

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: 2022**

(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	14,184,308	691,547	4.9	24,092	2,110
Manufacturing industries, 31–33	7,322,263	372,459	5.1	10,251	1,008
Chemicals, 325	1,493,442	125,728	8.4	1,446	217
Pharmaceuticals and medicines, 3254	685,744	116,073	16.9	664	172
Other 325	807,698	9,655	1.2	782	45
Machinery, 333	520,724	19,464	3.7	941	105
Computer and electronic products, 334	734,451	104,718	14.3	1,033	245
Communication equipment, 3342	94,162	11,665	12.4	131	36
Semiconductor and other electronic products, 3344	209,620	49,330	23.5	311	93
Other 334	430,669	43,723	10.2	591	116
Electrical equipment, appliance, and components, 335	190,989	7,086	3.7	373	27
Transportation equipment, 336	1,377,381	71,259	5.2	1,856	195
Motor vehicles, bodies, trailers, and parts, 3361–63	934,230	32,881	3.5	896	110
Aerospace products and parts, 3364	356,684	35,356	9.9	766	71
Other 336	86,467	3,022	3.5	194	14
Manufacturing nec, other 31–33	3,005,276	44,204	1.5	4,602	219
Nonmanufacturing industries, 21–23, 42–81	6,862,045	319,088	4.7	13,840	1,102
Information, 51	1,852,965	182,340	9.8	2,394	489
Software publishers, 5112	367,970	50,295	13.7	475	144
Other 51	1,484,995	132,045	8.9	1,919	345
Finance and insurance, 52	1,250,350	17,222	1.4	1,310	52
Professional, scientific, and technical services, 54	561,046	74,773	13.3	1,646	376
Computer systems design and related services, 5415	186,067	22,534	12.1	525	111
Scientific research and development services, 5417	136,566	39,625	29.0	406	149
Other 54	238,413	12,614	5.3	715	116
Nonmanufacturing nec, other 21–23, 42–81	3,197,684	44,753	1.4	8,490	185
Size of company (number of domestic employees)					
Small companies					
10–19 ^f	41,616	5,277	12.7	86	34
20–49	113,186	14,695	13.0	267	89
Medium companies					
50–99	179,757	15,265	8.5	366	87
100–249	384,889	27,847	7.2	808	143
Large companies					
250–499	366,007	29,549	8.1	768	123
500–999	573,879	31,802	5.5	993	131
1,000–4,999	2,052,262	104,505	5.1	3,159	348
5,000–9,999	1,590,874	58,709	3.7	1,909	181
10,000–24,999	2,883,419	121,142	4.2	3,373	338
25,000 or more	5,998,417	282,756	4.7	12,363	636
Size of company by group (number of domestic employees)					
Small ^f and medium companies					
10–249	719,448	63,084	8.8	1,527	353
Larger companies					
250–24,999	7,466,441	345,707	4.6	10,202	1,121
Largest companies					

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				Total	R&D ^e
25,000 or more	5,998,417	282,756	4.7	12,363	636

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 The Business Enterprise Research and Development Survey does not include companies with fewer than 10 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, 2022.