

TABLE A-10. Unit response rates, by industry and survey form type: 2014

Industry	NAICS code	Active reporting units ^a	Reporting units that met the response criteria ^b	% of reporting units that met the response criteria
All companies				
All industries	21-23, 31-33, 42-81	40,953	29,672	72.5
Manufacturing industries	31-33	18,392	13,421	73.0
Food	311	1,053	752	71.4
Beverages and tobacco products	312	388	297	76.5
Textiles, apparel, and leather products	313-16	717	472	65.8
Wood products	321	621	460	74.1
Paper	322	417	299	71.7
Printing and related support activities	323	785	580	73.9
Petroleum and coal products	324	161	109	67.7
Chemicals	325	2,065	1,563	75.7
Basic chemicals	3251	298	220	73.8
Resins, synthetic rubber, and artificial synthetic fibers and filaments	3252	206	150	72.8
Pesticides, fertilizers, and other agricultural chemicals	3253	112	80	71.4
Pharmaceuticals and medicines	3254	722	575	79.6
Soaps, cleaning compounds, and toilet preparations	3256	288	204	70.8
Paints, coatings, adhesives, and other chemicals	3255, 3259	439	334	76.1
Plastics and rubber products	326	1,020	757	74.2
Nonmetallic mineral products	327	623	454	72.9
Primary metals	331	508	371	73.0
Fabricated metal products	332	2,077	1,544	74.3
Machinery	333	2,106	1,588	75.4
Agricultural implements	33311	188	128	68.1
Semiconductor machinery	333295	63	43	68.3
Engines, turbines, and power transmission equipment	3336	154	119	77.3
Other machinery	other 333	1,701	1,298	76.3
Computer and electronic products	334	1,957	1,333	68.1
Communications equipment	3342	232	158	68.1
Semiconductors and other electronic components	3344	570	389	68.2
Navigational, measuring, electromedical, and control instruments	3345	853	575	67.4
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	212	146	68.9
Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments	334511	98	56	57.1
Other measuring and controlling devices	other 3345	543	373	68.7
Other computer and electronic products	other 334	302	211	69.9
Electrical equipment, appliances, and components	335	719	527	73.3
Transportation equipment	336	1,050	760	72.4
Motor vehicles, bodies, trailers, and parts	3361-63	543	406	74.8

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Industry	NAICS code	Active reporting units ^a	Reporting units that met the response criteria ^b	% of reporting units that met the response criteria
Aerospace products and parts	3364	252	184	73.0
Aircraft, aircraft engines, and aircraft parts	336411-13	219	158	72.1
Guided missiles, space vehicles, and related parts	336414-15, 336419	33	26	78.8
Military armored vehicles, tanks, and tank components	336992	21	15	71.4
Other transportation equipment	other 336	234	155	66.2
Furniture and related products	337	702	507	72.2
Miscellaneous manufacturing	339	1,423	1,048	73.6
Medical equipment and supplies	3391	700	509	72.7
Other miscellaneous	3399	723	539	74.6
Nonmanufacturing industries	21-23, 42-81	22,561	16,251	72.0
Mining, extraction, and support activities	21	804	606	75.4
Utilities	22	183	148	80.9
Wholesale trade	42	2,573	1,817	70.6
Electronic shopping and electronic auctions	454111-12	366	267	73.0
Transportation and warehousing	48-49	615	457	74.3
Information	51	2,666	1,960	73.5
Publishing	511	953	704	73.9
Newspaper, periodical, book, and directory publishers	5111	332	236	71.1
Software publishers	5112	621	468	75.4
Telecommunications	517	340	246	72.4
Data processing, hosting, and related services	518	865	663	76.6
Other information	other 51	508	347	68.3
Finance and insurance	52	926	723	78.1
Real estate and rental and leasing	53	570	411	72.1
Lessors of nonfinancial intangible assets (except copyrighted works)	533	85	56	65.9
Other real estate and rental and leasing	other 53	485	355	73.2
Professional, scientific, and technical services	54	7,228	5,062	70.0
Architectural, engineering, and related services	5413	1,407	1,098	78.0
Computer systems design and related services	5415	1,953	1,286	65.8
Scientific R&D services	5417	2,039	1,295	63.5
Biotechnology R&D	541711	512	284	55.5
Physical, engineering, and life sciences (except biotechnology) R&D	541712	1,324	856	64.7
Social sciences and humanities R&D	541720	203	155	76.4
Other professional, scientific, and technical services	other 54	1,829	1,383	75.6
Health care services	621-23	1,612	1,225	76.0
Other nonmanufacturing	23, 44-45 (excluding 454111-12), 55-56, 624, 71-72, 81	5,018	3,575	71.2

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Industry	NAICS code	Active reporting units ^a	Reporting units that met the response criteria ^b	% of reporting units that met the response criteria
Form BRDI-1 companies				
All industries	21-23, 31-33, 42-81	6,714	5,175	77.1
Manufacturing industries	31-33	4,043	3,253	80.5
Food	311	179	143	79.9
Beverages and tobacco products	312	28	26	92.9
Textiles, apparel, and leather products	313-16	66	54	81.8
Wood products	321	23	17	73.9
Paper	322	52	41	78.8
Printing and related support activities	323	38	28	73.7
Petroleum and coal products	324	20	16	80.0
Chemicals	325	841	708	84.2
Basic chemicals	3251	127	111	87.4
Resins, synthetic rubber, and artificial synthetic fibers and filaments	3252	56	42	75.0
Pesticides, fertilizers, and other agricultural chemicals	3253	22	17	77.3
Pharmaceuticals and medicines	3254	494	416	84.2
Soaps, cleaning compounds, and toilet preparations	3256	52	44	84.6
Paints, coatings, adhesives, and other chemicals	3255, 3259	90	78	86.7
Plastics and rubber products	326	232	176	75.9
Nonmetallic mineral products	327	57	49	86.0
Primary metals	331	72	55	76.4
Fabricated metal products	332	258	213	82.6
Machinery	333	489	398	81.4
Agricultural implements	33311	41	37	90.2
Semiconductor machinery	333295	27	21	77.8
Engines, turbines, and power transmission equipment	3336	40	35	87.5
Other machinery	other 333	381	305	80.1
Computer and electronic products	334	720	555	77.1
Communications equipment	3342	110	83	75.5
Semiconductors and other electronic components	3344	205	169	82.4
Navigational, measuring, electromedical, and control instruments	3345	310	231	74.5
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	84	59	70.2
Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments	334511	33	25	75.8
Other measuring and controlling devices	other 3345	193	147	76.2
Other computer and electronic products	other 334	95	72	75.8
Electrical equipment, appliances, and components	335	233	179	76.8
Transportation equipment	336	318	261	82.1
Motor vehicles, bodies, trailers, and parts	3361-63	186	148	79.6

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Industry	NAICS code	Active reporting units ^a	Reporting units that met the response criteria ^b	% of reporting units that met the response criteria
Aerospace products and parts	3364	80	69	86.3
Aircraft, aircraft engines, and aircraft parts	336411-13	67	56	83.6
Guided missiles, space vehicles, and related parts	336414-15, 336419	13	13	100.0
Military armored vehicles, tanks, and tank components	336992	7	6	85.7
Other transportation equipment	other 336	45	38	84.4
Furniture and related products	337	45	34	75.6
Miscellaneous manufacturing	339	372	300	80.6
Medical equipment and supplies	3391	230	183	79.6
Other miscellaneous	3399	142	117	82.4
Nonmanufacturing industries	21-23, 42-81	2,671	1,922	72.0
Mining, extraction, and support activities	21	53	44	83.0
Utilities	22	46	38	82.6
Wholesale trade	42	115	45	39.1
Electronic shopping and electronic auctions	454111-12	9	6	66.7
Transportation and warehousing	48-49	16	12	75.0
Information	51	826	651	78.8
Publishing	511	297	228	76.8
Newspaper, periodical, book, and directory publishers	5111	11	5	45.5
Software publishers	5112	286	223	78.0
Telecommunications	517	56	41	73.2
Data processing, hosting, and related services	518	384	317	82.6
Other information	other 51	89	65	73.0
Finance and insurance	52	69	53	76.8
Real estate and rental and leasing	53	11	6	54.5
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	1,352	939	69.5
Architectural, engineering, and related services	5413	204	160	78.4
Computer systems design and related services	5415	321	178	55.5
Scientific R&D services	5417	650	465	71.5
Biotechnology R&D	541711	173	102	59.0
Physical, engineering, and life sciences (except biotechnology) R&D	541712	453	341	75.3
Social sciences and humanities R&D	541720	24	22	91.7
Other professional, scientific, and technical services	other 54	177	136	76.8
Health care services	621-23	49	39	79.6
Other nonmanufacturing	23, 44-45 (excluding 454111-12), 55-56, 624, 71-72, 81	125	89	71.2

TABLE A-10. Unit response rates, by industry and survey form type: 2014

Industry	NAICS code	Active reporting units ^a	Reporting units that met the response criteria ^b	% of reporting units that met the response criteria
Form BRDI-1(S) companies				
All industries	21-23, 31-33, 42-81	34,239	24,497	71.5
Manufacturing industries	31-33	14,349	10,168	70.9
Food	311	874	609	69.7
Beverages and tobacco products	312	360	271	75.3
Textiles, apparel, and leather products	313-16	651	418	64.2
Wood products	321	598	443	74.1
Paper	322	365	258	70.7
Printing and related support activities	323	747	552	73.9
Petroleum and coal products	324	141	93	66.0
Chemicals	325	1,224	855	69.9
Basic chemicals	3251	171	109	63.7
Resins, synthetic rubber, and artificial synthetic fibers and filaments	3252	150	108	72.0
Pesticides, fertilizers, and other agricultural chemicals	3253	90	63	70.0
Pharmaceuticals and medicines	3254	228	159	69.7
Soaps, cleaning compounds, and toilet preparations	3256	236	160	67.8
Paints, coating, adhesives, and other chemicals	3255, 3259	349	256	73.4
Plastics and rubber products	326	788	581	73.7
Nonmetallic mineral products	327	566	405	71.6
Primary metals	331	436	316	72.5
Fabricated metal products	332	1,819	1,331	73.2
Machinery	333	1,617	1,190	73.6
Agricultural implements	33311	147	91	61.9
Semiconductor machinery	333295	36	22	61.1
Engines, turbines, and power transmission equipment	3336	114	84	73.7
Other machinery	other 333	1,320	993	75.2
Computer and electronic products	334	1,237	778	62.9
Communications equipment	3342	122	75	61.5
Semiconductor and other electronic components	3344	365	220	60.3
Navigational, measuring, electromedical, and control instruments	3345	543	344	63.4
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	128	87	68.0
Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments	334511	65	31	47.7
Other measuring and controlling devices	other 3345	350	226	64.6
Other computer and electronic products	other 334	207	139	67.1
Electrical equipment, appliances, and components	335	486	348	71.6
Transportation equipment	336	732	499	68.2
Motor vehicles, bodies, trailers, and parts	3361-63	357	258	72.3

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Industry	NAICS code	Active reporting units ^a	Reporting units that met the response criteria ^b	% of reporting units that met the response criteria
Aerospace products and parts	3364	172	115	66.9
Aircraft, aircraft engines, and aircraft parts	336411-13	152	102	67.1
Guided missiles, space vehicles, and related parts	336414-15, 336419	20	13	65.0
Military armored vehicles, tanks, and tank components	336992	14	9	64.3
Other transportation equipment	other 336	189	117	61.9
Furniture and related products	337	657	473	72.0
Miscellaneous manufacturing	339	1,051	748	71.2
Medical equipment and supplies	3391	470	326	69.4
Other miscellaneous	3399	581	422	72.6
Nonmanufacturing industries	21-23, 42-81	19,890	14,329	72.0
Mining, extraction, and support activities	21	751	562	74.8
Utilities	22	137	110	80.3
Wholesale trade	42	2,458	1,772	72.1
Electronic shopping and electronic auctions	454111-12	357	261	73.1
Transportation and warehousing	48-49	599	445	74.3
Information	51	1,840	1,309	71.1
Publishing	511	656	476	72.6
Newspaper, periodical, book, and directory publishers	5111	321	231	72.0
Software publishers	5112	335	245	73.1
Telecommunications	517	284	205	72.2
Data processing, hosting, and related services	518	481	346	71.9
Other information	other 51	419	282	67.3
Finance and insurance	52	857	670	78.2
Real estate and rental and leasing	53	559	405	72.5
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	5,876	4,123	70.2
Architectural, engineering, and related services	5413	1,203	938	78.0
Computer systems design and related services	5415	1,632	1,108	67.9
Scientific R&D services	5417	1,389	830	59.8
Biotechnology R&D	541711	339	182	53.7
Physical, engineering, and life sciences (except biotechnology) R&D	541712	871	515	59.1
Social sciences and humanities R&D	541720	179	133	74.3
Other professional, scientific, and technical services	other 54	1,652	1,247	75.5
Health care services	621-23	1,563	1,186	75.9
Other nonmanufacturing	23, 44-45 (excluding 454111-12), 55-56, 624, 71-72, 81	4,893	3,486	71.2

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Industry	NAICS code	Active reporting units ^a	Reporting units that met the response criteria ^b	% of reporting units that met the response criteria
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D = data withheld to avoid disclosing operations of individual companies.

NAICS = 2012 North American Industry Classification System.

^a 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.

^b 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. Form type breakout is based on the status at the time of the initial mailout.

NOTES: Companies were sent the detailed survey form (BRDI-1) if their R&D spending was at least \$1.0 million in 2012 or 2013 (except companies that did not respond in these prior 2 years). All other companies received an abbreviated form (BRDI-1(S)).

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, and U.S. Census Bureau, Business R&D and Innovation Survey, 2014.