

TABLE A-9

Unit response rates, by industry and company size: 2021

(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	44,000	30,500	69	7,800	18
Manufacturing industries	31–33	18,500	13,000	70	4,200	23
Food	311	1,200	800	67	200	17
Beverage and tobacco products	312	400	300	75	40	10
Textile, apparel, and leather products	313–16	550	350	64	60	11
Wood products	321	650	450	69	30	5
Paper	322	400	250	63	40	10
Printing and related support activities	323	900	600	67	20	2
Petroleum and coal products	324	150	100	67	30	20
Chemicals	325	2,300	1,700	74	1,000	43
Basic chemicals	3251	300	200	67	100	33
Resin, synthetic rubber, and artificial synthetic fibers and filaments	3252	200	150	75	60	30
Pesticide, fertilizer, and other agricultural chemicals	3253	150	100	67	30	20
Pharmaceuticals and medicines	3254	1,100	850	77	700	64
Soap, cleaning compound, and toilet preparation	3256	250	150	60	50	20
Paint, coating, adhesive, and other chemicals	3255, 3259	350	250	71	90	26
Plastics and rubber products	326	1,000	700	70	200	20
Nonmetallic mineral products	327	550	400	73	50	9
Primary metals	331	450	300	67	60	13
Fabricated metal products	332	2,300	1,700	74	300	13
Machinery	333	2,000	1,400	70	550	28
Agricultural implement	33311	200	150	75	50	25
Semiconductor machinery	333242	60	50	83	30	50
Engine, turbine, and power transmission equipment	3336	150	100	67	40	27
Other machinery	other 333	1,600	1,200	75	400	25
Computer and electronic products	334	1,700	1,200	71	650	38
Communications equipment	3342	200	150	75	80	40
Semiconductor and other electronic components	3344	500	350	70	200	40

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Navigational, measuring, electromedical, and control instruments	3345	800	550	69	300	38
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	200	100	50	70	35
Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments	334511	150	100	67	40	27
Other measuring and controlling devices	other 3345	450	350	78	150	33
Other computer and electronic products	other 334	200	100	50	80	40
Electrical equipment, appliances, and components	335	600	400	67	150	25
Transportation equipment	336	1,300	900	69	350	27
Motor vehicles, bodies, trailers, and parts	3361-63	700	500	71	200	29
Aerospace products and parts	3364	300	200	67	100	33
Aircraft, aircraft engine, and aircraft parts	336411-13	250	200	80	100	40
Guided missile, space vehicle, and related parts	336414-15, 336419	40	30	75	20	50
Military armored vehicle, tank, and tank component	336992	20	D	D	D	D
Other transportation equipment	other 336	250	150	60	40	16
Furniture and related products	337	800	550	69	40	5
Miscellaneous manufacturing	339	1,300	1,000	77	400	31
Medical equipment and supplies	3391	600	450	75	250	42
Other miscellaneous	3399	750	550	73	150	20
Nonmanufacturing industries	21-23, 42-81	25,500	17,000	67	3,600	14
Mining, extraction, and support activities	21	500	350	70	40	8
Utilities	22	150	150	100	30	20
Wholesale trade	42	5,000	3,400	68	150	3
Electronic shopping and electronic auctions	454111-12	450	250	56	20	4
Transportation and warehousing	48-49	600	350	58	40	7
Information	51	3,500	2,400	69	1,200	34
Publishing	511	1,200	750	63	300	25
Newspaper, periodical, book, and directory publishers	5111	300	200	67	D	D
Software publishers	5112	900	550	61	300	33
Telecommunications	517	450	300	67	60	13

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Data processing, hosting, and related services	518	1,300	1,000	77	750	58
Other information	other 51	500	350	70	90	18
Finance and insurance	52	1,000	750	75	150	15
Real estate and rental and leasing	53	450	250	56	20	4
Lessors of nonfinancial intangible assets (except copyrighted works)	533	70	40	57	D	D
Other real estate and rental and leasing	other 53	350	200	57	D	D
Professional, scientific, and technical services	54	8,900	5,900	66	1,700	19
Architectural, engineering, and related services	5413	2,600	1,900	73	350	13
Computer systems design and related services	5415	2,600	1,600	62	450	17
Scientific research and development services	5417	2,100	1,300	62	650	31
Research and development in nanotechnology	541713	150	70	47	30	20
Research and development in biotechnology (except nanobiotechnology)	541714	500	250	50	150	30
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	1,300	850	65	450	35
Research and development in the social sciences and humanities	541720	150	100	67	D	D
Other professional, scientific, and technical services	other 54	1,600	1,100	69	250	16
Health care services	621-23	1,700	1,000	59	70	4
Other nonmanufacturing	23, 44-45 (excluding 454111-12), 55-56, 624, 71-72, 81	3,500	2,400	69	200	6
All companies (number of domestic employees)	-	44,000	30,500	69	7,800	18
Small companies						
10-19 ^c	-	8,200	5,800	71	600	7
20-49	-	10,500	7,600	72	1,300	12
Medium companies						
50-99	-	6,900	4,800	70	1,100	16
100-249	-	7,500	5,100	68	1,600	21
Large companies						
250-499	-	4,000	2,600	65	1,000	25
500-999	-	3,000	1,900	63	750	25

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			Number	Percent	Number	Percent
1,000–4,999	–	2,800	1,800	64	950	34
5,000–9,999	–	500	350	70	200	40
10,000–24,999	–	350	250	71	150	43
25,000 or more	–	200	150	75	100	50

D = suppressed to ensure confidentiality of individual companies.

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, 2021.