

TABLE 7. Domestic R&D paid for and performed by the company, by character of work, industry, and company size: 2008  
(Millions of U.S. dollars)

Industry and company size	NAICS code	Total	Character of work		
			Basic research	Applied research	Development
All industries	21–23, 31–33, 42–81	232,505	10,028	36,425	186,050
Manufacturing industries	31–33	164,386	6,545	27,343	130,498
Food	311	2,063	84	304	1,674
Beverage and tobacco products	312	777	53	272	451
Textiles, apparel, and leather products	313–316	802	38	112	652
Wood products	321	270	7	52	211
Printing and related support activities	323	312	8	27	277
Chemicals	325	55,042	3,422	12,393	39,227
Pharmaceuticals and medicines	3254	45,169	2,882	9,907	32,379
Other chemicals	other 325	9,873	540	2,486	6,848
Plastics and rubber products	326	1,713	87	314	1,312
Nonmetallic mineral products	327	1,509	23	230	1,256
Primary metals	331	654	36	105	513
Fabricated metal products	332	2,362	59	283	2,020
Machinery	333	9,846	242	1,157	8,447
Computer and electronic products	334	52,912	1,333	7,140	44,439
Semiconductor and other electronic components	3344	21,588	249	2,525	18,813
Navigational, measuring, electromedical, and control instruments	3345	10,463	491	1,797	8,175
Other computer and electronic products	other 334	20,862	593	2,818	17,451
Electrical equipment, appliances, and components	335	2,947	102	496	2,348
Transportation equipment	336	23,039	628	2,730	19,681
Aerospace products and parts	3364	10,371	233	1,261	8,877
Other transportation	other 336	12,668	395	1,469	10,804
Furniture and related products	337	477	18	34	424
Other manufacturing	322, 324, 339	9,660	404	1,693	7,564
Nonmanufacturing industries	21–23, 42–81	68,118	3,483	9,082	55,552
Information	51	36,922	1,580	3,555	31,786
Publishing	511	27,871	1,104	2,557	24,210
Telecommunications	517	1,601	251	111	1,239
Internet service providers, Web search portals, and data processing services	518	6,493	208	830	5,455
Other information	other 51	958	18	56	883
Professional, scientific, and technical services	54	20,539	1,466	4,020	15,053
Architectural, engineering, and related services	5413	1,378	41	261	1,076
Computer systems design and related services	5415	8,569	218	696	7,653
Scientific R&D services	5417	8,708	1,069	2,859	4,781
Other professional, scientific, and technical services	other 54	1,884	138	204	1,542
Other nonmanufacturing	21–23, 42–49, 52, 53, 55–81	10,657	437	1,507	8,713
All companies	–	232,505	10,028	36,425	186,050
Small companies (number of employees) <sup>a</sup>					
5–499	–	46,396	2,533	7,875	35,986
5–99	–	24,890	1,290	4,370	19,228
5–49	–	17,642	949	2,952	13,740
5–24	–	10,333	594	1,678	8,060
25–49	–	7,309	355	1,274	5,680
50–99	–	7,248	341	1,419	5,488
100–249	–	12,933	760	2,442	9,731
250–499	–	8,572	483	1,063	7,026
Medium and large companies (number of employees)					
500–999	–	9,673	583	1,685	7,405
1,000–4,999	–	39,010	1,212	5,145	32,653

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5,000–9,999	–	20,358	697	3,640	16,021
10,000–24,999	–	43,049	1,744	7,831	33,473
25,000 or more	–	74,020	3,259	10,249	60,512

i = value > 50% of estimate is a combination of imputation and reweighting to account for nonresponse.

NAICS = 2002 North American Industry Classification System.

<sup>a</sup> Upper bound based on U.S. Small Business Administration's definition of small business; Business R&D and Innovation Survey (BRDIS) does not include companies with fewer than five domestic employees. After 2008 BRDIS sample was selected and surveyed, an error was identified that resulted in excluding 226,884 single-establishment companies with five paid employees from sample frame. Most excluded establishments were classified in industries with low R&D intensities, such as construction, retail trade, and service sectors. Based on available information for these small single-establishment companies, their contribution to 2008 R&D estimates is estimated to be negligible.

NOTES: Detail may not add to total because of rounding. Industry classification based on dominant business code for domestic R&D performance where available. For companies that did not report business codes, classification used for sampling was assigned. Statistics are representative of companies located in United States that performed or funded R&D.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics and U.S. Census Bureau, Business R&D and Innovation Survey, 2008.