

TABLE A-2. Companies in the target population and selected for the sample, by industry and company size: 2013

Industry and company size	NAICS code	Companies in target	Companies selected for the sample		
		population ^a	All companies	Noncertainties	Certainties
All industries	21-23, 31-33, 42-81	1,971,959	45,089	24,657	20,432
Manufacturing industries	31-33	145,925	19,294	9,882	9,412
Food	311	12,470	1,042	535	507
Beverage and tobacco products	312	2,265	281	162	119
Textile, apparel, and leather products	313-16	7,030	742	432	310
Wood products	321	6,889	668	428	240
Paper	322	2,038	475	270	205
Printing and related support activities	323	11,842	844	556	288
Petroleum and coal products ^b	324	514	175	41	134
Chemicals	325	6,290	1,963	755	1,208
Basic chemicals	3251	937	341	137	204
Resin, synthetic rubber, and artificial synthetic fibers and filaments	3252	612	226	81	145
Pesticide, fertilizer, and other agricultural chemicals	3253	380	110	28	82
Pharmaceuticals and medicines	3254	1,387	447	46	401
Soap, cleaning compound, and toilet preparation	3256	1,138	279	152	127
Paint, coating, adhesive, and other chemicals	3255, 3259	1,836	560	311	249
Plastics and rubber products	326	6,751	1,135	587	548
Nonmetallic mineral products	327	5,658	626	363	263
Primary metals	331	2,516	536	248	288
Fabricated metal products	332	31,240	2,136	1,189	947
Machinery	333	13,816	1,989	957	1,032
Agricultural implements	33311	767	219	96	123
Semiconductor machinery	333295	141	76	17	59
Engine, turbine, and power transmission equipment	3336	556	141	48	93
Other machinery	other 333	12,352	1,553	796	757
Computer and electronic products	334	7,440	2,065	865	1,200
Communications equipment	3342	891	297	107	190
Semiconductor and other electronic components	3344	2,679	572	238	334
Navigational, measuring, electromedical, and control instruments	3345	2,720	874	370	504
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	421	148	43	105
Search, detection, navigation, guidance, aeronautical, and nautical system and instrument	334511	333	113	17	96
Other measuring and controlling devices	other 3345	1,966	613	310	303
Other computer and electronic products	other 334	1,150	322	150	172
Electrical equipment, appliances, and components	335	3,262	815	423	392
Transportation equipment	336	6,194	1,185	503	682
Motor vehicles, bodies, trailers, and parts	3361-63	3,916	608	261	347
Aerospace products and parts	3364	968	272	94	178
Aircraft, aircraft engine, and aircraft parts	336411-13	907	228	94	134
Guided missile, space vehicle, and related parts	336414, 336415, 336419	61	44	0	44
Military armored vehicle, tank, and tank components	336992	41	26	0	26
Other transportation equipment	other 336	1,269	279	148	131
Furniture and related products	337	7,218	766	487	279
Miscellaneous manufacturing	339	12,009	1,718	1,005	713

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Medical equipment and supplies	3391	4,460	780	436	344
Other miscellaneous manufacturing	3399	7,549	938	569	369
Unclassified	–	483	133	76	57
Nonmanufacturing industries	21–23, 42–81	1,826,034	25,795	14,775	11,020
Mining, extraction, and support activities ^b	21	9,578	759	433	326
Utilities	22	1,261	231	57	174
Wholesale trade	42	130,100	2,877	1,902	975
Electronic shopping and electronic auctions	454111–12	4,798	399	271	128
Transportation and warehousing	48–49	55,361	668	275	393
Information	51	26,097	2,823	1,461	1,362
Publishing	511	8,833	1,168	547	621
Newspaper, periodical, book, and directory publishers	5111	5,781	470	291	179
Software publishers	5112	3,052	698	256	442
Telecommunications	517	3,677	434	276	158
Data processing, hosting, and related services	518	3,677	703	327	376
Other information	other 51	9,910	518	311	207
Finance and insurance	52	64,684	1,114	492	622
Real estate and rental and leasing	53	56,014	599	270	329
Lessors of nonfinancial intangible assets (except copyrighted works)	533	858	92	6	86
Other real estate and rental and leasing	other 53	55,156	507	264	243
Professional, scientific, and technical services	54	218,488	9,070	3,648	5,422
Architectural, engineering, and related services	5413	31,920	1,522	673	849
Computer systems design and related services	5415	29,724	2,250	1,147	1,103
Scientific research and development services	5417	4,655	2,888	534	2,354
Biotechnology research and development	541711	1,362	950	189	761
Physical, engineering, and life sciences (except biotechnology) research and development	541712	2,968	1,672	319	1,353
Social sciences and humanities research and development	541720	325	266	26	240
Other professional, scientific, and technical services	other 54	152,189	2,410	1,294	1,116
Health care services	621–23	245,845	1,793	1,171	622
Other nonmanufacturing	23, 44–45 (excluding 454111–12), 55–56, 624, 71–72, 81	1,013,330	5,279	4,712	567
Unclassified	–	478	183	83	100
Company size (number of domestic employees)	–	–	–	–	–
All companies	–	1,971,959	45,089	24,657	20,432
< 5 ^c	–	118,800	2,207	1,366	841
5–9	–	846,742	7,191	6,331	860
10–24	–	616,763	8,278	6,819	1,459
25–49	–	212,664	6,171	4,206	1,965
50–99	–	97,645	5,994	3,033	2,961
100–249	–	50,997	6,610	1,901	4,709
250–499	–	14,499	3,254	532	2,722
500–999	–	6,822	2,057	225	1,832
1,000–4,999	–	5,450	2,328	191	2,137

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5,000–9,999	–	760	451	27	424
10,000–24,999	–	501	318	17	301
25,000 or more	–	316	230	9	221

NAICS = 2007 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 2013 Business R&D and Innovation Survey sample. These estimates do not include 44 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 2013 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 This category includes companies that are represented on the sampling frame as having missing or fewer than five paid employees, but these companies are in-scope to Business R&D Innovation Survey because they have at least \$250,000 for annual payroll.

NOTES: Certainties are companies whose probability of selection is one 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 one. 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. The total sample size reflects the time between sample selection and survey mailout; that is, the sample was updated before actual mailout took place.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, and U.S. Census Bureau, Business R&D and Innovation Survey, 2013