

TABLE A-9

Unit response rates, by industry and company size: 2022

(Number and percent)

Industry and company size	NAICS code	Active reporting units ^a	Reporting units that met the response criteria ^b		Reporting units that met the response criteria and reported domestic R&D paid for by the company and others and performed by the company of \$1 million or more	
			Number	Percent	Number	Percent
All industries	21–23, 31–33, 42–81	42,500	28,500	67	8,000	19
Manufacturing industries	31–33	17,000	12,000	71	4,200	25
Food	311	1,100	750	68	250	23
Beverage and tobacco products	312	350	250	71	40	11
Textile, apparel, and leather products	313–16	500	300	60	60	12
Wood products	321	550	350	64	20	4
Paper	322	350	200	57	40	11
Printing and related support activities	323	750	500	67	20	3
Petroleum and coal products	324	150	90	60	30	20
Chemicals	325	2,200	1,700	77	1,100	50
Basic chemicals	3251	250	200	80	100	40
Resin, synthetic rubber, and artificial synthetic fibers and filaments	3252	200	150	75	60	30
Pesticide, fertilizer, and other agricultural chemicals	3253	150	90	60	30	20
Pharmaceuticals and medicines	3254	1,100	850	77	750	68
Soap, cleaning compound, and toilet preparations	3256	250	150	60	60	24
Paint, coating, adhesive, and other chemicals	3255, 3259	300	250	83	90	30
Plastics and rubber products	326	950	650	68	200	21
Nonmetallic mineral products	327	500	300	60	40	8
Primary metals	331	450	300	67	60	13
Fabricated metal products	332	2,100	1,500	71	300	14
Machinery	333	1,800	1,300	72	500	28
Agricultural implement	33311	200	150	75	50	25
Semiconductor machinery	333242	50	40	80	30	60
Engine, turbine, and power transmission equipment	3336	150	100	67	40	27
Other machinery	other 333	1,500	1,100	73	400	27
Computer and electronic products	334	1,600	1,100	69	650	41
Communications equipment	3342	200	150	75	100	50
Semiconductor and other electronic components	3344	450	350	78	200	44
Navigational, measuring, electromedical, and control instruments	3345	700	450	64	250	36
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	200	100	50	80	40

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Search, detection, navigation, guidance, aeronautical, and nautical system and instruments	334511	150	90	60	50	33
Other measuring and controlling devices	other 3345	400	250	63	150	38
Other computer and electronic products	other 334	200	150	75	70	35
Electrical equipment, appliances, and components	335	550	400	73	200	36
Transportation equipment	336	1,200	800	67	350	29
Motor vehicles, bodies, trailers, and parts	3361-63	650	450	69	200	31
Aerospace products and parts	3364	300	200	67	100	33
Aircraft, aircraft engine, and aircraft parts	336411-13	250	150	60	80	32
Guided missile, space vehicle, and related parts	336414-15, 336419	50	40	80	20	40
Military armored vehicle, tank, and tank components	336992	<i>N < 15</i>	<i>N < 15</i>	<i>N < 15</i>	<i>N < 15</i>	<i>N < 15</i>
Other transportation	other 336	200	150	75	50	25
Furniture and related products	337	750	500	67	40	5
Miscellaneous	339	1,300	950	73	400	31
Medical equipment and supplies	3391	600	500	83	250	42
Other miscellaneous manufacturing	3399	650	450	69	150	23
Nonmanufacturing industries	21-23, 42-81	25,500	17,000	67	3,800	15
Mining, quarrying, oil and gas extraction, and support activities	21	500	300	60	30	6
Utilities	22	150	100	67	20	13
Wholesale trade	42	4,900	3,200	65	150	3
Electronic shopping and electronic auctions	454111-12	400	200	50	30	8
Transportation and warehousing	48-49	500	300	60	40	8
Information	51	3,400	2,300	68	1,300	38
Publishing	511	1,200	750	63	300	25
Newspaper, periodical, book, and directory publishers	5111	300	200	67	<i>N < 15</i>	<i>N < 15</i>
Software publishers	5112	900	550	61	300	33
Telecommunications	517	400	250	63	60	15
Data processing, hosting, and related services	518	1,300	1,000	77	800	62
Other information	other 51	500	300	60	90	18
Finance and insurance	52	950	700	74	100	11
Real estate and rental and leasing	53	400	200	50	20	5

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Lessors of nonfinancial intangible assets (except copyrighted works)	533	60	30	50	<i>N < 15</i>	<i>0</i>
Other real estate and rental and leasing	other 53	350	200	57	20	6
Professional, scientific, and technical services	54	9,000	6,200	69	1,800	20
Architectural, engineering, and related services	5413	2,600	2,000	77	350	13
Computer systems design and related services	5415	2,700	1,700	63	500	19
Scientific research and development services	5417	2,200	1,400	64	750	34
Research and development in nanotechnology	541713	150	90	60	40	27
Research and development in biotechnology (except nanobiotechnology)	541714	550	300	55	200	36
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	1,400	950	68	500	36
Research and development in the social sciences and humanities	541720	150	100	67	<i>N < 15</i>	<i>N < 15</i>
Other professional, scientific, and technical services	other 54	1,500	1,100	73	250	17
Health care services	621–23	1,600	900	56	80	5
Other nonmanufacturing	23, 44–45 (excluding 454111–12), 55–56, 624, 71–72, 81	3,700	2,400	65	250	7
All companies (number of domestic employees)	–	42,500	28,500	67	8,000	19
Small companies						
10–19 ^c	–	7,500	5,000	67	600	8
20–49	–	10,000	6,900	69	1,300	13
Medium companies						
50–99	–	6,800	4,800	71	1,100	16
100–249	–	7,300	4,900	67	1,600	22
Large companies						
250–499	–	3,900	2,600	67	1,100	28
500–999	–	2,900	1,800	62	800	28
1,000–4,999	–	2,900	1,900	66	1,000	34
5,000–9,999	–	500	350	70	200	40
10,000–24,999	–	350	300	86	200	57
25,000 or more	–	200	150	75	100	50

NAICS = 2017 North American Industry Classification System.

^a Active reporting units are defined as reporting units of active companies that are in the scope of the survey (for-profit companies with locations in the United States, 10 or more employees, business activities in the survey year, and primary business activities in the NAICS codes listed above) after all of the data have been processed. Because of special handling requests made by company respondents, some sampled companies were mailed more than one form. A company having multiple reporting parts for data collection may contribute to the statistics for multiple industries, so detail may not add to total for number of companies.

^b Reporting units were considered to have fulfilled the response criteria if they reported that they performed or funded R&D. If not, a reporting unit fulfilled the response criteria if it reported a value for worldwide sales or domestic sales, or if it reported a positive value for paid worldwide employees or paid domestic employees.

^c The Business Enterprise Research and Development Survey does not include companies with fewer than 10 domestic employees.

Note(s):

Beginning in survey year 2019, these counts and percentages reflect a change in rounding methodology. Detail may not add to total because of rounding.

Source(s):

National Center for Science and Engineering Statistics and Census Bureau, Business Enterprise Research and Development Survey, 2022.