

TABLE A-3. Companies in the target population and selected for the sample, by industry and company size: 2009

Industry and company size	NAICS codes	Companies in target population	Companies selected for the sample		
			All companies	Noncertainties	Certainties
All industries	21–23, 31–33, 42–81	2,090,181	43,002	25,192	17,810
Manufacturing industries	31–33	162,523	20,419	10,815	9,604
Food	311	12,147	1,022	568	454
Beverage and tobacco products	312	1,715	249	140	109
Textiles, apparel, and leather products	313–316	8,593	1,230	779	451
Wood products	321	8,546	711	487	224
Paper	322	2,325	454	259	195
Printing and related support activities	323	15,200	841	595	246
Petroleum and coal products	324	555	161	73	88
Chemicals	325	6,316	2,033	765	1,268
Basic chemicals	3251	936	339	138	201
Resin, synthetic rubber, fibers, and filaments	3252	650	192	41	151
Pesticide, fertilizer, and other agricultural chemical	3253	353	152	54	98
Pharmaceuticals and medicines	3254	1,162	474	44	430
Soap, cleaning compound, and toilet preparation	3256	1,153	336	170	166
Paint, coating, adhesive, and other chemical	3255, 3259	2,062	540	318	222
Plastics and rubber products	326	7,610	1,139	611	528
Nonmetallic mineral products	327	6,713	648	405	243
Primary metals	331	2,779	449	171	278
Fabricated metal products	332	33,937	1,977	1,249	728
Machinery	333	14,888	2,529	1,284	1,245
Agricultural implements	33311	740	247	143	104
Semiconductor machinery	333295	156	117	6	111
Engine, turbine, and power transmission equipment	3336	560	160	75	85
Other machinery	other 333	13,432	2,005	1,060	945
Computer and electronic products	334	7,867	2,342	1,039	1,303
Communications equipment	3342	968	325	124	201
Semiconductor and other electronic components	3344	2,867	625	318	307
Navigational, measuring, electromedical, and control instruments	3345	2,757	963	429	534
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	425	178	53	125
Search, detection, navigation, guidance, aeronautical, and nautical system and instruments	334511	346	143	44	99
Other measuring and controlling instruments	other 3345	1,986	642	332	310
Computer and peripheral equipment and other computer and electronic products	other 334	1,275	429	168	261
Electrical equipment, appliances, and components	335	3,399	759	368	391
Transportation equipment	336	6,597	1,344	571	773
Automobiles, bodies, trailers, and parts	3361–3363	4,181	562	290	272
Aerospace products and parts	3364	909	273	96	177
Aircraft, aircraft engine, and aircraft parts	336411–336413	852	224	96	128
Guided missile, space vehicle, and related parts	336414, 336415, 336419	57	49	0	49
Military armored vehicle, tank, and tank components	336992	41	29	0	29
Other transportation equipment	other 336	1,466	480	185	295
Furniture and related products	337	9,810	782	489	293
Miscellaneous manufacturing	339	13,129	1,662	935	727
Medical equipment and supplies	3391	4,757	785	390	395
Other miscellaneous manufacturing	3399	8,372	877	545	332
Unclassified		397	87	27	60
Nonmanufacturing industries	21–23, 42–81	1,927,658	22,583	14,377	8,206
Mining, extraction, and support activities	21	9,291	549	358	191
Utilities	22	1,279	198	36	162
Construction	23	259,864	1,741	1,138	603
Wholesale trade	42	140,966	2,743	1,958	785
Retail trade	44, 45	268,553	2,031	1,528	503
Electronic shopping and mail-order houses	4541	6,612	526	364	162
Other retail trade	other 44, 45	261,941	1,505	1,164	341
Transportation and warehousing	48, 49	56,936	489	262	227
Information	51	27,858	3,159	1,741	1,418

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			All companies	Noncertainties	Certainties
Publishing	511	10,254	1,209	623	586
Newspaper, periodical, book, and directory publishers	5111	6,940	437	270	167
Software publishers	5112	3,314	772	353	419
Telecommunications	517	3,151	769	398	371
Data processing, hosting, and related services	518	4,953	647	369	278
Other information	other 51	9,500	534	351	183
Finance and insurance	52	70,809	832	371	461
Real estate and rental and leasing	53	60,734	483	278	205
Professional, scientific, and technical services	54	227,796	5,191	3,018	2,173
Architectural, engineering, and related services	5413	38,672	1,076	741	335
Computer systems design and related services	5415	28,020	1,552	1,019	533
Scientific R&D services	5417	4,994	1,312	500	812
Other professional, scientific, and technical services	other 54	156,110	1,251	758	493
Health care services	621-623	240,064	1,605	1,072	533
Other nonmanufacturing	55, 56, 624, 71, 72, 81	562,018	3,333	2,497	836
Unclassified		1,490	229	120	109
Company size (employees)					
All companies	-	2,090,181	43,002	25,192	17,810
< 5 ^a	-	115,833	1,731	1,231	500
5-24	-	1,556,975	14,390	13,203	1,187
25-49	-	225,364	6,030	4,475	1,555
50-99	-	105,709	5,770	3,264	2,506
100-249	-	56,523	6,232	2,108	4,124
250-499	-	15,631	3,136	512	2,624
500-999	-	6,896	2,094	236	1,858
1,000-4,999	-	5,650	2,504	150	2,354
5,000-9,999	-	763	445	5	440
10,000-24,999	-	508	362	7	355
25,000 or more	-	329	308	1	307

BRDIS = Business R&D and Innovation Survey; NAICS = 2007 North American Industry Classification System.

^a This category includes companies that are represented on sampling frame as having missing or fewer than five paid employees, but these companies are in scope to BRDIS because they have at least \$250,000 for annual payroll.

NOTES: Estimates of the number of companies in the target population are based on the original sampling frame that was created to select the 2009 BRDIS sample. The estimates in this table do not include 18 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 2009 sample with certainty and are also not reflected in the number of certainties selected for the sample. 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 sample for analytical purposes (analytical certainties). Noncertainties are companies whose probability of selection is less than one. Companies that were missing or had incomplete NAICS codes at time of sampling were assigned to "unclassified" industry category temporarily. If unclassified company reported R&D expenditures, its primary industrial activity was investigated, and NAICS code was assigned during statistical processing. Total number reflects time between sample selection and survey mailout; that is, 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, 2009.