

TABLE A-6. Unit response rates, by industry and company size: 2010

Industry and company size	NAICS code	Active companies <sup>a</sup>	Companies that met response criteria <sup>b</sup>	% of companies that met response criteria
All companies				
All industries	21–23, 31–33, 42–81	39,968	28,527	71.4
Manufacturing industries	31–33	19,025	13,900	73.1
Food	311	937	677	72.3
Beverage and tobacco products	312	240	162	67.5
Textiles, apparel, and leather products	313–316	662	445	67.2
Wood products	321	662	470	71.0
Paper manufacturing	322	385	297	77.1
Printing and related support activities	323	806	603	74.8
Petroleum and coal products	324	187	130	69.5
Chemicals	325	2,024	1,515	74.9
Basic chemicals	3251	320	243	75.9
Resin, synthetic rubber, fibers, and filaments	3252	204	132	64.7
Pesticide, fertilizer, and other agricultural chemical	3253	117	77	65.8
Pharmaceuticals and medicines	3254	614	506	82.4
Soap, cleaning compound, and toilet preparation	3256	291	210	72.2
Paint, coating, adhesive, and other chemical	3255, 3259	478	347	72.6
Plastics and rubber products	326	1,040	779	74.9
Nonmetallic mineral products	327	625	488	78.1
Primary metals	331	454	328	72.2
Fabricated metal products	332	1,838	1,383	75.2
Machinery	333	2,321	1,687	72.7
Agricultural implement	33311	227	152	67.0
Semiconductor machinery	333295	116	81	69.8
Engine, turbine, and power transmission equipment	3336	203	156	76.8
Other machinery manufacturing	other 333	1,775	1,298	73.1
Computer and electronic products	334	2,201	1,519	69.0
Communications equipment	3342	316	210	66.5
Semiconductor and other electronic components	3344	562	382	68.0
Navigational, measuring, electromedical, and control instruments	3345	933	656	70.3
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	163	107	65.6
Search, detection, navigation, guidance, aeronautical, and nautical system and instruments	334511	137	97	70.8
Other measuring and controlling instruments	other 3345	633	452	71.4
Other computer and electronic products	other 334	390	271	69.5
Electrical equipment, appliances, and components	335	751	532	70.8
Transportation equipment	336	1,526	1,080	70.8
Automobiles, bodies, trailers, and parts	3361–3363	862	633	73.4
Aerospace products and parts	3364	273	185	67.8
Aircraft, aircraft engine, and aircraft parts	336411–336413	231	157	68.0
Guided missile, space vehicle, and related parts	336414, 336415, 336419	42	28	66.7
Military armored vehicle, tank, and tank components	336992	20	12	60.0
Other transportation	other 336	371	250	67.4
Furniture and related products	337	749	558	74.5
Miscellaneous manufacturing	339	1,617	1,247	77.1
Medical equipment and supplies	3391	771	602	78.1
Other miscellaneous manufacturing	3399	846	645	76.2
Nonmanufacturing industries	21–23, 42–81	20,943	14,627	69.8
Mining, extraction, and support activities	21	687	526	76.6
Utilities	22	209	168	80.4
Construction	23	1,375	990	72.0
Wholesale trade	42	2,243	1,484	66.2
Retail trade	44, 45	2,931	2,023	69.0
Electronic shopping and electronic auctions	454111, 454112	327	217	66.4
Other retail trade	other 44, 45	2,604	1,806	69.4
Transportation and warehousing	48, 49	439	309	70.4
Information	51	2,393	1,696	70.9
Publishing	511	1,088	791	72.7
Newspaper, periodical, book, and directory publishers	5111	399	299	74.9

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Industry and company size	NAICS code	Active companies <sup>a</sup>	Companies that met response criteria <sup>b</sup>	% of companies that met response criteria
Software publishers	5112	689	492	71.4
Telecommunications	517	252	177	70.2
Data processing, hosting, and related services	518	574	383	66.7
Other information	other 51	479	345	72.0
Finance and insurance	52	732	552	75.4
Real estate and rental and leasing	53	395	289	73.2
Professional, scientific, and technical services	54	4,705	3,408	72.4
Architectural, engineering, and related services	5413	992	742	74.8
Computer systems design and related services	5415	1,414	988	69.9
Scientific R&D services	5417	1,226	849	69.2
Biotechnology R&D	541711	440	317	72.0
Physical, engineering, and life sciences (except biotechnology) R&D	541712	643	430	66.9
Social sciences and humanities R&D	541720	143	102	71.3
Other professional, scientific, and technical services	other 54	1,073	829	77.3
Health care services	621–623	1,517	1,167	76.9
Other nonmanufacturing	55, 56, 624, 71, 72, 81	3,317	2,015	60.7
Form BRDI-1 companies				
All industries	21–23, 31–33, 42–81	2,552	1,954	76.6
Manufacturing industries	31–33	1,509	1,203	79.7
Food	311	39	31	79.5
Beverage and tobacco products	312	10	9	90.0
Textiles, apparel, and leather products	313–316	13	12	92.3
Wood products	321	9	8	88.9
Paper manufacturing	322	17	17	100.0
Printing and related support activities	323	5	4	80.0
Petroleum and coal products	324	5	4	80.0
Chemicals	325	362	309	85.4
Basic chemicals	3251	49	42	85.7
Resin, synthetic rubber, fibers, and filaments	3252	11	9	81.8
Pesticide, fertilizer, and other agricultural chemical	3253	6	5	83.3
Pharmaceuticals and medicines	3254	249	217	87.1
Soap, cleaning compound, and toilet preparation	3256	26	19	73.1
Paint, coating, adhesive, and other chemical	3255, 3259	21	17	81.0
Plastics and rubber products	326	43	36	83.7
Nonmetallic mineral products	327	18	13	72.2
Primary metals	331	22	20	90.9
Fabricated metal products	332	32	26	81.3
Machinery	333	128	104	81.3
Agricultural implement	33311	6	4	66.7
Semiconductor machinery	333295	26	21	80.8
Engine, turbine, and power transmission equipment	3336	14	13	92.9
Other machinery manufacturing	other 333	82	66	80.5
Computer and electronic products	334	429	311	72.5
Communications equipment	3342	81	60	74.1
Semiconductor and other electronic components	3344	160	116	72.5
Navigational, measuring, electromedical, and control instruments	3345	117	80	68.4
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	35	24	68.6
Search, detection, navigation, guidance, aeronautical, and nautical system and instruments	334511	26	20	76.9
Other measuring and controlling instruments	other 3345	56	36	64.3
Other computer and electronic products	other 334	71	55	77.5
Electrical equipment, appliances, and components	335	70	50	71.4
Transportation equipment	336	138	111	80.4
Automobiles, bodies, trailers, and parts	3361–3363	77	65	84.4
Aerospace products and parts	3364	46	34	73.9
Aircraft, aircraft engine, and aircraft parts	336411–336413	37	26	70.3
Guided missile, space vehicle, and related parts	336414, 336415, 336419	9	8	88.9
Military armored vehicle, tank, and tank components	336992	D	D	D
Other transportation	other 336	D	D	D

TABLE A-6. Unit response rates, by industry and company size: 2010

Industry and company size	NAICS code	Active companies <sup>a</sup>	Companies that met response criteria <sup>b</sup>	% of companies that met response criteria
Furniture and related products	337	12	12	100.0
Miscellaneous manufacturing	339	157	126	80.3
Medical equipment and supplies	3391	122	100	82.0
Other miscellaneous manufacturing	3399	35	26	74.3
Nonmanufacturing industries	21–23, 42–81	1,043	751	72.0
Mining, extraction, and support activities	21	18	14	77.8
Utilities	22	13	10	76.9
Construction	23	8	8	100.0
Wholesale trade	42	54	D	D
Retail trade	44, 45	7	D	D
Electronic shopping and electronic auctions	454111, 454112	4	4	100.0
Other retail trade	other 44, 45	3	D	D
Transportation and warehousing	48, 49	9	7	77.8
Information	51	294	210	71.4
Publishing	511	190	132	69.5
Newspaper, periodical, book, and directory publishers	5111	8	6	75.0
Software publishers	5112	182	126	69.2
Telecommunications	517	32	24	75.0
Data processing, hosting, and related services	518	38	28	73.7
Other information	other 51	34	26	76.5
Finance and insurance	52	43	35	81.4
Real estate and rental and leasing	53	9	7	77.8
Professional, scientific, and technical services	54	545	412	75.6
Architectural, engineering, and related services	5413	60	43	71.7
Computer systems design and related services	5415	171	119	69.6
Scientific R&D services	5417	259	201	77.6
Biotechnology R&D	541711	108	81	75.0
Physical, engineering, and life sciences (except biotechnology) R&D	541712	147	116	78.9
Social sciences and humanities R&D	541720	4	4	100.0
Other professional, scientific, and technical services	other 54	55	49	89.1
Health care services	621–623	11	8	72.7
Other nonmanufacturing	55, 56, 624, 71, 72, 81	32	21	65.6
<b>Form BRDI-1A companies</b>				
All industries	21–23, 31–33, 42–81	18,670	13,275	71.1
Manufacturing industries	31–33	8,730	6,339	72.6
Food	311	459	331	72.1
Beverage and tobacco products	312	118	78	66.1
Textiles, apparel, and leather products	313–316	327	215	65.7
Wood products	321	316	221	69.9
Paper manufacturing	322	176	127	72.2
Printing and related support activities	323	396	290	73.2
Petroleum and coal products	324	94	63	67.0
Chemicals	325	837	616	73.6
Basic chemicals	3251	141	101	71.6
Resin, synthetic rubber, fibers, and filaments	3252	92	58	63.0
Pesticide, fertilizer, and other agricultural chemical	3253	55	34	61.8
Pharmaceuticals and medicines	3254	188	155	82.4
Soap, cleaning compound, and toilet preparation	3256	133	98	73.7
Paint, coating, adhesive, and other chemical	3255, 3259	228	170	74.6
Plastics and rubber products	326	500	382	76.4
Nonmetallic mineral products	327	303	242	79.9
Primary metals	331	214	157	73.4
Fabricated metal products	332	890	679	76.3
Machinery	333	1,098	780	71.0
Agricultural implement	33311	110	69	62.7
Semiconductor machinery	333295	44	28	63.6
Engine, turbine, and power transmission equipment	3336	94	69	73.4
Other machinery manufacturing	other 333	850	614	72.2
Computer and electronic products	334	886	609	68.7

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Industry and company size	NAICS code	Active companies <sup>a</sup>	Companies that met response criteria <sup>b</sup>	% of companies that met response criteria
Communications equipment	3342	121	75	62.0
Semiconductor and other electronic components	3344	204	129	63.2
Navigational, measuring, electromedical, and control instruments	3345	400	292	73.0
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	62	44	71.0
Search, detection, navigation, guidance, aeronautical, and nautical system and instruments	334511	53	38	71.7
Other measuring and controlling instruments	other 3345	285	210	73.7
Other computer and electronic products	other 334	161	113	70.2
Electrical equipment, appliances, and components	335	339	241	71.1
Transportation equipment	336	701	501	71.5
Automobiles, bodies, trailers, and parts	3361-3363	382	281	73.6
Aerospace products and parts	3364	126	87	69.0
Aircraft, aircraft engine, and aircraft parts	336411-336413	108	76	70.4
Guided missile, space vehicle, and related parts	336414, 336415, 336419	18	11	61.1
Military armored vehicle, tank, and tank components	336992	10	7	70.0
Other transportation	other 336	183	126	68.9
Furniture and related products	337	362	268	74.0
Miscellaneous manufacturing	339	714	539	75.5
Medical equipment and supplies	3391	322	247	76.7
Other miscellaneous manufacturing	3399	392	292	74.5
Nonmanufacturing industries	21-23, 42-81	9,940	6,936	69.8
Mining, extraction, and support activities	21	331	262	79.2
Utilities	22	99	84	84.8
Construction	23	681	494	72.5
Wholesale trade	42	1,096	731	66.7
Retail trade	44, 45	1,456	1,008	69.2
Electronic shopping and electronic auctions	454111, 454112	161	109	67.7
Other retail trade	other 44, 45	1,295	899	69.4
Transportation and warehousing	48, 49	217	151	69.6
Information	51	1,041	732	70.3
Publishing	511	449	323	71.9
Newspaper, periodical, book, and directory publishers	5111	199	146	73.4
Software publishers	5112	250	177	70.8
Telecommunications	517	106	75	70.8
Data processing, hosting, and related services	518	265	172	64.9
Other information	other 51	221	162	73.3
Finance and insurance	52	349	262	75.1
Real estate and rental and leasing	53	181	134	74.0
Professional, scientific, and technical services	54	2,072	1,485	71.7
Architectural, engineering, and related services	5413	464	350	75.4
Computer systems design and related services	5415	620	428	69.0
Scientific R&D services	5417	465	307	66.0
Biotechnology R&D	541711	164	118	72.0
Physical, engineering, and life sciences (except biotechnology) R&D	541712	241	145	60.2
Social sciences and humanities R&D	541720	60	44	73.3
Other professional, scientific, and technical services	other 54	523	400	76.5
Health care services	621-623	763	592	77.6
Other nonmanufacturing	55, 56, 624, 71, 72, 81	1,654	1,001	60.5
Form BRDI-1B companies				
All industries	21-23, 31-33, 42-81	18,746	13,298	70.9
Manufacturing industries	31-33	8,786	6,358	72.4
Food	311	439	315	71.8
Beverage and tobacco products	312	112	75	67.0
Textiles, apparel, and leather products	313-316	322	218	67.7
Wood products	321	337	241	71.5
Paper manufacturing	322	192	153	79.7
Printing and related support activities	323	405	309	76.3
Petroleum and coal products	324	88	63	71.6
Chemicals	325	825	590	71.5

TABLE A-6. Unit response rates, by industry and company size: 2010

Industry and company size	NAICS code	Active companies <sup>a</sup>	Companies that met response criteria <sup>b</sup>	% of companies that met response criteria
Basic chemicals	3251	130	100	76.9
Resin, synthetic rubber, fibers, and filaments	3252	101	65	64.4
Pesticide, fertilizer, and other agricultural chemical	3253	56	38	67.9
Pharmaceuticals and medicines	3254	177	134	75.7
Soap, cleaning compound, and toilet preparation	3256	132	93	70.5
Paint, coating, adhesive, and other chemical	3255, 3259	229	160	69.9
Plastics and rubber products	326	497	361	72.6
Nonmetallic mineral products	327	304	233	76.6
Primary metals	331	218	151	69.3
Fabricated metal products	332	916	678	74.0
Machinery	333	1,095	803	73.3
Agricultural implement	33311	111	79	71.2
Semiconductor machinery	333295	46	32	69.6
Engine, turbine, and power transmission equipment	3336	95	74	77.9
Other machinery manufacturing	other 333	843	618	73.3
Computer and electronic products	334	886	599	67.6
Communications equipment	3342	114	75	65.8
Semiconductor and other electronic components	3344	198	137	69.2
Navigational, measuring, electromedical, and control instruments	3345	416	284	68.3
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	66	39	59.1
Search, detection, navigation, guidance, aeronautical, and nautical system and instruments	334511	58	39	67.2
Other measuring and controlling instruments	other 3345	292	206	70.5
Other computer and electronic products	other 334	158	103	65.2
Electrical equipment, appliances, and components	335	342	241	70.5
Transportation equipment	336	687	468	68.1
Automobiles, bodies, trailers, and parts	3361-3363	403	287	71.2
Aerospace products and parts	3364	101	64	63.4
Aircraft, aircraft engine, and aircraft parts	336411-336413	86	55	64.0
Guided missile, space vehicle, and related parts	336414, 336415, 336419	15	9	60.0
Military armored vehicle, tank, and tank components	336992	D	D	D
Other transportation	other 336	D	D	D
Furniture and related products	337	375	278	74.1
Miscellaneous manufacturing	339	746	582	78.0
Medical equipment and supplies	3391	327	255	78.0
Other miscellaneous manufacturing	3399	419	327	78.0
Nonmanufacturing industries	21-23, 42-81	9,960	6,940	69.7
Mining, extraction, and support activities	21	338	250	74.0
Utilities	22	97	74	76.3
Construction	23	686	488	71.1
Wholesale trade	42	1,093	D	D
Retail trade	44, 45	1,468	D	D
Electronic shopping and electronic auctions	454111, 454112	162	104	64.2
Other retail trade	other 44, 45	1,306	D	D
Transportation and warehousing	48, 49	213	151	70.9
Information	51	1,058	754	71.3
Publishing	511	449	336	74.8
Newspaper, periodical, book, and directory publishers	5111	192	147	76.6
Software publishers	5112	257	189	73.5
Telecommunications	517	114	78	68.4
Data processing, hosting, and related services	518	271	183	67.5
Other information	other 51	224	157	70.1
Finance and insurance	52	340	255	75.0
Real estate and rental and leasing	53	205	148	72.2
Professional, scientific, and technical services	54	2,088	1,511	72.4
Architectural, engineering, and related services	5413	468	349	74.6
Computer systems design and related services	5415	623	441	70.8
Scientific R&D services	5417	502	341	67.9
Biotechnology R&D	541711	168	118	70.2
Physical, engineering, and life sciences (except biotechnology) R&D	541712	255	169	66.3

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Industry and company size	NAICS code	Active companies <sup>a</sup>	Companies that met response criteria <sup>b</sup>	% of companies that met response criteria
Social sciences and humanities R&D	541720	79	54	68.4
Other professional, scientific, and technical services	other 54	495	380	76.8
Health care services	621-623	743	567	76.3
Other nonmanufacturing	55, 56, 624, 71, 72, 81	1,631	993	60.9

D = data withheld to avoid disclosing operations of individual companies.

<sup>a</sup> Active companies are defined as companies that are in scope of survey after all data have been processed.

<sup>b</sup> Companies were considered to have fulfilled response criteria if they were located in United States and reported that they performed or funded R&D. If not, company fulfilled response criteria if they were located in United States and reported values for worldwide sales, domestic sales, worldwide employees, or domestic employees.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics and U.S. Census Bureau, Business R&D and Innovation Survey, 2010.