

TABLE 61. Companies that introduced new or significantly improved processes, by industry, industry proportions, and company size: 2012–14
(Number and percent)

Industry and NAICS code	Companies (number) ^a	New or significantly improved products or processes		Companies (number) ^b	New or significantly improved processes								
		Yes	No		Any processes		Manufacturing or production methods		Logistics, delivery, or distribution methods		Support activities		
					Yes ^c	No ^d	Yes	No	Yes	No	Yes	No	
All industries	21–23, 31–33, 42–81	1,273,330	196,623	1,076,707	1,259,264	146,910	1,112,354	58,191	1,208,952	52,427	1,209,842	110,692	1,154,109
Manufacturing industries	31–33	104,217	33,391	70,826	103,367	24,985	78,382	18,914	84,906	7,241	96,251	14,919	88,614
Food	311	9,148	2,717	6,431	9,136	2,147	6,989	1,383	7,764	691	8,416	1,349	7,797
Beverages and tobacco products	312	1,809	665	1,144	1,799	476	1,323	311	1,498	198	1,605	346	1,459
Textiles, apparel, and leather products	313–316	4,006	1,064	2,943	3,988	904	3,084	546	3,457	381	3,615	542	3,440
Wood products	321	4,848	752	4,096	4,826	691	4,134	580	4,258	267	4,548	361	4,443
Paper	322	1,163	326	836	1,150	268	882	193	957	82	1,069	171	980
Printing and related support activities	323	8,080	1,846	6,234	8,070	1,627	6,443	1,155	6,924	410	7,641	940	7,132
Petroleum and coal products	324	393	144	249	393	81	312	77	316	21	373	38	356
Chemicals	325	5,022	2,043	2,979	4,965	1,333	3,631	978	4,036	391	4,608	945	4,029
Basic chemicals	3251	595	270	325	594	221	373	199	396	46	549	151	443
Resins, synthetic rubber, and artificial synthetic fibers and filaments	3252	472	160	312	471	131	340	93	378	30	441	73	398
Pesticides, fertilizers, and other agricultural chemicals	3253	264	82	183	249	69	180	50	214	13	252	48	201
Pharmaceuticals and medicines	3254	1,336	586	750	1,320	366	953	244	1,089	155	1,164	323	1,008
Soaps, cleaning compounds, and toilet preparations	3256	851	391	460	848	202	646	159	689	58	789	151	696
Paints, coatings, adhesives, and other chemicals	3255, 3259	1,504	555	950	1,484	345	1,139	233	1,270	90	1,414	200	1,283
Plastics and rubber products	326	5,082	1,717	3,365	5,056	1,385	3,672	1,153	3,923	347	4,730	777	4,284
Nonmetallic mineral products	327	4,476	1,057	3,420	4,431	860	3,570	565	3,855	174	4,252	455	3,978
Primary metals	331	1,715	400	1,315	1,692	331	1,362	239	1,454	92	1,599	217	1,476
Fabricated metal products	332	22,080	5,942	16,139	21,761	5,137	16,624	4,158	17,821	1,291	20,633	2,905	19,003
Machinery	333	10,759	4,427	6,332	10,701	2,771	7,930	2,319	8,419	563	10,076	1,463	9,178
Agricultural implements	33311	463	204	258	450	120	330	106	356	29	368	40	369
Semiconductor machinery	333295	96	83	13	96	17	79	16	80	10	86	6	90
Engines, turbines, and power transmission equipment	3336	346	91	255	345	65	280	57	289	27	317	46	298
Other machinery	other 333	9,854	4,049	5,805	9,810	2,569	7,241	2,141	7,693	498	9,305	1,371	8,421
Computer and electronic products	334	5,146	2,823	2,323	5,060	1,735	3,325	1,159	3,908	453	4,627	1,100	4,019
Communications equipment	3342	616	367	249	614	190	424	102	512	90	524	104	510
Semiconductors and other electronic components	3344	1,707	785	922	1,638	595	1,042	458	1,184	169	1,527	328	1,370
Navigational, measuring, electromedical, and control instruments	3345	2,021	1,125	896	2,011	654	1,357	435	1,578	120	1,854	461	1,550
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	434	154	280	431	103	328	89	343	25	401	58	375
Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments	334511	209	59	149	209	39	169	36	172	19	188	22	186
Other measuring and controlling devices	other 3345	1,378	911	467	1,371	511	860	310	1,063	75	1,264	381	989
Other computer and electronic products	other 334	803	546	257	798	297	501	164	634	74	722	207	590
Electrical equipment, appliances, and components	335	2,884	1,485	1,399	2,861	1,019	1,841	861	2,015	417	2,456	693	2,171
Transportation equipment	336	4,018	1,637	2,380	4,001	1,259	2,741	1,069	2,939	364	3,628	695	3,291
Automobiles, bodies, trailers, and parts	3361–63	2,525	1,017	1,508	2,523	802	1,721	653	1,871	134	2,374	391	2,118
Aerospace products and parts	3364	739	288	451	726	228	499	220	513	124	608	185	541
Aircraft, aircraft engines, and aircraft parts	336411–13	714	274	440	701	218	484	213	495	D	D	180	521

TABLE 61. Companies that introduced new or significantly improved processes, by industry, industry proportions, and company size: 2012–14
(Number and percent)

Industry and NAICS code	Companies (number) ^a	New or significantly improved products or processes			Companies (number) ^b	New or significantly improved processes							
		Yes	No	Any processes		Manufacturing or production methods		Logistics, delivery, or distribution methods		Support activities			
				Yes ^c		No ^d	Yes	No	Yes	No	Yes	No	
Guided missiles, space vehicles, and related parts	336414–15, 336419	25	14	11	25	10	15	7	18	D	D	5	20
Military armored vehicles, tanks, and tank components	336992	64	11	53	64	8	56	6	58	D	D	6	58
Other transportation	other 336	689	321	368	687	221	466	190	497	D	D	113	574
Furniture and related products	337	5,341	1,373	3,969	5,291	1,058	4,234	763	4,546	389	4,895	701	4,598
Miscellaneous manufacturing	339	8,247	2,974	5,272	8,186	1,901	6,285	1,405	6,818	709	7,481	1,222	6,980
Medical equipment and supplies	3391	2,649	1,149	1,501	2,619	820	1,799	607	2,018	355	2,266	537	2,083
Other miscellaneous manufacturing	3399	5,597	1,826	3,771	5,567	1,081	4,486	798	4,800	354	5,215	685	4,897
Nonmanufacturing industries	21–23, 42–81	1,169,113	163,232	1,005,881	1,155,897	121,925	1,033,972	39,277	1,124,046	45,186	1,113,591	95,772	1,065,496
Mining, extraction, and support activities	21	6,884	682	6,202	6,776	533	6,243	351	6,530	278	6,596	349	6,437
Utilities	22	865	129	736	824	121	704	45	780	9	814	118	708
Wholesale trade	42	87,724	18,365	69,358	86,800	13,354	73,446	5,735	81,528	6,411	80,724	9,817	76,980
Electronic shopping and electronic auctions	454111–12	3,182	718	2,464	3,128	570	2,558	326	2,796	419	2,763	393	2,786
Transportation and warehousing	48–49	36,759	4,636	32,123	36,754	4,329	32,425	268	36,238	3,266	33,242	2,328	34,179
Information	51	18,082	5,974	12,108	17,955	3,786	14,169	1,505	16,507	2,106	15,864	2,391	15,651
Publishing	511	6,559	2,160	4,399	6,474	1,368	5,106	737	5,755	735	5,743	904	5,650
Newspaper, periodical, book, and directory publishers	5111	4,170	564	3,606	4,105	367	3,738	202	3,902	168	3,937	153	4,017
Software publishers	5112	2,389	1,596	793	2,369	1,001	1,368	535	1,853	567	1,805	751	1,633
Telecommunications	517	2,980	1,058	1,922	2,979	591	2,388	184	2,796	446	2,532	315	2,664
Data processing, hosting, and related services	518	2,884	1,347	1,537	2,881	893	1,988	376	2,507	399	2,482	724	2,158
Other information	other 51	5,659	1,408	4,251	5,621	933	4,687	207	5,449	527	5,107	447	5,179
Finance and insurance	52	40,875	6,080	34,795	40,821	5,506	35,315	1,783	39,089	2,095	38,726	4,740	36,132
Real estate and rental and leasing	53	37,481	3,133	34,349	37,230	2,372	34,858	494	36,738	1,251	36,230	2,103	35,376
Lessors of nonfinancial intangible assets (except copyrighted works)	533	296	249	47	295	247	48	237	59	235	61	244	51
Other real estate and rental and leasing	other 53	37,185	2,884	34,302	36,935	2,125	34,810	257	36,679	1,016	36,169	1,859	35,325
Professional, scientific, and technical services	54	142,038	26,143	115,895	141,000	18,214	122,786	6,492	134,906	5,070	135,701	13,858	127,563
Architectural, engineering, and related services	5413	23,451	4,699	18,752	23,260	3,107	20,153	1,706	21,738	938	22,305	1,999	21,324
Computer systems design and related services	5415	19,947	7,349	12,598	19,737	4,446	15,291	1,786	18,100	1,623	18,097	3,540	16,294
Scientific R&D services	5417	2,650	1,161	1,489	2,633	652	1,982	491	2,150	182	2,455	373	2,263
Biotechnology R&D	541711	612	334	278	610	156	454	124	486	53	557	97	514
Physical, engineering, and life sciences (except biotechnology) R&D	541712	1,846	782	1,064	1,833	459	1,373	347	1,491	112	1,723	252	1,582
Social sciences and humanities R&D	541720	192	46	146	191	37	154	19	173	17	175	24	167
Other professional, scientific, and technical services	other 54	95,989	12,933	83,056	95,369	10,009	85,359	2,508	92,918	2,327	92,844	7,946	87,681
Health care services	621–23	158,299	27,427	130,873	155,996	21,252	134,744	5,699	151,843	7,738	148,558	18,665	138,575
Other nonmanufacturing	23, 44–45 (excluding 454111–12), 55–56, 624, 71–72, 81	636,924	69,947	566,977	628,615	51,889	576,726	16,578	617,091	16,543	614,373	41,010	591,110
All companies (number of domestic employees)	–	1,273,330	196,623	1,076,707	1,259,264	146,910	1,112,354	58,191	1,208,952	52,427	1,209,842	110,692	1,154,109
Small companies ^e 5–499	–	1,263,029	194,201	1,068,828	1,249,247	145,001	1,104,246	57,138	1,199,977	51,581	1,200,672	109,324	1,145,466

TABLE 61. Companies that introduced new or significantly improved processes, by industry, industry proportions, and company size: 2012–14
(Number and percent)

Industry and NAICS code	Companies (number) ^a	New or significantly improved products or processes		Companies (number) ^b	New or significantly improved processes								
		Yes	No		Any processes		Manufacturing or production methods		Logistics, delivery, or distribution methods		Support activities		
					Yes ^c	No ^d	Yes	No	Yes	No	Yes	No	
5–99	–	1,210,710	184,337	1,026,373	1,197,394	137,875	1,059,519	53,788	1,151,114	49,094	1,151,228	103,907	1,098,654
5–49	–	1,133,128	169,508	963,619	1,120,633	126,315	994,318	48,073	1,079,530	44,200	1,079,919	95,392	1,029,930
5–9	–	495,222	66,263	428,959	489,658	50,248	439,410	17,100	475,199	17,291	473,269	38,582	453,305
10–24	–	463,289	72,785	390,503	458,372	54,520	403,852	22,605	438,587	19,725	440,475	40,348	419,525
25–49	–	174,616	30,460	144,156	172,603	21,547	151,056	8,369	165,745	7,185	166,174	16,461	157,100
50–99	–	77,583	14,829	62,754	76,761	11,560	65,201	5,715	71,584	4,893	71,309	8,515	68,724
100–249	–	41,903	7,412	34,491	41,482	5,541	35,941	2,489	39,347	1,990	39,576	4,267	37,590
250–499	–	10,415	2,452	7,963	10,371	1,585	8,786	862	9,516	498	9,868	1,150	9,222
Medium and large companies													
500–999	–	4,995	1,057	3,937	4,738	871	3,867	429	4,311	272	4,460	598	4,137
1,000–4,999	–	4,218	934	3,285	4,200	726	3,474	379	3,829	351	3,852	513	3,685
5,000–9,999	–	380	136	244	378	108	270	82	297	63	316	81	296
10,000–24,999	–	522	226	295	517	145	372	111	406	113	405	126	392
25,000 or more	–	186	68	118	183	58	125	52	132	46	137	49	133
Industry proportions													
Industry and NAICS code	Companies (number) ^a	New or significantly improved products or processes (percent)		Companies (number) ^b	New or significantly improved processes (percent) ^f								
		Yes	No		Any processes		Manufacturing or production methods		Logistics, delivery, or distribution methods		Support activities		
					Yes	No	Yes	No	Yes	No	Yes	No	
All industries	21–23, 31–33, 42–81	1,273,330	15.4	84.6	1,259,264	11.7	88.3	4.6	96.0	4.2	96.1	8.8	91.6
Manufacturing industries	31–33	104,217	32.0	68	103,367	24.2	75.8	18.3	82.1	7.0	93.1	14.4	85.7
Food	311	9,148	29.7	70.3	9,136	23.5	76.5	15.1	85.0	7.6	92.1	14.8	85.3
Beverages and tobacco products	312	1,809	36.8	63.2	1,799	26.5	73.5	17.3	83.3	11.0	89.2	19.2	81.1
Textiles, apparel, and leather products	313–16	4,006	26.6	73.4	3,988	22.7	77.3	13.7	86.7	9.6	90.7	13.6	86.3
Wood products	321	4,848	15.5	84.5	4,826	14.3	85.7	12.0	88.2	5.5	94.2	7.5	92.1
Paper	322	1,163	28.1	71.9	1,150	23.3	76.7	16.8	83.2	7.1	92.9	14.8	85.2
Printing and related support activities	323	8,080	22.8	77.2	8,070	20.2	79.8	14.3	85.8	5.1	94.7	11.7	88.4
Petroleum and coal products	324	393	36.7	63.3	393	20.7	79.3	19.6	80.4	5.3	94.7	9.6	90.4
Chemicals	325	5,022	40.7	59.3	4,965	26.9	73.1	19.7	81.3	7.9	92.8	19.0	81.2
Basic chemicals	3251	595	45.4	54.6	594	37.2	62.8	33.5	66.7	7.7	92.5	25.4	74.6
Resins, synthetic rubber, and artificial synthetic fibers and filaments	3252	472	33.9	66.1	471	27.9	72.1	19.7	80.3	6.5	93.7	15.5	84.5
Pesticides, fertilizers, and other agricultural chemicals	3253	264	30.9	69.1	249	27.6	72.4	20.1	86.1	5.1	101.1	19.4	80.6
Pharmaceuticals and medicines	3254	1,336	43.9	56.1	1,320	27.7	72.3	18.5	82.5	11.7	88.2	24.5	76.4
Soaps, cleaning compounds, and toilet preparations	3256	851	45.9	54.1	848	23.8	76.2	18.8	81.3	6.8	93.0	17.8	82.1
Paints, coatings, adhesives, and other chemicals	3255, 3259	1,504	36.9	63.1	1,484	23.2	76.8	15.7	85.6	6.0	95.3	13.4	86.5
Plastics and rubber products	326	5,082	33.8	66.2	5,056	27.4	72.6	22.8	77.6	6.9	93.5	15.4	84.7
Nonmetallic mineral products	327	4,476	23.6	76.4	4,431	19.4	80.6	12.8	87.0	3.9	96.0	10.3	89.8
Primary metals	331	1,715	23.3	76.7	1,692	19.6	80.4	14.1	85.9	5.4	94.5	12.8	87.2
Fabricated metal products	332	22,080	26.9	73.1	21,761	23.6	76.4	19.1	81.9	5.9	94.8	13.4	87.3
Machinery	333	10,759	41.2	58.8	10,701	25.9	74.1	21.7	78.7	5.3	94.2	13.7	85.8

TABLE 61. Companies that introduced new or significantly improved processes, by industry, industry proportions, and company size: 2012–14
(Number and percent)

Industry and NAICS code	Companies (number) ^a	Industry proportions											
		New or significantly improved products or processes (percent)		Companies (number) ^b	New or significantly improved processes (percent) ^f								
		Yes	No		Any processes		Manufacturing or production methods		Logistics, delivery, or distribution methods		Support activities		
				Yes	No	Yes	No	Yes	No	Yes	No		
Agricultural implements	33311	463	44.2	55.8	450	26.8	73.2	23.5	79.2	6.4	81.7	8.8	81.9
Semiconductor machinery	333295	96	86.5	13.5	96	17.5	82.5	16.4	83.6	10.6	89.4	6.2	93.8
Engines, turbines, and power transmission equipment	3336	346	26.2	73.8	345	18.8	81.2	16.5	83.8	7.7	92.1	13.2	86.3
Other machinery	other 333	9,854	41.1	58.9	9,810	26.2	73.8	21.8	78.4	5.1	94.9	14.0	85.8
Computer and electronic products	334	5,146	54.9	45.1	5,060	34.3	65.7	22.9	77.2	9.0	91.4	21.7	79.4
Communications equipment	3342	616	59.6	40.4	614	30.9	69.1	16.6	83.4	14.6	85.4	16.9	83.1
Semiconductors and other electronic components	3344	1,707	46.0	54.0	1,638	36.3	63.7	28.0	72.3	10.3	93.3	20.0	83.6
Navigational, measuring, electromedical, and control instruments	3345	2,021	55.7	44.3	2,011	32.5	67.5	21.6	78.5	6.0	92.2	22.9	77.1
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	434	35.6	64.4	431	23.9	76.1	20.6	79.6	5.8	93.1	13.3	86.9
Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments	334511	209	28.3	71.7	209	18.9	81.1	17.5	82.5	9.2	90.3	10.7	89.3
Other measuring and controlling devices	other 3345	1,378	66.1	33.9	1,371	37.3	62.7	22.6	77.5	5.5	92.2	27.8	72.1
Other computer and electronic products	other 334	803	68.1	31.9	798	37.2	62.8	20.6	79.5	9.3	90.5	25.9	74.0
Electrical equipment, appliances, and components	335	2,884	51.5	48.5	2,861	35.6	64.4	30.1	70.4	14.6	85.8	24.2	75.9
Transportation equipment	336	4,018	40.8	59.2	4,001	31.5	68.5	26.7	73.5	9.1	90.7	17.4	82.3
Automobiles, bodies, trailers, and parts	3361–63	2,525	40.3	59.7	2,523	31.8	68.2	25.9	74.2	5.3	94.1	15.5	83.9
Aerospace products and parts	3364	739	39.0	61.0	726	31.3	68.7	30.2	70.6	17.1	83.7	25.4	74.6
Aircraft, aircraft engines, and aircraft parts	336411–13	714	38.4	61.6	701	31.0	69.0	30.3	70.5	D	D	25.6	74.4
Guided missiles, space vehicles, and related parts	336414–15, 336419	25	56.0	44.0	25	40.0	60.0	28.0	72.0	D	D	20.0	80.0
Military armored vehicles, tanks, and tank components	336992	64	17.4	82.6	64	12.7	87.3	9.6	90.4	D	D	9.6	90.4
Other transportation	other 336	689	46.6	53.4	687	32.2	67.8	27.7	72.3	D	D	16.5	83.5
Furniture and related products	337	5,341	25.7	74.3	5,291	20.0	80.0	14.4	85.9	7.4	92.5	13.3	86.9
Miscellaneous manufacturing	339	8,247	36.1	63.9	8,186	23.2	76.8	17.2	83.3	8.7	91.4	14.9	85.3
Medical equipment and supplies	3391	2,649	43.4	56.6	2,619	31.3	68.7	23.2	77.1	13.6	86.5	20.5	79.5
Other miscellaneous manufacturing	3399	5,597	32.6	67.4	5,567	19.4	80.6	14.3	86.2	6.4	93.7	12.3	88.0
Nonmanufacturing industries	21–23, 42–81	1,169,113	14.0	86.0	1,155,897	10.5	89.5	3.4	97.2	3.9	96.3	8.3	92.2
Mining, extraction, and support activities	21	6,884	9.9	90.1	6,776	7.9	92.1	5.2	96.4	4.1	97.3	5.1	95.0
Utilities	22	865	14.9	85.1	824	14.6	85.4	5.5	94.7	1.1	98.8	14.3	85.9
Wholesale trade	42	87,724	20.9	79.1	86,800	15.4	84.6	6.6	93.9	7.4	93.0	11.3	88.7
Electronic shopping and electronic auctions	454111–12	3,182	22.6	77.4	3,128	18.2	81.8	10.4	89.4	13.4	88.3	12.6	89.1
Transportation and warehousing	48–49	36,759	12.6	87.4	36,754	11.8	88.2	0.7	98.6	8.9	90.4	6.3	93.0
Information	51	18,082	33.0	67.0	17,955	21.1	78.9	8.4	91.9	11.7	88.4	13.3	87.2
Publishing	511	6,559	32.9	67.1	6,474	21.1	78.9	11.4	88.9	11.4	88.7	14.0	87.3
Newspaper, periodical, book, and directory publishers	5111	4,170	13.5	86.5	4,105	8.9	91.1	4.9	95.1	4.1	95.9	3.7	97.9
Software publishers	5112	2,389	66.8	33.2	2,369	42.3	57.7	22.6	78.2	24.0	76.2	31.7	68.9
Telecommunications	517	2,980	35.5	64.5	2,979	19.8	80.2	6.2	93.8	15.0	85.0	10.6	89.4
Data processing, hosting, and related services	518	2,884	46.7	53.3	2,881	31.0	69.0	13.1	87.0	13.8	86.2	25.1	74.9
Other information	other 51	5,659	24.9	75.1	5,621	16.6	83.4	3.7	96.9	9.4	90.9	8.0	92.1
Finance and insurance	52	40,875	14.9	85.1	40,821	13.5	86.5	4.4	95.8	5.1	94.9	11.6	88.5

TABLE 61. Companies that introduced new or significantly improved processes, by industry, industry proportions, and company size: 2012–14
(Number and percent)

Industry and NAICS code	Industry proportions												
	New or significantly improved products or processes (percent)				New or significantly improved processes (percent) ^f								
	Companies (number) ^a	Yes	No	Companies (number) ^b	Any processes		Manufacturing or production methods		Logistics, delivery, or distribution methods		Support activities		
					Yes	No	Yes	No	Yes	No	Yes	No	
Real estate and rental and leasing	53	37,481	8.4	91.6	37,230	6.4	93.6	1.3	98.7	3.4	97.3	5.6	95.0
Lessors of nonfinancial intangible assets (except copyrighted works)	533	296	84.1	15.9	295	83.7	16.3	80.3	20.0	79.7	20.7	82.7	17.3
Other real estate and rental and leasing	other 53	37,185	7.8	92.2	36,935	5.8	94.2	0.7	99.3	2.8	97.9	5.0	95.6
Professional, scientific, and technical services	54	142,038	18.4	81.6	141,000	12.9	87.1	4.6	95.7	3.6	96.2	9.8	90.5
Architectural, engineering, and related services	5413	23,451	20.0	80.0	23,260	13.4	86.6	7.3	93.5	4.0	95.9	8.6	91.7
Computer systems design and related services	5415	19,947	36.8	63.2	19,737	22.5	77.5	9.1	91.7	8.2	91.7	17.9	82.6
Scientific R&D services	5417	2,650	43.8	56.2	2,633	24.7	75.3	18.6	81.7	6.9	93.2	14.2	85.9
Biotechnology R&D	541711	612	54.5	45.5	610	25.5	74.5	20.4	79.8	8.7	91.3	15.9	84.3
Physical, engineering, and life sciences (except biotechnology) R&D	541712	1,846	42.4	57.6	1,833	25.1	74.9	19.0	81.4	6.1	94.0	13.8	86.3
Social sciences and humanities R&D	541720	192	23.8	76.2	191	19.2	80.8	10.1	90.4	8.9	91.6	12.5	87.5
Other professional, scientific, and technical services	other 54	95,989	13.5	86.5	95,369	10.5	89.5	2.6	97.4	2.4	97.4	8.3	91.9
Health care services	621–23	158,299	17.3	82.7	155,996	13.6	86.4	3.7	97.3	5.0	95.2	12.0	88.8
Other nonmanufacturing	23, 44–45 (excluding 454111–12), 55–56, 624, 71–72, 81	636,924	11.0	89.0	628,615	8.3	91.7	2.6	98.2	2.6	97.7	6.5	94.0
All companies (number of domestic employees)	–	1,273,330	15.4	84.6	1,259,264	11.7	88.3	4.6	96.0	4.2	96.1	8.8	91.6
Small companies ^e													
5–499	–	1,263,029	15.4	84.6	1,249,247	11.6	88.4	4.6	96.1	4.1	96.1	8.8	91.7
5–99	–	1,210,710	15.2	84.8	1,197,394	11.5	88.5	4.5	96.1	4.1	96.1	8.7	91.8
5–49	–	1,133,128	15.0	85.0	1,120,633	11.3	88.7	4.3	96.3	3.9	96.4	8.5	91.9
5–9	–	495,222	13.4	86.6	489,658	10.3	89.7	3.5	97.0	3.5	96.7	7.9	92.6
10–24	–	463,289	15.7	84.3	458,372	11.9	88.1	4.9	95.7	4.3	96.1	8.8	91.5
25–49	–	174,616	17.4	82.6	172,603	12.5	87.5	4.8	96.0	4.2	96.3	9.5	91.0
50–99	–	77,583	19.1	80.9	76,761	15.1	84.9	7.4	93.3	6.4	92.9	11.1	89.5
100–249	–	41,903	17.7	82.3	41,482	13.4	86.6	6.0	94.9	4.8	95.4	10.3	90.6
250–499	–	10,415	23.5	76.5	10,371	15.3	84.7	8.3	91.8	4.8	95.2	11.1	88.9
Medium and large companies													
500–999	–	4,995	21.2	78.8	4,738	18.4	81.6	9.1	91.0	5.7	94.1	12.6	87.3
1,000–4,999	–	4,218	22.1	77.9	4,200	17.3	82.7	9.0	91.2	8.3	91.7	12.2	87.7

TABLE 61. Companies that introduced new or significantly improved processes, by industry, industry proportions, and company size: 2012–14
(Number and percent)

Industry and NAICS code	Companies (number) ^a	New or significantly improved products or processes (percent)		Companies (number) ^b	Industry proportions							
		Yes	No		New or significantly improved processes (percent) ^f				Support activities			
					Any processes		Manufacturing or production methods		Logistics, delivery, or distribution methods		Support activities	
					Yes	No	Yes	No	Yes	No	Yes	No
5,000–9,999	– 380	35.9	64.1	378	28.6	71.4	21.7	78.6	16.8	83.5	21.4	78.3
10,000–24,999	– 522	43.4	56.6	517	28.1	71.9	21.4	78.6	21.9	78.3	24.4	75.8
25,000 or more	– 186	36.6	63.4	183	31.8	68.2	28.5	72.0	25.1	74.9	26.8	72.7

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

NAICS = 2012 North American Industry Classification System.

^a Statistics for the number of companies are based only on companies in the United States that reported data for at least one of the items on the survey relating to new or significantly improved products or processes, regardless of whether the company performed or funded R&D. These statistics do not include an adjustment to the weight to account for unit nonresponse.

^b Statistics for the number of companies are based only on companies in the United States responding either "Yes" to at least one of the items or "No" to all of the items on the survey relating to new or significantly improved processes, regardless of whether the company performed or funded R&D. These statistics do not include an adjustment to the weight to account for unit nonresponse.

^c Includes companies responding "Yes" to at least one of the items on the survey relating to new or significantly improved processes.

^d Includes companies responding "No" to all of the items on the survey relating to new or significantly improved processes.

^e Upper bound is based on the U.S. Small Business Administration's definition of a small business; the Business R&D and Innovation Survey does not include companies with fewer than five domestic employees.

^f Statistics used for the denominator in the calculation of these percentages include companies in the United States responding either "Yes" to at least one of the items or "No" to all of the items on the survey relating to new or significantly improved processes, regardless of whether the company performed or funded R&D. These statistics do not include an adjustment to the weight to account for unit nonresponse.

NOTES: Detail may not add to total because of rounding. Industry classification is based on the dominant business code for domestic R&D performance, where available. For companies that did not report business codes, the classification used for sampling was assigned. The sum of "Yes" and "No" responses may not add to the total number of companies or, for the percentages, to 100% due to item nonresponse to some items relating to new or significantly improved products or processes.

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