

TABLE A-1

**Companies in the sampling frame and selected for the sample, by industry: 2022**

(Number of companies)

Industry	NAICS code	Companies in sampling frame	Companies selected for the sample		
			All companies	Noncertainties	Certainties
All industries	11, 21-23, 31-33, 42-81, 00	5,614,000	850,000	666,000	184,000
Manufacturing industries	31-33	229,000	84,500	53,000	31,500
Food	311	22,500	7,500	4,900	2,500
Beverage and tobacco products	312	10,500	4,400	3,300	1,100
Textile, apparel, and leather products	313-16	11,500	5,500	3,700	1,800
Wood products	321	11,000	4,400	3,100	1,300
Paper	322	2,100	1,300	650	600
Printing and related support activities	323	20,500	6,400	4,600	1,800
Petroleum and coal products	324	650	500	300	200
Chemicals	325	9,300	4,900	2,500	2,500
Pesticide, fertilizer, and other agricultural chemicals	3253	650	300	150	150
Pharmaceuticals and medicines	3254	2,000	1,400	700	650
Soap, cleaning compound, and toilet preparation	3256	2,000	1,000	650	400
Other chemicals	other 325	4,600	2,200	1,000	1,200
Plastics and rubber products	326	7,800	3,500	1,900	1,600
Nonmetallic mineral products	327	8,200	3,600	2,400	1,200
Primary metals	331	2,700	1,500	750	750
Fabricated metal products	332	46,000	11,000	6,900	3,900
Machinery	333	18,000	6,000	3,200	2,800
Computer and electronic products	334	9,200	5,100	2,400	2,600
Communications equipment	3342	950	550	250	300
Semiconductor and other electronic components	3344	2,900	1,500	750	750
Navigational, measuring, electromedical, and control instruments	3345	3,900	2,200	950	1,200
Other computer and electronic products	other 334	1,500	800	450	350
Electrical equipment, appliances, and components	335	4,100	2,100	1,100	950
Transportation equipment	336	8,500	4,100	2,300	1,800
Automobiles, bodies, trailers, and parts	3361-63	5,200	2,400	1,300	1,100
Aerospace products and parts	3364	1,200	800	400	400
Other transportation	other 336	2,100	950	550	350
Furniture and related products	337	13,000	5,000	3,500	1,500
Miscellaneous	339	21,500	7,300	5,000	2,300
Medical equipment and supplies	3391	7,800	2,700	1,800	950
Other miscellaneous manufacturing	3399	13,500	4,500	3,200	1,300
Nonmanufacturing industries	11, 21-23, 42-81	5,361,000	757,000	605,000	152,000
Agriculture, forestry, fishing, and hunting	11	25,500	8,300	6,900	1,500
Mining, extraction, and support activities	21	16,000	5,800	4,100	1,700
Utilities	22	3,500	1,800	1,200	550
Construction	23	733,000	75,000	62,500	12,500
Wholesale trade	42	264,000	46,000	31,500	14,500
Retail trade	44-45	613,000	131,000	108,000	22,500
Transportation and warehousing	48-49	211,000	46,000	35,500	10,000
Information	51	77,500	28,000	18,500	9,500
Publishing	511	20,500	8,000	4,800	3,200

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			All companies	Noncertainties	Certainties
Newspaper, periodical, book, and directory publishers	5111	8,900	3,200	2,400	800
Software publishers	5112	11,000	4,700	2,300	2,400
Telecommunications	517	11,000	4,300	2,900	1,400
Data processing, hosting, and related services	518	9,500	4,300	2,500	1,800
Other information	other 51	36,500	11,500	8,500	3,100
Finance and insurance	52	228,000	40,500	32,500	8,000
Real estate and rental and leasing	53	340,000	41,000	33,500	7,400
Lessors of nonfinancial intangible assets (except copyrighted works)	533	2,200	1,300	950	400
Other real estate and rental and leasing	other 53	338,000	39,500	32,500	7,000
Professional, scientific, and technical services	54	812,000	97,000	71,500	26,000
Legal services	5411	163,000	12,500	10,500	2,100
Accounting, tax preparation, bookkeeping, and payroll services	5412	115,000	8,600	7,600	1,000
Architectural, engineering, and related services	5413	90,500	18,500	12,500	6,200
Specialized design services	5414	33,500	2,300	2,100	200
Computer systems design and related services	5415	117,000	18,500	12,000	6,200
Management, scientific, and technical consulting services	5416	181,000	14,500	12,000	2,800
Scientific research and development services	5417	14,000	8,200	3,500	4,700
Advertising, public relations, and related services	5418	32,000	8,700	6,800	1,900
Other professional, scientific, and technical services	5419	65,500	5,000	4,200	750
Management of companies and enterprises	55	4,200	2,300	1,800	550
Administrative and support and waste management and remediation services	56	344,000	42,000	34,000	8,000
Educational services	61	65,500	13,500	11,000	2,400
Health care and social assistance	62	590,000	60,500	50,000	10,500
Health care services	621-23	500,000	47,000	39,000	8,200
Social assistance	624	87,500	13,500	11,000	2,400
Arts, entertainment, and recreation	71	111,000	25,000	20,500	4,300
Accommodation and food services	72	528,000	47,500	40,500	6,500
Other services	81	394,000	46,500	41,000	5,400
Unclassified	00	24,000	9,100	8,300	850

NAICS = 2017 North American Industry Classification System.

**Note(s):**

Certainties were companies with a probability of selection of one because they had previously reported R&D costs, had 500 or more employees, were in the Business Enterprise Research and Development Survey sample, or had high payroll or receipts defined by stratum specific cutoffs. Noncertainties are companies with a probability of selection of less than 1.

**Source(s):**

National Center for Science and Engineering Statistics and Census Bureau, 2023 Annual Business Survey: Data Year 2022.