

Table 805. Funds for Domestic Business Research and Development (R&D) Performed by Manufacturing and Nonmanufacturing Companies by Industry: 2006 to 2008

[Based on the Survey of Industry Research and Development and the Business R&D and Innovation Survey; for information about the surveys and methodology, see <http://www.nsf.gov/statistics/srvindustry/sird.cfm>]

Industry	NAICS ¹ code	Total R&D funds as a percent of net sales			Company R&D funds as a percent of net sales ²		
		2006	2007	2008	2006	2007	2008
All industries, total	(X)	3.7	3.8	3.7	3.4	3.5	3.0
All manufacturing industries, total	(X)	4.0	4.1	4.4	3.6	3.7	3.5
Food	311	0.7	(D)	0.4	0.7	0.7	0.4
Paper, printing, and support activities	322, 323	(D)	(D)	1.4	1.2	1.3	1.3
Petroleum and coal products	324	0.3	(D)	(D)	0.3	0.3	(D)
Chemicals	325	7.6	(D)	6.5	7.5	7.9	6.1
Plastic and rubber products	326	2.0	(D)	1.1	1.9	1.5	1.1
Nonmetallic mineral products	327	2.1	1.8	2.0	1.9	1.8	1.9
Primary metals	331	0.5	0.6	0.4	0.5	0.6	0.4
Fabricated metal products	332	1.4	1.7	1.6	1.4	1.6	1.6
Machinery	333	3.6	3.7	3.6	3.6	3.7	3.5
Computer and electronic products	334	10.8	9.9	11.6	9.2	8.4	10.1
Electrical equipment, appliances, and components	335	2.6	3.1	2.9	2.5	3.0	2.7
Transportation equipment	336	(D)	(D)	5.7	2.9	3.1	2.6
All nonmanufacturing industries, total	(X)	3.2	3.4	2.8	2.9	3.0	2.2
Information	51	5.3	(D)	4.9	5.2	5.1	4.8
Software publishing	5112	(D)	(D)	10.8	19.9	19.6	10.6
Internet service and data processing providers	518	9.6	(D)	6.3	9.4	9.6	6.2
Professional, scientific, and technical services	54	9.5	11.7	8.4	7.6	9.5	4.5
Architectural, engineering, and related services	5413	14.4	12.0	8.2	10.7	8.1	3.3
Computer systems design and related services	5415	5.3	7.0	5.9	4.9	6.6	4.2
Scientific research and development services	5417	35.1	42.0	13.2	24.2	30.0	6.4

D Figure withheld to avoid disclosure of information pertaining to a specific organization or individual. X Not applicable. ¹ North American Industry Classification System (NAICS); see text, Section 15. ² For 2006–2007, company R&D funds included the company's own funds as well as funds from all other nonfederal sources. For 2008, company R&D funds included only the company's own funds.

Source: U.S. National Science Foundation, *Research and Development in Industry and Business Research and Development*, annual. See also: <http://www.nsf.gov/statistics/>.

Table 806. Funds for Domestic Performance of Business Research and Development (R&D) in Current and Constant (2005) Dollars by Source of Funds and Selected Industries: 2005 to 2008

[In millions of dollars (226,159 represents \$226,159,000,000). For calendar years. Covers basic research, applied research, and development. Based on the Survey of Industry Research and Development and the Business R&D and Innovation Survey; for information about the surveys and methodology, see <http://www.nsf.gov/statistics/srvindustry/sird.cfm>]

Industry	NAICS ¹ code	2005	2006	2007	2008
		CURRENT DOLLARS			
Total funds	(X)	226,159	247,669	269,267	290,681
Company and other funds	(X)	204,250	223,365	242,682	254,321
Federal funds	(X)	21,909	24,304	26,585	36,360
Petroleum and coal products	324	(D)	1,432	(D)	(D)
Chemicals and allied products	325	42,995	46,329	(D)	58,249
Pharmaceuticals and medicines	3254	34,839	38,901	(D)	48,131
Machinery	333	8,531	9,848	9,865	10,104
Computer and electronic products	334	(D)	56,773	58,599	60,463
Navigational, measuring, electromedical, and control instruments	3345	15,204	18,300	20,438	15,460
Electrical equipment, appliances, and components	335	2,424	2,281	(D)	3,143
Aerospace products and parts	3364	15,055	16,367	18,436	36,941
Information	51	23,836	26,883	(D)	37,964
Professional, scientific, and technical services	54	32,021	38,049	40,533	37,594
Computer systems design and related services	5415	13,592	14,841	14,407	12,146
Scientific R&D services	5417	12,299	14,525	16,849	17,913
CONSTANT (2005) DOLLARS ²					
Total funds	(X)	226,159	239,850	253,309	267,613
Company and other funds	(X)	204,250	216,313	228,299	234,138
Federal funds	(X)	21,909	23,537	23,527	33,474
Petroleum and coal products	324	(D)	1,387	(D)	(D)
Chemicals	325	42,995	44,866	(D)	53,626
Pharmaceuticals and medicines	3254	34,839	37,673	(D)	44,311
Machinery	333	8,531	9,537	9,280	9,302
Computer and electronic products	334	(D)	54,981	55,126	55,665
Navigational, measuring, electromedical, and control instruments	3345	15,204	17,722	19,227	14,233
Electrical equipment, appliances, and components	335	2,424	2,209	(D)	2,894
Aerospace products and parts	3364	15,055	15,850	17,343	34,009
Information	51	23,836	26,034	(D)	34,703
Professional, scientific, and technical services	54	32,021	36,848	38,131	34,942
Computer systems design and related services	5415	13,592	14,372	13,553	11,182
Scientific R&D services	5417	12,299	14,066	15,850	16,491

D Figure withheld to avoid disclosure of information pertaining to a specific organization or individual. X Not applicable. ¹ North American Industry Classification System; see text, Section 15. ² Based on gross domestic product implicit price deflator.

Source: U.S. National Science Foundation, *Research and Development in Industry and Business Research and Development*, annual. See also: <http://www.nsf.gov/statistics/>