

Table 3**Sales, R&D, R&D intensity, and employment for companies that performed or funded business R&D in the United States, by selected industry and company size: 2019**

(Millions of dollars, percent R&D intensity, and thousands of employees)

Industry, NAICS code, and company size	Domestic net sales (\$millions) ^a	All R&D (\$millions) ^b	R&D intensity (%) ^c	Domestic employment (thousands) ^d	
				Total	R&D ^e
All industries, 21–33, 42–81	11,180,864	492,956	4.4	21,213	1,832
Manufacturing industries, 31–33	5,675,165	285,674	5.0	10,100	962
Chemicals, 325	1,161,526	97,063	8.4	1,451	186
Pharmaceuticals and medicines, 3254	536,020	87,619	16.3	648	139
Other 325	625,506	9,444	1.5	803	47
Machinery, 333	363,337	15,184	4.2	869	95
Computer and electronic products, 334	678,010	86,729	12.8	1,167	264
Electrical equipment, appliance, and components, 335	142,538	5,263	3.7	319	25
Transportation equipment, 336	1,164,905	45,375	3.9	1,835	183
Motor vehicles, bodies, trailers, and parts, 3361–63	805,202	24,117	3.0	1,040	108
Aerospace products and parts, 3364	280,327	18,358	6.5	612	61
Other 336	79,376	2,900	3.6	183	14
Manufacturing nec, other 31–33	2,164,849	36,060	1.7	4,459	209
Nonmanufacturing industries, 21–23, 42–81	5,505,700	207,283	3.8	11,113	870
Information, 51	1,435,124	110,227	7.7	2,107	359
Software publishers, 5112	186,003	32,958	17.7	355	109
Other 51	1,249,121	77,269	6.2	1,752	250
Finance and insurance, 52	1,568,443	8,917	0.6	1,795	54
Professional, scientific, and technical services, 54	486,234	53,233	10.9	1,421	299
Computer systems design and related services, 5415	197,389	21,046	10.7	482	99
Scientific research and development services, 5417	81,094	21,669	26.7	300	98
Other 54	207,751	10,518	5.0	639	102
Nonmanufacturing nec, other 21–23, 42–81	2,015,899	34,906	1.7	5,790	158
Size of company (number of domestic employees)					
Small companies ^f					
10–19	22,272	5,501	24.7	79	35
20–49	108,914	12,418	11.4	257	83
Medium companies					
50–99	120,557	14,021	11.6	356	85
100–249	267,171	19,793	7.4	719	127
Large companies					
250–499	300,032	18,883	6.3	760	105
500–999	371,248	23,969	6.5	859	100
1,000–4,999	1,475,601	75,671	5.1	2,854	305
5,000–9,999	1,141,851	50,811	4.4	1,677	182
10,000–24,999	2,115,325	88,263	4.2	3,518	267
25,000 or more	5,257,895	183,626	3.5	10,135	542

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

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

^a Dollar values are 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 All R&D is the cost of R&D paid for and performed by the respondent company and paid for by others outside of the company and performed by the respondent company.

^c 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.

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

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

^f Includes only companies with 10 or more domestic employees.

Note(s):

Detail may not add to total because of rounding. Beginning in survey year 2018, companies that performed or funded less than \$50,000 of R&D were excluded from tabulation. These companies in aggregate represented a very small share of total R&D expenditures in prior years. Had the companies under this threshold been included in the 2018 estimates, they would have contributed approximately \$90 million to overall R&D expenditures. Estimates of aggregate sales and total domestic employment would have been similarly affected. 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. Excludes data for federally funded research and development centers.

Source(s):

National Center for Science and Engineering Statistics and Census Bureau, Business Enterprise Research and Development Survey, 2019.