

TABLE A-2. Unit response rates, by industry and company size: 2008

Industry and company size	NAICS code	Active companies ^a	Companies that met response criteria ^b	% of companies that met response criteria
		All companies		
All industries	21-23, 31-33, 42-81	38,551	28,586	74.2
Manufacturing industries	31-33	17,241	12,680	73.5
Food	311	1,048	744	71.0
Beverage and tobacco products	312	269	209	77.7
Textiles, apparel, and leather products	313-316	722	488	67.6
Wood products	321	664	510	76.8
Paper	322	298	213	71.5
Printing and related support activities	323	616	463	75.2
Petroleum and coal products	324	210	144	68.6
Chemicals	325	1,693	1,280	75.6
Basic chemicals	3251	321	235	73.2
Resin, synthetic rubber, fibers, and filaments	3252	203	148	72.9
Pesticide, fertilizer, and other agricultural chemical	3253	59	55	93.2
Pharmaceuticals and medicines	3254	480	388	80.8
Soap, cleaning compound, and toilet preparation	3256	212	152	71.7
Paint, coating, adhesive, and other chemical	3255, 3259	418	302	72.2
Plastics and rubber products	326	1,070	790	73.8
Nonmetallic mineral products	327	654	491	75.1
Primary metals	331	447	329	73.6
Fabricated metal products	332	1,706	1,300	76.2
Machinery	333	1,525	1,133	74.3
Agricultural implements	33311	97	69	71.1
Semiconductor machinery	333295	50	38	76.0
Engine, turbine, and power transmission equipment	3336	78	67	85.9
Other machinery	other 333	1,300	959	73.8
Computer and electronic products	334	2,138	1,489	69.6
Communications equipment	3342	348	237	68.1
Semiconductor and other electronic components	3344	673	483	71.8
Navigational, measuring, electromedical, and control instruments	3345	617	437	70.8
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	129	81	62.8
Search, detection, navigation, guidance, aeronautical, and nautical system and instruments	334511	87	70	80.5
Other measuring and controlling instruments	other 3345	401	286	71.3
Computer and peripheral equipment and other computer and electronic products	other 334	500	332	66.4
Electrical equipment, appliances, and components	335	727	529	72.8
Transportation equipment	336	1,078	763	70.8
Automobiles, bodies, trailers, and parts	3361-3363	545	378	69.4
Aerospace products and parts	3364	233	174	74.7
Aircraft, aircraft engine, and aircraft parts	336411-336413	211	155	73.5
Guided missile, space vehicle, and related parts	336414, 336415, 336419	22	19	86.4
Military armored vehicle, tank, and tank components	336992	12	7	58.3
Other transportation equipment	other 336	288	204	70.8
Furniture and related products	337	787	595	75.6
Miscellaneous manufacturing	339	1,589	1,210	76.1
Medical equipment and supplies	3391	679	525	77.3
Other miscellaneous manufacturing	3399	910	685	75.3
Nonmanufacturing industries	21-23, 42-81	21,310	15,906	74.6
Mining, extraction, and support activities	21	709	538	75.9
Utilities	22	334	253	75.7
Construction	23	1,526	1,216	79.7
Wholesale trade	42	3,670	2,679	73.0
Retail trade	44, 45	1,557	1,183	76.0

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Industry and company size	NAICS code	Active companies ^a	Companies that met response criteria ^b	% of companies that met response criteria
Electronic shopping and mail-order houses	4541	290	205	70.7
Other retail trade	other 44, 45	1,267	978	77.2
Transportation and warehousing	48, 49	552	437	79.2
Information	51	2,896	2,038	70.4
Publishing	511	1,304	967	74.2
Newspaper, periodical, book, and directory publishers	5111	415	309	74.5
Software publishers	5112	889	658	74.0
Telecommunications	517	433	283	65.4
Internet service providers, Web search portals, and data processing services	518	676	457	67.6
Other information	other 51	483	331	68.5
Finance and insurance	52	721	540	74.9
Real estate and rental and leasing	53	365	293	80.3
Professional, scientific, and technical services	54	4,571	3,414	74.7
Architectural, engineering, and related services	5413	1,022	833	81.5
Computer systems design and related services	5415	1,462	1,011	69.2
Scientific R&D services	5417	980	688	70.2
Other professional, scientific, and technical services	other 54	1,107	882	79.7
Health care services	621–623	1,467	1,206	82.2
Other nonmanufacturing	55, 56, 61, 624, 71, 72, 81	2,942	2,109	71.7
Form BRDI-1 companies				
All industries	21–23, 31–33, 42–81	4,848	3,565	73.5
Manufacturing industries	31–33	2,819	2,179	77.3
Food	311	92	74	80.4
Beverage and tobacco products	312	21	19	90.0
Textile, apparel, and leather products	313–316	41	28	68.3
Wood products	321	15	11	73.3
Paper	322	44	32	72.7
Printing and related support activities	323	11	8	72.7
Petroleum and coal products	324	13	9	69.2
Chemicals	325	471	393	83.4
Basic chemicals	3251	95	67	70.5
Resin, synthetic rubber, fibers, and filaments	3252	26	23	88.5
Pesticide, fertilizer, and other agricultural chemical	3253	6	6	100.0
Pharmaceuticals and medicines	3254	262	230	87.8
Soap, cleaning compound, and toilet preparations	3256	34	29	85.3
Paint, coating, adhesive, and other chemicals	3255, 3259	48	38	79.2
Plastics and rubber products	326	143	111	77.6
Nonmetallic mineral products	327	50	41	82.0
Primary metals	331	43	35	81.4
Fabricated metal products	332	134	101	75.4
Machinery	333	302	224	74.2
Agricultural implements	33311	19	12	63.2
Semiconductor machinery	333295	31	24	77.4
Engine, turbine, and power transmission equipment	3336	19	17	89.5
Other machinery	other 333	233	171	73.4
Computer and electronic products	334	715	528	73.8
Communications equipment	3342	145	106	73.1
Semiconductor and other electronic components	3344	214	172	80.4
Navigational, measuring, electromedical, and control instruments	3345	233	158	67.8
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	58	36	62.1
Search, detection, navigation, guidance, aeronautical, and nautical system and instruments	334511	41	35	85.4
Other measuring and controlling instruments	other 3345	134	87	64.9

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Industry and company size	NAICS code	Active companies ^a	Companies that met response criteria ^b	% of companies that met response criteria
Computer and peripheral equipment and other computer and electronic products	other 334	123	92	74.8
Electrical equipment, appliances, and components	335	147	104	70.7
Transportation equipment	336	256	210	82.0
Automobiles, bodies, trailers, and parts	3361–3363	151	123	81.5
Aerospace products and parts	3364	66	57	86.4
Aircraft, aircraft engine, and aircraft parts	336411–336413	56	48	85.7
Guided missile, space vehicle, and related parts	336414, 336415, 336419	10	9	90.0
Military armored vehicle, tank, and tank components	336992	5	4	80.0
Other transportation equipment	other 336	34	26	76.5
Furniture and related products	337	32	22	68.8
Miscellaneous manufacturing	339	289	229	79.2
Medical equipment and supplies	3391	200	159	79.5
Other miscellaneous manufacturing	3399	89	70	78.7
Nonmanufacturing industries	21–23, 42–81	2,029	1,386	68.3
Mining, extraction, and support activities	21	28	23	82.1
Utilities	22	34	30	88.2
Construction	23	20	18	90.0
Wholesale trade	42	151	61	40.4
Retail trade	44, 45	15	8	53.3
Electronic shopping and mail-order houses	4541	4	2	50.0
Other retail trade	other 44, 45	11	6	54.5
Transportation and warehousing	48, 49	20	13	65.0
Information	51	574	407	70.9
Publishing	511	397	281	70.8
Newspaper, periodical, book, and directory publishers	5111	13	6	46.2
Software publishers	5112	384	275	71.6
Telecommunications	517	42	27	64.3
Internet service providers, Web search portals, and data processing services	518	101	78	77.2
Other information	other 51	34	21	61.8
Finance and insurance	52	55	44	80.0
Real estate and rental and leasing	53	8	7	87.5
Professional, scientific, and technical services	54	1,007	697	69.2
Architectural, engineering, and related services	5413	114	78	68.4
Computer systems design and related services	5415	314	199	63.4
Scientific R&D services	5417	474	336	70.9
Other professional, scientific, and technical services	other 54	105	84	80.0
Health care services	621–623	32	24	75.0
Other nonmanufacturing	55, 56, 61, 624, 71, 72, 81	85	54	63.5
Form BRDI-1A companies				
All industries	21–23, 31–33, 42–81	33,703	25,021	74.2
Manufacturing industries	31–33	14,422	10,501	72.8
Food	311	956	670	70.1
Beverage and tobacco products	312	248	190	76.6
Textile, apparel, and leather products	313–316	681	460	67.5
Wood products	321	649	499	76.9
Paper	322	254	181	71.3
Printing and related support activities	323	605	455	75.2
Petroleum and coal products	324	197	135	68.5
Chemicals	325	1,222	887	72.6
Basic chemicals	3251	226	168	74.3
Resin, synthetic rubber, fibers, and filaments	3252	177	125	70.6
Pesticide, fertilizer, and other agricultural chemical	3253	53	49	92.5
Pharmaceuticals and medicines	3254	218	158	72.5
Soap, cleaning compound, and toilet preparations	3256	178	123	69.1

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Industry and company size	NAICS code	Active companies ^a	Companies that met response criteria ^b	% of companies that met response criteria
Paint, coating, adhesive, and other chemicals	3255, 3259	370	264	71.4
Plastics and rubber products	326	927	679	73.2
Nonmetallic mineral products	327	604	450	74.5
Primary metals	331	404	294	72.8
Fabricated metal products	332	1,572	1,199	76.3
Machinery	333	1,223	909	74.3
Agricultural implements	33311	78	57	73.1
Semiconductor machinery	333295	19	14	73.7
Engine, turbine, and power transmission equipment	3336	59	50	84.7
Other machinery	other 333	1,067	788	73.9
Computer and electronic products	334	1,423	961	67.5
Communications equipment	3342	203	131	64.5
Semiconductor and other electronic components	3344	459	311	67.8
Navigational, measuring, electromedical, and control instruments	3345	384	279	72.7
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	71	45	63.4
Search, detection, navigation, guidance, aeronautical, and nautical system and instruments	334511	46	35	76.1
Other measuring and controlling instruments	other 3345	267	199	74.5
Computer and peripheral equipment and other computer and electronic products	other 334	377	240	63.7
Electrical equipment, appliances, and components	335	580	425	73.3
Transportation equipment	336	822	553	67.3
Automobiles, bodies, trailers, and parts	3361–3363	394	255	64.7
Aerospace products and parts	3364	167	117	70.1
Aircraft, aircraft engine, and aircraft parts	336411–336413	155	107	69.0
Guided missile, space vehicle, and related parts	336414, 336415, 336419	12	10	83.3
Military armored vehicle, tank, and tank components	336992	7	3	42.9
Other transportation equipment	other 336	254	178	70.1
Furniture and related products	337	755	573	75.9
Miscellaneous manufacturing	339	1,300	981	75.5
Medical equipment and supplies	3391	479	366	76.4
Other miscellaneous manufacturing	3399	821	615	74.9
Nonmanufacturing industries	21–23, 42–81	19,281	14,520	75.3
Mining, extraction, and support activities	21	681	515	75.6
Utilities	22	300	223	74.3
Construction	23	1,506	1,198	79.5
Wholesale trade	42	3,519	1,618	46.0
Retail trade	44, 45	1,542	1,175	76.2
Electronic shopping and mail-order houses	4541	286	203	71.0
Other retail trade	other 44, 45	1,256	972	77.4
Transportation and warehousing	48, 49	532	424	79.7
Information	51	2,322	1,631	70.2
Publishing	511	907	686	75.6
Newspaper, periodical, book, and directory publishers	5111	402	303	75.4
Software publishers	5112	505	383	75.8
Telecommunications	517	391	256	65.5
Internet service providers, Web search portals, and data processing services	518	575	379	65.9
Other information	other 51	449	310	69.0
Finance and insurance	52	666	496	74.5
Real estate and rental and leasing	53	357	286	80.1
Professional, scientific, and technical services	54	3,564	2,717	76.2
Architectural, engineering, and related services	5413	908	755	83.1
Computer systems design and related services	5415	1,148	812	70.7
Scientific R&D services	5417	506	352	69.6

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Industry and company size	NAICS code	Active companies ^a	Companies that met response criteria ^b	% of companies that met response criteria
Other professional, scientific, and technical services	other 54	1,002	798	79.6
Health care services	621-623	1,435	1,182	82.4
Other nonmanufacturing	55, 56, 61, 624, 71, 72, 81	2,857	2,055	71.9

NAICS = 2002 North American Industry Classification System.

^a Active companies are defined as companies that are in scope of survey after all data have been processed.

^b Companies are considered to have fulfilled response criteria for these tables if they were located in United States and reported that they performed or funded R&D.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics and U.S. Census Bureau, Business R&D and Innovation Survey, 2008.