

TABLE 19. Domestic R&D paid for and performed by the company, by character of work, industry, and company size: 2014  
(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	282,570	16,107	39,012	227,451
Manufacturing industries	31–33	192,160	13,050	29,392	149,718
Food	311	5,071 i	680 i	1,015 i	3,376
Beverages and tobacco products	312	819	102	214	504
Textiles, apparel, and leather products	313–16	616	45	72	499
Wood products	321	351 i	15 i	79 i	257 i
Printing and related support activities	323	232	5 i	72	155 i
Chemicals	325	56,488	6,945	12,194	37,349
Pharmaceuticals and medicines	3254	47,646	6,201	10,110	31,335
Other chemicals	other 325	8,842	744	2,084	6,014
Plastics and rubber products	326	3,416	433	890	2,093
Nonmetallic mineral products	327	1,420 i	199 i	337 i	884 i
Primary metals	331	615	43 i	120 i	452 i
Fabricated metal products	332	2,000	100 i	307 i	1,593 i
Machinery	333	11,458	618	1,225	9,614
Computer and electronic products	334	64,695	1,740 i	7,559 i	55,397 i
Semiconductor and other electronic components	3344	30,029	681 i	3,904 i	25,445 i
Navigational, measuring, electromedical, and control instruments	3345	10,576	624 i	1,377	8,575
Other computer and electronic products	other 334	24,090	435 i	2,278 i	21,377 i
Electrical equipment, appliances, and components	335	4,178	140	576	3,463
Transportation equipment	336	27,261	1,391	3,080	22,790
Aerospace products and parts	3364	10,300	534	2,043	7,722
Other transportation equipment	other 336	16,961	857	1,037	15,068
Furniture and related products	337	369	22	86	261
Miscellaneous manufacturing	322, 324, 339	13,170	572	1,567	11,032
Nonmanufacturing industries	21–23, 42–81	90,409	3,057	9,620	77,732
Information	51	62,296	2,001	5,468	54,827
Publishing	511	34,869	1,122	2,627	31,120
Telecommunications	517	3,710	308	1,107	2,295
Data processing, hosting, and related services	518	8,926	401	836	7,689
Other information	other 51	14,791	169	897	13,724
Professional, scientific, and technical services	54	16,061 i	780 i	2,448 i	12,833 i
Architectural, engineering, and related services	5413	1,503 i	142 i	372 i	990 i
Computer systems design and related services	5415	8,644 i	336 i	1,229 i	7,079 i
Scientific R&D services	5417	2,668	191 i	542	1,935
Biotechnology R&D	541711	692	49 i	167 i	476 i
Physical, engineering, and life sciences (except biotechnology) R&D	541712	1,950	138	358	1,454
Social sciences and humanities R&D	541720	26	4	17	5
Other professional, scientific, and technical services	other 54	3,245 i	112	304	2,830 i
Other nonmanufacturing	21–23, 42–49, 52, 53, 55–81	12,053	277	1,704	10,072
All companies (number of domestic employees)	–	282,570	16,107	39,012	227,451
Small companies <sup>a</sup>					
5–499	–	42,889	2,249	7,152	33,489
5–99	–	21,695 i	1,066 i	3,779 i	16,850 i
5–49	–	14,169 i	753 i	2,425 i	10,991 i
5–9	–	2,426 i	122 i	348 i	1,956 i
10–24	–	5,506 i	301 i	1,010 i	4,195 i
25–49	–	6,237 i	330 i	1,067 i	4,840 i
50–99	–	7,526	313 i	1,353	5,859
100–249	–	11,006	554	1,851	8,601
250–499	–	10,188	629	1,522	8,037
Medium and large companies					

TABLE 19. Domestic R&D paid for and performed by the company, by character of work, industry, and company size: 2014  
(Millions of U.S. dollars)

Industry and company size	NAICS code	Total	Basic research	Applied research	Development
500-999	-	11,736	590	1,804	9,343
1,000-4,999	-	47,807	2,714	7,414	37,680
5,000-9,999	-	30,680	980	3,244	26,456
10,000-24,999	-	46,904	2,379	8,137	36,387
25,000 or more	-	102,555	7,196	11,263	84,096

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

NAICS = 2012 North American Industry Classification System.

<sup>a</sup> Upper bound is based on the U.S. Small Business Administration's definition of a small business; the Business R&D and Innovation Survey does not include companies with fewer than five domestic employees.

NOTES: Detail may not add to total because of rounding. Industry classification is based on the dominant business code for domestic R&D performance, where available. For companies that did not report business codes, the classification used for sampling was assigned. Statistics are representative of companies located in the 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, 2014.