engineering	59.8	68.1	52.3	55.2	52.6	60.2	62.3	71.5	68.6	NA	NA
Civil engineering	52.9	45.4	35.9	68.8	59.7	47.9	46.5	51.1	55.6	NA	NA
Electrical engineering	201.5	172.9	213.9	185.6	177.0	246.9	213.0	226.3	199.6	NA	NA
Mechanical engineering	113.2	104.9	106.7	99.6	93.4	128.8	89.2	96.3	89.6	NA	NA
Metallurgy and materials engineering	501.8	462.6	478.2	481.2	517.8	591.1	507.8	581.0	592.0	NA	NA
Engineering, nec	349.4	390.4	354.3	351.4	452.2	433.1	547.8	571.7	895.0	NA	NA

NA = not available (data collected for this table were not recorded at that level in that particular fiscal year).

nec = not elsewhere classified.

NOTES: Because of rounding, detail may not add to total. In FY 2000, National Aeronautics and Space Administration reclassified Space Station as a physical asset, reclassified Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant; and National Institutes of Health reclassified all of its development activities as research. The National Science Foundation has made changes to its field of science and engineering coding system, producing changes to some of the FY 1996 field of science data (such as mechanical engineering).

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 126. Federal obligations for applied research, by detailed field of science and engineering: FY 1985-95

(Dollars in millions)

Field	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
All fields	8,314.7	8,349.1	8,998.1	9,176.5	10,163.5	10,336.8	11,797.6	12,000.7	13,491.4	13,887.7	14,557.4
Environmental sciences	704.0	732.6	730.6	734.3	756.3	899.3	886.3	904.0	1,075.0	1,321.7	1,387.0
Atmospheric sciences	276.8	280.9	309.1	307.1	271.6	329.7	353.7	332.0	349.0	396.7	447.3
Geological sciences	179.0	178.4	175.6	174.3	207.8	221.4	229.7	209.2	242.6	350.1	396.6
Oceanography	179.3	205.4	177.6	190.9	198.4	220.4	201.0	248.9	260.2	306.6	219.1
Environmental sciences, nec	69.0	67.9	68.3	61.9	78.5	127.8	101.7	113.8	223.3	268.3	324.0
Life sciences	2,575.9	2,605.5	2,979.5	3,222.7	3,579.4	3,652.3	4,188.4	4,068.8	4,483.3	4,812.2	5,209.8
Biological and agricultural sciences	1,239.8	1,318.4	1,488.1	1,718.0	1,917.2	1,959.4	2,223.0	2,116.0	2,271.5	2,351.1	2,566.0
Agricultural sciences	325.8	338.1	299.1	297.0	370.7	382.9	360.9	353.4	370.8	356.7	302.8
Biological sciences (excluding environmental biology)	779.3	841.9	1,040.5	1,266.8	1,336.0	1,402.5	1,589.3	1,453.2	1,567.4	1,606.6	1,677.1
Environmental biology	134.6	138.3	148.6	154.2	210.5	174.0	272.8	309.4	333.3	387.8	586.2
Medical sciences	1,223.1	1,163.8	1,323.8	1,367.8	1,514.1	1,532.7	1,602.6	1,778.9	2,023.5	2,251.8	2,356.3
Life sciences, nec	113.0	123.3	167.6	136.9	148.1	160.2	362.9	173.9	188.2	209.3	287.4
Mathematics and computer sciences	314.9	322.0	334.3	329.6	389.7	433.9	477.6	678.9	714.1	779.9	976.1
Computer sciences	164.2	171.0	169.3	167.2	205.1	336.9	361.4	524.0	541.8	567.9	696.8
Mathematics	53.4	42.1	46.1	52.5	68.3	65.0	63.2	90.5	68.9	94.7	94.6
Mathematics and computer sciences, nec	97.3	108.9	118.9	109.9	116.3	31.9	52.9	64.3	103.4	117.3	184.7
Physical sciences	1,230.8	1,154.6	1,156.6	1,117.7	1,198.8	1,147.2	1,353.9	1,487.7	1,519.8	1,426.5	1,413.5
Astronomy	14.1	15.1	17.7	12.3	17.3	17.2	19.3	9.4	22.8	22.8	32.9
Chemistry	225.4	229.0	235.2	232.3	278.0	259.6	289.7	339.6	299.5	334.2	304.1
Physics	856.1	802.6	781.4	769.8	795.5	780.6	816.0	970.7	1,037.7	940.9	943.8
Physical sciences, nec	135.2	107.9	122.4	103.3	108.0	89.8	228.9	168.1	159.8	128.7	132.7
Psychology	194.3	201.0	222.4	212.0	234.5	233.5	256.9	175.6	303.9	302.2	344.6
Biological aspects	43.2	43.1	49.1	52.9	60.8	65.3	72.0	20.3	19.1	23.3	27.4
Social aspects	96.0	98.3	108.9	108.4	111.8	116.5	128.2	84.1	118.7	100.5	134.1
Psychological sciences, nec	55.1	59.7	64.4	50.7	61.9	51.7	56.7	71.2	166.1	178.4	183.1
Social sciences	319.3	302.0	350.5	339.0	396.4	484.0	566.0	549.8	480.8	463.3	472.0
Anthropology	2.1	2.4	2.9	2.2	1.8	1.9	3.3	3.1	3.7	6.6	6.6
Economics	125.4	105.0	119.6	124.8	129.1	160.1	150.1	172.3	158.7	154.9	161.8
Political science	8.9	7.5	5.8	7.1	8.1	6.8	10.0	16.1	22.8	20.6	15.2
Sociology	34.0	37.0	39.6	45.0	55.9	92.0	155.7	70.5	65.6	55.0	33.5
Social sciences, nec	148.9	150.2	182.6	159.9	201.6	223.3	246.9	287.9	229.9	226.2	254.9
Other sciences, nec	242.2	260.9	307.4	271.0	350.0	361.5	357.8	408.8	622.4	592.8	494.9

TABLE 126. Federal obligations for applied research, by detailed field of science and engineering: FY 1985–95

(Dollars in millions)

Field	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Engineering	2,733.4	2,770.4	2,916.8	2,950.2	3,258.4	3,125.1	3,710.8	3,727.1	4,292.0	4,189.0	4,259.5
Aeronautical engineering	546.5	549.3	573.0	570.8	658.9	657.5	760.0	629.5	946.8	946.8	977.2
Astronautical engineering	383.2	474.4	575.9	526.9	618.5	518.5	583.4	536.0	440.4	439.3	480.2
Chemical engineering	179.9	172.8	138.3	169.5	92.2	166.0	202.6	192.5	172.7	167.3	179.4
Civil engineering	173.0	157.8	158.7	168.7	178.1	270.4	245.7	276.9	213.3	239.8	269.3
Electrical engineering	481.9	518.1	610.9	577.1	669.3	493.1	587.4	593.6	678.4	536.1	551.7
Mechanical engineering	178.8	153.0	146.2	157.2	156.5	176.9	220.0	223.4	324.3	236.5	247.8
Metallurgy and materials engineering	227.4	216.6	152.2	226.6	266.2	294.3	416.1	453.6	454.3	521.2	446.9
Engineering, nec	562.8	528.5	561.6	553.3	618.8	548.4	695.4	821.6	1,061.7	1,102.0	1,107.1

nec = not elsewhere classified.

NOTES: Because of rounding, detail may not add to total. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its R&D functions have been reported with National Institutes of Health data beginning with FY 1992. However, research support for some fields (such as psychology) in FY 1992 seems to be underreported.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 127. Federal obligations for applied research, by detailed field of science and engineering: FY 1996–2006

(Dollars in millions)

Field	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
All fields	13,795.7	14,423.4	15,309.3	16,083.9	18,900.8	22,755.6	24,338.4	26,320.4	27,237.1	28,626.9	28,041.0
Environmental sciences	1,465.7	1,502.2	1,533.2	1,479.5	1,490.3	1,588.6	1,585.0	1,841.4	1,718.7	1,815.6	1,672.9
Atmospheric sciences	414.6	484.8	519.2	505.5	387.3	516.4	479.4	591.3	532.9	NA	NA
Geological sciences	394.3	303.5	212.1	248.1	209.6	273.2	248.9	263.1	222.5	NA	NA
Oceanography	265.2	294.2	273.8	272.7	308.1	278.7	357.6	403.9	356.5	NA	NA
Environmental sciences, nec	391.7	419.7	528.1	453.3	585.3	520.4	499.1	583.0	606.9	NA	NA
Life sciences	5,185.3	5,457.6	5,704.2	6,225.3	7,915.7	10,221.8	11,452.7	13,007.0	13,238.5	13,727.7	13,522.5
Biological and agricultural sciences	2,707.6	2,598.9	2,851.5	3,106.1	4,764.6	5,342.7	7,080.2	9,083.5	6,793.0	NA	NA
Agricultural sciences	286.5	293.2	390.3	424.9	449.2	496.0	517.1	517.7	583.1	NA	NA
Biological sciences (excluding environmental biology)	1,922.8	1,929.2	2,053.6	2,240.7	3,888.9	4,427.7	6,118.8	8,172.0	5,869.1	NA	NA
Environmental biology	498.3	376.4	407.6	440.4	426.4	419.0	444.4	393.8	340.8	NA	NA
Medical sciences	2,232.6	2,497.6	2,603.9	2,844.7	2,540.0	3,776.6	3,066.4	3,241.2	5,421.5	NA	NA
Life sciences, nec	245.2	361.1	248.8	274.6	611.2	1,102.6	1,306.0	682.3	1,023.9	NA	NA
Mathematics and computer sciences	932.0	1,010.5	1,131.4	1,245.7	1,407.3	1,652.8	1,632.0	1,552.2	1,710.3	1,836.3	1,827.0
Computer sciences	743.1	875.1	979.6	1,077.8	1,196.6	1,437.2	1,406.3	1,322.3	1,432.7	NA	NA
Mathematics	91.8	63.4	83.3	91.3	124.3	108.0	76.4	93.2	138.7	NA	NA
Mathematics and computer sciences, nec	97.1	71.9	68.4	76.6	86.5	107.6	149.3	136.7	138.9	NA	NA
Physical sciences	1,060.4	1,172.8	1,268.3	976.4	1,317.3	1,273.6	1,577.4	1,567.6	1,548.6	1,657.5	1,599.5
Astronomy	20.2	20.6	25.2	39.4	86.3	109.0	148.2	175.8	155.4	NA	NA
Chemistry	330.4	327.9	301.5	260.3	459.8	288.1	432.9	389.3	415.0	NA	NA
Physics	445.7	505.9	552.0	528.1	641.0	699.5	759.6	679.6	694.0	NA	NA
Physical sciences, nec	264.2	318.4	389.6	148.5	130.3	177.0	236.6	322.9	284.1	NA	NA
Psychology	233.5	251.5	279.0	285.3	808.9	449.0	441.3	560.6	875.6	901.1	906.6
Biological aspects	29.3	27.6	14.3	5.8	2.5	3.2	2.8	12.7	5.0	NA	NA
Social aspects	73.4	83.7	84.6	56.7	41.7	54.3	47.7	46.5	46.6	NA	NA
Psychological sciences, nec	130.8	140.2	180.1	222.8	764.7	391.5	390.8	501.5	824.0	NA	NA
Social sciences	442.1	475.3	581.3	608.3	742.4	730.2	621.3	673.0	670.3	701.9	733.2
Anthropology	5.6	6.2	4.7	4.9	1.9	1.5	1.2	1.8	2.1	NA	NA
Economics	154.8	159.1	188.9	171.2	197.7	191.5	182.1	186.2	156.7	NA	NA
Political science	10.9	9.2	15.6	15.4	17.5	13.6	12.7	12.5	12.0	NA	NA
Sociology	27.9	17.7	77.4	74.7	78.8	77.6	76.6	76.0	71.5	NA	NA
Social sciences, nec	242.8	283.2	294.8	342.1	446.5	446.0	348.7	396.5	428.0	NA	NA
Other sciences, nec	407.9	446.3	510.9	639.6	636.6	554.1	618.8	626.6	880.5	930.0	946.8

TABLE 127. Federal obligations for applied research, by detailed field of science and engineering: FY 1996–2006

(Dollars in millions)

Field	1996	1997	1998	1999	2000	2001	2002	2003	2004	Preliminary	
										2005	2006
Engineering	4,068.9	4,107.3	4,301.0	4,623.7	4,582.2	6,285.5	6,410.0	6,492.0	6,594.7	7,056.8	6,832.5
Aeronautical engineering	987.6	1,083.7	1,311.2	1,278.0	1,141.1	2,060.3	1,827.0	1,476.5	1,336.6	NA	NA
Astronautical engineering	454.7	526.5	563.2	554.4	426.3	718.9	692.6	643.0	597.8	NA	NA
Chemical engineering	155.4	166.9	137.9	148.0	143.9	138.9	139.2	256.4	250.2	NA	NA
Civil engineering	247.3	230.2	208.3	259.7	179.5	240.5	256.1	288.5	274.7	NA	NA
Electrical engineering	468.3	449.3	425.4	513.1	567.7	642.8	595.6	723.7	691.3	NA	NA
Mechanical engineering	180.8	149.7	142.9	140.8	195.9	190.4	176.7	202.2	212.3	NA	NA
Metallurgy and materials engineering	487.2	398.1	310.9	306.9	400.3	489.7	492.8	502.7	445.2	NA	NA
Engineering, nec	1,087.6	1,102.8	1,201.3	1,422.9	1,527.4	1,803.9	2,229.9	2,399.1	2,786.6	NA	NA

NA = not available (data collected for this table were not recorded at that level in that particular fiscal year).

nec = not elsewhere classified.

NOTES: Because of rounding, detail may not add to total. In FY 2000, National Aeronautics and Space Administration reclassified Space Station as a physical asset, reclassified Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant; and National Institutes of Health classified all of its development activities as research. The National Science Foundation has made changes to its field of science and engineering coding system, producing changes to some of the FY 1996 field of science data (such as mechanical engineering).

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 128. Federal obligations for research and development for selected agencies, by state and other locations: FY 1985–95

(Dollars in millions)

State/location	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
All locations	47,214.8	50,310.2	54,067.4	55,471.0	59,485.0	62,105.2	59,865.4	64,089.7	65,743.8	65,820.1	66,700.1
Alabama	896.6	1,188.2	1,346.4	1,363.7	1,646.7	1,805.4	1,863.2	2,151.7	2,149.4	1,819.2	1,931.3
Alaska	51.5	49.4	48.8	50.5	71.3	90.7	102.7	93.0	92.7	157.3	96.9
Arizona	458.2	398.1	414.9	369.4	501.2	591.7	516.8	638.2	535.3	800.2	902.3
Arkansas	39.7	40.5	52.3	56.4	57.0	85.7	85.9	68.8	79.2	88.9	97.7
California	10,771.8	11,512.3	13,672.2	14,895.9	15,919.4	16,249.3	14,488.3	15,999.1	14,883.7	11,250.6	12,600.2
Colorado	629.2	1,636.4	1,516.3	1,408.4	1,618.1	1,888.3	2,694.2	1,479.2	1,343.4	1,356.4	1,049.2
Connecticut	742.8	577.3	672.2	619.5	596.7	509.8	672.7	578.3	522.2	733.5	900.7
Delaware	34.7	30.2	32.3	36.0	31.9	28.3	41.8	43.1	56.2	50.4	57.7
District of Columbia	2,077.7	2,324.0	2,209.2	2,925.3	1,914.9	1,593.1	1,943.7	2,185.2	2,488.8	2,483.6	2,755.4
Florida	1,205.2	1,448.0	2,297.3	2,133.4	2,269.8	2,343.4	2,181.1	2,832.3	2,775.3	2,906.7	2,391.8
Georgia	291.8	250.5	352.1	350.4	392.5	364.1	466.5	2,512.6	3,035.3	5,546.4	4,366.0
Hawaii	58.2	54.7	63.9	82.2	97.4	100.0	112.6	150.7	113.0	140.3	139.3
Idaho	259.7	266.6	232.7	250.1	195.9	326.1	279.1	299.5	303.7	227.8	211.0
Illinois	772.8	745.0	827.3	850.7	909.1	957.2	959.4	921.9	963.8	1,088.6	1,107.4
Indiana	227.7	295.1	339.4	312.1	392.5	363.6	378.7	367.0	513.6	403.6	426.3
Iowa	150.3	224.3	162.4	197.1	190.9	186.7	209.8	194.7	215.8	223.8	212.1
Kansas	138.1	112.7	94.2	126.7	128.8	116.4	83.6	91.2	87.9	84.8	120.4
Kentucky	69.2	59.1	61.9	68.5	73.0	96.5	122.4	71.7	86.7	90.1	73.1
Louisiana	118.8	92.4	107.4	101.3	179.6	121.2	163.6	169.6	152.6	210.5	170.1
Maine	36.7	35.6	178.6	39.8	67.7	39.7	57.1	60.6	65.2	82.1	53.1
Maryland	4,371.6	4,512.5	4,036.3	4,355.3	4,849.0	5,332.1	5,570.7	5,779.7	7,238.5	6,659.5	7,343.7
Massachusetts	3,276.7	3,240.3	3,910.8	2,702.0	2,882.5	2,982.8	3,146.4	3,227.9	3,551.7	3,201.8	3,337.8
Michigan	502.1	460.5	463.3	417.5	686.2	810.8	772.6	876.3	878.0	771.0	683.2
Minnesota	718.7	515.4	506.6	576.8	597.3	529.8	455.7	456.4	445.5	475.1	570.2
Mississippi	172.4	143.4	184.4	185.1	198.7	471.7	230.6	255.7	259.8	255.9	209.7
Missouri	694.2	677.8	614.7	637.6	1,241.9	1,064.3	587.9	733.5	726.3	2,272.6	1,606.2
Montana	26.0	26.4	30.1	35.5	36.2	30.9	45.8	71.5	69.1	57.0	63.8
Nebraska	34.6	41.1	48.9	52.1	51.2	76.4	76.1	71.1	78.5	86.5	84.7
Nevada	490.4	462.6	462.0	443.3	427.5	484.7	496.0	465.8	406.2	347.7	368.9
New Hampshire	130.3	136.0	83.6	60.8	98.0	145.1	196.3	156.1	237.6	218.9	213.2
New Jersey	1,791.8	1,781.4	1,114.9	1,209.3	1,320.4	1,601.6	1,698.2	1,646.8	1,422.8	1,385.7	1,297.7
New Mexico	2,368.6	2,500.0	1,998.2	2,296.1	2,220.4	2,311.3	2,018.7	2,211.3	2,309.6	1,894.1	1,959.9
New York	3,128.4	3,163.5	2,941.8	2,688.7	2,904.1	2,960.8	3,086.3	3,058.7	2,538.0	2,678.7	2,585.9
North Carolina	485.7	497.7	583.8	625.0	562.8	618.6	673.8	700.7	719.1	734.3	831.6
North Dakota	32.7	27.2	29.4	32.5	33.3	53.1	43.7	54.2	50.3	49.6	47.4

TABLE 128. Federal obligations for research and development for selected agencies, by state and other locations: FY 1985–95

(Dollars in millions)

State/location	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Ohio	1,520.5	1,591.7	1,862.9	1,865.2	1,938.8	2,088.5	1,729.9	1,863.4	1,921.7	1,736.4	1,810.0
Oklahoma	81.3	69.8	99.4	103.7	117.6	162.6	131.5	126.1	117.9	142.1	158.7
Oregon	151.6	127.6	133.9	170.3	168.4	175.6	216.5	226.5	229.4	279.2	283.4
Pennsylvania	1,329.6	1,301.3	1,681.9	1,731.6	1,961.9	2,074.6	2,125.6	1,794.4	2,566.5	1,983.4	2,394.2
Rhode Island	334.3	392.7	365.4	335.6	314.1	391.1	433.8	386.3	495.6	433.8	514.6
South Carolina	119.9	122.5	123.7	148.7	222.6	230.9	250.4	172.1	173.2	198.5	173.2
South Dakota	14.4	14.6	12.8	13.1	15.0	15.7	22.5	23.9	26.9	26.5	26.5
Tennessee	556.3	591.3	732.0	567.2	576.0	825.0	732.2	666.0	674.4	671.3	582.5
Texas	1,664.6	1,912.0	2,261.3	2,514.9	3,189.2	3,496.8	2,321.4	2,873.0	2,546.2	3,654.3	4,068.9
Utah	250.9	274.6	427.3	462.0	517.8	437.7	429.1	314.0	298.8	324.9	368.8
Vermont	36.1	41.1	39.6	55.9	60.1	42.5	56.1	51.3	62.1	48.5	53.0
Virginia	2,472.4	2,810.0	2,292.5	2,729.1	2,778.0	2,733.5	2,909.0	3,231.3	3,402.6	3,726.9	3,392.2
Washington	1,036.5	1,153.9	1,878.8	1,765.6	1,766.2	1,567.0	1,241.1	900.5	878.1	963.8	1,131.6
West Virginia	66.5	88.7	115.8	113.4	104.0	116.6	177.9	166.4	206.2	212.9	287.9
Wisconsin	200.8	181.9	204.8	223.2	263.5	271.7	294.5	307.7	350.8	358.3	338.5
Wyoming	25.1	14.5	23.5	29.0	38.5	57.4	29.8	41.4	48.2	36.8	35.4
Outlying areas	62.8	36.8	42.9	33.0	45.7	54.9	221.0	246.9	332.7	166.3	166.5
Puerto Rico	NA	NA	NA	NA	NA	NA	NA	NA	NA	50.5	46.7
Other areas	NA	NA	NA	NA	NA	NA	NA	NA	NA	115.8	119.8
Offices abroad	35.9	59.2	78.2	54.2	43.4	31.7	21.0	24.4	17.8	23.1	48.0

NA = not available (data collected for this table were not recorded at that level in that particular fiscal year).

NOTES: Because of rounding, detail may not add to total. Only 11 agencies are required to report data for this section of survey: Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Homeland Security, Interior, and Transportation; Environmental Protection Agency; National Aeronautics and Space Administration; and National Science Foundation. Obligations of these 11 agencies represented 96% or more of the total federal R&D obligations in that year. Although the nongeographic historical tables incorporate corrections to previously reported data that have been submitted by reporting agencies, corresponding corrections to geographic distributions are rarely obtainable. Geographic distribution of Department of Defense development funding to industry reflects location of prime contractors and not the numerous subcontractors who perform much of the R&D.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 129. Federal obligations for research and development for selected agencies, by state and other locations: FY 1996–2004

(Dollars in millions)

State/location	1996	1997	1998	1999	2000	2001	2002	2003	2004
All locations	66,292.4	68,510.2	70,710.4	73,798.2	71,261.5	78,078.4	83,978.3	91,525.0	99,062.9
Alabama	2,178.8	2,213.7	2,013.3	1,807.0	1,614.9	2,333.4	2,704.8	2,932.9	2,806.2
Alaska	93.3	99.9	107.2	115.0	146.8	212.2	273.8	246.0	261.0
Arizona	706.7	732.1	993.5	1,116.9	1,121.7	1,781.5	2,057.3	1,856.8	2,216.3
Arkansas	148.2	95.3	97.4	106.4	116.3	183.9	141.3	139.7	141.3
California	12,658.1	13,730.9	12,222.6	15,600.1	14,083.0	12,651.1	15,686.1	17,410.3	18,041.1
Colorado	1,277.6	1,340.2	1,336.3	1,438.7	1,369.7	1,340.6	1,609.0	1,612.0	1,806.2
Connecticut	798.9	846.5	699.4	655.2	806.2	1,377.4	1,916.9	2,068.0	2,088.3
Delaware	64.9	49.0	45.2	52.3	69.9	70.2	78.8	91.4	85.4
District of Columbia	2,574.1	2,232.3	2,229.8	2,451.6	2,369.5	2,605.9	2,849.5	2,916.1	3,054.8
Florida	2,957.9	3,326.4	2,754.9	2,284.4	2,216.2	2,648.4	2,300.6	2,522.1	2,740.0
Georgia	4,137.8	3,919.9	3,443.9	2,023.2	2,632.2	3,395.9	2,019.2	1,514.3	1,308.4
Hawaii	147.6	150.7	164.5	198.8	209.7	293.1	375.2	349.6	392.6
Idaho	244.6	205.7	212.7	200.7	216.9	209.3	230.9	216.1	259.8
Illinois	1,094.3	1,140.2	1,160.1	1,316.1	1,404.6	1,693.9	1,693.9	1,900.3	1,836.5
Indiana	439.8	410.4	377.7	413.9	506.3	534.7	525.7	561.2	541.1
Iowa	213.4	228.2	235.8	264.1	267.0	324.3	404.5	465.2	477.9
Kansas	212.0	255.5	154.8	191.6	223.5	306.7	290.5	190.0	210.0
Kentucky	78.6	91.3	216.7	146.8	203.9	271.7	321.3	232.1	237.3
Louisiana	228.7	211.0	223.6	219.2	249.0	275.8	432.0	441.9	419.4
Maine	56.7	68.7	105.7	150.6	249.8	450.7	254.5	144.9	188.4
Maryland	6,730.7	7,328.8	7,966.8	8,094.4	8,684.8	9,290.4	7,192.2	7,804.4	12,163.0
Massachusetts	3,192.1	3,437.5	3,113.8	3,129.4	4,145.5	4,318.1	4,658.6	5,156.5	5,324.8
Michigan	707.9	735.1	755.9	839.8	975.1	1,175.7	1,244.2	1,673.2	1,073.0
Minnesota	679.5	609.4	806.1	885.1	781.1	900.9	1,150.8	861.3	826.4
Mississippi	250.6	289.8	280.4	351.6	394.6	402.1	622.7	1,173.9	1,593.7
Missouri	1,267.8	1,130.1	933.7	928.7	890.6	909.4	1,202.7	1,269.9	2,979.3
Montana	63.0	79.3	81.1	95.4	95.0	136.8	112.9	129.5	187.2
Nebraska	88.5	83.0	85.0	94.1	98.5	125.2	144.7	146.3	155.3
Nevada	253.2	295.0	294.7	279.1	263.9	295.4	336.0	409.3	510.2
New Hampshire	268.5	278.7	269.5	291.7	356.9	418.6	296.6	363.1	354.0
New Jersey	1,272.6	1,318.8	1,459.6	2,661.2	1,937.8	1,591.9	2,021.5	1,785.8	1,968.8
New Mexico	1,955.0	1,933.1	1,892.1	2,068.3	2,130.5	2,580.7	2,746.1	2,850.1	3,069.2
New York	2,504.9	2,471.0	2,560.5	2,689.0	2,927.5	3,336.2	3,746.8	3,972.9	4,034.1
North Carolina	821.5	900.3	922.7	1,007.5	1,062.5	1,400.9	1,390.4	1,610.9	1,677.0
North Dakota	46.2	53.0	52.1	59.9	64.1	77.9	102.1	101.8	103.0
Ohio	1,681.7	1,879.8	5,563.0	3,687.9	1,799.1	2,327.0	2,103.4	2,396.0	2,505.5
Oklahoma	138.3	160.4	176.2	165.8	185.1	225.8	271.6	274.3	304.0
Oregon	308.2	319.6	348.6	408.1	468.2	522.6	502.3	480.2	448.8
Pennsylvania	1,921.2	1,893.7	1,886.5	1,907.1	2,357.6	2,601.6	3,162.0	3,787.9	3,282.4
Rhode Island	583.2	403.8	385.8	391.7	418.0	437.5	501.3	523.3	495.3
South Carolina	186.7	166.6	188.7	215.9	249.0	314.3	371.0	411.7	373.3
South Dakota	35.0	42.0	46.0	39.0	38.8	54.9	58.7	54.8	70.0
Tennessee	558.6	566.2	621.2	684.7	734.4	844.7	961.1	1,039.3	1,063.4
Texas	3,493.5	3,640.2	4,112.5	3,853.3	2,671.8	2,925.4	3,374.4	4,757.0	5,026.0
Utah	351.7	319.9	393.4	305.0	286.0	395.1	408.7	650.2	682.1
Vermont	47.1	49.9	57.7	61.7	72.0	112.7	136.4	181.9	211.7
Virginia	4,576.3	4,849.8	4,671.2	5,750.4	4,848.0	4,809.9	5,756.3	6,212.9	6,191.5
Washington	1,152.9	1,226.2	1,246.9	1,306.8	1,329.5	1,544.6	1,998.9	2,292.1	2,070.9
West Virginia	254.4	193.1	243.3	227.0	235.7	352.8	254.2	367.4	288.7
Wisconsin	331.4	332.2	333.0	377.8	420.8	487.9	594.8	657.2	644.6
Wyoming	37.5	28.4	33.5	35.2	35.1	37.0	39.6	41.1	45.7

TABLE 129. Federal obligations for research and development for selected agencies, by state and other locations: FY 1996–2004

(Dollars in millions)

State/location	1996	1997	1998	1999	2000	2001	2002	2003	2004
Outlying areas	172.6	93.3	115.7	133.1	117.9	133.3	284.7	216.9	128.8
Puerto Rico	51.6	58.9	65.7	72.7	81.0	90.8	135.3	112.2	100.9
Other areas	121.0	34.3	50.0	60.4	36.9	42.5	149.4	104.7	27.9
Offices abroad	48.5	54.6	18.2	19.8	109.1	30.3	64.4	60.9	99.4

NOTES: Because of rounding, detail may not add to total. Only 11 agencies are required to report data for this section of survey: Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Homeland Security, Interior, and Transportation; Environmental Protection Agency; National Aeronautics and Space Administration; and National Science Foundation. Obligations of these 11 agencies represented 96% or more of the total federal R&D obligations in that year. Although the nongeographic historical tables incorporate corrections to previously reported data that have been submitted by reporting agencies, corresponding corrections to geographic distributions are rarely obtainable. Geographic distribution of Department of Defense development funding to industry reflects location of prime contractors and not the numerous subcontractors who perform much of the R&D.

In FY 2000, National Aeronautics and Space Administration reclassified Space Station as a physical asset, reclassified Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant; and National Institutes of Health reclassified all of its development activities as research.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 130. Federal obligations for R&D plant for selected agencies, by state and other locations: FY 1985-95

(Dollars in millions)

State/location	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
All locations	1,774.7	1,482.5	1,793.8	2,025.1	2,144.3	2,230.1	2,807.0	2,962.9	3,054.5	2,196.2	2,210.8
Alabama	41.4	41.2	42.8	51.8	47.2	109.7	165.0	346.1	368.2	94.1	44.1
Alaska	12.9	0.0	0.0	6.4	0.0	11.1	0.2	0.8	1.0	88.0	1.4
Arizona	2.9	1.7	19.6	21.8	18.1	2.5	16.4	7.9	16.9	20.8	42.7
Arkansas	0.5	0.9	0.5	0.4	3.1	2.2	5.3	4.4	3.3	3.9	3.9
California	404.2	323.5	290.7	429.0	446.7	459.0	377.8	356.1	469.6	209.5	414.0
Colorado	32.4	16.3	12.8	53.5	62.5	32.3	50.7	55.6	30.0	36.9	31.2
Connecticut	8.4	1.2	0.4	1.0	1.4	1.8	2.6	2.6	14.4	3.8	5.2
Delaware	0.4	0.4	0.4	1.3	0.2	*	*	0.1	2.1	1.1	1.9
District of Columbia	92.5	28.0	24.1	15.4	17.1	7.4	16.3	17.8	13.3	11.2	3.0
Florida	42.8	53.2	64.6	86.0	100.0	68.3	132.1	143.1	73.5	101.7	40.6
Georgia	2.6	15.6	23.1	2.7	10.8	3.6	6.0	6.4	3.5	5.3	12.4
Hawaii	0.9	0.6	0.6	6.9	0.4	1.4	9.2	6.5	19.3	14.3	0.5
Idaho	8.3	24.7	17.8	39.6	12.0	30.3	46.0	39.6	27.4	12.5	8.9
Illinois	110.1	96.6	94.3	76.7	94.9	116.3	319.7	183.9	201.6	208.5	190.0
Indiana	4.5	0.5	5.8	1.9	1.5	1.3	5.0	8.4	22.6	4.1	4.8
Iowa	1.4	3.3	22.7	3.8	6.2	10.4	26.1	5.2	7.9	10.1	15.5
Kansas	2.3	41.0	49.8	0.1	1.6	3.1	5.2	2.5	10.1	10.6	1.2
Kentucky	0.3	0.3	1.7	0.1	0.5	0.7	1.6	0.0	0.0	3.9	4.7
Louisiana	2.0	2.2	2.5	31.9	47.2	33.6	26.1	26.2	29.5	21.0	21.5
Maine	*	*	*	0.3	0.1	0.7	0.7	1.5	1.0	1.9	0.7
Maryland	145.4	78.6	109.8	79.2	120.1	178.9	235.9	229.7	264.6	196.2	390.3
Massachusetts	66.1	17.7	36.3	94.2	54.7	78.2	32.5	20.2	22.3	15.8	23.1
Michigan	5.1	1.2	1.4	4.4	4.6	6.6	3.0	9.1	21.7	4.5	3.7
Minnesota	0.8	1.1	0.4	0.7	1.8	1.1	2.1	2.5	3.0	17.2	5.1
Mississippi	12.6	13.5	39.1	19.1	41.1	47.4	50.8	41.6	42.2	31.9	36.5
Missouri	3.7	4.7	4.8	2.7	3.7	1.9	6.5	1.7	1.5	4.7	4.6
Montana	0.2	0.2	0.2	0.2	0.2	0.5	1.6	2.7	1.6	3.6	4.9
Nebraska	0.4	7.3	1.4	4.1	2.8	4.1	6.0	5.7	1.0	1.0	2.3
Nevada	155.2	69.9	87.0	103.3	69.3	61.1	57.7	59.7	50.2	26.9	38.5
New Hampshire	0.4	0.3	0.2	*	0.2	0.3	0.3	4.0	0.8	0.3	0.0
New Jersey	40.1	37.6	39.8	52.6	46.8	51.3	30.0	39.0	53.2	45.3	34.9
New Mexico	243.7	192.0	256.6	231.4	239.6	197.9	175.5	164.7	181.4	152.6	133.8
New York	75.3	105.0	113.4	115.3	101.6	100.6	107.2	194.5	177.7	186.1	159.1
North Carolina	10.4	2.2	3.4	0.9	4.3	3.4	7.4	6.8	36.6	40.0	25.7
North Dakota	1.3	8.8	0.8	9.2	6.0	7.4	9.0	7.4	5.5	5.8	4.9

TABLE 130. Federal obligations for R&D plant for selected agencies, by state and other locations: FY 1985–95

(Dollars in millions)

State/location	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Ohio	46.5	19.2	58.1	68.5	69.8	56.3	115.4	122.2	64.1	128.1	147.5
Oklahoma	1.7	2.3	0.9	10.7	4.5	1.5	3.3	4.1	1.0	1.9	2.8
Oregon	1.2	12.0	24.7	8.6	30.1	12.3	3.3	1.8	13.8	6.5	5.2
Pennsylvania	18.7	19.0	41.4	56.3	79.0	36.0	89.5	52.0	95.7	72.2	35.4
Rhode Island	31.6	5.5	6.4	2.0	1.6	0.8	14.3	1.9	0.6	0.6	7.3
South Carolina	7.5	5.7	19.6	8.2	8.9	3.7	31.9	4.1	4.9	14.7	2.7
South Dakota	0.1	*	0.1	0.6	0.3	1.7	2.0	1.5	1.0	5.6	4.3
Tennessee	33.8	30.8	29.3	57.2	58.8	62.4	63.2	48.1	29.5	77.4	37.1
Texas	19.4	79.7	75.1	40.7	97.6	210.6	218.0	465.7	429.1	56.6	84.2
Utah	2.4	13.6	14.2	6.8	12.1	2.5	3.5	1.5	3.5	6.7	4.6
Vermont	0.0	0.0	1.0	8.0	1.4	0.4	0.8	0.0	0.1	0.6	0.0
Virginia	26.7	45.5	89.4	105.5	127.4	128.7	175.5	172.4	131.0	126.6	81.1
Washington	32.7	26.4	24.8	31.2	35.5	44.2	34.5	54.3	71.6	71.5	64.3
West Virginia	11.4	10.2	16.5	23.2	26.7	12.4	89.4	9.7	8.4	4.8	5.4
Wisconsin	5.6	2.7	4.0	2.0	4.0	4.4	13.0	10.2	8.0	24.6	9.6
Wyoming	0.1	0.1	0.3	0.2	0.1	0.2	0.7	1.8	0.6	1.8	1.5
Outlying areas	1.4	13.9	18.2	46.5	1.5	14.9	11.0	6.9	13.1	0.5	1.4
Puerto Rico	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.4	0.3
Other areas	NA	NA	NA	NA	NA	NA	NA	NA	NA	*	1.1
Offices abroad	2.3	4.5	1.0	0.9	16.8	0.3	0.5	0.6	0.6	0.7	1.3

* = amount greater than 0 but less than \$50,000.

NA = not available (data collected for this table were not recorded at that level in that particular fiscal year).

NOTES: Because of rounding, detail may not add to total. Only 11 agencies are required to report data for this section of survey: Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Homeland Security, Interior, and Transportation; Environmental Protection Agency; National Aeronautics and Space Administration; and National Science Foundation. Obligations of these 11 agencies represented 96% or more of the total federal R&D obligations in that year. Although the nongeographic historical tables incorporate corrections to previously reported data that have been submitted by reporting agencies, corresponding corrections to geographic distributions are rarely obtainable. Geographic distribution of Department of Defense development funding to industry reflects location of prime contractors and not the numerous subcontractors who perform much of the R&D.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

TABLE 131. Federal obligations for R&D plant for selected agencies, by state and other locations: FY 1996–2004

(Dollars in millions)

State/location	1996	1997	1998	1999	2000	2001	2002	2003	2004
All locations	1,736.6	1,891.1	1,809.8	2,042.3	4,489.3	4,026.0	4,289.7	4,239.8	3,979.3
Alabama	48.9	43.4	38.6	66.6	210.6	202.6	176.1	92.5	37.3
Alaska	0.2	3.0	0.0	0.0	0.3	0.4	281.4	133.9	126.8
Arizona	3.0	1.9	7.5	1.1	4.1	2.7	6.7	38.3	27.7
Arkansas	12.5	14.1	18.5	3.0	3.2	4.7	13.0	6.0	7.7
California	341.2	418.9	426.4	467.7	503.0	570.3	523.9	519.3	987.7
Colorado	28.4	52.6	63.3	43.2	34.6	54.5	118.3	97.1	82.9
Connecticut	3.6	5.2	2.6	2.3	91.0	55.6	51.6	48.7	46.8
Delaware	2.0	2.4	0.8	1.1	0.3	0.1	1.0	0.9	0.6
District of Columbia	4.6	7.0	13.2	53.7	30.0	26.5	52.8	18.7	118.1
Florida	65.3	66.1	66.4	56.2	238.3	180.0	196.1	173.0	120.9
Georgia	4.6	5.2	3.8	8.5	9.2	20.1	18.0	7.5	16.4
Hawaii	1.7	3.0	1.5	9.3	1.8	2.8	6.4	1.9	7.0
Idaho	19.2	26.2	11.5	8.2	27.2	18.4	12.7	7.0	22.6
Illinois	147.3	134.3	152.6	151.5	143.1	167.2	100.7	122.1	122.9
Indiana	15.2	7.9	3.1	6.7	12.2	18.0	11.9	12.3	7.7
Iowa	10.1	8.9	7.2	6.2	8.1	16.6	16.3	30.0	107.0
Kansas	1.5	1.4	0.6	4.0	3.0	3.0	5.6	1.9	1.3
Kentucky	2.4	0.4	0.0	0.1	2.6	0.8	0.9	3.1	7.4
Louisiana	26.5	18.6	30.4	28.8	11.7	16.5	35.9	56.8	17.2
Maine	0.2	0.3	1.6	1.5	1.5	7.5	8.1	0.9	4.8
Maryland	240.2	299.6	304.2	302.2	352.4	107.5	210.3	106.0	472.7
Massachusetts	14.1	12.1	10.7	20.3	41.6	58.9	24.2	233.4	21.6
Michigan	6.3	5.0	3.0	5.9	5.9	17.6	5.1	17.0	8.0
Minnesota	6.3	2.6	3.5	7.2	3.7	7.5	8.2	4.2	5.7
Mississippi	32.8	38.8	47.6	26.8	20.7	31.0	43.4	24.4	11.0
Missouri	4.4	5.7	4.0	1.8	3.1	11.4	5.2	21.2	4.7
Montana	5.8	9.6	2.0	1.4	2.4	7.5	8.0	6.5	3.4
Nebraska	1.0	0.8	0.9	0.9	3.4	12.2	4.8	0.8	1.5
Nevada	16.1	1.0	2.9	14.7	6.2	14.6	16.5	12.4	7.6
New Hampshire	0.6	2.3	0.3	0.5	4.1	2.6	1.3	2.8	6.6
New Jersey	26.7	29.9	32.1	30.8	46.4	39.2	29.2	72.5	50.5
New Mexico	77.5	124.8	113.9	99.8	122.2	159.7	127.8	187.9	269.4
New York	164.6	152.2	122.1	89.0	113.6	138.2	129.2	89.2	71.3
North Carolina	20.5	27.4	30.4	38.0	7.7	14.3	8.6	26.2	21.0
North Dakota	1.5	3.7	3.2	2.3	1.1	1.5	1.7	0.2	0.0
Ohio	67.5	49.7	91.2	108.1	68.7	84.4	56.3	26.4	19.5
Oklahoma	3.2	6.7	2.6	7.8	3.5	2.7	4.3	14.4	17.6
Oregon	8.1	5.9	3.2	8.9	4.0	16.2	7.3	8.3	7.1
Pennsylvania	51.3	40.8	17.9	28.0	63.3	39.9	34.8	79.6	26.8
Rhode Island	3.9	4.6	9.7	15.4	2.9	1.3	18.5	0.2	12.0
South Carolina	2.2	10.3	1.0	18.5	18.2	6.3	6.7	10.0	8.6
South Dakota	3.0	0.4	0.6	0.2	2.2	0.4	3.1	1.1	10.8
Tennessee	22.9	38.7	28.8	135.4	128.9	288.3	333.3	309.6	199.7
Texas	56.5	62.8	35.8	44.1	2,014.2	1,421.5	1,399.2	1,370.4	568.7
Utah	2.6	2.8	1.5	1.2	1.8	3.0	8.4	8.3	1.1
Vermont	2.2	0.5	0.1	0.5	2.1	0.3	0.1	0.0	0.6
Virginia	69.7	56.6	53.7	61.3	60.6	114.4	99.9	147.3	179.3
Washington	71.8	64.8	12.1	14.9	12.1	20.5	18.6	30.6	32.4
West Virginia	2.6	2.8	12.6	25.0	18.4	18.6	8.7	6.0	11.3
Wisconsin	3.0	2.0	1.1	3.2	10.5	11.5	23.9	47.7	56.2

TABLE 131. Federal obligations for R&D plant for selected agencies, by state and other locations: FY 1996–2004

(Dollars in millions)

State/location	1996	1997	1998	1999	2000	2001	2002	2003	2004
Wyoming	0.5	0.6	0.7	0.3	0.9	0.3	0.6	0.2	0.3
Outlying areas	8.3	4.3	3.1	7.5	5.6	3.7	4.5	1.9	1.6
Puerto Rico	0.3	0.4	2.2	1.3	3.2	1.5	4.5	1.9	1.6
Other areas	8.1	3.9	0.9	6.2	2.4	2.2	0.0	0.0	0.0
Offices abroad	0.5	0.3	3.9	0.5	0.7	0.6	0.5	1.0	0.0

NOTES: Because of rounding, detail may not add to total. Only 11 agencies are required to report data for this section of survey: Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Homeland Security, Interior, and Transportation; Environmental Protection Agency; National Aeronautics and Space Administration; and National Science Foundation. Obligations of these 11 agencies represented 96% or more of the total federal R&D obligations in that year. Although the nongeographic historical tables incorporate corrections to previously reported data that have been submitted by reporting agencies, corresponding corrections to geographic distributions are rarely obtainable. Geographic distribution of Department of Defense development funding to industry reflects location of prime contractors and not the numerous subcontractors who perform much of the R&D.

In FY 2000, National Aeronautics and Space Administration reclassified Space Station as a physical asset, reclassified Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant; and National Institutes of Health reclassified all of its development activities as research.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.

Appendix A. Technical Notes

Scope and Method

During the period February 2005 through February 2006, a total of 30 federal agencies (15 federal departments and 15 independent agencies) submitted data in response to the National Science Foundation's (NSF) annual Survey of Federal Funds for Research and Development (Federal Funds Survey), which was distributed in February 2005. Because in some cases multiple subdivisions of a federal department were requested to complete the survey, there were 90 individual respondents (5 federal departments, 15 independent agencies, and 70 department subdivisions). The agencies reported their data as obligations and outlays incurred or expected to be incurred, regardless of when the funds were appropriated or whether they were identified in the respondents' budgets specifically for R&D activities.

Only those agencies that had obligations in the variables represented by a particular table appear in that table. Appendix B provides a complete list of the federal agencies that have been included in the Federal Funds Survey. Additional notes associated with these agencies are provided in appendix C.

Definitions

Definitions are essentially unchanged from those used in past surveys.

1. *Agency and subdivision.* An *agency* is an organization of the federal government whose principal executive officer reports to the President. The Library of Congress is also included in the survey, even though its chief officer reports to Congress. *Subdivision* refers to any organizational unit of a reporting agency, such as a bureau, division, office, or service.
2. *Obligations and Outlays.* *Obligations* represent the amounts for orders placed, contracts awarded, services received, and similar transactions during a given period, regardless of when the funds were appropriated and when future payment of money is required. *Outlays* represent the amounts for checks issued and cash payments made during a given period, regardless of when the funds were appropriated. Obligations and outlays cover all transactions that occurred in FY 2004 and those estimated for FY 2005 and 2006.

Obligations and outlays reported are consistent with figures shown for FY 2004, 2005, and 2006 appearing in the *Budget of the United States Government, Fiscal Year 2006*. The R&D data that agencies submit to the Office of Management and Budget and to the Federal Funds Survey are based on the same definitions and are reconcilable.

The data include all federal funds available to an agency that the agency received or expects to receive from direct appropriations, trust funds, special account receipts, corporate income, or other sources, including funds appropriated to the President.

The amounts shown for each year reflect obligations or outlays for that year regardless of when the funds were originally authorized or received and regardless of whether they were appropriated, received, or identified in the agency's budget specifically for research, development, or R&D plant.

In reporting its obligations or outlays, each agency includes the amounts transferred to other agencies for support of R&D. The receiving agencies do not report funds transferred to them. Similarly, a subdivision of an agency that

transfers funds to another subdivision within that agency reports such obligations or outlays as its own.

Obligations and outlays for R&D performed for an agency in foreign countries include all funds available to the agency for this purpose, including funds separately appropriated for special foreign-currency programs.

Funds reported for R&D reflect full-cost coverage, which is the costs of specific R&D and the applicable overhead costs. The amounts reported include the costs of planning and administering R&D programs, laboratory overhead, pay of military personnel, and departmental administration.

3. *Fiscal year.* The accounting period for the federal government begins 1 October of a given year and ends 30 September of the following year; thus, FY 2004 began on 1 October 2003 and ended 30 September 2004.
4. *Research, development, and R&D plant.* Amounts for R&D and R&D plant include all direct, incidental, or related costs resulting from, or necessary to, performance of R&D and costs of R&D plant as defined below, regardless of whether the R&D is performed by a federal agency (intramurally) or by private individuals and organizations under grant or contract (extramurally). R&D excludes routine product testing, quality control, mapping and surveys, collection of general-purpose statistics, experimental production, and the training of scientific personnel.
 - a. *Research* is defined as systematic study directed toward fuller scientific knowledge or understanding of the subject studied. Research is classified as either basic or applied according to the objectives of the sponsoring agency.

Basic research is defined as systematic study directed toward fuller knowledge or understanding of the fundamental aspects of phenomena and of observable facts without specific applications towards processes or products in mind.

Applied research is defined as systematic study to gain knowledge or understanding necessary to determine the means by which a recognized and specific need may be met.

- b. *Development* is defined as systematic application of knowledge or understanding, directed toward the production of useful materials, devices, and systems or methods, including design, development, and improvement of prototypes and new processes to meet specific requirements.

To better differentiate between the part of the federal R&D budget that supports science and key enabling technologies (including technologies for military and nondefense applications) and the part that primarily supports testing and evaluation (mostly of defense-related systems), NSF now collects from the Department of Defense (DOD) development dollars in two categories: advanced technology development and major systems development.

DOD uses service codes 6.1 through 6.7 to classify data into the survey categories. Within DOD's research categories, basic research is classified

as 6.1, and applied research is classified as 6.2. Within DOD's development categories, advanced technology development is classified as 6.3A. Major systems development is classified as 6.3B through 6.7 and includes demonstration and validation, engineering and manufacturing development, management and support, and operational system development.

- c. *Demonstration* includes amounts for activities that are part of R&D (i.e., that are intended to prove or to test whether a technology or method does in fact work). Demonstrations intended primarily to make information available about new technologies or methods are excluded.
- d. *R&D plant* is defined as R&D facilities and fixed equipment, such as reactors, wind tunnels, and particle accelerators. Amounts include acquisition of, construction of, major repairs to, or alterations in structures, works, equipment, facilities, or land for use in R&D activities at federal or nonfederal installations. Excluded from the R&D plant category are costs of expendable or movable equipment (e.g., spectrometers, microscopes) and office furniture and equipment. Also excluded are the costs of predesign studies (e.g., those undertaken before commitment to a specific facility). These excluded costs are reported under "total conduct of research and development." Obligations for foreign R&D plant are limited to federal funds for facilities that are located abroad and used in support of foreign R&D.

5. *Fields of science and engineering*. In this survey there are eight broad field categories, each comprising a number of detailed fields. The broad fields are environmental sciences, life sciences, mathematics and computer sciences, physical sciences, psychology, social sciences, sciences not elsewhere classified, and engineering. The term "not elsewhere classified" (nec) is used for multidisciplinary projects within a broad field and for single-discipline projects for which a separate field has not been assigned. The following list presents the broad fields and their associated detailed fields, together with illustrative disciplines of detailed fields.

The illustrative disciplines are intended to be guidelines, not sharp definitions; they represent examples of disciplines generally classified under each detailed field. A discipline under one detailed field may be classified under another detailed field when the major emphasis is elsewhere. Research in biochemistry, for example, might be reported as biological, agricultural, or medical, depending on the focus of the project. Human biochemistry would be classified under biological, but animal biochemistry or plant biochemistry would fall under agricultural. In no case is the research reported under more than one field. No double counting is intended or allowed.

- a. *Environmental sciences* (terrestrial and extraterrestrial) are, with the exception of oceanography, concerned with the gross nonbiological properties of the areas of the solar system that directly or indirectly affect human survival and welfare. Obligations for studies pertaining to life in the sea or other bodies of water are reported as support of oceanography and not biology. Environmental sciences comprises the detailed fields of atmospheric sciences, geological sciences, oceanography, and

environmental sciences nec. Examples of disciplines in these detailed fields are as follows:

Atmospheric sciences: aeronomy, extraterrestrial atmospheres, meteorology, solar science, weather modification

Geological sciences: engineering geophysics, general geology, geodesy and gravity, geomagnetism, hydrology, inorganic geochemistry, isotopic geochemistry, laboratory geophysics, organic geochemistry, paleomagnetism, paleontology, physical geography and cartography, seismology

Oceanography: biological oceanography, chemical oceanography, marine geophysics, physical oceanography

Environmental sciences nec

- b. *Life sciences* is concerned with the scientific study of living organisms and their systems. It comprises five detailed fields: agricultural sciences, biological sciences (excluding environmental biology), environmental biology, medical sciences, and life sciences nec. Examples of the disciplines in these detailed fields are as follows:

Agricultural sciences: agronomy, animal sciences, food science and technology, fish and wildlife, forestry, horticulture, phytopathology, phytoproduction, plant sciences, soils and soil science, general agriculture, other agriculture nec

Biological sciences (excluding environmental biology): anatomy, biochemistry, biology, biometry and biostatistics, biophysics, botany, cell biology, entomology and parasitology, genetics, microbiology, neuroscience (biological), nutrition, physiology, zoology, other biological sciences nec

Environmental biology: ecosystem sciences, evolutionary biology, limnology, physiological ecology, population and biotic community ecology, population biology, systematics, other environmental biology nec

Medical sciences: dentistry, internal medicine, neurology, obstetrics and gynecology, ophthalmology, otolaryngology, pathology, pediatrics, pharmacology, pharmacy, preventive medicine, psychiatry, radiology, surgery, veterinary medicine, other medical sciences nec

Life sciences nec

- c. *Mathematics and computer sciences* employs logical reasoning with the aid of symbols and is concerned with the development of methods of operation using such symbols or with the application of such methods to automated information systems. It comprises the detailed fields of mathematics and computer sciences. Examples of disciplines in these detailed fields are as follows:

Mathematics: algebra, analysis, applied mathematics, foundations and logic, geometry, numerical analysis, statistics, topology

Computer sciences: computer and information sciences (general); design, development, and application of computer capabilities to data storage and manipulation; information sciences and systems; programming languages; systems analysis

Mathematics and computer sciences nec

- d. *Physical sciences* is concerned with understanding of the material universe and its phenomena. It comprises the detailed fields of astronomy, chemistry, physics, and physical sciences nec. Examples of disciplines in these detailed fields are as follows:

Astronomy: laboratory astrophysics; optical astronomy; radio astronomy; theoretical astrophysics; x ray, gamma-ray, and neutrino astronomy

Chemistry: inorganic, organic, organometallic, and physical chemistry

Physics: acoustics, atomic and molecular physics, condensed-matter physics, elementary particle physics, nuclear structure, optics, plasma physics

Physical sciences nec

- e. *Psychology* deals with behavior, mental processes, and individual and group characteristics and abilities. Psychology in this survey is divided into three categories: biological aspects, social aspects, and psychological sciences nec. Examples of the disciplines in these categories are as follows:

Biological aspects: animal behavior, clinical psychology, comparative psychology, ethology, and experimental psychology

Social aspects: development and personality; educational, personnel, and vocational psychology and testing; industrial and engineering psychology; social psychology

Psychological sciences nec

- f. *Social sciences* is concerned with an understanding of the behavior of social institutions and groups and of individuals as members of a group. Social sciences comprises the detailed fields of anthropology, economics, political science, sociology, and social sciences nec. Examples of disciplines in these detailed fields are as follows:

Anthropology: applied anthropology, archaeology, cultural anthropology

and personality, social anthropology and ethnology

Economics: econometrics and economic statistics; economic systems and development; economic theory; history of economic thought; industrial, labor, and agricultural economics; international economics; macroeconomics; microeconomics; public finance and fiscal policy

Political science: area or regional studies, comparative government, history of political ideas, international relations and law, national political and legal systems, political theory, public administration

Sociology: comparative and historical sociology, complex organizations, culture and social structure, demography, group interactions, social problems and social welfare, sociological theory

Social sciences nec: linguistics, research in education, research in history, research in law (e.g., attempts to assess impact on society of legal systems and practices), socioeconomic geography

- g. *Other sciences nec* is used for multidisciplinary or interdisciplinary projects that cannot be classified within one of the broad fields of science already listed.
- h. *Engineering* is concerned with developing engineering principles or making specific principles usable in engineering practice. Engineering in this survey is divided into eight detailed fields: aeronautical, astronautical, chemical, civil, electrical, mechanical, metallurgy and materials engineering, and engineering nec. Examples of disciplines in these detailed fields are as follows:

Aeronautical engineering: aerodynamics

Astronautical engineering: aerospace, space technology

Chemical engineering: petroleum, petroleum refining process

Civil engineering: architectural, environmental, hydraulic, hydrologic, marine, sanitary, and structural engineering; transportation

Electrical engineering: communication, electronic engineering, power

Mechanical engineering: engineering mechanics

Metallurgy and materials engineering: ceramic engineering, mining, textile engineering, welding

Engineering nec: agricultural engineering, bioengineering, biomedical engineering, industrial and management engineering, nuclear engineering, ocean engineering, systems engineering

- 6. *Performer*. A performer is either an intramural group or an organization carrying out an operational function, or an extramural organization or a person receiving support or providing services under a contract or grant.

- a. *Intramural performers* are the agencies of the federal government. The

work of these agencies is carried out directly by agency personnel. Obligations reported under this category are for activities performed or to be performed by the reporting agency itself or are for funds that the agency transfers to another federal agency for performance of work, as long as the ultimate performer is that agency or any federal agency. If the ultimate performer is not a federal agency, the funds transferred are reported by the transferring agency under the appropriate extramural performer category (universities and colleges, other nonprofit institutions, or industrial firms).

Intramural activities cover not only actual intramural R&D performance but also the costs associated with planning and administration of both intramural and extramural programs by federal personnel. Intramural activities also include the costs of supplies and off-the-shelf equipment (equipment that has gone beyond the development or prototype stage) procured for use in intramural R&D. For example, an operational launch vehicle purchased from an extramural source by the National Aeronautics and Space Administration (NASA), and used for intramural performance of R&D, is reported as a part of the cost of intramural R&D.

- b. *Extramural performers* are organizations outside the federal sector that perform R&D with federal funds under contract, grant, or cooperative agreement. Only those costs associated with actual R&D performance are reported, but these costs would include costs of materials and supplies to carry out R&D activities. Note, however, that the costs of off-the-shelf supplies and equipment required to support intramural R&D and procured from extramural suppliers are considered part of the costs of intramural performance and not part of the costs of extramural performance. Extramural performers are identified as follows:

- i. Industrial firms—organizations that may legally distribute net earnings to individuals or to other organizations.
- ii. Universities and colleges—institutions of higher education in the United States that offer at least 1 year of college-level study leading toward a degree. Included are colleges of liberal arts; schools of arts and sciences; professional schools, such as schools of engineering and medicine, including affiliated hospitals and associated research institutes; and agricultural experiment stations.
- iii. Other nonprofit institutions—private organizations other than educational institutions whose net earnings in no part inure to the benefit of a private stockholder or individual and other private organizations organized for the exclusive purpose of turning over their entire net earnings to such nonprofit organizations.

- iv. Federally funded research and development centers (FFRDCs)—R&D-performing organizations that are exclusively or substantially financed by the federal government and are supported by the federal government either to meet a particular R&D objective or, in some instances, to provide major facilities at universities for research and associated training purposes. Each center is administered by an industrial firm, a university, or another nonprofit institution. (A complete list of FFRDCs is provided in appendix D.)

In general, organizations included in the FFRDC category meet all the following criteria:

1. Its primary activities include one or more of the following: basic research, applied research, development, or management of R&D (specifically excluded are organizations engaged primarily in routine quality control and testing, routine service activities, production, mapping and surveys, and information dissemination).
 2. It is a separate operational unit within the parent organization or is organized as a separately incorporated organization.
 3. It performs actual R&D or R&D management either upon direct request by the federal government or under a broad charter from the federal government but in either case under the direct monitorship of the federal government.
 4. It receives its major financial support (70% or more) from the federal government, usually from one agency.
 5. It has, or is expected to have, a long-term relationship with its sponsoring agency (about 5 years or more), as evidenced by specific obligations assumed by it and the agency.
 6. Most or all of its facilities are owned by or are funded under contract with the federal government.
 7. It has an average annual budget (operating and capital equipment) of at least \$500,000.
- v. State and local governments—state and local government agencies, excluding state or local universities and colleges, agricultural experiment stations, medical schools, and affiliated hospitals. (Federal R&D funds obligated directly to such state and local institutions excluded in this category are included under the "universities and colleges" category in this report.) R&D activities under the state and local category are performed either by the state or local agencies themselves or by other organizations under grants or contracts from such agencies. Regardless of the ultimate performer, federal R&D funds directed to state and local governments are reported only under this sector.
- vi. Foreign performers—foreign citizens, foreign organizations, or foreign governments, as well as international organizations (such as the North Atlantic Treaty Organization; United Nations Educational, Scientific, and Cultural Organization (UNESCO); and World Health Organization), performing R&D work abroad financed by the federal government. Excluded from the survey are U.S. agencies,

organizations, or citizens performing R&D abroad for the federal government. The survey does not seek information on offshore payments. An exception in the past was made in the case of U.S. citizens performing R&D abroad under special foreign currency funds; these activities were included under "foreign performers" but have not been collected since the mid-1990s. Foreign scientists performing in the United States, however, are excluded.

- vii. Private individuals. When an R&D grant or contract is awarded directly to a private individual, obligations incurred are placed under "industrial firms."

7. *Federal obligations for research performed at universities and colleges, by detailed field of science.* Only seven agencies are required to respond to the portion of the survey covering federal funding of research at universities and colleges, reported by detailed field of science. These seven agencies, the Departments of Agriculture, Defense, Energy, and Health and Human Services, and Homeland Security; NASA; and NSF, represented approximately 97% of the federal research obligations to universities and colleges in FY 2004.
8. *Geographic distribution of FY 2004 R&D obligations.* Only the 11 largest R&D funding agencies are required to respond to the portion of the survey covering the geographic distribution of obligations for R&D and R&D plant. These 11 agencies, the Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Homeland Security, the Interior, and Transportation; the Environmental Protection Agency; NASA; and NSF, accounted for approximately 98% of total federal R&D and R&D plant obligations in FY 2004.
 - a. For actual FY 2004 data, respondents were asked to provide the principal location (state or outlying area) of the work performed by the primary contractor, grantee, or intramural organization. When this information was not available, respondents were asked to assign the obligations to the location (state, outlying area, or U.S. offices abroad) of the headquarters of the U.S. primary contractor, grantee, or intramural organization.
 - b. Obligations for basic research, applied research, and development were reported as a combined R&D amount for non-DOD agencies. However, DOD agencies break out development obligations by advanced technology development and major systems development. Therefore, obligations for basic research, applied research, advanced technology development, and major system development were reported as a combined R&D amount for DOD agencies.

Geographic distribution of Department of Defense development funding to industry reflects only the location of prime contractors, not the location of numerous subcontractors who perform most of the R&D.
 - c. Specifically omitted from the geographic portion of the survey were R&D obligations to foreign performers and support of foreign performers. Foreign performer data, by country, are reported in a separate section of the Federal Funds Survey.

Changes in Reporting

While completing the survey each year, agency respondents make revisions to their

estimates for the latest 2 years of the previous report, in this case FY 2004 and 2005. Such revision is part of the budgetary cycle. From time to time, survey submissions also reflect reappraisals and revisions in classification of various aspects of agencies' R&D programs. When such revisions occur, NSF requests that the agencies provide revised prior-year data to maintain consistency and comparability with the most recent R&D concepts.

Changes in the Scope of the Survey

The scope of the Federal Funds Survey has changed over time, and the survey instrument has been revised accordingly. The most recent changes are described in the following paragraphs.

Since the Volume 40 (FY 1990–92) survey cycle, DOD has reported research obligations and development obligations separately. Tables reporting obligations for research, by state and performer, and obligations for development, by state and performer, were specifically created for DOD. The additional detail provided by DOD highlights the following circumstances that are specific to DOD:

- (1) DOD funds the preponderance of federal development.
- (2) DOD development funded at institutions of higher education is typically performed at university-affiliated nonacademic laboratories. These are separate from the universities' academic departments, where university research is typically performed.

During the Volume 44 (FY 1994–96) survey cycle, the Director for Defense Research and Engineering (DDR&E) at DOD requested that NSF further clarify the true character of DOD's R&D program, particularly as it compares with other federal agencies, by adding more detail to development obligations reported by DOD respondents. Specifically, DOD requested that NSF allow DOD agencies to report development obligations in two separate categories, advanced technology development and major systems development.

The reasoning behind the DDR&E request for the additional development categories is best explained by the following excerpt from a letter written by Robert V. Tuohy, Chief, Program Analysis and Integration at DDR&E, to John E. Jankowski, Program Director, Research and Development Statistics Program, Division of Science Resources Statistics (SRS), NSF:

The DOD's R&D program is divided into two major pieces, Science and Technology (S&T) and Major Systems Development. The other federal agencies' entire R&D programs are equivalent in nature to DOD's S&T program, with the exception of the Department of Energy and possibly NASA. Comparing those other agency programs to DOD's program, including the development of weapons systems such as F-22 Fighter and the New Attack Submarine, is misleading.

At several annual issues workshops held during FY 1992–96, NSF learned from survey respondents that reliable data for certain survey items were difficult to obtain and report. As a result, NSF began to consider removing certain items from the survey instrument. The Volume 42 Detailed Statistical Tables publication was distributed with a flier notifying data users that NSF was considering eliminating several items from future volumes of the document. Data users were asked to review the list of affected tables shown on the flier and comment on the proposed eliminations to NSF.

Before publication of Volume 43 (FY 1993–95) of the detailed statistical tables, NSF removed from the document 54 tables that provided data on two of the items slated for elimination: the special foreign currency program and detailed field of science and engineering for estimated outyears. NSF continued to collect data from federal agencies for these two items through Volume 45, but eliminated the lines on the survey instrument for these items beginning with the Volume 46 (FY 1996–98) survey cycle. A special flier was included in the Volume 46 packet mailing that listed the data items that were no longer required.

NSF also removed two tables depicting data on foreign performers by region, country, and agency before publication of Volume 43 of the detailed statistical tables. These tables were reinstated with Volume 46.

Before the Volume 48 survey cycle, SRS updated the list of foreign performers in the Federal Funds Survey to match the list of countries and territories in the 1996 UNESCO Statistical Yearbook.

On 25 November 2002, President Bush signed the Homeland Security Act of 2002, establishing the Department of Homeland Security.

Limitations of the Data

Funds for R&D were reported on a 3-year basis comparable with the 2006 federal budget, upon which the data were based. The amounts reported for each year are the obligations or outlays incurred in that year, regardless of when funds were authorized or received by an agency and regardless of whether the funds were identified in the agency's budget specifically for research, development, R&D plant, or some combination of the three. The respondents reconciled the data reported to the Federal Funds Survey with the amounts for R&D they reported under Max Schedule C to the Office of Management and Budget for the President's 2006 budget.

Some agencies are not able to report the full costs of R&D. For example, the headquarters costs of planning and administering R&D programs of DOD (estimated at a fraction of 1% of the agency's R&D total) are excluded, because this agency has stated that identification of the amounts is impracticable.

R&D plant data are also underreported to some extent because of the difficulty encountered by some agencies, particularly DOD and NASA, in identifying and reporting these data. DOD respondents report obligations for the R&D plant funded under the agency's construction appropriation, but they are able to identify only a small portion of the R&D plant support that is within R&D contracts funded from DOD's appropriation for research, development, testing, and evaluation. Similarly, NASA respondents cannot separately identify the portions of industrial R&D contracts that apply to R&D plant; R&D plant data are subsumed in the R&D data covering industrial performance. NASA R&D plant data for other performing sectors are reported separately.

In FY 2000, NASA reclassified space station as a physical asset and space station research as equipment, and it transferred funding for the program from R&D to R&D plant. Also in FY 2000, the National Institutes of Health (NIH) classified all of its development activities as research. For more information on the classification changes at NASA and NIH, refer to the InfoBrief "Classification Revisions Reduced Reported Federal Development Obligations," NSF 02-309, February 2002, available at <http://www.nsf.gov/statistics/nsf02309/>.

With the FY 2004–06 survey cycle, NASA implemented a full-cost budget approach,

which includes all of the direct and indirect costs for procurement, personnel, travel, and other infrastructure-related expenses relative to a particular program and project. NASA's data for FY 2004 and later years may not be directly comparable to its data for FY 2003 and earlier years.

NIH has revised its financial database, and beginning with FY 2004, NIH records no longer contain information on field of science and engineering. Data for FY 2004 and later years are not directly comparable to data for FY 2003 and earlier years.

For the survey cycle that collected R&D data for FY 2003–05, the Department of Homeland Security (DHS) was unable to determine adequate estimates for its R&D by the categories shown in this report. Therefore, NSF was not able to include DHS data in any of the tables for that survey cycle. However, DHS was able to provide some overall obligations for R&D for the Transportation Security Administration, U.S. Coast Guard, and U.S. Secret Service, and preliminary appropriations for the Science and Technology Directorate (see below).

DHS component	FY 2003 actual	FY 2004 preliminary	FY 2005 preliminary
Transportation Security Administration	49.2	137.9	175.3
U.S. Coast Guard	15.0	23.7	NA
U.S. Secret Service	1.0	1.1	1.1
Science and Technology Directorate	NA	912.8	1,039.3

NA=not available

Appendix B. Agencies Included in the Survey of Federal Funds for Research and Development: Volumes 26–54

This appendix summarizes which agencies have reported to the Federal funds survey and have been included in Federal funds reports for volume 26 (FY 1976–78) through volume 54 (FY 2004–06). For volume 54, actual data were collected for FY 2004, and estimates were collected for FY 2005 and FY 2006.

Symbols and Acronyms

N = The agency did not exist as such; therefore, no data are available.

O = The agency existed but had no R&D to report.

T = The agency existed, but data were not collected at this level.

X = The agency existed, and data were collected and submitted by the agency.

Z = The agency existed but was unable to report.

DT&E = Developmental test and evaluation.

RDT&E = Research and development, testing, and evaluation.

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Agency	Volume									
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Department of Agriculture	T	T	T	T	T	T	T	T	T	T
Agricultural Cooperative Service	N	N	N	N	X	X	X	X	X	X
Agricultural Marketing Service	O	O	O	X	X	X	X	X	X	X
Agricultural Research Service	N	N	N	N	N	X	X	X	X	X
Agricultural Stabilization and Conservation Service	O	O	O	O	O	O	O	O	O	O
Animal and Plant Health Inspection Service	N	O	O	O	O	O	O	O	O	O
Cooperative State Research, Education, and Extension Service	N	N	N	N	N	X	X	X	X	X
Economic Research Service	N	N	N	N	N	X	X	X	X	X
Economics and Statistics Service	N	N	N	N	X	N	N	N	N	N
Economics, Statistics, and Cooperative Service	T	X	X	X	N	N	N	N	N	N
Economic Research Service	X	N	N	N	N	N	N	N	N	N
Farmer Cooperative Service	X	N	N	N	N	N	N	N	N	N
Statistical Reporting Service	X	N	N	N	N	N	N	N	N	N
Food Safety Inspection Service	N	N	N	N	N	N	N	O	O	O
Foreign Agricultural Service	N	N	N	N	N	N	N	N	O	O
Forest Service	X	X	X	X	X	X	X	X	X	X
Grain Inspection Packers and Stockyards Administration	O	O	O	O	O	O	O	O	O	X
Human Nutrition Information Service	N	N	N	N	N	X	X	X	X	X
National Agricultural Statistics Service	O	N	N	N	N	X	X	X	X	X
Natural Resources Conservation Service	N	N	N	O	O	O	O	O	O	O
Office of International Cooperation and Development	N	N	N	X	X	X	X	X	X	X
Office of Transportation	N	N	N	X	X	X	X	X	X	X
Rural Business-Cooperative Service	N	N	N	N	N	N	N	N	N	N
Rural Development Service	N	N	N	N	N	N	N	N	N	N
Science and Education Administration	T	T	T	T	T	N	N	N	N	N
Agricultural Research Service	X	X	X	X	X	N	N	N	N	N
Cooperative State Research Service	X	X	X	X	X	N	N	N	N	N
National Agricultural Library	X	N	N	N	N	N	N	N	N	N
Department of Commerce	T	T	T	T	T	T	T	T	T	T
Bureau of the Census	X	X	X	X	X	X	X	X	X	X
Economic Development Administration	X	X	X	X	X	X	X	X	X	X
Environmental Science Services Administration	N	N	N	N	N	N	N	N	N	N
Maritime Administration	X	X	X	X	X	N	N	N	N	N
Minority Business Development Agency	X	X	O	O	O	O	O	O	O	O
National Fire Prevention and Control Administration	X	X	N	N	N	N	N	N	N	N
National Institute of Standards and Technology	X	X	X	X	X	X	X	X	X	X
National Oceanic and Atmospheric Administration	X	X	X	X	X	X	X	X	X	X
National Technical Information Service	X	O	O	O	O	O	O	O	O	O
National Telecommunications and Information Administration	N	X	X	X	X	X	X	X	X	X
Office of Productivity, Technology, and Innovation	N	N	N	N	N	N	N	N	N	N
Office of the Secretary	O	O	O	X	X	X	X	X	X	X
Office of Telecommunications	X	N	N	N	N	N	N	N	N	N
Patent and Trademark Office	X	X	X	X	X	X	X	O	O	O

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U.S. Travel and Tourism Administration	O	O	O	O	O	O	O	O	O	O
Department of Defense	T	T	T	T	T	T	T	T	T	T
Defense Agencies	X	X	X	X	X	X	X	X	X	X
Chemical and Biological Defense	N	N	N	N	N	N	N	N	N	N
Defense Advanced Research Projects Agency	O	O	O	O	O	O	O	O	O	O
Defense Contract Management Agency	N	N	N	N	N	N	N	N	N	N
Defense Information Systems Agency	O	O	O	O	O	O	O	O	O	O
Defense Logistics Agency	O	O	O	O	O	O	O	O	O	O
Defense Nuclear Agency	O	O	O	O	O	O	O	O	O	O
Defense Special Weapons Agency	O	O	O	O	O	O	O	O	O	O
Defense Threat Reduction Agency	N	N	N	N	N	N	N	N	N	N
Joint Staff	O	O	O	O	O	O	O	O	O	O
Missile Defense Agency	O	O	O	O	O	O	O	O	O	O
National Imagery and Mapping Agency (formerly Defense Mapping Agency)	O	O	X	X	X	X	X	O	X	X
Other DOD	N	N	N	N	N	N	N	N	N	N
Special Operations Command	O	O	O	O	O	O	O	X	X	X
Uniformed Services University of the Health Sciences	O	O	O	O	O	O	O	O	O	O
Washington Headquarters Services	X	X	X	X	X	X	X	X	X	X
Defense Civil Preparedness Agency	X	X	X	N	N	N	N	N	N	N
Department of the Air Force	X	X	X	X	X	X	X	X	X	X
DT&E Support From Operations and Maintenance	N	N	N	N	N	N	N	O	O	O
DT&E Support From Procurement Appropriations	N	N	N	N	N	N	N	O	O	O
Housing for Military Personnel in R&D	N	N	N	O	O	O	O	O	O	O
Materiel Command	T	T	T	T	T	T	T	T	T	T
Military Construction	X	X	X	X	X	X	X	X	X	X
Pay and Allowances of Military Personnel in R&D	X	X	X	X	X	X	X	X	X	X
RDT&E Appropriation	X	X	X	X	X	X	X	X	X	X
Space Command	T	T	T	T	T	T	T	T	T	T
Special Foreign Currency Program	O	O	O	O	O	O	O	O	O	O
Department of the Army	T	T	T	T	T	T	T	T	T	T
Civil Functions	X	X	X	X	X	X	X	X	X	X
Housing for Military Personnel in R&D	N	N	N	O	O	O	O	O	O	O
Military Construction	X	X	X	X	X	X	X	X	X	X
Military Functions	X	X	X	X	X	X	X	X	X	X
Pay and Allowances of Military Personnel in R&D	X	X	X	X	X	X	X	X	X	X
RDT&E Appropriation	X	X	X	X	X	X	X	X	X	X
Special Foreign Currency Program	O	O	O	O	O	O	O	X	X	X
Support From Procurement Appropriations	N	N	N	O	O	O	O	O	O	O
Department of the Navy	X	X	X	X	X	X	X	X	X	X
DT&E Support From Operations and Maintenance	N	N	N	O	O	O	O	O	O	O
DT&E Support From Procurement Appropriations	N	N	N	O	O	O	O	O	O	O
Housing for Military Personnel in R&D	N	N	N	O	O	O	O	O	O	O
Military Construction	X	X	X	X	X	X	X	X	X	X
Pay and Allowances of Military Personnel in R&D	X	X	X	X	X	X	X	X	X	X
RDT&E Appropriation	X	X	X	X	X	X	X	X	X	X
Special Foreign Currency Program	X	X	X	X	X	X	X	X	X	X
Health Affairs, Assistant Secretary of Defense for	N	N	N	N	N	N	N	N	N	N
Operational Test and Evaluation, Director	N	N	N	N	N	N	N	N	N	N
Test and Evaluation, Deputy Under Secretary of Defense	X	X	X	X	X	X	X	X	X	X
Department of Education	N	N	N	X	X	O	X	X	X	X
Department of Energy	N	X	X	X	X	X	X	X	X	X
Bonneville Power Administration	N	T	T	T	T	T	T	T	T	T
Civilian Radioactive Waste Management	N	N	N	N	N	N	N	T	T	T
Energy Efficiency and Renewable Energy	N	T	T	T	T	T	T	T	T	T
Environmental Management	N	N	N	N	N	N	N	N	N	N
Fossil Energy	N	T	T	T	T	T	T	T	T	T
National Nuclear Security Administration	N	N	N	N	N	N	N	N	N	N
Defense Programs	N	N	N	N	N	N	N	N	N	N
Fissile Materials Disposition	N	N	N	N	N	N	N	N	N	N
Naval Reactors	N	N	N	N	N	N	N	N	N	N
Nonproliferation and Verification	N	N	N	N	N	N	N	N	N	N
Nuclear Energy	N	T	T	T	T	T	T	T	T	T
Office of Intelligence	N	T	T	T	T	T	T	T	T	T
Office of Science	N	T	T	T	T	T	T	T	T	T

Agency	Volume									
	26	27	28	29	30	31	32	33	34	35
Department of Health, Education, and Welfare	T	T	T	N	N	N	N	N	N	N
Alcohol, Drug Abuse, and Mental Health Administration	X	X	X	N	N	N	N	N	N	N
Center for Disease Control	X	X	X	N	N	N	N	N	N	N
Environmental Health Service	N	N	N	N	N	N	N	N	N	N
Food and Drug Administration	X	X	X	N	N	N	N	N	N	N
Health Care Financing Administration	N	X	X	N	N	N	N	N	N	N
Health Resources Administration	X	X	X	N	N	N	N	N	N	N
Health Services Administration	X	X	X	N	N	N	N	N	N	N
Health Services and Mental Health Administration	N	N	N	N	N	N	N	N	N	N
National Institute of Education	X	X	X	N	N	N	N	N	N	N
National Institutes of Health	X	X	X	N	N	N	N	N	N	N
Office of Assistant Secretary for Education	X	X	X	N	N	N	N	N	N	N
Office of Assistant Secretary for Health	O	X	X	N	N	N	N	N	N	N
Office of Child Development	N	N	N	N	N	N	N	N	N	N
Office of Education	X	X	X	N	N	N	N	N	N	N
Office of Human Development Services	X	X	X	N	N	N	N	N	N	N
Office of International Health	N	N	N	N	N	N	N	N	N	N
Office of the Secretary	X	X	X	N	N	N	N	N	N	N
Social and Rehabilitation Service	X	N	N	N	N	N	N	N	N	N
Social Security Administration	X	X	X	N	N	N	N	N	N	N
Department of Health and Human Services	N	N	N	T	T	T	T	T	T	T
Administration for Children and Families	N	N	N	N	N	N	N	N	N	N
Administration on Aging	N	N	N	N	N	N	N	N	N	N
Agency for Healthcare Research and Quality (formerly Agency for Health Care Policy and Research)	N	N	N	N	N	N	N	N	N	N
Agency for Toxic Substances and Disease Registry	N	N	N	N	T	T	T	T	T	T
Alcohol, Drug Abuse, and Mental Health Administration	N	N	N	X	X	X	X	X	X	X
Centers for Disease Control and Prevention	N	N	N	X	X	X	X	X	X	X
Centers for Medicare & Medicaid Services (formerly Health Care Financing Administration)	N	N	N	X	X	X	X	X	X	X
Food and Drug Administration	N	N	N	X	X	X	X	X	X	X
Health Resources Administration	N	N	N	X	X	X	N	N	N	N
Health Resources and Services Administration	N	N	N	N	N	N	X	X	X	X
Health Services Administration	N	N	N	X	X	X	N	N	N	N
Human Development Services	N	N	N	X	X	X	X	X	X	X
National Institutes of Health	N	N	N	X	X	X	X	X	X	X
Office of the Assistant Secretary for Health	N	N	N	X	X	X	X	X	X	X
Office of the Secretary	N	N	N	X	X	X	X	X	X	X
Office of the Assistant Secretary, Planning and Evaluation	N	N	N	N	N	N	N	N	N	N
Office of Public Health and Science	N	N	N	N	N	N	N	N	N	N
Social Security Administration	N	N	N	X	X	X	X	X	X	X
Substance Abuse and Mental Health Services Administration	N	N	N	N	N	N	N	N	N	N
Department of Homeland Security	N	N	N	N	N	N	N	N	N	N
Science and Technology Directorate	N	N	N	N	N	N	N	N	N	N
Transportation Security Administration	N	N	N	N	N	N	N	N	N	N
U.S. Coast Guard	N	N	N	N	N	N	N	N	N	N
U.S. Secret Service	N	N	N	N	N	N	N	N	N	N
Department of Housing and Urban Development	X	X	X	X	X	X	X	X	X	X
Department of the Interior	T	T	T	T	T	T	T	T	T	T
Bonneville Power Administration	X	O	O	O	O	X	N	N	N	N
Bureau of Land Management	X	X	X	X	X	X	X	X	X	X
Bureau of Mines	X	X	X	X	X	X	X	X	X	X
Bureau of Reclamation	X	X	X	X	X	X	X	X	X	X
Federal Water Pollution Control Administration	N	N	N	N	N	N	N	N	N	N
Geological Survey	X	X	X	X	X	X	X	X	X	X
Heritage Conservation and Recreation Service	X	X	N	N	N	N	N	N	N	N
Minerals Management Service	N	N	N	N	N	N	X	X	X	X
National Biological Service	N	N	N	N	N	N	N	N	N	N
National Park Service	X	X	X	X	X	X	X	X	X	X
National Resources Library	X	N	N	N	N	N	N	N	N	N
Office of Coal Research	N	N	N	N	N	N	N	N	N	N
Office of the Secretary	X	X	X	X	X	X	X	X	X	X
Office of Surface Mining Reclamation and Enforcement	N	X	X	X	X	X	X	X	X	X
Office of Water Research and Technology	X	X	X	X	X	X	X	X	X	N
Office of Saline Water	N	N	N	N	N	N	N	N	N	N
Office of Water Resources Research	N	N	N	N	N	N	N	N	N	N

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U.S. Fish and Wildlife Service	X	X	X	X	X	X	X	X	X	X
Bureau of Commercial Fisheries	N	N	N	N	N	N	N	N	N	N
Bureau of Sport Fisheries and Wildlife	N	N	N	N	N	N	N	N	N	N
Department of Justice	T	T	T	T	T	T	T	T	T	T
Bureau of Prisons	X	X	X	X	X	X	X	X	X	X
Drug Enforcement Administration	X	X	X	X	X	X	X	X	X	X
Federal Bureau of Investigation	X	X	X	X	X	X	X	X	X	X
Immigration and Naturalization Service	X	X	X	X	X	X	X	X	X	X
Office of Justice Programs	X	X	X	X	X	X	X	X	X	X
Office of Legal Policy	X	X	X	X	X	X	X	X	X	X
Department of Labor	T	T	T	T	T	T	T	T	T	T
Bureau of Apprenticeship and Training	N	N	N	N	N	N	N	N	N	N
Bureau of Employment Security	N	N	N	N	N	N	N	N	N	N
Bureau of Labor Statistics	X	X	X	X	X	X	X	X	X	X
Employee Benefits Security Administration	N	N	N	N	N	N	N	N	X	X
Employment and Training Administration	X	X	X	X	X	X	X	X	X	X
Employment Standards Administration	X	X	X	X	X	X	X	X	X	X
Labor-Management Relations and Cooperative Programs	N	N	N	N	N	N	N	N	X	X
Labor-Management Services Administration	X	X	X	X	X	X	X	X	N	N
Occupational Safety and Health Administration	X	X	X	X	X	X	X	X	X	X
Office of the Secretary	X	X	X	X	X	X	X	X	X	X
Pension Benefit Guaranty Corporation	N	N	N	N	N	X	X	X	X	X
Wage and Hour Division	N	N	N	O	O	O	O	O	O	O
Department of State	T	T	T	T	T	T	X	X	X	X
Agency for International Development	X	X	X	N	N	N	N	N	N	N
Bureau of Intelligence and Research	N	N	N	O	O	O	O	O	O	O
Departmental Funds	X	X	X	X	X	X	O	O	O	O
Peace Corps	N	N	N	O	O	O	O	O	O	O
Department of Transportation	T	T	T	T	T	T	T	T	T	T
Federal Aviation Administration	X	X	X	X	X	X	X	X	X	X
Federal Highway Administration	X	X	X	X	X	X	X	X	X	X
Federal Motor Carrier Safety Administration	N	N	N	N	N	N	N	N	N	N
Federal Railroad Administration	X	X	X	X	X	X	X	X	X	X
Federal Transit Administration	X	X	X	X	X	X	X	X	X	X
Infrastructure Investment	N	N	N	N	N	N	N	N	N	N
Maritime Administration	N	N	N	N	N	X	X	X	X	X
Materials Transportation Bureau	X	O	O	O	O	O	O	O	O	O
National Highway Traffic Safety Administration	X	X	X	X	X	X	X	X	X	X
Office of the Secretary	X	X	X	X	X	X	X	X	X	X
Pipeline and Hazardous Materials Safety Administration	N	X	X	X	X	X	X	X	X	X
Research and Innovative Technology Administration	N	N	N	N	N	N	N	N	N	N
U.S. Coast Guard	X	X	X	X	X	X	X	X	X	X
Department of the Treasury	T	T	T	T	T	T	T	T	T	T
Bureau of Alcohol, Tobacco, and Firearms	X	X	X	X	X	X	N	N	N	N
Bureau of Engraving and Printing	X	X	X	X	X	X	X	X	X	X
Financial Crimes Enforcement Network	O	O	O	O	O	O	O	O	O	O
Internal Revenue Service	O	O	X	X	X	X	X	X	X	X
Office of Thrift Supervision	N	N	N	N	N	N	N	N	N	N
U.S. Customs Service	X	X	X	X	X	X	X	X	X	X
U.S. Mint	O	O	O	O	O	O	O	O	X	X
U.S. Secret Service	N	N	N	N	X	X	X	X	X	X
Department of Veterans Affairs	X	X	X	X	X	X	X	X	X	X
Post Office Department	N	N	N	N	N	N	N	N	N	N
Other agencies										
ACTION	X	X	X	X	O	O	O	O	O	O
Advisory Commission on Intergovernmental Relations	X	X	X	X	X	X	X	X	X	X
Appalachian Regional Commission	X	X	X	X	X	X	X	X	X	X
Atomic Energy Commission	N	N	N	N	N	N	N	N	N	N
Broadcasting Board of Governors	N	N	N	N	N	N	N	N	N	N
Civil Aeronautics Board	N	N	N	N	N	N	N	N	N	N
Civil Service Commission	X	X	N	N	N	N	N	N	N	N
Community Services Administration	X	X	X	X	X	X	N	N	N	N

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Consumer Product Safety Commission	X	X	X	X	X	X	X	X	X	X
Energy Research and Development Administration	X	N	N	N	N	N	N	N	N	N
Energy Security Trust Fund	N	N	N	X	N	N	N	N	N	N
Environmental Protection Agency	X	X	X	X	X	X	X	X	X	X
Federal Communications Commission	X	X	X	X	X	X	X	X	X	X
Federal Emergency Management Agency	N	N	T	X	X	X	X	X	X	X
Defense Civil Preparedness Agency	N	N	N	O	O	O	O	O	O	O
National Fire Prevention and Control Administration	N	N	X	O	O	O	O	O	O	O
Federal Energy Administration	X	N	N	N	N	N	N	N	N	N
Federal Trade Commission	X	X	X	X	X	X	X	X	X	X
Foundation for Educational Assistance	N	N	N	N	N	X	N	N	N	N
General Services Administration	X	X	X	X	X	X	X	X	X	X
International Development Cooperation Agency	N	N	N	T	T	T	T	T	T	T
Agency for International Development	N	N	N	X	X	X	X	X	X	X
Institute for Scientific and Technological Cooperation	O	O	O	X	O	O	O	O	O	O
Interstate Commerce Commission	X	X	X	X	X	X	O	O	O	O
Library of Congress	X	X	X	X	X	X	X	X	X	X
National Aeronautics and Space Administration	X	X	X	X	X	X	X	X	X	X
National Archives and Records Administration	N	N	N	N	N	N	N	N	N	X
National Science Foundation	X	X	X	X	X	X	X	X	X	X
Nuclear Regulatory Commission	X	X	X	X	X	X	X	X	X	X
Office of Economic Opportunity	N	N	N	N	N	N	N	N	N	N
Office of Emergency Preparedness	N	N	N	N	N	N	N	N	N	N
Office of Personnel Management	N	N	X	X	X	X	O	O	O	O
Office of Science and Technology	N	N	N	N	N	N	N	N	N	N
Office of Telecommunications Policy	X	N	N	N	N	N	N	N	N	N
Office of Thrift Supervision	X	X	X	X	X	X	X	X	X	X
Postal Service	N	N	N	O	O	O	O	O	O	O
Small Business Administration	X	X	O	O	O	O	O	O	O	O
Smithsonian Institution	X	X	X	X	X	X	X	X	X	X
Social Security Administration	N	N	N	N	N	N	N	N	N	N
Special Action Office for Drug Abuse Prevention	N	N	N	N	N	N	N	N	N	N
Tennessee Valley Authority	X	X	X	X	X	X	X	X	X	X
U.S. Arms Control and Disarmament Agency	X	X	X	X	X	X	X	X	X	X
U.S. Commission on Civil Rights	N	N	N	O	O	O	O	O	O	O
U.S. Information Agency	X	X	X	X	X	X	X	X	X	X
U.S. International Trade Commission	X	X	X	X	X	X	X	X	X	X

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Department of Agriculture	T	T	T	T	T	T	T	T	T	T
Agricultural Cooperative Service	X	X	X	X	X	X	X	X	X	N
Agricultural Marketing Service	X	X	X	X	X	X	X	X	X	X
Agricultural Research Service	X	X	X	X	X	X	X	X	X	X
Agricultural Stabilization and Conservation Service	O	O	O	O	O	O	O	O	O	N
Animal and Plant Health Inspection Service	X	X	X	X	X	X	X	X	X	X
Cooperative State Research, Education, and Extension Service	X	X	X	X	X	X	X	X	X	X
Economic Research Service	X	X	X	X	X	X	X	X	X	X
Economics and Statistics Service	N	N	N	N	N	N	N	N	N	N
Economics, Statistics, and Cooperative Service	N	N	N	N	N	N	N	N	N	N
Economic Research Service	N	N	N	N	N	N	N	N	N	N
Farmer Cooperative Service	N	N	N	N	N	N	N	N	N	N
Statistical Reporting Service	N	N	N	N	N	N	N	N	N	N
Food Safety Inspection Service	O	O	O	O	O	O	O	O	O	O
Foreign Agricultural Service	O	O	O	O	O	O	O	X	X	X
Forest Service	X	X	X	X	X	X	X	X	X	X
Grain Inspection, Packers, and Stockyards Administration	X	X	X	X	X	X	X	X	X	X
Human Nutrition Information Service	X	X	X	X	X	X	X	X	X	N
National Agricultural Statistics Service	X	X	X	X	X	X	X	X	X	X
Natural Resources Conservation Service	O	O	O	O	O	O	O	O	O	O
Office of International Cooperation and Development	X	X	X	X	X	X	X	X	X	N
Office of Transportation	X	X	X	N	N	N	N	N	N	N
Rural Business-Cooperative Service	N	N	N	N	N	N	N	N	X	X
Rural Development Service	N	N	N	N	N	N	N	N	N	N
Science and Education Administration	N	N	N	N	N	N	N	N	N	N
Agricultural Research Service	N	N	N	N	N	N	N	N	N	N
Cooperative State Research Service	N	N	N	N	N	N	N	N	N	N

Agency	Volume									
	36	37	38	39	40	41	42	43	44	45
National Agricultural Library	N	N	N	N	N	N	N	N	N	N
Department of Commerce	T	T	T	T	T	T	T	T	T	T
Bureau of the Census	X	X	X	X	X	X	X	X	X	X
Economic Development Administration	X	X	X	X	X	X	X	X	X	X
Environmental Science Services Administration	N	N	N	N	N	N	N	N	N	N
Maritime Administration	N	N	N	N	N	N	N	N	N	N
Minority Business Development Agency	O	O	O	O	O	O	O	O	O	O
National Fire Prevention and Control Administration	N	N	N	N	N	N	N	N	N	N
National Institute of Standards and Technology	X	X	X	X	X	X	X	X	X	X
National Oceanic and Atmospheric Administration	X	X	X	X	X	X	X	X	X	X
National Technical Information Service	O	O	O	O	O	O	O	O	O	O
National Telecommunications and Information Administration	X	X	X	X	X	X	X	X	X	X
Office of Productivity, Technology, and Innovation	N	N	N	N	N	N	N	N	N	N
Office of the Secretary	X	X	X	X	X	X	X	X	X	X
Office of Telecommunications	N	N	N	N	N	N	N	N	N	N
Patent and Trademark Office	O	O	O	O	O	O	O	O	O	O
U.S. Travel and Tourism Administration	O	O	O	O	O	O	O	O	O	O
Department of Defense	T	T	T	T	T	T	T	T	T	T
Defense Agencies	X	T	T	T	T	T	T	T	T	T
Chemical and Biological Defense	N	N	N	N	N	N	N	N	N	N
Defense Advanced Research Projects Agency	O	O	O	O	X	X	X	X	X	X
Defense Contract Management Agency	N	N	N	N	N	N	N	N	N	N
Defense Information Systems Agency	O	O	O	O	X	X	X	X	X	X
Defense Logistics Agency	O	O	O	O	X	X	X	X	X	X
Defense Nuclear Agency	N	N	N	N	N	N	N	N	N	N
Defense Special Weapons Agency	O	O	O	O	X	X	X	X	X	X
Defense Threat Reduction Agency	N	N	N	N	N	N	N	N	N	N
Joint Staff	O	O	O	O	X	X	X	X	X	X
Missile Defense Agency	O	O	O	O	X	X	X	X	X	X
National Imagery and Mapping Agency	O	O	O	O	X	X	X	X	X	X
Other DOD	N	N	N	N	N	N	N	N	N	N
Special Operations Command	O	O	O	O	X	X	X	X	X	X
Uniformed Services University of the Health Sciences	O	O	O	O	X	X	X	X	X	N
Washington Headquarters Services	O	O	O	O	X	X	X	X	X	X
Defense Civil Preparedness Agency	N	N	N	N	N	N	N	N	N	N
Department of the Air Force	X	X	X	X	X	X	X	X	X	X
DT&E Support From Operations and Maintenance	O	O	O	O	O	O	O	O	O	O
DT&E Support From Procurement Appropriations	O	O	O	O	O	O	O	O	O	O
Housing for Military Personnel in R&D	O	O	O	O	O	O	O	O	O	O
Matériel Command	T	T	T	T	T	T	T	T	T	T
Military Construction	O	O	O	O	O	O	O	O	O	O
Pay and Allowances of Military Personnel in R&D	O	O	O	O	O	O	O	O	O	O
RDT&E Appropriation	O	O	O	O	O	O	O	O	O	O
Space Command	T	T	T	T	T	T	T	T	T	T
Special Foreign Currency Program	O	O	O	O	O	O	O	O	O	O
Department of the Army	T	T	T	T	T	T	T	T	T	T
Civil Functions	X	X	X	X	X	X	X	X	X	X
Housing for Military Personnel in R&D	O	O	O	O	O	O	O	O	O	O
Military Construction	O	O	O	O	O	O	O	O	O	O
Military Functions	X	X	X	X	X	X	X	X	X	X
Pay and Allowances of Military Personnel in R&D	O	O	O	O	O	O	O	O	O	O
RDT&E Appropriation	O	O	O	O	O	O	O	O	O	O
Special Foreign Currency Program	O	O	O	O	O	O	O	O	O	O
Support From Procurement Appropriations	O	O	O	O	O	O	O	O	O	O
Department of the Navy	X	X	X	X	X	X	X	X	X	X
DT&E Support From Operations and Maintenance	O	O	O	O	O	O	O	O	O	O
DT&E Support From Procurement Appropriations	O	O	O	O	O	O	O	O	O	O
Housing for Military Personnel in R&D	O	O	O	O	O	O	O	O	O	O
Military Construction	O	O	O	O	O	O	O	O	O	O
Pay and Allowances of Military Personnel in R&D	O	O	O	O	O	O	O	O	O	O
RDT&E Appropriation	O	O	O	O	O	O	O	O	O	O
Special Foreign Currency Program	O	O	O	O	O	O	O	O	O	O
Health Affairs, Assistant Secretary of Defense for	N	N	N	N	N	X	O	O	O	O
Operational Test and Evaluation, Director	X	X	X	X	X	X	X	X	X	X
Test and Evaluation, Deputy Under Secretary of Defense	X	X	X	X	X	X	X	X	X	X
Department of Education	X	X	X	X	X	X	X	X	X	X

Agency	Volume									
	36	37	38	39	40	41	42	43	44	45
Department of Energy	X	X	X	X	X	X	X	X	X	X
Bonneville Power Administration	T	T	T	T	T	T	T	T	T	T
Civilian Radioactive Waste Management	T	T	T	T	T	T	T	T	T	T
Energy Efficiency and Renewable Energy	T	T	T	T	T	T	T	T	T	T
Environmental Management	N	N	N	T	T	T	T	T	T	T
Fossil Energy	T	T	T	T	T	T	T	T	T	T
National Nuclear Security Administration	N	N	N	N	N	N	N	N	N	N
Defense Programs	N	N	N	N	N	N	N	N	N	N
Fissile Materials Disposition	N	N	N	N	N	N	N	N	N	N
Naval Reactors	N	N	N	N	N	N	N	N	N	N
Nonproliferation and Verification	N	N	N	N	N	N	N	N	N	N
Nuclear Energy	T	T	T	T	T	T	T	T	T	T
Office of Intelligence	T	T	T	T	T	T	T	T	T	T
Office of Science	T	T	T	T	T	T	T	T	T	T
Department of Health, Education, and Welfare	N	N	N	N	N	N	N	N	N	N
Alcohol, Drug Abuse, and Mental Health Administration	N	N	N	N	N	N	N	N	N	N
Center for Disease Control	N	N	N	N	N	N	N	N	N	N
Environmental Health Service	N	N	N	N	N	N	N	N	N	N
Food and Drug Administration	N	N	N	N	N	N	N	N	N	N
Health Care Financing Administration	N	N	N	N	N	N	N	N	N	N
Health Resources Administration	N	N	N	N	N	N	N	N	N	N
Health Services Administration	N	N	N	N	N	N	N	N	N	N
Health Services and Mental Health Administration	N	N	N	N	N	N	N	N	N	N
National Institute of Education	N	N	N	N	N	N	N	N	N	N
National Institutes of Health	N	N	N	N	N	N	N	N	N	N
Office of Assistant Secretary for Education	N	N	N	N	N	N	N	N	N	N
Office of the Assistant Secretary for Health	N	N	N	N	N	N	N	N	N	N
Office of Child Development	N	N	N	N	N	N	N	N	N	N
Office of Education	N	N	N	N	N	N	N	N	N	N
Office of Human Development Services	N	N	N	N	N	N	N	N	N	N
Office of International Health	N	N	N	N	N	N	N	N	N	N
Office of the Secretary	N	N	N	N	N	N	N	N	N	N
Social and Rehabilitation Service	N	N	N	N	N	N	N	N	N	N
Social Security Administration	N	N	N	N	N	N	N	N	N	N
Department of Health and Human Services	T	T	T	T	T	T	T	T	T	T
Administration for Children and Families	N	N	N	N	N	X	X	X	X	X
Administration on Aging	N	N	N	N	N	X	X	X	X	X
Agency for Healthcare Research and Quality	N	N	N	N	X	X	X	X	X	X
Agency for Toxic Substances and Disease Registry	T	T	T	T	T	T	T	T	T	T
Alcohol, Drug Abuse, and Mental Health Administration	X	X	X	X	X	X	N	N	N	N
Centers for Disease Control and Prevention	X	X	X	X	X	X	X	X	X	X
Centers for Medicare & Medicaid Services (formerly Health Care Financing Administration)	X	X	X	X	X	X	X	X	X	X
Food and Drug Administration	X	X	X	X	X	X	X	X	X	X
Health Resources Administration	N	N	N	N	N	N	N	N	N	N
Health Resources and Services Administration	X	X	X	X	X	X	X	X	X	X
Health Services Administration	N	N	N	N	N	N	N	N	N	N
Human Development Services	X	X	X	X	X	N	N	N	N	N
National Institutes of Health	X	X	X	X	X	X	X	X	X	X
Office of the Assistant Secretary for Health	X	X	X	X	X	X	X	X	X	X
Office of the Secretary	X	X	X	X	X	X	X	X	X	X
Office of the Assistant Secretary, Planning and Evaluation	N	N	N	N	N	N	N	N	N	N
Office of Public Health and Science	N	N	N	N	N	N	N	N	N	N
Social Security Administration	X	X	X	X	X	X	X	X	X	X
Substance Abuse and Mental Health Services Administration	N	N	N	N	N	N	N	N	N	N
Department of Homeland Security	N	N	N	N	N	N	N	N	N	N
Science and Technology Directorate	N	N	N	N	N	N	N	N	N	N
Transportation Security Administration	N	N	N	N	N	N	N	N	N	N
U.S. Coast Guard	N	N	N	N	N	N	N	N	N	N
U.S. Secret Service	N	N	N	N	N	N	N	N	N	N
Department of Housing and Urban Development	X	X	X	X	X	X	X	X	X	X
Department of the Interior	T	T	T	T	T	T	T	T	T	T
Bonneville Power Administration	N	N	N	N	N	N	N	N	N	N
Bureau of Land Management	X	X	X	X	X	X	X	X	O	O
Bureau of Mines	X	X	X	X	X	X	X	X	X	O

Agency	Volume									
	36	37	38	39	40	41	42	43	44	45
Bureau of Reclamation	X	X	X	X	X	X	X	X	X	X
Federal Water Pollution Control Administration	N	N	N	N	N	N	N	N	N	N
Geological Survey	X	X	X	X	X	X	X	X	X	X
Heritage Conservation and Recreation Service	N	N	N	N	N	N	N	N	N	N
Minerals Management Service	X	X	X	X	X	X	X	X	X	X
National Biological Service	N	N	N	N	N	N	N	X	X	X
National Park Service	X	X	X	X	X	X	X	X	X	X
National Resources Library	N	N	N	N	N	N	N	N	N	N
Office of Coal Research	N	N	N	N	N	N	N	N	N	N
Office of the Secretary	X	X	X	X	X	X	X	X	X	X
Office of Surface Mining Reclamation and Enforcement	X	X	X	X	X	X	X	X	X	O
Office of Water Research and Technology	N	N	N	N	N	N	N	N	N	N
Office of Saline Water	N	N	N	N	N	N	N	N	N	N
Office of Water Resources Research	N	N	N	N	N	N	N	N	N	N
U.S. Fish and Wildlife Service	X	X	X	X	X	X	X	X	O	O
Bureau of Commercial Fisheries	N	N	N	N	N	N	N	N	N	N
Bureau of Sport Fisheries and Wildlife	N	N	N	N	N	N	N	N	N	N
Department of Justice	T	T	T	T	T	T	T	T	T	T
Bureau of Prisons	X	X	X	X	X	X	X	X	X	X
Drug Enforcement Administration	X	X	X	X	X	X	X	X	X	X
Federal Bureau of Investigation	X	X	X	X	X	X	X	X	X	X
Immigration and Naturalization Service	X	X	X	X	X	X	X	X	X	X
Office of Justice Programs	X	X	X	X	X	X	X	X	X	X
Office of Legal Policy	X	X	O	O	O	O	O	O	O	O
Department of Labor	T	T	T	T	T	T	T	T	T	T
Bureau of Apprenticeship and Training	N	N	N	N	N	N	N	N	N	N
Bureau of Employment Security	N	N	N	N	N	N	N	N	N	N
Bureau of Labor Statistics	X	X	X	X	X	X	X	X	X	X
Employee Benefits Security Administration	X	X	X	X	X	X	X	X	X	X
Employment and Training Administration	X	X	X	X	X	X	X	X	X	X
Employment Standards Administration	X	X	X	X	X	O	O	O	O	O
Labor-Management Relations and Cooperative Programs	X	X	X	X	N	N	N	N	N	N
Labor-Management Services Administration	N	N	N	N	N	N	N	N	N	N
Occupational Safety and Health Administration	X	X	X	X	X	X	X	X	X	X
Office of the Secretary	X	X	X	X	X	X	X	X	X	X
Pension Benefit Guaranty Corporation	X	X	X	X	X	X	X	X	X	X
Wage and Hour Division	O	O	O	O	O	O	O	O	O	O
Department of State	X	X	X	X	X	X	X	X	X	X
Agency for International Development	N	N	N	N	N	N	N	N	N	N
Bureau of Intelligence and Research	O	O	O	O	O	O	O	O	O	O
Departmental Funds	O	O	O	O	O	O	O	O	O	O
Peace Corps	O	O	O	O	O	O	O	O	O	O
Department of Transportation	T	T	T	T	T	T	T	T	T	T
Federal Aviation Administration	X	X	X	X	X	X	X	X	X	X
Federal Highway Administration	X	X	X	X	X	X	X	X	X	X
Federal Motor Carrier Safety Administration	N	N	N	N	N	N	N	N	X	N
Federal Railroad Administration	X	X	X	X	X	X	X	X	X	X
Federal Transit Administration	X	X	X	X	X	X	X	X	X	X
Infrastructure Investment	N	N	N	N	N	N	N	N	X	N
Maritime Administration	X	X	X	O	X	X	X	X	X	X
Materials Transportation Bureau	O	O	O	O	O	O	O	O	O	O
National Highway Traffic Safety Administration	X	X	X	X	X	X	X	X	X	X
Office of the Secretary	X	X	X	X	X	X	X	X	X	X
Pipeline and Hazardous Materials Safety Administration	X	X	X	X	X	X	X	X	X	X
Research and Innovative Technology Administration	N	N	N	N	N	N	N	N	N	N
U.S. Coast Guard	X	X	X	X	X	X	X	X	X	X
Department of the Treasury	T	T	T	T	T	T	T	T	T	T
Bureau of Alcohol, Tobacco, and Firearms	N	N	N	N	N	N	N	N	N	N
Bureau of Engraving and Printing	X	X	X	X	X	X	X	X	X	X
Financial Crimes Enforcement Network	O	O	O	O	O	X	X	X	O	O
Internal Revenue Service	X	X	X	X	X	X	X	X	X	X
Office of Thrift Supervision	N	N	N	N	O	X	X	X	X	X
U.S. Customs Service	X	X	X	X	X	X	X	X	X	X
U.S. Mint	X	X	X	X	X	X	X	X	X	X
U.S. Secret Service	X	X	X	X	X	X	X	X	X	X

Agency	Volume									
	36	37	38	39	40	41	42	43	44	45
Department of Veterans Affairs	X	X	X	X	X	X	X	X	X	X
Post Office Department	N	N	N	N	N	N	N	N	N	N
Other agencies										
ACTION	O	O	O	O	O	O	O	O	O	O
Advisory Commission on Intergovernmental Relations	X	X	X	X	X	X	X	X	X	X
Appalachian Regional Commission	X	X	X	X	X	X	X	X	X	X
Atomic Energy Commission	N	N	N	N	N	N	N	N	N	N
Broadcasting Board of Directors	N	N	N	N	N	N	N	N	N	N
Civil Aeronautics Board	N	N	N	N	N	N	N	N	N	N
Civil Service Commission	N	N	N	N	N	N	N	N	N	N
Community Services Administration	N	N	N	N	N	N	N	N	N	N
Consumer Product Safety Commission	X	X	X	X	X	X	X	X	X	X
Energy Research and Development Administration	N	N	N	N	N	N	N	N	N	N
Energy Security Trust Fund	N	N	N	N	N	N	N	N	N	N
Environmental Protection Agency	X	X	X	X	X	X	X	X	X	X
Federal Communications Commission	X	X	X	X	X	X	X	X	X	X
Federal Emergency Management Agency	O	O	O	O	O	O	O	O	O	O
Defense Civil Preparedness Agency	O	O	O	O	O	O	O	O	O	O
National Fire Prevention and Control Administration	O	O	O	O	O	O	O	O	O	O
Federal Energy Administration	N	N	N	N	N	N	N	N	N	N
Federal Trade Commission	X	X	X	X	X	X	X	X	X	X
Foundation for Educational Assistance	N	N	N	N	N	N	N	N	N	N
General Services Administration	X	X	X	X	X	X	X	X	X	X
International Development Cooperation Agency	T	T	T	T	T	T	T	T	T	T
Agency for International Development	X	X	X	X	X	X	X	X	X	X
Institute for Scientific and Technological Cooperation	O	O	O	O	O	O	O	O	O	O
Interstate Commerce Commission	O	O	O	O	O	O	O	O	O	O
Library of Congress	X	X	X	X	X	X	X	X	X	X
National Aeronautics and Space Administration	X	X	X	X	X	X	X	X	X	X
National Archives and Records Administration	X	X	X	X	X	X	X	X	X	X
National Science Foundation	X	X	X	X	X	X	X	X	X	X
Nuclear Regulatory Commission	X	X	X	X	X	X	X	X	X	X
Office of Economic Opportunity	N	N	N	N	N	N	N	N	N	N
Office of Emergency Preparedness	N	N	N	N	N	N	N	N	N	N
Office of Personnel Management	O	O	O	O	O	O	O	O	O	O
Office of Science and Technology	N	N	N	N	N	N	N	N	N	N
Office of Telecommunications Policy	N	N	N	N	N	N	N	N	N	N
Office of Thrift Supervision	X	X	X	X	X	N	N	N	N	N
Postal Service	O	O	O	O	O	O	O	O	O	O
Small Business Administration	O	O	O	O	O	O	O	O	O	O
Smithsonian Institution	X	X	X	X	X	X	X	X	X	X
Social Security Administration	N	N	N	N	N	N	N	N	N	N
Special Action Office for Drug Abuse Prevention	N	N	N	N	N	N	N	N	N	N
Tennessee Valley Authority	X	X	X	X	X	X	X	X	X	X
U.S. Arms Control and Disarmament Agency	X	X	X	X	X	X	X	X	X	X
U.S. Commission on Civil Rights	O	O	O	O	O	O	O	O	O	O
U.S. Information Agency	X	X	X	X	X	X	X	X	X	X
U.S. International Trade Commission	X	X	X	X	X	X	X	X	X	X

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Agency	Volume									
	46	47	48	49	50	51	52	53	54	
Department of Agriculture	T	T	T	T	T	T	T	T	T	
Agricultural Cooperative Service	N	N	N	N	N	N	N	N	N	
Agricultural Marketing Service	X	X	X	X	X	X	X	X	X	
Agricultural Research Service	X	X	X	X	X	X	X	X	X	
Agricultural Stabilization and Conservation Service	N	N	N	N	N	N	N	N	N	
Animal and Plant Health Inspection Service	X	X	X	X	X	X	X	X	X	
Cooperative State Research, Education, and Extension Service	X	X	X	X	X	X	X	X	X	
Economic Research Service	X	X	X	X	X	X	X	X	X	
Economics and Statistics Service	N	N	N	N	N	N	N	N	N	
Economics, Statistics, and Cooperative Service	N	N	N	N	N	N	N	N	N	
Economic Research Service	N	N	N	N	N	N	N	N	N	
Farmer Cooperative Service	N	N	N	N	N	N	N	N	N	
Statistical Reporting Service	N	N	N	N	N	N	N	N	N	

Agency	Volume								
	46	47	48	49	50	51	52	53	54
Food Safety Inspection Service	X	X	X	X	X	X	Z	Z	Z
Foreign Agricultural Service	X	X	X	X	X	X	X	X	X
Forest Service	X	X	X	X	X	X	X	X	X
Grain Inspection, Packers, and Stockyards Administration	X	X	X	X	X	X	X	X	X
Human Nutrition Information Service	N	N	N	N	N	N	N	N	N
National Agricultural Statistics Service	X	X	X	X	X	X	X	X	X
Natural Resources Conservation Service	O	O	O	O	O	O	O	O	O
Office of International Cooperation and Development	N	N	N	N	N	N	N	N	N
Office of Transportation	N	N	N	N	N	N	N	N	N
Rural Business-Cooperative Service	X	X	X	X	X	X	X	X	X
Rural Development Service	N	N	N	N	N	N	N	N	N
Science and Education Administration	N	N	N	N	N	N	N	N	N
Agricultural Research Service	N	N	N	N	N	N	N	N	N
Cooperative State Research Service	N	N	N	N	N	N	N	N	N
National Agricultural Library	N	N	N	N	N	N	N	N	N
Department of Commerce	T	T	T	T	T	T	T	T	T
Bureau of the Census	X	X	X	X	X	X	X	X	X
Economic Development Administration	X	X	X	X	X	X	X	X	X
Environmental Science Services Administration	N	N	N	N	N	N	N	N	N
Maritime Administration	N	N	N	N	N	N	N	N	N
Minority Business Development Agency	O	O	O	O	O	O	O	O	O
National Fire Prevention and Control Administration	N	N	N	N	N	N	N	N	N
National Institute of Standards and Technology	X	X	X	X	X	X	X	X	X
National Oceanic and Atmospheric Administration	X	X	X	X	X	X	X	X	X
National Technical Information Service	O	O	O	O	O	O	O	O	O
National Telecommunications and Information Administration	X	X	X	X	X	X	X	X	X
Office of Productivity, Technology, and Innovation	N	N	N	N	N	N	N	N	N
Office of the Secretary	X	X	O	O	O	O	O	O	O
Office of Telecommunications	N	N	N	N	N	N	N	N	N
Patent and Trademark Office	O	O	O	O	O	O	O	O	O
U.S. Travel and Tourism Administration	O	O	O	O	O	O	O	O	O
Department of Defense	T	T	T	T	T	T	T	T	T
Defense Agencies	T	T	T	T	T	T	T	T	T
Chemical and Biological Defense	N	N	N	N	X	X	X	X	X
Defense Advanced Research Projects Agency	X	X	X	X	X	X	X	X	X
Defense Contract Management Agency	N	N	N	N	N	N	N	N	X
Defense Information Systems Agency	X	X	X	X	X	X	X	X	X
Defense Logistics Agency	X	X	X	X	X	X	X	X	X
Defense Nuclear Agency	N	N	N	N	N	N	N	N	N
Defense Special Weapons Agency	X	X	O	O	O	O	O	O	O
Defense Threat Reduction Agency	N	N	X	X	X	X	X	X	X
Joint Staff	X	X	X	X	X	X	X	X	X
Missile Defense Agency	X	X	X	X	X	X	X	X	X
National Imagery and Mapping Agency (formerly Defense Mapping Agency)	O	O	O	O	O	O	O	O	O
Other DOD	N	N	N	N	N	N	N	N	X
Special Operations Command	X	X	X	X	X	X	X	X	X
Uniformed Services University of the Health Sciences	N	N	N	N	N	N	N	N	N
Washington Headquarters Services	X	X	X	X	X	X	X	X	X
Defense Civil Preparedness Agency	N	N	N	N	N	N	N	N	N
Department of the Air Force	X	X	X	X	X	X	X	X	X
DT&E Support From Operations and Maintenance	O	O	O	O	O	O	O	O	O
DT&E Support From Procurement Appropriations	O	O	O	O	O	O	O	O	O
Housing for Military Personnel in R&D	O	O	O	O	O	O	O	O	O
Materiel Command	T	T	T	T	T	T	X	X	X
Military Construction	O	O	O	O	O	O	O	O	O
Pay and Allowances of Military Personnel in R&D	O	O	O	O	O	O	O	O	O
RDT&E Appropriation	O	O	O	O	O	O	O	O	O
Space Command	T	T	T	T	T	T	X	X	X
Special Foreign Currency Program	O	O	O	O	O	O	O	O	O
Department of the Army	T	T	T	T	T	T	T	T	X
Civil Functions	X	X	X	X	X	X	X	X	T
Housing for Military Personnel in R&D	O	O	O	O	O	O	O	O	O
Military Construction	O	O	O	O	O	O	O	O	O
Military Functions	X	X	X	X	X	X	X	X	T
Pay and Allowances of Military Personnel in R&D	O	O	O	O	O	O	O	O	O
RDT&E Appropriation	O	O	O	O	O	O	O	O	O
Special Foreign Currency Program	O	O	O	O	O	O	O	O	O

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Support From Procurement Appropriations	O	O	O	O	O	O	O	O	O
Department of the Navy	X	X	X	X	X	X	X	X	X
DT&E Support From Operations and Maintenance	O	O	O	O	O	O	O	O	O
DT&E Support From Procurement Appropriations	O	O	O	O	O	O	O	O	O
Housing for Military Personnel in R&D	O	O	O	O	O	O	O	O	O
Military Construction	O	O	O	O	O	O	O	O	O
Pay and Allowances of Military Personnel in R&D	O	O	O	O	O	O	O	O	O
RDT&E Appropriation	O	O	O	O	O	O	O	O	O
Special Foreign Currency Program	O	O	O	O	O	O	O	O	O
Health Affairs, Assistant Secretary of Defense for	O	O	O	O	O	O	O	O	O
Operational Test and Evaluation, Director	X	X	X	X	X	X	X	X	X
Test and Evaluation, Deputy Under Secretary of Defense	X	X	X	X	X	X	X	N	N
Department of Education	X	X	X	X	X	X	X	X	X
Department of Energy	X	X	X	X	X	X	X	X	X
Bonneville Power Administration	T	T	T	T	T	T	T	X	X
Civilian Radioactive Waste Management	T	T	T	T	T	T	T	X	X
Energy Efficiency and Renewable Energy	T	T	T	T	T	T	T	X	X
Environmental Management	T	T	T	T	T	T	T	X	X
Fossil Energy	T	T	T	T	T	T	T	X	X
National Nuclear Security Administration	N	N	N	N	T	T	T	X	X
Defense Programs	N	N	N	N	T	T	T	X	X
Fissile Materials Disposition	N	N	N	N	T	T	T	X	X
Naval Reactors	N	N	N	N	T	T	T	X	X
Nonproliferation and Verification	N	N	N	N	T	T	T	X	X
Nuclear Energy	T	T	T	T	T	T	T	X	X
Office of Intelligence	T	T	T	T	T	T	T	X	X
Office of Science	T	T	T	T	T	T	T	X	X
Department of Health, Education, and Welfare	N	N	N	N	N	N	N	N	N
Alcohol, Drug Abuse, and Mental Health Administration	N	N	N	N	N	N	N	N	N
Center for Disease Control	N	N	N	N	N	N	N	N	N
Environmental Health Service	N	N	N	N	N	N	N	N	N
Food and Drug Administration	N	N	N	N	N	N	N	N	N
Health Care Financing Administration	N	N	N	N	N	N	N	N	N
Health Resources Administration	N	N	N	N	N	N	N	N	N
Health Services Administration	N	N	N	N	N	N	N	N	N
Health Services and Mental Health Administration	N	N	N	N	N	N	N	N	N
National Institute of Education	N	N	N	N	N	N	N	N	N
National Institutes of Health	N	N	N	N	N	N	N	N	N
Office of Assistant Secretary for Education	N	N	N	N	N	N	N	N	N
Office of the Assistant Secretary for Health	N	N	N	N	N	N	N	N	N
Office of Child Development	N	N	N	N	N	N	N	N	N
Office of Education	N	N	N	N	N	N	N	N	N
Office of Human Development Services	N	N	N	N	N	N	N	N	N
Office of International Health	N	N	N	N	N	N	N	N	N
Office of the Secretary	N	N	N	N	N	N	N	N	N
Social and Rehabilitation Service	N	N	N	N	N	N	N	N	N
Social Security Administration	N	N	N	N	N	N	N	N	N
Department of Health and Human Services	T	T	T	T	T	T	T	T	T
Administration for Children and Families	X	X	X	X	X	X	X	X	X
Administration on Aging	X	X	X	X	X	X	X	X	X
Agency for Healthcare Research and Quality	X	X	X	X	X	X	X	X	X
Agency for Toxic Substances and Disease Registry	T	T	T	T	X	X	X	X	X
Alcohol, Drug Abuse, and Mental Health Administration	N	N	N	N	N	N	N	N	N
Centers for Disease Control and Prevention	X	X	X	X	X	X	X	X	X
Centers for Medicare and Medicaid Services	X	X	X	X	X	X	X	X	X
Food and Drug Administration	X	X	X	X	X	X	X	X	X
Health Resources Administration	N	N	N	N	N	N	N	N	N
Health Resources and Services Administration	X	X	X	X	X	X	X	X	X
Health Services Administration	N	N	N	N	N	N	N	N	N
Human Development Services	N	N	N	N	N	N	N	N	N
National Institutes of Health	X	X	X	X	X	X	X	X	X
Office of the Assistant Secretary for Health	N	N	N	N	N	N	N	N	N
Office of the Secretary	N	N	N	N	N	N	N	N	N
Office of the Assistant Secretary, Planning and Evaluation	X	X	X	X	X	X	X	X	X
Office of Public Health and Science	X	X	X	X	X	X	X	X	O
Social Security Administration	N	N	N	N	N	N	N	N	N

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Substance Abuse and Mental Health Services Administration	X	X	X	X	X	X	X	X	X
Department of Homeland Security	N	N	N	N	N	N	T	Z	T
Science and Technology Directorate	N	N	N	N	N	N	Z	Z	X
Transportation Security Administration	N	N	N	N	N	N	X	Z	X
U.S. Coast Guard	N	N	N	N	N	N	X	X	X
U.S. Secret Service	N	N	N	N	N	N	N	X	X
Department of Housing and Urban Development	X	X	X	X	X	X	X	X	X
Department of the Interior	T	T	T	T	T	T	T	T	T
Bonneville Power Administration	N	N	N	N	N	N	N	N	N
Bureau of Land Management	O	O	O	O	O	O	O	O	O
Bureau of Mines	N	N	N	N	N	N	N	N	N
Bureau of Reclamation	X	X	X	X	X	X	X	X	X
Federal Water Pollution Control Administration	N	N	N	N	N	N	N	N	N
Geological Survey	X	X	X	X	X	X	X	X	X
Heritage Conservation and Recreation Service	N	N	N	N	N	N	N	N	N
Minerals Management Service	X	X	X	X	X	X	X	X	X
National Biological Service	N	N	N	N	N	N	N	N	N
National Park Service	X	X	X	X	X	X	X	X	X
National Resources Library	N	N	N	N	N	N	N	N	N
Office of Coal Research	N	N	N	N	N	N	N	N	N
Office of the Secretary	O	O	O	O	O	O	O	O	O
Office of Surface Mining Reclamation and Enforcement	O	O	O	O	O	O	O	O	O
Office of Water Research and Technology	N	N	N	N	N	N	N	N	N
Office of Saline Water	N	N	N	N	N	N	N	N	N
Office of Water Resources Research	N	N	N	N	N	N	N	N	N
U.S. Fish and Wildlife Service	O	O	O	O	O	O	O	O	O
Bureau of Commercial Fisheries	N	N	N	N	N	N	N	N	N
Bureau of Sport Fisheries and Wildlife	N	N	N	N	N	N	N	N	N
Department of Justice	T	T	T	T	T	T	T	T	T
Bureau of Prisons	X	X	X	X	X	X	X	X	X
Drug Enforcement Administration	X	X	O	O	O	O	O	O	O
Federal Bureau of Investigation	X	X	X	X	X	X	X	X	X
Immigration and Naturalization Service	X	X	X	X	X	X	X	N	N
Office of Justice Programs	X	X	X	X	X	X	X	X	X
Office of Legal Policy	O	O	O	O	O	O	O	O	O
Department of Labor	T	T	T	T	T	T	T	T	T
Bureau of Apprenticeship and Training	N	N	N	N	N	N	N	N	N
Bureau of Employment Security	N	N	N	N	N	N	N	N	N
Bureau of Labor Statistics	X	X	X	X	X	X	X	X	X
Employee Benefits Security Administration	X	X	X	X	X	X	X	X	X
Employment and Training Administration	X	X	X	X	X	X	X	X	X
Employment Standards Administration	O	O	O	O	O	O	O	O	O
Labor-Management Relations and Cooperative Programs	N	N	N	N	N	N	N	N	N
Labor-Management Services Administration	N	N	N	N	N	N	N	N	N
Occupational Safety and Health Administration	X	X	X	X	X	X	X	X	X
Office of the Secretary	X	X	X	X	X	X	X	X	X
Pension Benefit Guaranty Corporation	X	X	X	X	X	X	X	X	X
Wage and Hour Division	O	O	O	O	O	O	O	O	O
Department of State	X	X	X	X	X	X	X	X	X
Agency for International Development	N	N	N	N	N	N	N	N	N
Bureau of Intelligence and Research	O	O	O	O	O	O	O	O	O
Departmental Funds	O	O	O	O	O	O	O	O	O
Peace Corps	O	O	O	O	O	O	O	O	O
Department of Transportation	T	T	T	T	T	T	T	T	T
Federal Aviation Administration	X	X	X	X	X	X	X	X	X
Federal Highway Administration	X	X	X	X	X	X	X	X	X
Federal Motor Carrier Safety Administration	N	N	N	N	X	X	X	X	X
Federal Railroad Administration	X	X	X	X	X	X	X	X	X
Federal Transit Administration	X	X	X	X	X	X	X	X	X
Infrastructure Investment	N	N	N	N	N	N	N	N	N
Maritime Administration	O	O	O	O	O	O	O	O	O
Materials Transportation Bureau	O	O	O	O	O	O	O	O	O
National Highway Traffic Safety Administration	X	X	X	X	X	X	X	X	X

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Office of the Secretary	X	X	X	X	X	X	X	X	X
Pipeline and Hazardous Materials Safety Administration	X	X	X	X	X	X	X	X	X
Research and Innovative Technology Administration	N	N	N	N	N	N	N	N	X
U.S. Coast Guard	X	X	X	X	X	X	N	N	N
Department of the Treasury	T	T	T	T	T	T	T	T	T
Bureau of Alcohol, Tobacco, and Firearms	N	N	N	N	N	N	N	N	N
Bureau of Engraving and Printing	X	X	X	X	X	X	X	X	X
Financial Crimes Enforcement Network	O	O	O	O	O	O	O	O	O
Internal Revenue Service	X	X	X	X	X	X	X	X	X
Office of Thrift Supervision	X	X	X	X	X	X	X	Z	Z
U.S. Customs Service	X	X	X	X	X	X	X	N	N
U.S. Mint	X	X	X	X	X	X	X	X	X
U.S. Secret Service	X	X	X	X	X	X	X	N	N
Department of Veterans Affairs	X	X	X	X	X	X	X	X	X
Post Office Department	N	N	N	N	N	N	N	N	N
Other agencies									
ACTION	O	O	O	O	O	O	O	O	O
Advisory Commission on Intergovernmental Relations	N	N	N	N	N	N	N	N	N
Appalachian Regional Commission	X	X	X	X	X	X	X	X	X
Atomic Energy Commission	N	N	N	N	N	N	N	N	N
Broadcasting Board of Governors	N	N	N	N	X	X	X	X	X
Civil Aeronautics Board	N	N	N	N	N	N	N	N	N
Civil Service Commission	N	N	N	N	N	N	N	N	N
Community Services Administration	N	N	N	N	N	N	N	N	N
Consumer Product Safety Commission	X	X	X	O	O	O	O	O	O
Energy Research and Development Administration	N	N	N	N	N	N	N	N	N
Energy Security Trust Fund	N	N	N	N	N	N	N	N	N
Environmental Protection Agency	X	X	X	X	X	X	X	X	X
Federal Communications Commission	X	X	X	X	X	X	X	X	X
Federal Emergency Management Agency	O	O	O	O	O	O	O	O	O
Defense Civil Preparedness Agency	O	O	O	O	O	O	O	O	O
National Fire Prevention and Control Administration	O	O	O	O	O	O	O	O	O
Federal Energy Administration	N	N	N	N	N	N	N	N	N
Federal Trade Commission	X	X	X	X	X	X	X	X	X
Foundation for Educational Assistance	N	N	N	N	N	N	N	N	N
General Services Administration	X	X	X	X	X	X	X	X	X
International Development Cooperation Agency	T	T	T	T	T	T	T	T	T
Agency for International Development	X	X	X	X	X	X	X	X	X
Institute for Scientific and Technological Cooperation	O	O	O	O	O	O	O	O	O
Interstate Commerce Commission	O	O	O	O	O	O	O	O	O
Library of Congress	X	X	X	X	X	X	X	X	X
National Aeronautics and Space Administration	X	X	X	X	X	X	X	X	X
National Archives and Records Administration	X	X	X	X	X	X	X	X	X
National Science Foundation	X	X	X	X	X	X	X	X	X
Nuclear Regulatory Commission	X	X	X	X	X	X	X	X	X
Office of Economic Opportunity	N	N	N	N	N	N	N	N	N
Office of Emergency Preparedness	N	N	N	N	N	N	N	N	N
Office of Personnel Management	O	O	O	O	O	O	O	O	O
Office of Science and Technology	N	N	N	N	N	N	N	N	N
Office of Telecommunications Policy	N	N	N	N	N	N	N	N	N
Office of Thrift Supervision	N	N	N	N	N	N	N	N	N
Postal Service	O	O	O	O	O	O	O	O	O
Small Business Administration	O	O	O	O	O	O	O	O	O
Smithsonian Institution	X	X	X	X	X	X	X	X	X
Social Security Administration	X	X	X	X	X	X	X	X	X
Special Action Office for Drug Abuse Prevention	N	N	N	N	N	N	N	N	N
Tennessee Valley Authority	X	X	X	O	O	O	O	O	O
U.S. Arms Control and Disarmament Agency	X	X	X	N	N	N	N	N	N
U.S. Commission on Civil Rights	O	O	O	O	O	O	O	O	O
U.S. Information Agency	X	X	X	X	N	N	N	N	N
U.S. International Trade Commission	X	X	X	X	O	O	O	O	O

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

Appendix C. Notes Associated With Agencies Included in the Survey of Federal Funds for Research and Development, Volumes 27–54

These notes include explanatory information on Federal agencies' reports from volume 27 (which covered FY 1977–79) to volume 54 of the federal funds survey. For volume 54, actual data were collected for FY 2004 and estimates were collected for FY 2005 and 2006.

Department of Agriculture	
Agricultural Marketing Service	Although the Agricultural Marketing Service was established in April 1972, FY 1979 was the first year in which Congress appropriated funds to this agency. Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.
Agricultural Research Service	The Human Nutrition Information Service merged with the Agricultural Research Service on 20 February 1994.
Agricultural Stabilization and Conservation Service	The Agricultural Stabilization and Conservation Service was abolished as of 20 October 1994.
Cooperative State Research, Education, and Extension Service	The Cooperative State Research Service merged with the Extension Service on 19 October 1994, to become the Cooperative State Research, Education, and Extension Service, due to reorganization of the Department of Agriculture.
Economic Research Service	Data reported for the Economics, Statistics, and Cooperative Service include programs of the Economic Research Service, the Statistical Reporting Service, and the Farmer Cooperative Service for FY 1977–79. Data reported for the Economics and Statistics Service include programs of the Economic Research Service and the Statistical Reporting Service for FY 1980.
Economics and Statistics Service	Data reported for the Economics and Statistics Service include programs of the Economic Research Service and the Statistical Reporting Service for FY 1980.
Economics, Statistics, and Cooperative Service	Data reported for the Economics, Statistics, and Cooperative Service include programs of the Economic Research Service, the Statistical Reporting Service, and the Farmer Cooperative Service for FY 1977–79.
Federal Grain Inspection Service	The Federal Grain Inspection Service was abolished on 20 October 1994, and the Grain Inspection, Packers, and Stockyards Administration assumed its functions.
Foreign Agricultural Service	The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of FY 1994.
Grain Inspection, Packers, and Stockyards Administration	The Federal Grain Inspection Service was abolished on 20 October 1994, and the Grain Inspection, Packers, and Stockyards Administration assumed its functions.
Human Nutrition Information Service	The Human Nutrition Information Service merged with the Agricultural Research Service on 20 February 1994.
Office of International Cooperation and Development	The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of FY 1994.
Office of Transportation	Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.
Rural Business-Cooperative Service	This agency's name changed from the Rural Business and Cooperative Development Service to the Rural Business-Cooperative Service on 30 January 1996.
Department of Commerce	
Maritime Administration	In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.
National Fire Prevention and Control Administration	Functions for the National Fire Prevention and Control Administration transferred from the Department of Commerce to the Federal Emergency Management Agency as of 1 April 1979.
Department of Defense	
	Department of Defense (DOD) research has been reported separately from DOD development since volume 40 (FY 1990–92). More than 90% of development reported by DOD for universities and colleges is performed at off-campus, university-affiliated laboratories that are not involved in teaching. DOD development obligations have been reported in two categories, advanced technology and major systems, since volume 44 (FY 1994–96). Not all DOD agencies with development obligations are able to categorize them according to the advanced technology and major systems development breakdown. Therefore, in the volume 46 (FY 1996–98) survey cycle, total DOD development does not equal the sum of total DOD advanced technology development and total DOD major systems development. Beginning with Volume 54 (FY 2004-06), the Department of Defense (DOD) now requires its reporting agencies to adhere to DOD control numbers when providing data to the NSF survey. This new reporting method has slowed DOD's response time to the NSF survey.
Defense Agencies	
Chemical and Biological Defense	Before FY 2000, R&D of Chemical and Biological Defense was reported with the Washington Headquarters Services.

Defense Advanced Research Projects Agency	This agency's name changed to the Advanced Research Projects Agency on 13 July 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.
Defense Special Weapons Agency	The Defense Nuclear Agency was renamed the Defense Special Weapons Agency in 1996 as a result of a new charter and an expanded mission. The Defense Threat Reduction Agency (DTRA) was established on 1 October 1998. DTRA was formed through a merger of elements of the Office of the Secretary of Defense staff, the Defense Technology Security Administration, the Defense Special Weapons Agency, and the On-Site Inspection Agency.
Defense Threat Reduction Agency	The Defense Threat Reduction Agency (DTRA) was established on 1 October 1998. DTRA was formed through a merger of elements of the Office of the Secretary of Defense staff, the Defense Technology Security Administration, the Defense Special Weapons Agency, and the On-Site Inspection Agency.
Joint Staff	The name of this agency changed from Joint Chiefs of Staff to Joint Staff in FY 1986.
National Imagery and Mapping Agency	The Defense Mapping Agency merged with the newly created National Imagery and Mapping Agency on 1 October 1996.
Uniformed Services University of the Health Sciences	Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of volume 45 (FY 1995-97).
Washington Headquarters Services	Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of volume 45 (FY 1995-97). Public Law No. 103-160, Section 1703 made the Office of the Secretary of Defense responsible for the Chemical and Biological Defense Program (CBDP). Section 1701 requires the creation of CBDP research, development, test, and evaluation program elements established in the FY 1996-97 President's Budget. Data for these new program elements are included in the federal funds survey as of volume 46 (FY 1996-98). Since FY 2000, R&D of Chemical and Biological Defense has been reported separately from the Washington Headquarters Services. Washington Headquarters Services' basic research data were revised in volume 47 (FY 1997-99) to reflect changes that were not incorporated in volume 46 (FY 1996-98).
Defense Civil Preparedness Agency	Functions for the Defense Civil Preparedness Agency transferred from the Department of Defense to the Federal Emergency Management Agency on 20 July 1979.
Department of the Army Civil Functions	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 the funds are shown in the advanced technology total for the Department of the Army.
Operational Test and Evaluation Force	On 7 June 1999 the Secretary of Defense approved the disestablishment of the Office of the Director, Test, Systems Engineering and Evaluation. As a result of the restructure, the Director, Operational Test and Evaluation, assumed management responsibility for the Central Test and Evaluation Investment Program and the Test and Evaluation Program, excluding the Joint Test and Evaluation Program.
Test and Evaluation, Deputy Under Secretary of Defense	On 7 June 1999 the Secretary of Defense approved the disestablishment of the Office of the Director, Test, Systems Engineering and Evaluation. As a result of the restructure, the Director, Operational Test and Evaluation, assumed management responsibility for the Central Test and Evaluation Investment Program and the Test and Evaluation Program, excluding the Joint Test and Evaluation Program.
Department of Energy	In 1977 the Energy Research and Development Administration became part of the Department of Energy. In January 1996 the Bureau of Mines was abolished, and some of its activities were transferred to the Bureau of Land Management, the Geological Survey, and the Department of Energy.
Bonneville Power Administration	In FY 1982 the Bonneville Power Administration became part of the Department of Energy.
Department of Health and Human Services	
Administration on Aging	In FY 1991 Human Development Services was replaced by the Administration for Children and Families (ACF) and by the Administration on Aging (AOA). Since FY 1992 data shown for ACF have been separate from obligations for AOA.
Administration for Children and Families	Obligations reported for the Administration for Children and Families may be incomplete for FY 1992 due to unavailability of data. In FY 1991 Human Development Services was replaced by the Administration for Children and Families (ACF) and by the Administration on Aging (AOA). Since FY 1992 data shown for ACF have been separate from obligations for AOA.
Agency for Healthcare Research and Quality	In FY 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health. The Agency for Health Care Policy and Research was renamed the Agency for Healthcare Research and Quality as stated in the Healthcare Research and Quality Act of 1999, signed by the President on 6 December 1999.
Agency for Toxic Substances and Disease Registry	Prior to FY 2000, data reported for the Environmental Protection Agency include R&D data for the Agency for Toxic Substances and Disease Registry.

Alcohol, Drug Abuse, and Mental Health Administration	Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its R&D functions are reported with National Institutes of Health data beginning with FY 1992. However, research support for some fields (such as psychology) in FY 1992 seems to be underreported.
Centers for Medicare and Medicaid Services	The Health Care Financing Administration became the Centers for Medicare and Medicaid Services as of 1 July 2001.
Human Development Services	In FY 1991 Human Development Services was replaced by the Administration for Children and Families (ACF) and by the Administration on Aging (AOA). Since FY 1992 data shown for ACF have been separate from obligations for AOA.
National Institutes of Health	Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its R&D functions have been reported with National Institutes of Health data since FY 1992. However, research support for some fields (such as psychology) in FY 1992 seems to be underreported. The National Institutes of Health has classified all of its development activities as research since FY 2000. NIH has revised its financial database, and beginning with FY 2004, NIH records no longer contain information on field of science and engineering. Data for FY 2004 and later years are not directly comparable to data for FY 2003 and earlier years.
Office of the Assistant Secretary for Health	In FY 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health. The Office of the Assistant Secretary for Health merged with the Office of the Secretary (OS) as of FY 1996. The merger created a new role for the Assistant Secretary for Health, who became head of the Office of Public Health and Science, a new division within OS.
Office of the Secretary	The Office of the Assistant Secretary for Health merged with the Office of the Secretary (OS) as of FY 1996. The merger created a new role for the Assistant Secretary for Health who became head of the Office of Public Health and Science, a new division within OS.
Office of Public Health and Science	The Office of the Assistant Secretary for Health merged with the Office of the Secretary (OS) as of FY 1996. The merger created a new role for the Assistant Secretary for Health, who became head of the Office of Public Health and Science, a new division within OS.
Social Security Administration	Effective 31 March 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health and Human Services.
Substance Abuse and Mental Health Services Administration	Data for FY 2003–06 from the 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.
Department of Homeland Security	On 25 November 2002 the President signed the Homeland Security Act of 2002, establishing the Department of Homeland Security (DHS). DHS includes the R&D activities previously reported by the Science and Technology Directorate, Transportation Security Administration, U.S. Coast Guard, and U.S. Secret Service.
Department of the Interior	
Bonneville Power Administration	In FY 1982 the Bonneville Power Administration became part of the Department of Energy.
Bureau of Land Management	In January 1996 the Bureau of Mines was abolished, and some of its activities were transferred to the Bureau of Land Management, the Geological Survey, and the Department of Energy.
Bureau of Mines	In January 1996 the Bureau of Mines was abolished, and some of its activities were transferred to the Bureau of Land Management, the Geological Survey, and the Department of Energy.
Geological Survey	The Office of Water Research and Technology has been combined with the Geological Survey since 1985. Funding for the National Biological Service (NBS) comes from the Geological Survey's congressional appropriation. Since FY 1996, data for the NBS have been included with the Geological Survey's submission. In January 1996 the Bureau of Mines was abolished, and some of its activities were transferred to the Bureau of Land Management, the Geological Survey, and the Department of Energy.
National Biological Service	The name of the National Biological Survey changed to the National Biological Service (NBS) on 5 January 1995. Since FY 1994 NBS has performed all biological research activities formerly funded by the U.S. Fish and Wildlife Service and the National Park Service. Funding for the National Biological Service (NBS) comes from the Geological Survey's congressional appropriation. Since FY 1996, data for the NBS have been included with the Geological Survey's submission.
National Park Service	The name of the National Biological Survey changed to the National Biological Service (NBS) on 5 January 1995. Since FY 1994 NBS has performed all biological research activities formerly funded by the U.S. Fish and Wildlife Service and the National Park Service. Obligations for FY 2003–06 are for National Park Service's (NPS) natural resources program only; data for NPS cultural resources program were not available for this survey cycle.
Office of the Secretary	The Department of Interior's Office of the Secretary has not funded any R&D activities since FY 1995.
Office of Water Research and Technology	The Office of Water Research and Technology has been combined with the Geological Survey since 1985.

U.S. Fish and Wildlife Service	The name of the National Biological Survey changed to the National Biological Service (NBS) on 5 January 1995. Since FY 1994 NBS has performed all biological research activities formerly funded by the U.S. Fish and Wildlife Service and the National Park Service.
Department of Justice	
Bureau of Prisons	The Bureau of Prisons was previously listed as the Federal Prison System.
Drug Enforcement Administration	Large differences exist between the Drug Enforcement Administration's FY 1996 and 1997 R&D funding amounts due to changes in the agency's R&D programs.
Immigration and Naturalization Service	FY 1997–99 figures for the Immigration and Naturalization Service are based on the agency's volume 46 (FY 1996–98) submission. On 1 March 2003 service and benefit functions of the Immigration and Naturalization Service were transferred to the Department of Homeland Security as the U.S. Citizenship and Immigration Services.
Department of Labor	
Labor-Management Relations and Cooperative Programs	In 1984 Labor-Management Relations and Cooperative Programs replaced the Labor-Management Services Administration.
Labor-Management Services Administration	In 1984 Labor-Management Relations and Cooperative Programs replaced the Labor-Management Services Administration.
Department of State	
Agency for International Development	The Agency for International Development transferred from the Department of State to the International Development Cooperation Agency on 1 October 1979. Increases in outlays and obligations reported by the Department of State during the volume 44 (FY 1994–96) survey cycle reflect reporting of moneys received through interagency agreements with the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers. Effective 1 April 1999, all functions and authorities of the U.S. Arms Control and Disarmament Agency were transferred to the Department of State. On 1 October 1999, the U.S. Information Agency was integrated into the Department of State. The Agency for International Development transferred from the Department of State to the International Development Cooperation Agency on 1 October 1979. Increases in outlays and obligations reported by the Department of State during the volume 44 (FY 1994–96) survey cycle reflect reporting of moneys received through interagency agreements with the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers.
Department of Transportation	
Federal Highway Administration	The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on 1 January 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 [9 December 1999]).
Federal Motor Carrier Safety Administration	The Federal Motor Carrier Safety Administration, formerly a part of the Federal Highway Administration, was established within the Department of Transportation on 1 January 2000, as stated in the Motor Carrier Safety Improvement Act of 1999 (Public Law No. 106-159, 113 Stat. 1748 [9 December 1999]).
Federal Transit Administration	The name of this agency changed from the Urban Mass Transit Administration to the Federal Transit Administration on 18 December 1991.
Maritime Administration	In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation. Since FY 1996, the Maritime Administration has had no directly appropriated funding for R&D activities.
U.S. Coast Guard	On 25 November 2002 the President signed the Homeland Security Act of 2002, establishing the Department of Homeland Security (DHS). DHS includes the R&D activities previously reported by the U.S. Coast Guard.
Department of the Treasury	
Internal Revenue Service	Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, FY 1992 figures are taken from estimates made in the volume 41 (FY 1991–93) submission. Large changes in obligations reported by the Internal Revenue Service for volume 44 (FY 1994–96) are due to shifts in research funding.
Office of Thrift Supervision	In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.
U.S. Customs Service	FY 1997–99 figures for the U.S. Customs Service are estimates based on the agency's volume 46 (FY 1996–98) submission.
U.S. Secret Service	On 25 November 2002 the President signed the Homeland Security Act of 2002, establishing the Department of Homeland Security (DHS). DHS includes the R&D activities previously reported by the U.S. Secret Service. The U.S. Secret Service was formerly listed as the Office of Protective Research.

Other agencies

Broadcasting Board of Governors	The Broadcasting Board of Governors became an independent federal entity on 1 October 1999, as mandated by the Foreign Affairs Reform and Restructuring Act (Public Law 105-277), signed by the President on 21 October 1998.
Environmental Protection Agency	Before FY 2000, data reported for the Environmental Protection Agency included R&D data for the Agency for Toxic Substances and Disease Registry.
Federal Emergency Management Agency	Functions for the Defense Civil Preparedness Agency transferred from the Department of Defense to the Federal Emergency Management Agency on 20 July 1979. Functions for the National Fire Prevention and Control Administration transferred from the Department of Commerce to the Federal Emergency Management Agency on 1 April 1979.
National Fire Prevention and Control Administration	Functions for the National Fire Prevention and Control Administration transferred from the Department of Commerce to the Federal Emergency Management Agency on 1 April 1979.
General Services Administration	Since 1985 the National Archives and Records Administration has been separate from the General Services Administration.
International Development Cooperation Agency	The Agency for International Development transferred from the Department of State to the International Development Cooperation Agency on 1 October 1979.
Agency for International Development	Increases in outlays and obligations reported by the Department of State during the volume 44 (FY 1994–96) survey cycle reflect reporting of moneys received through interagency agreements with the Agency for International Development. The Department of State transfers these outlays and obligations to other R&D performers. The Agency for International Development's (AID) new integrated system for budget and accounting records does not contain codes for determining either fields of science and engineering or performer data. The National Science Foundation has estimated these data based on AID's Budget Authority (FY 2000–02) and AID's federal funds survey submission to volume 44 (FY 1994–96). More accurate data for AID will be reported in future volumes of this survey. The Agency for International Development transferred from the Department of State to the International Development Cooperation Agency on 1 October 1979.
National Aeronautics and Space Administration	During the volume 45 (FY 1995–97) survey cycle, the National Aeronautics and Space Administration made a statistical adjustment to the 1994 and 1995 field of science and engineering values to diminish a computational error introduced by its software. In FY 2000 the National Aeronautics and Space Administration reclassified Space Station as physical asset, reclassified Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant. Data for FY 2004 and later years may not be directly comparable to data for FY 2003 and earlier years. In FY 2004, NASA implemented a full cost budget approach, which includes all of the direct and indirect costs for procurement, personnel, travel, and other infrastructure related expenses relative to a particular program and project.
National Archives and Records Administration	Since 1985 the National Archives and Records Administration has been separate from the General Services Administration.
National Science Foundation	The National Science Foundation has made changes to its field of science and engineering coding system, producing changes to some of the FY 1996 field of science data (such as mechanical engineering). These changes are reflected in the historical data tables.
Office of Thrift Supervision	In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.
Social Security Administration	Effective 31 March 1995 the Social Security Administration became an independent agency; it is no longer part of the Department of Health and Human Services.
Tennessee Valley Authority	During the volume 47 (FY 1997–99) survey cycle, the Tennessee Valley Authority (TVA) made adjustments to its 1996, 1997, 1998, and 1999 R&D values to correct reporting errors. In recent years, most of the funds TVA has reported have been those invested by TVA's Office of Power, rather than congressionally appropriated funds. In addition, a substantial amount of congressionally appropriated funds earmarked for environmental compliance and site restoration was erroneously reported as R&D in past years. TVA has determined that these funds do not meet the criteria for classification as R&D spending. Some trend shifts are related to these adjustments, since TVA can only make revisions as far back as 1996.
U.S. Arms Control and Disarmament Agency	FY 1994 figures for the U.S. Arms Control and Disarmament Agency are estimates based on the agency's volume 43 (FY 1993–95) submission. Effective 1 April 1999, all functions and authorities of the U.S. Arms Control and Disarmament Agency were transferred to the Department of State.
U.S. Information Agency	Data reported for the U.S. Information Agency include funds for the former International Communication Agency for FY 1977–81. On 1 October 1999, the U.S. Information Agency was integrated into the Department of State.
U.S. International Trade Commission	In 2000 the U.S. International Trade Commission stopped classifying any of its activities as R&D.

Source: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development.

Appendix D. Federally Funded Research and Development Centers, by Agency and Type of Administration

The following is the master list of federally funded research and development centers (FFRDCs) provided to respondents at the time of the volume 54 data collection. The list is arranged by sponsoring agency and administering organization. Respondents used the FFRDC category to report funds obligated to centers identified on this list. FFRDC administrators are listed in parentheses.

Department of Defense

Department of the Air Force

Administered by universities and colleges, including university consortia
Lincoln Laboratory (Massachusetts Institute of Technology),
Lexington MA

Administered by nonprofit institutions other than universities and colleges
Aerospace FFRDC (The Aerospace Corp.), El Segundo CA
Project Air Force (RAND Corp.[1]), Santa Monica CA

Department of the Army

Administered by nonprofit institutions other than universities and colleges
Arroyo Center (RAND Corp.[1]), Santa Monica CA

Department of the Navy

Administered by nonprofit institutions other than universities and colleges
Center for Naval Analyses (The CNA Corporation), Alexandria VA

National Security Agency

Administered by nonprofit institutions other than universities and colleges
Institute for Defense Analyses Communications and Computing
FFRDC (Institute for Defense Analyses), Alexandria VA

Office of the Secretary of Defense

Administered by universities and colleges, including university consortia
Software Engineering Institute (Carnegie Mellon University),
Pittsburgh PA

Administered by nonprofit institutions other than universities and colleges
Institute for Defense Analyses Studies and Analyses FFRDC
(Institute for Defense Analyses), Alexandria VA
National Defense Research Institute (RAND Corp.[1]), Santa
Monica CA
C3I FFRDC (MITRE Corp.), Bedford MA and McLean VA

Department of Energy

Administered by industrial firms

Idaho National Engineering and Environmental Laboratory (Bechtel
BWXT Idaho LLC), Idaho Falls ID

Sandia National Laboratories (Sandia Corp., a subsidiary of Lockheed
Martin Corp.), Albuquerque NM

Savannah River Technology Center (Westinghouse Savannah River Co.),
Aiken SC

Administered by universities and colleges, including university consortia

Ames Laboratory (Iowa State University of Science and Technology),
Ames IA

Argonne National Laboratory (University of Chicago), Argonne IL

Ernest Orlando Lawrence Berkeley National Laboratory (University of
California), Berkeley CA

Fermi National Accelerator Laboratory (Universities Research
Association Inc.), Batavia IL

Lawrence Livermore National Laboratory (University of California),
Livermore CA

Los Alamos National Laboratory (University of California), Los Alamos
NM

Princeton Plasma Physics Laboratory (Princeton University), Princeton
NJ

Stanford Linear Accelerator Center (Leland Stanford, Jr., University),
Stanford CA

Thomas Jefferson National Accelerator Facility (Southeastern
Universities Research Association Inc.), Newport News VA

Administered by nonprofit institutions other than universities and colleges
Brookhaven National Laboratory (Brookhaven Science Associates Inc.),
Upton, Long Island NY

National Renewable Energy Laboratory (Midwest Research Institute),
Golden CO

Oak Ridge National Laboratory[2] (UT-Battelle LLC), Oak Ridge TN

Pacific Northwest National Laboratory (Battelle Memorial Institute),
Richland WA

Department of Health and Human Services

National Institutes of Health

Administered by industrial firms

National Cancer Institute at Frederick[3] (Science Applications
International Corp.; Charles River Laboratories Inc.; Data
Management Services Inc.; Wilson Information Services Inc.),
Frederick MD

Department of Transportation

Federal Aviation Administration

Administered by nonprofit institutions other than universities and colleges
Center for Advanced Aviation System Development (MITRE
Corp.), McLean VA

Department of the Treasury

Internal Revenue Service (IRS)

Administered by nonprofit institutions other than universities and colleges
IRS FFRDC (MITRE Corp.), McLean VA

National Aeronautics and Space Administration

Administered by universities and colleges, including university consortia
Jet Propulsion Laboratory (California Institute of Technology), Pasadena
CA

National Science Foundation

Administered by universities and colleges, including university consortia
National Astronomy and Ionosphere Center (Cornell University), Arecibo
PR

National Center for Atmospheric Research (University Corp. for
Atmospheric Research), Boulder CO

National Optical Astronomy Observatories (Association of Universities
for Research in Astronomy Inc.), Tucson AZ

National Radio Astronomy Observatory (Associated Universities Inc.),
Green Bank WV

National Radio Astronomy Observatory (Associated Universities Inc.),
Charlottesville VA

Administered by nonprofit institutions other than universities and colleges
The Science and Technology Policy Institute (RAND Corp.[1]),
Washington DC

Nuclear Regulatory Commission

Administered by nonprofit institutions other than universities and colleges
Center for Nuclear Waste Regulatory Analyses (Southwest Research
Institute), San Antonio TX

Footnotes

[1] These portions of RAND Corporation are FFRDCs: National Defense Research Institute (formerly Defense/Office of the Joint Chiefs of Staff), Project Air Force, the Arroyo Center, and the Science and Technology Policy Institute (formerly Critical Technologies Institute).

[2] On 1 April 2000, Oak Ridge National Laboratory acquired a new nonprofit administrator (UT-Battelle LLC). The previous administrator was the industrial firm Lockheed Martin Energy Research Corp.

[3] In 2000 the name was changed from NCI Frederick Cancer Research and Development Center. It remains an FFRDC. In 2000 the name was changed from NCI Frederick Cancer Research and Development Center. It remains an FFRDC.

SOURCE: National Science Foundation/Division of Science Resources Statistics.
Updates of this list are available at <http://www.nsf.gov/statistics/ffrdc/>.

Suggested Citation, Acknowledgments

National Science Foundation, Division of Science Resources Statistics. 2007. *Federal Funds for Research and Development: Fiscal Years 2004–06*. NSF 07-323. John E. Jankowski, project officer. Arlington, VA.

Macro International Inc., under NSF contract number SRS-02-42881, prepared the tables, general and technical notes, and report copy under the direction of Ronald L. Meeks (formerly Research and Development Statistics Program, Division of Science Resources Statistics, National Science Foundation). Macro staff members who worked on this project were Maggie Carlin, Barbara DePaul, Kevin Greenberg, Gail Henry, Cheryl Lloyd, Rick Piet, Daniel Rod, Michael Rossi, Doorjodhan Singh, Susan Wimmer, and Emily Wuerker.

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