

TABLE A-10. Unit response rates, by industry and type of survey form: 2011

Industry	NAICS code	Active reporting units <sup>a</sup>	Reporting units that met the response criteria <sup>b</sup>	% of reporting units that met the response criteria
All companies				
All industries	21–23, 31–33, 42–81	39,846	28,315	71.1
Manufacturing industries	31–33	18,447	13,339	72.3
Food	311	1,005	724	72.0
Beverage and tobacco products	312	261	191	73.2
Textile, apparel, and leather products	313–316	653	437	66.9
Wood products	321	665	496	74.6
Paper	322	416	303	72.8
Printing and related support activities	323	807	608	75.3
Petroleum and coal products	324	184	127	69.0
Chemicals	325	1,869	1,340	71.7
Basic chemicals	3251	345	261	75.7
Resin, synthetic rubber, and artificial synthetic fibers and filaments	3252	201	148	73.6
Pesticide, fertilizer, and other agricultural chemical	3253	117	75	64.1
Pharmaceuticals and medicines	3254	510	375	73.5
Soap, cleaning compound, and toilet preparation	3256	257	175	68.1
Paint, coating, adhesive, and other chemicals	3255, 3259	439	306	69.7
Plastics and rubber products	326	1,106	848	76.7
Nonmetallic mineral products	327	599	430	71.8
Primary metals	331	493	353	71.6
Fabricated metal products	332	1,975	1,474	74.6
Machinery	333	2,007	1,471	73.3
Agricultural implement	33311	224	153	68.3
Semiconductor machinery	333295	105	69	65.7
Engine, turbine, and power transmission equipment	3336	207	161	77.8
Other machinery	other 333	1,471	1,088	74.0
Computer and electronic products	334	2,038	1,387	68.1
Communications equipment	3342	310	202	65.2
Semiconductor and other electronic components	3344	577	404	70.0
Navigational, measuring, electromedical, and control instruments	3345	841	571	67.9
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	171	107	62.6
Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments	334511	116	74	63.8
Other measuring and controlling devices	other 3345	554	390	70.4
Other computer and electronic products	other 334	310	210	67.7
Electrical equipment, appliances, and components	335	754	542	71.9
Transportation equipment	336	1,105	803	72.7
Motor vehicles, bodies, trailers, and parts	3361–63	568	422	74.3
Aerospace products and parts	3364	254	186	73.2
Aircraft, aircraft engine, and aircraft parts	336411–13	217	164	75.6
Guided missile, space vehicle, and related parts	336414–15, 336419	37	22	59.5
Military armored vehicle, tank, and tank component	336992	19	10	52.6
Other transportation equipment	other 336	264	185	70.1
Furniture and related products	337	761	547	71.9
Miscellaneous manufacturing	339	1,749	1,258	71.9
Medical equipment and supplies	3391	753	568	75.4
Other miscellaneous	3399	996	690	69.3
Nonmanufacturing industries	21–23, 42–81	21,399	14,976	70.0
Mining, extraction, and support activities	21	687	516	75.1

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Utilities	22	179	143	79.9
Wholesale trade	42	2,429	1,616	66.5
Electronic shopping and electronic auctions	454111-12	373	248	66.5
Transportation and warehousing	48-49	461	334	72.5
Information	51	2,441	1,695	69.4
Publishing	511	1,061	740	69.7
Newspaper, periodical, book, and directory publishers	5111	402	306	76.1
Software publishers	5112	659	434	65.9
Telecommunications	517	358	255	71.2
Data processing, hosting, and related services	518	532	342	64.3
Other information	other 51	490	358	73.1
Finance and insurance	52	717	554	77.3
Real estate and rental and leasing	53	448	302	67.4
Lessors of nonfinancial intangible assets (except copyrighted works)	533	64	43	67.2
Other real estate and rental and leasing	other 53	384	259	67.4
Professional, scientific, and technical services	54	6,335	4,490	70.9
Architectural, engineering, and related services	5413	1,121	856	76.4
Computer systems design and related services	5415	1,572	1,053	67.0
Scientific research and development services	5417	2,504	1,694	67.7
Biotechnology research and development	541711	768	557	72.5
Physical, engineering, and life sciences (except biotechnology) research and development	541712	1,532	1,001	65.3
Social sciences and humanities research and development	541720	204	136	66.7
Other professional, scientific, and technical services	other 54	1,138	887	77.9
Health care services	621-23	1,501	1,151	76.7
Other nonmanufacturing	23, 44-45 (excluding 454111-12), 55-56, 624, 71-72, 81	5,828	3,927	67.4
Form BRDI-1 companies				
All industries	21-23, 31-33, 42-81	2,690	2,032	75.5
Manufacturing industries	31-33	1,571	1,223	77.8
Food	311	47	37	78.7
Beverage and tobacco products	312	15	15	100.0
Textile, apparel, and leather products	313-316	18	17	94.4
Wood products	321	8	7	87.5
Paper	322	17	13	76.5
Printing and related support activities	323	6	5	83.3
Petroleum and coal products	324	4	4	100.0
Chemicals	325	368	289	78.5
Basic chemicals	3251	54	45	83.3
Resin, synthetic rubber, and artificial synthetic fibers and filaments	3252	13	10	76.9
Pesticide, fertilizer, and other agricultural chemical	3253	8	7	87.5
Pharmaceuticals and medicines	3254	248	194	78.2
Soap, cleaning compound, and toilet preparation	3256	24	18	75.0
Paint, coating, adhesive, and other chemicals	3255, 3259	21	15	71.4
Plastics and rubber products	326	51	40	78.4
Nonmetallic mineral products	327	21	17	81.0
Primary metals	331	22	19	86.4
Fabricated metal products	332	35	25	71.4
Machinery	333	140	113	80.7
Agricultural implements	33311	8	5	62.5
Semiconductor machinery	333295	24	17	70.8

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Engine, turbine, and power transmission equipment	3336	14	12	85.7
Other machinery	other 333	94	79	84.0
Computer and electronic products	334	432	313	72.5
Communications equipment	3342	81	58	71.6
Semiconductor and other electronic components	3344	172	129	75.0
Navigational, measuring, electromedical, and control instruments	3345	106	74	69.8
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	28	16	57.1
Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments	334511	26	21	80.8
Other measuring and controlling devices	other 3345	52	37	71.2
Other computer and electronic products	other 334	73	52	71.2
Electrical equipment, appliances, and components	335	73	56	76.7
Transportation equipment	336	147	119	81.0
Motor vehicles, bodies, trailers, and parts	3361-63	81	64	79.0
Aerospace products and parts	3364	52	42	80.8
Aircraft, aircraft engine, and aircraft parts	336411-13	43	33	76.7
Guided missile, space vehicle, and related parts	336414-15, 336419	9	9	100.0
Military armored vehicle, tank, and tank component	336992	D	D	D
Other transportation equipment	other 336	D	D	D
Furniture and related products	337	10	9	90.0
Miscellaneous manufacturing	339	157	125	79.6
Medical equipment and supplies	3391	116	90	77.6
Other miscellaneous	3399	41	35	85.4
Nonmanufacturing industries	21-23, 42-81	1,119	809	72.3
Mining, extraction, and support activities	21	23	16	69.6
Utilities	22	24	21	87.5
Wholesale trade	42	64	18	28.1
Electronic shopping and electronic auctions	454111-12	4	3	75.0
Transportation and warehousing	48-49	5	5	100.0
Information	51	305	213	69.8
Publishing	511	192	132	68.8
Newspaper, periodical, book, and directory publishers	5111	5	3	60.0
Software publishers	5112	187	129	69.0
Telecommunications	517	28	18	64.3
Data processing, hosting, and related services	518	52	38	73.1
Other information	other 51	33	25	75.8
Finance and insurance	52	42	37	88.1
Real estate and rental and leasing	53	5	5	100.0
Lessors of nonfinancial intangible assets (except copyrighted works)	533	D	D	D
Other real estate and rental and leasing	other 53	D	D	D
Professional, scientific, and technical services	54	592	451	76.2
Architectural, engineering, and related services	5413	53	41	77.4
Computer systems design and related services	5415	151	106	70.2
Scientific research and development services	5417	334	255	76.3
Biotechnology research and development	541711	163	130	79.8
Physical, engineering, and life sciences (except biotechnology) research and development	541712	167	121	72.5

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Social sciences and humanities research and development	541720	4	4	100.0
Other professional, scientific, and technical services	other 54	54	49	90.7
Health care services	621-23	14	12	85.7
Other nonmanufacturing	23, 44-45 (excluding 454111-12), 55-56, 624, 71-72, 81	41	28	68.3
<b>Form BRDI-1A companies</b>				
All industries	21-23, 31-33, 42-81	37,156	26,283	70.7
Manufacturing industries	31-33	16,876	12,116	71.8
Food	311	958	687	71.7
Beverage and tobacco products	312	246	176	71.5
Textile, apparel, and leather products	313-316	635	420	66.1
Wood products	321	657	489	74.4
Paper	322	399	290	72.7
Printing and related support activities	323	801	603	75.3
Petroleum and coal products	324	180	123	68.3
Chemicals	325	1,501	1,051	70.0
Basic chemicals	3251	291	216	74.2
Resin, synthetic rubber, and artificial synthetic fibers and filaments	3252	188	138	73.4
Pesticide, fertilizer, and other agricultural chemical	3253	109	68	62.4
Pharmaceuticals and medicines	3254	262	181	69.1
Soap, cleaning compound, and toilet preparation	3256	233	157	67.4
Paint, coating, adhesive, and other chemicals	3255, 3259	418	291	69.6
Plastics and rubber products	326	1,055	808	76.6
Nonmetallic mineral products	327	578	413	71.5
Primary metals	331	471	334	70.9
Fabricated metal products	332	1,940	1,449	74.7
Machinery	333	1,867	1,358	72.7
Agricultural implements	33311	216	148	68.5
Semiconductor machinery	333295	81	52	64.2
Engine, turbine, and power transmission equipment	3336	193	149	77.2
Other machinery	other 333	1,377	1,009	73.3
Computer and electronic products	334	1,606	1,074	66.9
Communications equipment	3342	229	144	62.9
Semiconductor and other electronic components	3344	405	275	67.9
Navigational, measuring, electromedical, and control instruments	3345	735	497	67.6
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	143	91	63.6
Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments	334511	90	53	58.9
Other measuring and controlling devices	other 3345	502	353	70.3
Other computer and electronic products	other 334	237	158	66.7
Electrical equipment, appliances, and components	335	681	486	71.4
Transportation equipment	336	958	684	71.4
Motor vehicles, bodies, trailers, and parts	3361-63	487	358	73.5
Aerospace products and parts	3364	202	144	71.3
Aircraft, aircraft engine, and aircraft parts	336411-13	174	131	75.3
Guided missile, space vehicle, and related parts	336414-15, 336419	28	13	46.4
Military armored vehicle, tank, and tank component	336992	17	9	52.9
Other transportation equipment	other 336	252	173	68.7

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Furniture and related products	337	751	538	71.6
Miscellaneous manufacturing	339	1,592	1,133	71.2
Medical equipment and supplies	3391	637	478	75.0
Other miscellaneous	3399	955	655	68.6
Nonmanufacturing industries	21-23, 42-81	20,280	14,167	69.9
Mining, extraction, and support activities	21	664	500	75.3
Utilities	22	155	122	78.7
Wholesale trade	42	2,365	1,598	67.6
Electronic shopping and electronic auctions	454111-12	369	245	66.4
Transportation and warehousing	48-49	456	329	72.1
Information	51	2,136	1,482	69.4
Publishing	511	869	608	70.0
Newspaper, periodical, book, and directory publishers	5111	397	303	76.3
Software publishers	5112	472	305	64.6
Telecommunications	517	330	237	71.8
Data processing, hosting, and related services	518	480	304	63.3
Other information	other 51	457	333	72.9
Finance and insurance	52	675	517	76.6
Real estate and rental and leasing	53	443	297	67.0
Lessors of nonfinancial intangible assets (except copyrighted works)	533	60	39	65.0
Other real estate and rental and leasing	other 53	383	258	67.4
Professional, scientific, and technical services	54	5,743	4,039	70.3
Architectural, engineering, and related services	5413	1,068	815	76.3
Computer systems design and related services	5415	1,421	947	66.6
Scientific research and development services	5417	2,170	1,439	66.3
Biotechnology research and development	541711	605	427	70.6
Physical, engineering, and life sciences (except biotechnology) research and development	541712	1,365	880	64.5
Social sciences and humanities research and development	541720	200	132	66.0
Other professional, scientific, and technical services	other 54	1,084	838	77.3
Health care services	621-23	1,487	1,139	76.6
Other nonmanufacturing	23, 44-45 (excluding 454111-12), 55-56, 624, 71-72, 81	5,787	3,899	67.4

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

<sup>a</sup> Active reporting units are defined as reporting units of active companies that are in scope of the survey (for-profit companies with locations in the United States, five or more employees, business activities in the survey year, and primary business activities in the NAICS codes listed above) after all of the data have been processed. Because of special handling requests made by company respondents, some sampled companies were mailed more than one form. For the calculation of the unit response rates, these reporting units remained disaggregated.

<sup>b</sup> Reporting units were considered to have fulfilled the response criteria if they reported that they performed or funded R&D. If not, a reporting unit fulfilled the response criteria if they reported a value for worldwide sales or domestic sales, or if they reported a positive value for paid worldwide employees or paid domestic employees.

NOTES: Companies with \$7 million or more (reported or imputed) for total domestic R&D paid for by the company and others and performed by the company, in either of the two prior years of the BRDIS survey, received a long Form BRDI-1. Other companies received a Form BRDI-1A.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics and U.S. Census Bureau, Business R&D and Innovation Survey, 2011.