

TABLE A-10

## Unit response rates, by industry and survey form type: 2015

(Number)

Industry	NAICS code	Active reporting units <sup>a</sup>	Reporting units that met the response criteria <sup>b</sup>	Reporting units that met the response criteria (%)
All companies				
All industries	21-23, 31-33, 42-81	40,806	32,476	79.6
Manufacturing industries	31-33	18,123	14,443	79.7
Food	311	976	749	76.7
Beverages and tobacco products	312	350	286	81.7
Textiles, apparel, and leather products	313-16	691	530	76.7
Wood products	321	645	522	80.9
Paper	322	362	298	82.3
Printing and related support activities	323	801	662	82.6
Petroleum and coal products	324	169	136	80.5
Chemicals	325	2,087	1,695	81.2
Basic chemicals	3251	307	251	81.8
Resins, synthetic rubber, and artificial synthetic fibers and filaments	3252	250	203	81.2
Pesticides, fertilizers, and other agricultural chemicals	3253	116	96	82.8
Pharmaceuticals and medicines	3254	654	538	82.3
Soaps, cleaning compounds, and toilet preparations	3256	302	237	78.5
Paints, coatings, adhesives, and other chemicals	3255, 3259	458	370	80.8
Plastics and rubber products	326	1,002	783	78.1
Nonmetallic mineral products	327	497	385	77.5
Primary metals	331	438	340	77.6
Fabricated metal products	332	2,053	1,678	81.7
Machinery	333	2,124	1,685	79.3
Agricultural implements	33311	196	156	79.6
Semiconductor machinery	333242	69	53	76.8
Engines, turbines, and power transmission equipment	3336	146	108	74.0
Other machinery	other 333	1,713	1,368	79.9
Computer and electronic products	334	1,936	1,526	78.8
Communications equipment	3342	247	198	80.2
Semiconductors and other electronic components	3344	547	440	80.4
Navigational, measuring, electromedical, and control instruments	3345	880	682	77.5
Electromedical, electrotherapeutic, and irradiation apparatuses	334510, 334517	204	152	74.5
Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments	334511	108	89	82.4
Other measuring and controlling devices	other 3345	568	441	77.6
Other computer and electronic products	other 334	262	206	78.6
Electrical equipment, appliances, and components	335	723	568	78.6
Transportation equipment	336	1,193	946	79.3

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Motor vehicles, bodies, trailers, and parts	3361-63	627	494	78.8
Aerospace products and parts	3364	273	216	79.1
Aircraft, aircraft engines, and aircraft parts	336411-13	237	191	80.6
Guided missiles, space vehicles, and related parts	336414-15, 336419	36	25	69.4
Military armored vehicles, tanks, and tank components	336992	26	22	84.6
Other transportation equipment	other 336	267	214	80.1
Furniture and related products	337	731	588	80.4
Miscellaneous manufacturing	339	1,345	1,066	79.3
Medical equipment and supplies	3391	684	543	79.4
Other miscellaneous	3399	661	523	79.1
Nonmanufacturing industries	21-23, 42-81	22,683	18,033	79.5
Mining, extraction, and support activities	21	721	593	82.2
Utilities	22	152	127	83.6
Wholesale trade	42	2,797	2,181	78.0
Electronic shopping and electronic auctions	454111-12	406	306	75.4
Transportation and warehousing	48-49	591	472	79.9
Information	51	2,547	1,902	74.7
Publishing	511	947	691	73.0
Newspaper, periodical, book, and directory publishers	5111	325	246	75.7
Software publishers	5112	622	445	71.5
Telecommunications	517	397	313	78.8
Data processing, hosting, and related services	518	767	577	75.2
Other information	other 51	436	321	73.6
Finance and insurance	52	987	817	82.8
Real estate and rental and leasing	53	553	445	80.5
Lessors of nonfinancial intangible assets (except copyrighted works)	533	86	65	75.6
Other real estate and rental and leasing	other 53	467	380	81.4
Professional, scientific, and technical services	54	7,329	5,844	79.7
Architectural, engineering, and related services	5413	1,397	1,169	83.7
Computer systems design and related services	5415	1,888	1,455	77.1
Scientific research and development services	5417	2,151	1,656	77.0
Biotechnology research and development	541711	543	412	75.9
Physical, engineering, and life sciences (except biotechnology) research and development	541712	1,435	1,101	76.7
Social sciences and humanities research and development	541720	173	143	82.7
Other professional, scientific, and technical services	other 54	1,893	1,564	82.6
Health care services	621-23	1,542	1,265	82.0

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Other nonmanufacturing	23, 44-45 (excluding 454111-12), 55-56, 624, 71-72, 81	5,058	4,081	80.7
Form BRDI-1 companies				
All industries	21-23, 31-33, 42-81	6,607	5,282	79.9
Manufacturing industries	31-33	3,935	3,213	81.7
Food	311	164	129	78.7
Beverages and tobacco products	312	24	22	91.7
Textiles, apparel, and leather products	313-16	63	55	87.3
Wood products	321	19	17	89.5
Paper	322	40	33	82.5
Printing and related support activities	323	38	28	73.7
Petroleum and coal products	324	20	18	90.0
Chemicals	325	813	681	83.8
Basic chemicals	3251	136	116	85.3
Resins, synthetic rubber, and artificial synthetic fibers and filaments	3252	58	43	74.1
Pesticides, fertilizers, and other agricultural chemicals	3253	21	20	95.2
Pharmaceuticals and medicines	3254	458	385	84.1
Soaps, cleaning compounds, and toilet preparations	3256	54	48	88.9
Paints, coatings, adhesives, and other chemicals	3255, 3259	86	69	80.2
Plastics and rubber products	326	212	163	76.9
Nonmetallic mineral products	327	60	54	90.0
Primary metals	331	74	60	81.1
Fabricated metal products	332	263	216	82.1
Machinery	333	521	416	79.8
Agricultural implements	33311	43	36	83.7
Semiconductor machinery	333242	27	20	74.1
Engines, turbines, and power transmission equipment	3336	40	29	72.5
Other machinery	other 333	411	331	80.5
Computer and electronic products	334	708	581	82.1
Communications equipment	3342	108	92	85.2
Semiconductors and other electronic components	3344	198	164	82.8
Navigational, measuring, electromedical, and control instruments	3345	305	249	81.6
Electromedical, electrotherapeutic, and irradiation apparatuses	334510, 334517	81	62	76.5
Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments	334511	39	34	87.2
Other measuring and controlling devices	other 3345	185	153	82.7
Other computer and electronic products	other 334	97	76	78.4

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Electrical equipment, appliances, and components	335	208	168	80.8
Transportation equipment	336	322	271	84.2
Motor vehicles, bodies, trailers, and parts	3361-63	189	158	83.6
Aerospace products and parts	3364	82	68	82.9
Aircraft, aircraft engines, and aircraft parts	336411-13	68	59	86.8
Guided missiles, space vehicles, and related parts	336414-15, 336419	14	9	64.3
Military armored vehicles, tanks, and tank components	336992	7	6	85.7
Other transportation equipment	other 336	44	39	88.6
Furniture and related products	337	44	28	63.6
Miscellaneous manufacturing	339	342	273	79.8
Medical equipment and supplies	3391	226	174	77.0
Other miscellaneous	3399	116	99	85.3
Nonmanufacturing industries	21-23, 42-81	2,672	2,069	77.4
Mining, extraction, and support activities	21	55	49	89.1
Utilities	22	40	36	90.0
Wholesale trade	42	106	58	54.7
Electronic shopping and electronic auctions	454111-12	11	9	81.8
Transportation and warehousing	48-49	16	12	75.0
Information	51	791	602	76.1
Publishing	511	300	225	75.0
Newspaper, periodical, book, and directory publishers	5111	6	5	83.3
Software publishers	5112	294	220	74.8
Telecommunications	517	58	43	74.1
Data processing, hosting, and related services	518	353	274	77.6
Other information	other 51	80	60	75.0
Finance and insurance	52	92	78	84.8
Real estate and rental and leasing	53	11	9	81.8
Lessors of nonfinancial intangible assets (except copyrighted works)	533	3	3	100.0
Other real estate and rental and leasing	other 53	8	6	75.0
Professional, scientific, and technical services	54	1,400	1,097	78.4
Architectural, engineering, and related services	5413	194	154	79.4
Computer systems design and related services	5415	340	262	77.1
Scientific research and development services	5417	703	559	79.5
Biotechnology research and development	541711	205	155	75.6
Physical, engineering, and life sciences (except biotechnology) research and development	541712	481	389	80.9
Social sciences and humanities research and development	541720	17	15	88.2

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Other professional, scientific, and technical services	other 54	163	122	74.8
Health care services	621-23	45	31	68.9
Other nonmanufacturing	23, 44-45 (excluding 454111-12), 55-56, 624, 71-72, 81	105	88	83.8
Form BRDI-1(S) companies				
All industries	21-23, 31-33, 42-81	34,199	27,194	79.5
Manufacturing industries	31-33	14,188	11,230	79.2
Food	311	812	620	76.4
Beverages and tobacco products	312	326	264	81.0
Textiles, apparel, and leather products	313-16	628	475	75.6
Wood products	321	626	505	80.7
Paper	322	322	265	82.3
Printing and related support activities	323	763	634	83.1
Petroleum and coal products	324	149	118	79.2
Chemicals	325	1,274	1,014	79.6
Basic chemicals	3251	171	135	78.9
Resins, synthetic rubber, and artificial synthetic fibers and filaments	3252	192	160	83.3
Pesticides, fertilizers, and other agricultural chemicals	3253	95	76	80.0
Pharmaceuticals and medicines	3254	196	153	78.1
Soaps, cleaning compounds, and toilet preparations	3256	248	189	76.2
Paints, coatings, adhesives, and other chemicals	3255, 3259	372	301	80.9
Plastics and rubber products	326	790	620	78.5
Nonmetallic mineral products	327	437	331	75.7
Primary metals	331	364	280	76.9
Fabricated metal products	332	1,790	1,462	81.7
Machinery	333	1,603	1,269	79.2
Agricultural implements	33311	153	120	78.4
Semiconductor machinery	333242	42	33	78.6
Engines, turbines, and power transmission equipment	3336	106	79	74.5
Other machinery	other 333	1,302	1,037	79.6
Computer and electronic products	334	1,228	945	77.0
Communications equipment	3342	139	106	76.3
Semiconductors and other electronic components	3344	349	276	79.1
Navigational, measuring, electromedical, and control instruments	3345	575	433	75.3
Electromedical, electrotherapeutic, and irradiation apparatuses	334510, 334517	123	90	73.2
Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments	334511	69	55	79.7

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Other measuring and controlling devices	other 3345	383	288	75.2
Other computer and electronic products	other 334	165	130	78.8
Electrical equipment, appliances, and components	335	515	400	77.7
Transportation equipment	336	871	675	77.5
Motor vehicles, bodies, trailers, and parts	3361-63	438	336	76.7
Aerospace products and parts	3364	191	148	77.5
Aircraft, aircraft engines, and aircraft parts	336411-13	169	132	78.1
Guided missiles, space vehicles, and related parts	336414-15, 336419	22	16	72.7
Military armored vehicles, tanks, and tank components	336992	19	16	84.2
Other transportation equipment	other 336	223	175	78.5
Furniture and related products	337	687	560	81.5
Miscellaneous manufacturing	339	1,003	793	79.1
Medical equipment and supplies	3391	458	369	80.6
Other miscellaneous	3399	545	424	77.8
Nonmanufacturing industries	21-23, 42-81	20,011	15,964	79.8
Mining, extraction, and support activities	21	666	544	81.7
Utilities	22	112	91	81.3
Wholesale trade	42	2,691	2,123	78.9
Electronic shopping and electronic auctions	454111-12	395	297	75.2
Transportation and warehousing	48-49	575	460	80.0
Information	51	1,756	1,300	74.0
Publishing	511	647	466	72.0
Newspaper, periodical, book, and directory publishers	5111	319	241	75.5
Software publishers	5112	328	225	68.6
Telecommunications	517	339	270	79.6
Data processing, hosting, and related services	518	414	303	73.2
Other information	other 51	356	261	73.3
Finance and insurance	52	895	739	82.6
Real estate and rental and leasing	53	542	436	80.4
Lessors of nonfinancial intangible assets (except copyrighted works)	533	83	62	74.7
Other real estate and rental and leasing	other 53	459	374	81.5
Professional, scientific, and technical services	54	5,929	4,747	80.1
Architectural, engineering, and related services	5413	1,203	1,015	84.4
Computer systems design and related services	5415	1,548	1,193	77.1
Scientific research and development services	5417	1,448	1,097	75.8
Biotechnology research and development	541711	338	257	76.0

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Industry	NAICS code	Active reporting units <sup>a</sup>	Reporting units that met the response criteria <sup>b</sup>	Reporting units that met the response criteria (%)
Physical, engineering, and life sciences (except biotechnology) research and development	541712	954	712	74.6
Social sciences and humanities research and development	541720	156	128	82.1
Other professional, scientific, and technical services	other 54	1,730	1,442	83.4
Health care services	621-23	1,497	1,234	82.4
Other nonmanufacturing	23, 44-45 (excluding 454111-12), 55-56, 624, 71-72, 81	4,953	3,993	80.6

NAICS = 2012 North American Industry Classification System.

<sup>a</sup> Active reporting units are defined as reporting units of active companies that are in the scope of the survey (for-profit companies with locations in the United States, 5 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. Form type breakout is based on the status at the time of the initial mailout.

**Note(s)**

Companies were sent the detailed survey form (BRDI-1) if their R&D spending was at least \$1.0 million in 2013 or 2014 (except companies that did not respond in these prior 2 years). All other companies received an abbreviated form (BRDI-1(S)).

**Source(s)**

National Science Foundation, National Center for Science and Engineering Statistics, and U.S. Census Bureau, Business R&D and Innovation Survey, 2015.