

Table 796. 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, prel.	2005	2007	2008, prel.	2009, prel.
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 797. Federal Budget Authority for Research and Development (R&D) in Current and Constant (2000) Dollars by Selected Budget Functions: 2005 to 2009

[In millions of dollars (126,601 represents \$126,601,000,000). 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			
	2005	2007	2008	2009, prel. ²	2005	2007	2008	2009, prel. ²
Total ³	126,601	138,087	140,113	157,213	112,335	115,506	114,979	126,458
National defense	74,047	82,272	84,713	85,595	65,703	68,818	69,517	68,851
Health	28,824	29,461	29,063	39,826	25,576	24,643	23,849	32,035
Space research and technology	7,300	9,024	8,323	8,629	6,477	7,548	6,830	6,941
Energy	1,296	1,893	1,896	2,921	1,150	1,583	1,556	2,350
General science	6,570	7,809	8,234	11,634	5,830	6,532	6,757	9,358
Natural resources and environment	2,168	1,936	2,106	2,293	1,924	1,619	1,728	1,844
Transportation	1,847	1,361	1,394	1,562	1,639	1,138	1,144	1,256
Agriculture	1,820	1,857	1,864	1,927	1,615	1,553	1,530	1,550

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

³ 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 798. Federal Research and Development (R&D) by Federal Agency: Fiscal Year (FY) 2008 and 2009

[In millions of dollars (144,456 represents \$144,456,000,000). 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	2008	2009	Federal agency	2008	2009
Total research and development	144,456	145,605			
Defense R&D	85,129	85,309	Department of Veterans Affairs	886	943
Nondefense R&D	59,326	60,297	Department of Homeland Security	995	1,096
			Department of Transportation	875	925
Department of Defense	81,166	81,484	Department of Interior	683	702
Science and technology	13,045	13,967	U.S. Geological Survey	586	615
All other Department of Defense R&D	68,122	67,517	Environmental Protection Agency	548	563
Health and Human Services	29,250	31,058	Department of Education	313	312
National Institute of Health	28,532	29,752	Smithsonian	194	216
All other Health and Human Services R&D	718	1,306	International Assistance Programs	152	152
Department of Energy	9,769	10,301	Department of Housing and Urban Development	50	58
Atomic Energy Defense	3,963	3,825	Department of State	103	103
Office of Science	3,807	4,372	Nuclear Regulatory Commission	71	101
Energy R&D	1,999	2,104	Department of Justice	81	94
NASA	11,183	8,788	Social Security Administration	27	35
National Science Foundation	4,506	4,767	U.S. Postal Service	43	43
Department of Agriculture	2,332	2,437	Tennessee Valley Authority	20	18
Department of Commerce	1,188	1,389	Army Corps of Engineers	11	11
National Oceanic and Atmospheric Administration	633	785	Telecommunications Development Agency	5	6
National Institute of Standards and Technology	498	553	Department of Labor	4	4

Source: American Association for the Advancement of Science (AAAS), AAAS Report XXXIV *Research and Development FY 2010*, annual (copyright). See also <<http://www.aaas.org/spp/rd/rdreport2010/>>.