

TABLE 4-10

Sales and R&D intensity for companies that performed or funded R&D, by selected industry: 2017

(Millions of U.S. dollars, percent, and thousands of domestic employees)

Industry and NAICS code	Domestic net sales (US\$millions) ^a	R&D intensity (%) ^b	Domestic employment (thousands) ^c	
			Total	R&D ^d
All industries, 21–33, 42–81	9,682,692	4.1	19,893	1,609
Manufacturing industries, 31–33	5,423,997	4.7	9,919	916
Chemicals, 325	901,859	8.3	1,234	174
Pharmaceuticals and medicines, 3254	466,391	14.2	518	127
Other 325	435,468	2.0	716	47
Machinery, 333	323,082	4.1	839	85
Computer and electronic products, 334	697,118	11.3	1,200	258
Electrical equipment, appliances, and components, 335	113,434	3.8	291	29
Transportation equipment, 336	1,173,095	4.5	1,771	172
Automobiles, trailers, and parts, 3361–63	756,472	3.2	852	92
Aerospace products and parts, 3364	350,201	7.5	710	67
Other 336	66,422	4.6	209	13
Manufacturing nec, other 31–33	2,215,409	1.5	4,584	198
Nonmanufacturing industries, 21–23, 42–81	4,258,695	3.4	9,974	693
Information, 51	1,192,143	6.7	1,945	305
Software publishers, 5112	230,197	14.9	572	134
Other 51	961,946	4.8	1,373	171
Finance and insurance, 52	736,468	1.0	1,211	36
Professional, scientific, and technical services, 54	400,375	9.2	1,330	235
Computer systems design and related services, 5415	152,271	8.8	456	78
Scientific R&D services, 5417	69,134	25.1	283	86
Other 54	178,970	3.5	591	71
Nonmanufacturing nec, other 21–23, 42–81	1,929,709	0.9	5,488	117

NAICS = North American Industry Classification System; nec = not elsewhere classified.

^a Dollar values for goods sold or services rendered by R&D-performing or R&D-funding companies located in the United States to customers outside of the company, including the U.S. federal government, foreign customers, and the company's foreign subsidiaries. Included are revenues from a company's foreign operations and subsidiaries and from discontinued operations. If a respondent company is owned by a foreign parent company, sales to the parent company and to affiliates not owned by the respondent company are included. Excluded are intracompany transfers, returns, allowances, freight charges, and excise, sales, and other revenue-based taxes.

^b R&D intensity is the cost of domestic R&D paid for by the respondent company and others outside of the company and performed by the company divided by domestic net sales of companies that performed or funded R&D.

^c Data recorded on 12 March represent employment figures for the year.

^d Includes researchers, R&D managers, technicians, clerical staff, and others assigned to R&D groups.

Note(s)

Detail may not add to total because of rounding. Sales, R&D intensity, and total domestic employment statistics are representative of companies located in the United States that performed or funded R&D; R&D employment statistics are representative of companies located in the United States that performed R&D. Industry classification was 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. This table excludes data for federally funded R&D centers.

Source(s)

National Center for Science and Engineering Statistics, National Science Foundation, and U.S. Census Bureau, Business Research and Development Survey, 2017.