

TABLE 34

Domestic R&D paid for by others 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	59,144	5,486	12,128	41,530
Manufacturing industries	31-33	40,340	4,167	6,833	29,340
Food	311	194	11	60	123
Beverages and tobacco products	312	117	15	26	76
Textiles, apparel, and leather products	313-16	32	1	2	29
Wood products	321	8 i	1 i	1 i	6
Printing and related support activities	323	7 i	2 i	1 i	4 i
Chemicals	325	9,427	2,053	1,553	5,821
Pharmaceuticals and medicines	3254	8,432	1,885	1,098	5,449
Other chemicals	other 325	995	168	455	371
Plastics and rubber products	326	152 i	*	1	151 i
Nonmetallic mineral products	327	20	1	3	16
Primary metals	331	49	*	1	47
Fabricated metal products	332	223 i	17 i	27 i	178 i
Machinery	333	881 i	36	48 i	797 i
Computer and electronic products	334	8,345	344 i	969 i	7,031
Semiconductors and other electronic components	3344	1,855	22	150 i	1,682
Navigational, measuring, electromedical, and control instruments	3345	4,910	91 i	567	4,251
Other computer and electronic products	other 334	1,580 i	230 i	252 i	1,098 i
Electrical equipment, appliances, and components	335	483 i	6 i	46 i	431 i
Transportation equipment	336	20,050 i	1,671 i	4,023	14,356 i
Aerospace products and parts	3364	16,326 i	1,285 i	2,463 i	12,578 i
Other transportation equipment	other 336	3,724	386	1,560	1,778
Furniture and related products	337	9 i	* i	2 i	7 i
Miscellaneous manufacturing	322, 324, 339	343 i	10 i	67 i	265 i
Nonmanufacturing industries	21-23, 42-81	18,804	1,319	5,295	12,190 i
Information	51	935	114	269	552
Publishing	511	747	87	217	444
Telecommunications	517	70 i	7 i	18 i	46 i
Data processing, hosting, and related services	518	102	20	35	47
Other information	other 51	16	0	0	16
Professional, scientific, and technical services	54	16,710	1,029	4,810	10,871 i
Architectural, engineering, and related services	5413	1,881	121 i	1,098	662 i
Computer systems design and related services	5415	1,915 i	18 i	909	988 i
Scientific research and development services	5417	12,433	844	2,692	8,898 i
Biotechnology research and development	541711	4,157 i	497	401	3,258 i
Physical, engineering, and life sciences (except biotechnology) research and development	541712	7,583	292	1,824	5,467 i
Social sciences and humanities research and development	541720	693	54 i	467 i	172 i
Other professional, scientific, and technical services	other 54	481	47 i	111	323
Other nonmanufacturing	21-23, 42-49, 52, 53, 55-81	1,159	176	216 i	768
All companies (number of domestic employees)	-	59,144	5,486	12,128	41,530
Micro companies ^a					
5-9	-	1,016 i	39 i	320 i	657 i
Small companies					
10-19	-	1,246 i	129 i	349	768 i
20-49	-	2,316 i	160 i	525 i	1,630 i
Medium companies					
50-99	-	2,706	118	399	2,189
100-249	-	2,566	365	576	1,625
Large companies					

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250–499	–	2,185	143	504	1,538	
500–999	–	2,023	i 207	i 467	1,349	i
1,000–4,999	–	9,830	1,646	2,790	5,394	
5,000–9,999	–	4,178	94	i 1,027	i 3,057	
10,000–24,999	–	10,878	771	i 1,325	8,782	
25,000 or more	–	20,201	1,814	i 3,847	14,540	i

* = amount < \$500,000; 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.