

Table RD-6

**Domestic net sales, R&D, and R&D-to-sales ratio for companies that performed or funded U.S. business R&D, by selected industry: 2021**

(Millions of dollars and percent)

Industry, NAICS code	Domestic net sales <sup>a</sup>	Domestic R&D <sup>b</sup>	R&D-to-sales ratio (%)
All industries, 21–33, 42–81	13,097,756	602,499	4.6
Manufacturing industries, 31–33	6,550,600	326,060	5.0
Chemicals, 325	1,309,684	109,490	8.4
Pharmaceuticals and medicines, 3254	624,341	100,220	16.1
Machinery, 333	427,096	17,730	4.2
Computer and electronic products, 334	778,262	101,063	13.0
Semiconductor and other electronic components, 3344	232,353	47,396	20.4
Electrical equipment, appliance, and components, 335	156,050	5,494	3.5
Transportation equipment, 336	1,014,159	50,760	5.0
Motor vehicles, bodies, trailers, and parts, 3361–63	623,254	26,391	4.2
Aerospace products and parts, 3364	311,988	21,468	6.9
Nonmanufacturing industries, 21–23, 42–81	6,547,157	276,439	4.2
Information, 51	1,703,835	147,855	8.7
Software publishers, 5112	303,134	39,049	12.9
Data processing, hosting, and related services, 518	562,172	45,192	8.0
Finance and insurance, 52	1,537,769	20,947	1.4
Professional, scientific, and technical services, 54	483,784	66,496	13.7
Computer systems design and related services, 5415	199,429	20,409	10.2
Scientific R&D services, 5417	82,907	34,142	41.2

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

NAICS = 2017 North American Industry Classification System.

<sup>a</sup> 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.

<sup>b</sup> Domestic 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.

**Note(s):**

Data are for companies with 10 or more domestic employees. 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 (BERD) Survey, 2021.

*Science and Engineering Indicators*