

Table 802. Federal Obligations for Research in Current and Constant (2000) Dollars by Field of Science: 2005 to 2009

[In millions of dollars (53,738 represents \$53,738,000,000). For years ending September 30. Excludes R&D plant]

Field of science	Current dollars				Constant (2000) dollars ¹			
	2005	2007	2008, prel.	2009, proj.	2005	2007	2008, prel.	2009, proj.
Research, total	53,738	54,094	55,097	54,801	47,682	45,248	45,213	44,081
Basic	27,140	26,866	27,559	28,536	24,082	22,472	22,615	22,954
Applied	26,598	27,228	27,538	26,265	23,601	22,775	22,598	21,127
Life sciences	28,128	29,464	29,675	29,299	24,958	24,645	24,351	23,567
Psychology	1,892	1,838	1,861	1,853	1,679	1,537	1,527	1,490
Physical sciences	5,494	5,136	5,249	5,593	4,875	4,296	4,308	4,499
Environmental sciences	3,503	3,171	3,315	3,352	3,108	2,652	2,720	2,697
Mathematics and computer sciences	2,983	2,946	3,285	3,333	2,647	2,464	2,696	2,681
Engineering	8,553	8,990	9,353	8,907	7,589	7,520	7,676	7,164
Social sciences	1,097	1,147	1,071	1,123	973	960	879	903
Other sciences, n.e.c. ²	2,089	1,403	1,287	1,341	1,854	1,174	1,056	1,079

¹ Based on gross domestic product implicit price deflator. ² Not elsewhere classified.

Source: U.S. National Science Foundation, *Federal Funds for Research and Development*, NSF 09-320, 2009. See also <<http://www.nsf.gov/statistics/fedfunds/>>.

Table 803. Federal Budget Authority for Research and Development (R&D) in Current and Constant (2000) Dollars by Selected Budget Functions: 2007 to 2010

[In millions of dollars (138,087 represents \$138,087,000,000). For year ending September 30. Excludes R&D plant. Represents budget authority. Functions shown are those for which \$1 billion or more was authorized since 2001]

Function	Current dollars				Constant (2000) dollars ¹			
	2007	2008	2009 ²	2010 ³	2007	2008	2009 ²	2010 ³
Total ⁴	138,087	140,113	156,009	143,892	115,506	114,979	125,490	113,479
National defense	82,272	84,713	85,166	86,082	68,818	69,517	68,505	67,888
Health	29,461	29,063	40,389	30,976	24,643	23,849	32,488	24,429
Space research and technology	9,024	8,323	6,891	6,622	7,548	6,830	5,543	5,222
Energy	1,893	1,896	3,318	2,138	1,583	1,556	2,669	1,686
General science	7,809	8,234	11,840	9,298	6,532	6,757	9,524	7,333
Natural resources and environment	1,936	2,106	2,245	2,300	1,619	1,728	1,806	1,814
Transportation	1,361	1,394	1,440	1,427	1,138	1,144	1,158	1,125
Agriculture	1,857	1,864	2,302	2,439	1,553	1,530	1,852	1,924

¹ Based on gross domestic product implicit price deflator. ² Includes ARRA (American Recovery and Reinvestment Act) funds.

³ Preliminary. ⁴ Includes other functions, not shown separately.

Source: U.S. National Science Foundation, *Federal R&D Funding by Budget Function*, NSF 10-317, 2010. See also <<http://www.nsf.gov/statistics/nsf10317/>>.

Table 804. Federal Research and Development (R&D) by Federal Agency: Fiscal Year (FY) 2009 and 2010

[In millions of dollars (145,605 represents \$145,605,000,000). For years ending September 30. R&D refers to actual research and development activities as well as R&D facilities. R&D facilities (also known as R&D plants) includes construction, repair, or alteration of physical plant used in the conduct of R&D. Based on Office of Management and Budget data]

Federal agency	2009 ¹	2010	Federal agency	2009 ¹	2010
Total research and development	145,605	149,295			
Defense R&D	85,309	86,756	Department of Veterans Affairs	925	1,073
Nondefense R&D	60,297	62,539	Department of Homeland Security	943	1,034
			Department of Transportation	1,096	887
Department of Defense	81,484	82,902	Department of Interior	702	776
Science and technology	13,967	14,749	U.S. Geological Survey	615	661
All other Department of Defense R&D	67,517	68,152	Environmental Protection Agency	563	597
Health and Human Services	31,058	31,458	Department of Education	312	353
National Institute of Health	29,752	30,189	Smithsonian	216	213
All other Health and Human Services R&D	1,306	1,269	International Assistance Programs	152	121
Department of Energy	10,301	10,836	Department of Housing and Urban Development	58	100
Atomic Energy Defense	3,825	3,854	Department of State	101	81
Office of Science	4,372	4,528	Nuclear Regulatory Commission	94	79
Energy R&D	2,104	2,454	Department of Justice	103	73
NASA	8,788	9,262	Social Security Administration	35	49
National Science Foundation	4,767	5,392	U.S. Postal Service	18	18
Department of Agriculture	2,437	2,611	Tennessee Valley Authority	43	12
Department of Commerce	1,389	1,337	Army Corps of Engineers	11	11
National Oceanic and Atmospheric Administration	785	685	Telecommunications Development Agency	6	7
National Institute of Standards and Technology	553	588	Department of Labor	4	4

¹ Includes ARRA (American Recovery and Reinvestment Act) funds.

Source: American Association for the Advancement of Science (AAAS), AAAS Report XXXIV *Research and Development FY 2011*, annual (copyright). See also <<http://www.aaas.org/spp/rd/rdreport2011/>>.