

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: 2021**

(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 (headcounts in thousands) ^d	
				Total	R&D ^e
All industries, 21–33, 42–81	13,097,756	602,499	4.6	23,654	2,132
Manufacturing industries, 31–33	6,550,600	326,060	5.0	10,334	1,015
Chemicals, 325	1,309,684	109,490	8.4	1,392	201
Pharmaceuticals and medicines, 3254	624,341	100,220	16.1	638	157
Other 325	685,343	9,270	1.4	754	44
Machinery, 333	427,096	17,730	4.2	932	100
Computer and electronic products, 334	778,262	101,063	13.0	1,058	256
Electrical equipment, appliance, and components, 335	156,050	5,494	3.5	271	26
Transportation equipment, 336	1,014,159	50,760	5.0	1,863	196
Motor vehicles, bodies, trailers, and parts, 3361–63	623,254	26,391	4.2	889	108
Aerospace products and parts, 3364	311,988	21,468	6.9	794	75
Other 336	78,917	2,901	3.7	180	13
Manufacturing nec, other 31–33	2,865,349	41,523	1.4	4,818	236
Nonmanufacturing industries, 21–23, 42–81	6,547,157	276,439	4.2	13,320	1,117
Information, 51	1,703,835	147,855	8.7	2,186	449
Software publishers, 5112	303,134	39,049	12.9	454	125
Other 51	1,400,701	108,806	7.8	1,732	324
Finance and insurance, 52	1,537,769	20,947	1.4	1,729	87
Professional, scientific, and technical services, 54	483,784	66,496	13.7	1,530	343
Computer systems design and related services, 5415	199,429	20,409	10.2	540	102
Scientific research and development services, 5417	82,907	34,142	41.2	277	130
Other 54	201,448	11,945	5.9	713	111
Nonmanufacturing nec, other 21–23, 42–81	2,821,769	41,141	1.5	7,875	238
Size of company (number of domestic employees)					
Small companies ^f					
10–19	35,815	5,477	15.3	85	36
20–49	104,550	15,061	14.4	298	99
Medium companies					
50–99	146,296	14,540	9.9	418	92
100–249	381,256	24,023	6.3	886	157
Large companies					
250–499	371,747	23,932	6.4	741	110
500–999	499,161	27,432	5.5	926	110
1,000–4,999	2,000,807	94,615	4.7	3,148	340
5,000–9,999	1,536,766	62,817	4.1	1,933	211
10,000–24,999	2,240,551	104,607	4.7	3,260	309
25,000 or more	5,780,807	229,995	4.0	11,959	668

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 Headcounts of 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. 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.

Source(s):

National Center for Science and Engineering Statistics and Census Bureau, Business Enterprise Research and Development Survey, 2021.