

TABLE 100. Domestic R&D paid for and performed by the company, by character of work, industry, and company size: 2010
(Millions of U.S. dollars)

Industry and company size	NAICS code	Total	Basic research	Applied research	Development
All industries	21–23, 31–33, 42–81	221,706	13,453	35,475	172,777
Manufacturing industries	31–33	159,579	9,806	29,036	120,737
Food	311	3,659	172	1,379	2,107
Beverage and tobacco products	312	717	53	201	464
Textiles, apparel, and leather products	313–316	478	28	53	397
Wood products	321	229	12	36	181
Printing and related support activities	323	201	10	46	145
Chemicals	325	53,555	4,524	14,471	34,561
Pharmaceuticals and medicines	3254	45,398	3,978	12,580	28,839
Other chemicals	other 325	8,158	545	1,891	5,722
Plastics and rubber products	326	1,809	103	254	1,452
Nonmetallic mineral products	327	1,246 i	93 i	184 i	969 i
Primary metals	331	579	22	102	454
Fabricated metal products	332	1,464	57	149	1,259
Machinery	333	9,384	365	1,087	7,933
Computer and electronic products	334	51,223	2,481 i	6,809	41,933
Semiconductor and other electronic components	3344	21,318	464	3,443 i	17,411
Navigational, measuring, electromedical, and control instruments	3345	9,729	409	1,411	7,909
Other computer and electronic products	other 334	20,176	1,608 i	1,955	16,613
Electrical equipment, appliances, and components	335	3,141	362	458	2,320
Transportation equipment	336	21,076	822	2,050	18,204
Aerospace products and parts	3364	10,152	369	956	8,827
Other transportation equipment	other 336	10,924	453	1,095	9,376
Furniture and related products	337	370	18	37	315
Miscellaneous manufacturing	322, 324, 339	10,448	684	1,720	8,044
Nonmanufacturing industries	21–23, 42–81	62,127	3,647	6,440	52,040
Information	51	36,085	2,047	2,568	31,470
Publishing	511	26,387	1,677	1,811	22,899
Telecommunications	517	1,755	199 i	240 i	1,316 i
Data processing, hosting, and related services	518	2,491	51	226	2,214
Other information	other 51	5,452	120	291	5,040
Professional, scientific, and technical services	54	15,438	731	2,204	12,503
Architectural, engineering, and related services	5413	1,381	82	254	1,045
Computer systems design and related services	5415	9,416	214 i	819 i	8,383
Scientific R&D services	5417	2,851	378	841	1,632
Biotechnology R&D	541711	1,720	327	539	854
Physical, engineering, and life sciences (except biotechnology) R&D	541712	1,116	51	297	769
Social sciences and humanities R&D	541720	15	1	5 i	9
Other professional, scientific, and technical services	other 54	1,790	56	290	1,444
Other nonmanufacturing	21–23, 42–49, 52, 53, 55–81	10,604	868	1,668	8,068
All companies (number of employees)	–	221,706	13,453	35,475	172,777
Small companies (number of employees) ^a					
5–499	–	40,822	2,096	7,647	31,079
5–99	–	22,974	1,209	4,417	17,348
5–49	–	16,574	922	3,432 i	12,219
5–9	–	2,907	113	357	2,437
10–24	–	6,720	403	2,065 i	4,251
25–49	–	6,947	406	1,010	5,531
50–99	–	6,400	287	984	5,129
100–249	–	9,435	474	1,714	7,247
250–499	–	8,413	412	1,516	6,484

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Medium and large companies (number of employees)					
500-999	-	8,640	371	1,270	6,999
1,000-4,999	-	39,468	1,819	5,292	32,357
5,000-9,999	-	21,940	1,227	3,153	17,560
10,000-24,999	-	36,688	3,716	5,352	27,621
25,000 or more	-	74,148	4,224	12,762	57,162

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

NAICS = 2007 North American Industry Classification System.

^a 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.

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, 2010.