

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: 2020**

(Millions of dollars, percent, and number)

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	11,296,552	537,619	4.8	22,034	1,936
Manufacturing industries, 31–33	5,694,734	308,445	5.4	10,065	985
Chemicals, 325	1,117,545	101,079	9.0	1,459	193
Pharmaceuticals and medicines, 3254	551,305	91,776	16.6	606	146
Other 325	566,240	9,303	1.6	853	47
Machinery, 333	356,214	16,223	4.6	899	101
Computer and electronic products, 334	757,047	99,535	13.1	1,337	264
Electrical equipment, appliance, and components, 335	153,123	4,998	3.3	296	27
Transportation equipment, 336	917,847	48,796	5.3	1,638	174
Motor vehicles, bodies, trailers, and parts, 3361–63	578,503	23,121	4.0	832	101
Aerospace products and parts, 3364	268,261	22,914	8.5	636	62
Other 336	71,083	2,761	3.9	170	11
Manufacturing nec, other 31–33	2,392,958	37,814	1.6	4,436	226
Nonmanufacturing industries, 21–23, 42–81	5,601,818	229,174	4.1	11,970	952
Information, 51	1,653,526	129,463	7.8	2,244	422
Software publishers, 5112	251,461	34,965	13.9	447	113
Other 51	1,402,065	94,498	6.7	1,797	309
Finance and insurance, 52	1,447,133	12,296	0.8	1,751	66
Professional, scientific, and technical services, 54	417,867	54,367	13.0	1,308	300
Computer systems design and related services, 5415	167,910	17,935	10.7	428	94
Scientific research and development services, 5417	70,334	25,600	36.4	257	107
Other 54	179,623	10,832	6.0	623	99
Nonmanufacturing nec, other 21–23, 42–81	2,083,292	33,048	1.6	6,667	164
Size of company (number of domestic employees)					
Small companies ^f					
10–19	23,576	5,047	21.4	75	32
20–49	101,277	12,994	12.8	319	94
Medium companies					
50–99	128,409	12,993	10.1	394	89
100–249	406,650	25,411	6.2	789	145
Large companies					
250–499	299,155	20,878	7.0	750	112
500–999	411,894	21,264	5.2	910	96
1,000–4,999	1,517,137	88,238	5.8	2,899	327
5,000–9,999	1,177,564	48,397	4.1	1,815	169
10,000–24,999	2,071,049	88,567	4.3	3,345	277
25,000 or more	5,159,841	213,829	4.1	10,739	595

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, 2020.