

TABLE 25

Domestic R&D paid for and performed by the company, by type of R&D, industry, and company size: 2015

(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	296,677	16,306	44,344	236,027
Manufacturing industries	31-33	195,792	12,588	32,751	150,453
Food	311	4,644	439	1,452	2,753
Beverages and tobacco products	312	885	108	227	551
Textiles, apparel, and leather products	313-16	715	55	83	578
Wood products	321	188	12	24	151
Printing and related support activities	323	189	2	24	163
Chemicals	325	58,769	6,264	14,493	38,012
Pharmaceuticals and medicines	3254	50,242	5,286	12,258	32,698
Other chemicals	other 325	8,526	977	2,235	5,314
Plastics and rubber products	326	2,390	133	364	1,893
Nonmetallic mineral products	327	1,239	136	270	832
Primary metals	331	579	45	111	423
Fabricated metal products	332	2,039	75	337	1,627
Machinery	333	12,544	636	1,501	10,407
Computer and electronic products	334	63,765	1,994	8,003	53,768
Semiconductors and other electronic components	3344	28,597	728	4,319	23,550
Navigational, measuring, electromedical, and control instruments	3345	9,218	514	1,374	7,330
Other computer and electronic products	other 334	25,950	752	2,310	22,888
Electrical equipment, appliances, and components	335	3,852	135	570	3,147
Transportation equipment	336	29,224	1,934	3,142	24,148
Aerospace products and parts	3364	11,138	836	1,267	9,035
Other transportation equipment	other 336	18,086	1,098	1,875	15,113
Furniture and related products	337	443	25	117	300
Miscellaneous manufacturing	322, 324, 339	14,327	594	2,033	11,700
Nonmanufacturing industries	21-23, 42-81	100,885	3,717	11,594	85,575
Information	51	64,578	1,514	6,242	56,823
Publishing	511	32,598	914	2,634	29,050
Telecommunications	517	3,537	289	1,183	2,066
Data processing, hosting, and related services	518	9,314	227	1,435	7,652
Other information	other 51	19,129	84	990	18,055
Professional, scientific, and technical services	54	21,915	1,210	3,454	17,251
Architectural, engineering, and related services	5413	2,247	282	602	1,364
Computer systems design and related services	5415	12,418	476	1,393	10,549
Scientific research and development services	5417	3,896	342	1,186	2,369
Biotechnology research and development	541711	1,536	176	468	893
Physical, engineering, and life sciences (except biotechnology) research and development	541712	2,348	164	713	1,471
Social sciences and humanities research and development	541720	12	2	5	5
Other professional, scientific, and technical services	other 54	3,354	110	274	2,970
Other nonmanufacturing	21-23, 42-49, 52, 53, 55-81	14,392	994	1,898	11,501
All companies (number of domestic employees)	-	296,677	16,306	44,344	236,027
Micro companies ^a					
5-9	-	1,972	138	412	1,422
Small companies					
10-19	-	4,434	304	890	3,239
20-49	-	7,933	494	1,696	5,743
Medium companies					
50-99	-	8,803	517	1,513	6,772
100-249	-	11,037	704	2,386	7,947

TABLE 25

Domestic R&D paid for and performed by the company, by type of R&D, industry, and company size: 2015

(Millions of U.S. dollars)

Industry and company size	NAICS code	Total	Basic research	Applied research	Development
Large companies					
250–499	–	11,368	515	2,067	8,785
500–999	–	13,194	768	2,079	10,347
1,000–4,999	–	48,264	2,611	8,271	37,382
5,000–9,999	–	34,660	1,813	4,169	28,678
10,000–24,999	–	48,450	2,729	8,135	37,585
25,000 or more	–	106,562	5,712	12,723	88,127

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

NAICS = 2012 North American Industry Classification System.

^a Business R&D and Innovation Survey does not include companies with fewer than five domestic employees.

Note(s)

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(s)

National Science Foundation, National Center for Science and Engineering Statistics, and U.S. Census Bureau, Business R&D and Innovation Survey, 2015.