

TABLE 5. Federal obligations for research and development, by agency and character of work: FY 2008  
(Dollars in thousands)

Agency	Total R&D	Basic research	Applied research	Development		
				Total	Advanced technology	Major systems
All agencies	127,105,666	27,153,966	26,739,712	73,211,988	NA	NA
Departments						
Department of Agriculture	2,202,052	883,389	1,136,134	182,529	NA	NA
Agricultural Marketing Service	5,000	0	2,500	2,500	NA	NA
Agricultural Research Service	1,122,597	550,072	460,264	112,261	NA	NA
Animal and Plant Health Inspection Service	28,431	0	0	28,431	NA	NA
Economic Research Service	77,844	4,403	73,441	0	NA	NA
Foreign Agricultural Service	415	116	299	0	NA	NA
Forest Service	295,000	82,674	172,989	39,337	NA	NA
Grain Inspection, Packers, and Stockyards Administration	6,560	6,560	0	0	NA	NA
National Agricultural Statistics Service	6,888	2,550	4,338	0	NA	NA
National Institute of Food and Agriculture	655,075	237,014	418,061	0	NA	NA
Rural Business-Cooperative Service	4,242	0	4,242	0	NA	NA
Department of Commerce	1,044,734	110,862	853,114	80,758	NA	NA
Economic Development Administration	2,162	856	1,306	0	NA	NA
National Institute of Standards and Technology	430,044	110,006	296,820	23,218	NA	NA
National Oceanic and Atmospheric Administration	580,820	0	542,708	38,112	NA	NA
National Telecommunications and Information Administration	7,022	0	7,022	0	NA	NA
U.S. Census Bureau	24,686	0	5,258	19,428	NA	NA
Department of Defense	71,833,281	1,616,408	4,964,436	65,252,437	5,959,294	59,293,143
Defense agencies and activities	15,905,571	311,256	1,719,538	13,874,777	3,018,396	10,856,381
Chemical and Biological Defense	702,759	100,596	278,024	324,139	227,968	96,171
Defense Advanced Research Projects Agency	2,530,821	136,309	1,106,905	1,287,607	1,169,143	118,464
Defense Business Transformation Agency	276,878	0	0	276,878	0	276,878
Defense Contract Management Agency	10,804	0	0	10,804	0	10,804
Defense Information Systems Agency	402,656	0	0	402,656	0	402,656
Defense Logistics Agency	188,768	0	0	188,768	135,988	52,780
Defense Technical Information Center	51,441	0	0	51,441	0	51,441
Defense Threat Reduction Agency	450,748	21,734	197,369	231,645	209,654	21,991
Joint Staff	53,899	0	0	53,899	0	53,899
Missile Defense Agency	8,622,563	0	0	8,622,563	100,241	8,522,322
Office of the Secretary of Defense	2,115,853	52,617	113,495	1,949,741	1,099,381	850,360
Special Operations Command	498,381	0	23,745	474,636	76,021	398,615
Department of the Air Force	25,232,258	399,926	1,191,907	23,640,425	754,908	22,885,517
Department of the Army	11,877,787	392,063	1,239,001	10,246,723	1,327,740	8,918,983
Department of the Navy	18,632,979	513,163	813,990	17,305,826	858,250	16,447,576
Operational Test and Evaluation, Director	184,686	0	0	184,686	0	184,686
Department of Education	328,073	4,545	199,538	123,990	NA	NA
Department of Energy	8,238,781	3,180,367	2,919,269	2,139,145	NA	NA
Bonneville Power Administration	13,748	60	11,136	2,552	NA	NA
Civilian Radioactive Waste Management	1,372	0	1,372	0	NA	NA
Electricity Delivery and Energy Reliability	82,652	0	27,275	55,377	NA	NA
Energy Efficiency and Renewable Energy	729,111	12,249	416,810	300,052	NA	NA
Environmental Management	19,376	0	2,325	17,051	NA	NA
Fossil Energy	403,936	4,002	178,956	220,978	NA	NA
National Nuclear Security Administration	3,718,208	26,783	2,151,283	1,540,142	NA	NA
Defense Programs	2,707,427	0	1,967,091	740,336	NA	NA
Naval Reactors	711,801	0	0	711,801	NA	NA
Nonproliferation and Verification	298,980	26,783	184,192	88,005	NA	NA
Nuclear Energy	133,105	0	130,112	2,993	NA	NA
Office of Science	3,137,273	3,137,273	0	0	NA	NA
Department of Health and Human Services	29,553,303	16,030,751	13,428,467	94,085	NA	NA
Administration for Children and Families	19,443	0	19,443	0	NA	NA

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Agency	Total R&D	Basic research	Applied research	Development		
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Agency for Healthcare Research and Quality	334,352	0	307,604	26,748	NA	NA
Agency for Toxic Substances and Disease Registry	4,252	0	4,252	0	NA	NA
Centers for Disease Control and Prevention	538,191	122,284	389,008	26,899	NA	NA
Centers for Medicare and Medicaid Services	31,100	0	31,100	0	NA	NA
Food and Drug Administration	137,938	0	137,938	0	NA	NA
Health Resources and Services Administration	62,102	2,476	19,188	40,438	NA	NA
National Institutes of Health	28,404,405	15,905,991	12,498,414	0	NA	NA
Office of the Secretary	21,520	0	21,520	0	NA	NA
Office of the Assistant Secretary, Planning and Evaluation	21,520	0	21,520	0	NA	NA
Department of Homeland Security	837,208	245,733	79,693	511,782	NA	NA
Science and Technology Directorate	816,884	245,593	72,546	498,745	NA	NA
U.S. Coast Guard	19,624	0	6,587	13,037	NA	NA
U.S. Secret Service	700	140	560	0	NA	NA
Department of Housing and Urban Development	29,564	0	10,382	19,182	NA	NA
Department of the Interior	636,185	43,146	522,939	70,100	NA	NA
Bureau of Reclamation	8,859	0	3,101	5,758	NA	NA
Minerals Management Service	32,416	0	32,416	0	NA	NA
National Park Service	8,521	0	6,590	1,931	NA	NA
U.S. Geological Survey	586,389	43,146	480,832	62,411	NA	NA
Department of Justice	113,441	0	77,518	35,923	NA	NA
Bureau of Prisons	10,558	0	3,029	7,529	NA	NA
Federal Bureau of Investigation	26,123	0	0	26,123	NA	NA
Office of Justice Programs	76,760	0	74,489	2,271	NA	NA
Department of Labor	42,465	14,300	26,633	1,532	NA	NA
Bureau of Labor Statistics	24,200	14,300	9,900	0	NA	NA
Employee Benefits Security Administration	2,179	0	2,179	0	NA	NA
Employment and Training Administration	10,690	NA	10,690	NA	NA	NA
Occupational Safety and Health Administration	3,633	0	3,633	0	NA	NA
Pension Benefit Guaranty Corporation	1,763	0	231	1,532	NA	NA
Department of State	3,724	0	3,724	0	NA	NA
Department of Transportation	806,090	0	634,056	172,034	NA	NA
Federal Aviation Administration	257,084	0	140,386	116,698	NA	NA
Federal Highway Administration	377,282	0	347,341	29,941	NA	NA
Federal Motor Carrier Safety Administration	8,406	0	8,406	0	NA	NA
Federal Railroad Administration	37,501	0	37,501	0	NA	NA
Federal Transit Administration	9,457	0	3,633	5,824	NA	NA
National Highway Traffic Safety Administration	83,254	0	83,254	0	NA	NA
Office of the Secretary	13,476	0	0	13,476	NA	NA
Pipeline and Hazardous Materials Safety Administration	8,928	0	2,833	6,095	NA	NA
Research and Innovative Technology Administration	10,702	0	10,702	0	NA	NA
Department of the Treasury	65,495	137	64,388	970	NA	NA
Bureau of Engraving and Printing	5,325	137	4,807	381	NA	NA
Internal Revenue Service	59,581	0	59,581	0	NA	NA
U.S. Mint	589	0	0	589	NA	NA
Department of Veterans Affairs	479,562	210,982	245,577	23,003	NA	NA
Other agencies						
Agency for International Development	123,849	2,882	120,967	0	NA	NA
Appalachian Regional Commission	765	0	765	0	NA	NA
Environmental Protection Agency	532,037	78,425	371,765	81,847	NA	NA
Federal Communications Commission	6,694	0	6,694	0	NA	NA
Federal Trade Commission	2,617	0	2,617	0	NA	NA
Library of Congress	1,368	0	463	905	NA	NA
National Aeronautics and Space Administration	5,827,453	874,519	531,168	4,421,766	NA	NA

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Agency	Total R&D	Basic research	Applied research	Development		
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National Archives and Records Administration	4,620	0	4,620	0	NA	NA
National Science Foundation	4,135,230	3,715,520	419,710	0	NA	NA
Nuclear Regulatory Commission	60,996	0	60,996	0	NA	NA
Smithsonian Institution	142,000	142,000	0	0	NA	NA
Social Security Administration	54,079	0	54,079	0	NA	NA

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

NOTES: 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/National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development: FY 2008-10.