

**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 <sup>1</sup>			
	2005	2007	2008, prel.	2009, prel.	2005	2007	2008, prel.	2009, prel.
<b>Research, total</b> .....	<b>53,738</b>	<b>54,094</b>	<b>55,097</b>	<b>54,801</b>	<b>47,682</b>	<b>45,248</b>	<b>45,213</b>	<b>44,081</b>
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. <sup>2</sup> .....	2,089	1,403	1,287	1,341	1,854	1,174	1,056	1,079

<sup>1</sup> Based on gross domestic product implicit price deflator. <sup>2</sup> 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 <sup>1</sup>			
	2005	2007	2008	2009, prel. <sup>2</sup>	2005	2007	2008	2009, prel. <sup>2</sup>
<b>Total</b> <sup>3</sup> .....	<b>126,601</b>	<b>138,087</b>	<b>140,113</b>	<b>157,213</b>	<b>112,335</b>	<b>115,506</b>	<b>114,979</b>	<b>126,458</b>
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

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

<sup>3</sup> 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
<b>Total research and development</b> .....	<b>144,456</b>	<b>145,605</b>			
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/>>.