

Table A-2. Companies in the target population and selected for the sample, by industry and company size: 2024

(Number of companies)

Industry and company size	NAICS code	Companies in target population ^a	Companies selected for the sample		
			All companies	Noncertainties	Certainties
All industries	21–23, 31–33, 42–81	1,171,000	45,500	21,500	24,000
Manufacturing industries	31–33	94,000	17,000	8,100	9,100
Food	311	10,000	1,100	600	500
Beverage and tobacco products	312	4,500	450	300	150
Textile, apparel, and leather products	313–16	3,300	500	300	200
Wood products	321	4,700	550	400	150
Paper	322	1,300	300	150	150
Printing and related support activities	323	5,300	800	500	300
Petroleum and coal products ^b	324	300	150	<i>N < 15</i>	150
Chemicals	325	5,400	2,100	450	1,700
Basic chemicals	3251	700	250	60	200
Resin, synthetic rubber, and artificial synthetic fibers and filaments	3252	550	200	70	150
Pesticide, fertilizer, and other agricultural chemicals	3253	350	100	20	100
Pharmaceuticals and medicines	3254	1,800	1,100	100	950
Soap, cleaning compound, and toilet preparations	3256	800	200	80	100
Paint, coating, adhesive, and other chemicals	3255, 3259	1,200	300	150	150
Plastics and rubber products	326	4,400	900	450	450
Nonmetallic mineral products	327	3,800	450	300	200
Primary metals	331	1,500	400	200	200
Fabricated metal products	332	19,000	2,100	1,300	800
Machinery	333	8,700	1,900	950	950
Agricultural implement	33311	550	200	40	150
Semiconductor machinery	333242	80	70	0	70
Engine, turbine, and power transmission equipment	3336	350	150	20	100
Other machinery	other 333	7,700	1,500	900	600
Computer and electronic products	334	4,400	1,600	450	1,200
Communications equipment	3342	550	250	40	200
Semiconductor and other electronic components	3344	1,600	450	150	300
Navigational, measuring, electromedical, and control instruments	3345	1,700	700	200	500
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	300	200	30	150
Search, detection, navigation, guidance, aeronautical, and nautical system and instruments	334511	200	150	<i>N < 15</i>	150
Other measuring and controlling devices	other 3345	1,200	400	200	200
Other computer and electronic products	other 334	500	200	30	150
Electrical equipment, appliances, and components	335	2,200	550	300	300
Transportation equipment	336	4,700	1,200	400	800
Motor vehicles, bodies, trailers, and parts	3361–63	3,000	650	200	400

Table A-2. Companies in the target population and selected for the sample, by industry and company size: 2024

(Number of companies)

Industry and company size	NAICS code	Companies in target population ^a	Companies selected for the sample		
			All companies	Noncertainties	Certainties
Aerospace products and parts	3364	800	300	70	200
Aircraft, aircraft engine, and aircraft parts	336411–13	750	250	70	150
Guided missile, space vehicle, and related parts	336414, 336415, 336419	60	60	0	60
Military armored vehicle, tank, and tank components	336992	30	30	0	30
Other transportation	other 336	900	250	100	100
Furniture and related products	337	4,200	750	450	300
Miscellaneous	339	6,200	1,300	600	700
Medical equipment and supplies	3391	2,300	650	250	400
Other miscellaneous manufacturing	3399	4,000	700	400	300
Unclassified	–	100	60	<i>N < 15</i>	50
Nonmanufacturing industries	21–23, 42–81	1,074,000	25,500	13,500	12,000
Mining, quarrying, oil and gas extraction, and support activities	21	4,800	500	250	250
Utilities	22	950	200	40	150
Wholesale trade	42	61,500	4,900	3,300	1,600
Electronic shopping and electronic auctions	454111–12	5,900	500	350	150
Transportation and warehousing	48–49	38,500	650	150	500
Information	51	15,500	3,600	1,100	2,400
Publishing	511	5,200	1,300	450	850
Newspaper, periodical, book, and directory publishers	5111	1,900	250	150	100
Software publishers	5112	3,300	1,100	300	750
Telecommunications	517	2,400	400	200	200
Data processing, hosting, and related services	518	3,700	1,400	250	1,100
Other information	other 51	4,400	450	200	250
Finance and insurance	52	24,500	1,100	150	950
Real estate and rental and leasing	53	25,500	500	150	350
Lessors of nonfinancial intangible assets (except copyrighted works)	533	450	70	<i>N < 15</i>	70
Other real estate and rental and leasing	other 53	25,000	400	150	300
Professional, scientific, and technical services	54	103,000	7,500	3,900	3,500
Architectural, engineering, and related services	5413	17,500	2,400	1,300	1,100
Computer systems design and related services	5415	17,500	3,200	2,000	1,200
Scientific research and development services	5417	2,800	2,800	0	2,800
Research and development in nanotechnology	541713	150	150	0	150
Research and development in biotechnology (except nanobiotechnology)	541714	850	850	0	850
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	1,600	1,600	0	1,600
Research and development in the social sciences and humanities	541720	200	200	0	200

Table A-2. Companies in the target population and selected for the sample, by industry and company size: 2024

(Number of companies)

Industry and company size	NAICS code	Companies in target population ^a	Companies selected for the sample		
			All companies	Noncertainties	Certainties
Other professional, scientific, and technical services ^c	other 54	68,000	1,900	650	1,200
Health care services	621–23	122,000	1,900	600	1,300
Other nonmanufacturing	23, 44–45 (excluding 454111–12), 55–56, 624, 71–72, 81	672,000	4,200	3,400	850
Unclassified	–	250	150	<i>N < 15</i>	100
Company size (number of domestic employees)					
All companies	–	1,171,000	45,500	21,500	24,000
< 10 ^d	–	10,500	450	200	250
10–19	–	578,000	10,000	7,800	2,400
20–49	–	374,000	9,500	6,300	3,200
50–99	–	114,000	6,000	3,300	2,700
100–249	–	59,500	7,000	2,800	4,200
250–499	–	17,500	3,800	900	2,900
500–999	–	8,500	3,900	60	3,800
1,000–4,999	–	6,900	3,400	60	3,400
5,000–9,999	–	950	600	<i>N < 15</i>	600
10,000–24,999	–	600	400	<i>N < 15</i>	400
25,000 or more	–	350	250	<i>N < 15</i>	250

NAICS = 2017 North American Industry Classification System.

^a Estimates of the number of companies in the target population are based on the original sampling frame that was created to select the 2024 Business Enterprise Research and Development (BERD) Survey sample. These estimates do not include 150 R&D performers from the previous year’s sample, which were not on the original sampling frame but were found during the survey’s annual contact update procedures. These companies were added to the 2024 sample with certainty but are not reflected in the number of certainties selected for the sample.

^b Because of the widespread practice of the larger petroleum extraction and refining companies vertically integrating their activities, petroleum refineries (NAICS 32411) and oil and gas extraction (NAICS 211) were combined during sampling.

^c Contains companies classified in scientific research and development services (NAICS 5417) that, as of sampling, were not fully classified to the level of detail in research and development in nanotechnology (NAICS 541713), research and development in biotechnology (except nanobiotechnology) (NAICS 541714), research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology) (NAICS 541715), or research and development in the social sciences and humanities (NAICS 541720).

^d This category includes companies that are represented on the sampling frame as having missing data, but these companies are in scope to the BERD Survey because they have at least \$500,000 in annual payroll.

Note(s):
Beginning in survey year 2019, counts reflect a change in rounding methodology. Detail may not add to total because of rounding. Certainties are companies whose probability of selection is 1 based on prior year R&D expenditures equal to or greater than \$3 million as well as others included in the sample for analytical purposes (analytical certainties). Noncertainties are companies whose probability of selection is less than 1. Companies that were missing or had an incomplete NAICS code at the time of sampling were assigned to an unclassified industry category temporarily. If an unclassified company reported R&D expenditures, its primary industrial activity was investigated, and a NAICS code was assigned during statistical processing.

Source(s):
National Center for Science and Engineering Statistics and Census Bureau, Business Enterprise Research and Development Survey, 2024.