

TABLE 64

Companies that introduced new or significantly improved processes, by industry, industry proportions, and company size: 2013–15

(Number and percent)

Industry	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	
Industry (number)														
All industries	21–23, 31–33, 42–81	1,413,932	237,259	1,176,673	1,396,470	173,240	1,223,231	72,095	1,335,120	60,991	1,342,218	135,879	1,268,155	
Manufacturing industries	31–33	112,782	37,278	75,503	111,990	27,675	84,315	20,658	91,772	8,433	103,648	16,277	95,940	
Food	311	9,710	2,685	7,025	9,675	1,954	7,721	1,251	8,455	657	9,014	1,157	8,509	
Beverages and tobacco products	312	2,374	770	1,605	2,356	589	1,767	387	1,984	231	2,139	243	2,076	
Textiles, apparel, and leather products	313–16	4,301	1,018	3,283	4,284	761	3,523	524	3,747	249	4,014	452	3,833	
Wood products	321	5,151	1,063	4,088	5,074	785	4,289	671	4,445	266	4,842	393	4,695	
Paper	322	1,768	594	1,175	1,717	448	1,270	425	1,342	179	1,588	219	1,500	
Printing and related support activities	323	8,205	2,023	6,182	8,204	1,827	6,377	1,362	6,838	563	7,639	955	7,244	
Petroleum and coal products	324	248	95	152	248	84	163	69	178	21	226	55	192	
Chemicals	325	5,305	2,404	2,901	5,228	1,702	3,527	1,381	3,904	618	4,606	993	4,287	
Basic chemicals	3251	508	286	223	507	228	279	205	302	77	429	121	384	
Resins, synthetic rubbers, and artificial synthetic fibers and filaments	3252	859	491	368	849	407	442	316	533	32	813	184	662	
Pesticides, fertilizers, and other agricultural chemicals	3253	331	160	170	330	146	184	135	195	105	226	77	254	
Pharmaceuticals and medicines	3254	1,092	467	624	1,090	290	799	233	857	117	974	162	927	
Soaps, cleaning compounds, and toilet preparations	3256	956	410	546	900	273	627	203	747	137	762	220	730	
Paints, coatings, adhesives, and other chemicals	3255, 3259	1,560	590	970	1,553	358	1,195	288	1,271	151	1,401	230	1,329	
Plastics and rubber products	326	5,121	1,954	3,167	5,060	1,610	3,450	1,326	3,793	527	4,536	1,045	4,063	
Nonmetallic mineral products	327	4,123	886	3,237	4,022	757	3,265	566	3,524	211	3,823	419	3,667	
Primary metals	331	2,065	474	1,592	2,063	430	1,634	314	1,749	29	2,034	212	1,852	
Fabricated metal products	332	25,232	6,533	18,699	25,137	5,387	19,750	4,165	21,009	1,452	23,624	3,176	22,008	
Machinery	333	11,969	5,316	6,653	11,892	3,619	8,273	2,502	9,396	1,001	10,942	2,143	9,744	
Agricultural implements	33311	673	329	344	673	234	438	211	461	40	631	122	550	
Semiconductor machinery	333242	208	56	152	208	38	170	37	171	6	203	19	189	
Engines, turbines, and power transmission equipment	3336	563	387	176	561	113	448	91	471	10	552	37	526	
Other machinery	other 333	10,525	4,544	5,981	10,451	3,234	7,217	2,162	8,293	946	9,556	1,964	8,480	
Computer and electronic products	334	5,783	3,276	2,506	5,724	1,750	3,974	1,323	4,434	618	5,102	1,054	4,696	
Communications equipment	3342	924	572	353	920	291	629	198	723	95	825	174	747	
Semiconductors and other electronic components	3344	2,018	974	1,045	1,981	630	1,352	535	1,469	173	1,805	359	1,637	
Navigational, measuring, electromedical, and control instruments	3345	2,037	1,145	892	2,021	559	1,462	354	1,675	167	1,854	375	1,657	

TABLE 64

Companies that introduced new or significantly improved processes, by industry, industry proportions, and company size: 2013–15

(Number and percent)

Industry	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
Electromedical, electrotherapeutic, and irradiation apparatuses	334510, 334517	341	209	132	339	89	250	54	287	43	296	58	282
Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments	334511	187	98	89	186	53	133	31	156	10	177	37	150
Other measuring and controlling devices	other 3345	1,509	838	671	1,495	417	1,078	270	1,233	114	1,381	280	1,224
Other computer and electronic products	other 334	803	586	217	802	270	532	235	567	183	617	145	656
Electrical equipment, appliances, and components	335	2,483	1,184	1,298	2,476	628	1,848	578	1,902	178	2,294	325	2,156
Transportation equipment	336	4,463	2,035	2,428	4,423	1,553	2,870	1,221	3,205	388	4,033	991	3,447
Automobiles, bodies, trailers, and parts	3361–63	2,701	1,241	1,460	2,687	994	1,693	766	1,934	264	2,419	641	2,059
Aerospace products and parts	3364	773	364	409	771	283	488	218	554	59	712	206	567
Aircraft, aircraft engines, and aircraft parts	336411–13	748	350	398	747	269	478	204	544	56	691	199	550
Guided missiles, space vehicles, and related parts	336414–15, 336419	25	14	11	24	14	10	14	10	3	21	7	18
Military armored vehicles, tanks, and tank components	336992	29	14	15	29	10	19	9	20	0	29	7	22
Other transportation	other 336	960	416	544	936	267	669	229	697	64	874	138	799
Furniture and related products	337	6,104	1,055	5,049	6,060	764	5,296	625	5,468	201	5,898	502	5,565
Miscellaneous manufacturing	339	8,377	3,915	4,462	8,344	3,026	5,318	1,968	6,395	1,045	7,294	1,943	6,405
Medical equipment and supplies	3391	3,060	1,497	1,563	3,043	1,143	1,900	705	2,342	380	2,655	814	2,225
Other miscellaneous manufacturing	3399	5,317	2,418	2,899	5,301	1,883	3,418	1,263	4,053	665	4,639	1,129	4,180
Nonmanufacturing industries	21–23, 42–81	1,301,150	199,980	1,101,170	1,284,480	145,565	1,138,916	51,438	1,243,348	52,557	1,238,570	119,602	1,172,215
Mining, extraction, and support activities	21	6,403	1,070	5,332	6,372	767	5,605	395	5,993	339	6,049	527	5,844
Utilities	22	835	112	724	835	58	778	47	789	8	827	17	818
Wholesale trade	42	93,204	22,477	70,727	92,344	14,229	78,114	6,149	86,651	6,500	86,144	11,302	81,793
Electronic shopping and electronic auctions	454111–12	3,872	1,530	2,342	3,837	1,119	2,718	321	3,517	632	3,229	916	2,944
Transportation and warehousing	48–49	38,646	6,014	32,632	38,145	5,749	32,397	1,309	37,335	3,622	34,773	4,187	33,958
Information	51	18,386	5,599	12,787	18,041	3,525	14,517	1,612	16,684	1,954	16,197	2,379	15,849
Publishing	511	6,335	2,060	4,275	6,246	1,181	5,065	430	5,884	752	5,499	746	5,558
Newspaper, periodical, book, and directory publishers	5111	3,856	718	3,138	3,833	467	3,366	168	3,688	267	3,567	225	3,631
Software publishers	5112	2,478	1,342	1,137	2,412	714	1,699	262	2,196	486	1,933	521	1,927
Telecommunications	517	2,771	813	1,958	2,725	589	2,136	266	2,449	286	2,480	479	2,285
Data processing, hosting, and related services	518	3,863	1,640	2,222	3,766	1,074	2,693	504	3,349	479	3,332	791	2,981
Other information	other 51	5,417	1,086	4,331	5,304	681	4,623	411	5,000	436	4,885	364	5,025
Finance and insurance	52	48,033	5,523	42,510	47,479	4,528	42,951	410	47,620	1,145	46,635	4,257	43,473
Real estate and rental and leasing	53	39,480	3,769	35,710	39,181	3,411	35,769	1,099	38,381	1,539	37,641	2,918	36,562

TABLE 64

Companies that introduced new or significantly improved processes, by industry, industry proportions, and company size: 2013–15

(Number and percent)

Industry	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
Lessors of nonfinancial intangible assets (except copyrighted works)	533	569	245	324	569	243	326	233	336	234	335	12	557
Other real estate and rental and leasing	other 53	38,910	3,524	35,386	38,611	3,168	35,443	865	38,045	1,304	37,306	2,906	36,004
Professional, scientific, and technical services	54	158,166	31,536	126,631	156,802	22,632	134,169	8,908	148,697	6,494	151,301	17,256	139,855
Architectural, engineering, and related services	5413	25,990	5,560	20,429	25,800	4,232	21,568	2,216	23,625	1,118	24,698	2,348	23,470
Computer systems design and related services	5415	21,698	9,553	12,144	21,541	6,082	15,459	2,737	18,813	2,171	19,362	5,084	16,499
Scientific research and development services	5417	3,426	1,498	1,928	3,413	1,117	2,295	725	2,691	260	3,140	673	2,736
Biotechnology research and development	541711	829	270	559	826	214	612	158	669	46	775	119	707
Physical, engineering, and life sciences (except biotechnology) research and development	541712	2,425	1,200	1,225	2,415	884	1,532	555	1,862	204	2,203	542	1,871
Social sciences and humanities research and development	541720	172	28	144	171	19	152	11	160	10	161	13	158
Other professional, scientific, and technical services	other 54	107,053	14,924	92,129	106,048	11,202	94,846	3,231	103,568	2,945	104,100	9,149	97,149
Health care services	621–23	173,329	28,528	144,801	170,511	19,640	150,871	5,845	165,984	5,941	165,618	17,827	154,452
Other nonmanufacturing	23, 44–45 (excluding 454111–12), 55–56, 624, 71–72, 81	720,797	93,821	626,975	710,934	69,907	641,027	25,343	691,697	24,385	690,156	58,016	656,667
All companies (number of domestic employees)	–	1,413,932	237,259	1,176,673	1,396,470	173,240	1,223,231	72,095	1,335,120	60,991	1,342,218	135,879	1,268,155
Micro companies ^e													
5–9	–	550,695	73,723	476,972	542,055	53,470	488,585	19,624	527,503	19,812	527,380	42,333	503,407
Small companies													
10–19	–	422,056	75,077	346,979	418,139	54,972	363,166	22,725	397,892	19,409	398,707	43,072	377,437
20–49	–	287,091	53,632	233,459	283,310	38,753	244,557	16,727	269,311	12,437	272,216	31,439	253,280
Medium companies													
50–99	–	82,729	18,562	64,167	82,337	13,979	68,358	6,789	75,634	5,278	77,081	9,796	72,595
100–249	–	46,480	9,730	36,750	45,865	7,578	38,287	3,884	42,300	2,526	43,594	5,805	40,111
Large companies													
250–499	–	13,024	3,154	9,870	13,003	1,914	11,089	1,248	11,761	507	12,464	1,312	11,676
500–999	–	5,535	991	4,544	5,516	762	4,754	384	5,137	248	5,269	595	4,924
1,000–4,999	–	4,918	1,763	3,155	4,865	1,278	3,587	516	4,390	601	4,299	1,048	3,817
5,000–9,999	–	541	159	381	526	123	402	91	446	66	461	89	447
10,000–24,999	–	363	123	241	359	88	272	61	298	58	301	74	285
25,000 or more	–	500	344	156	495	322	172	47	448	49	445	317	177
			Industry proportions (percent) ^f										
All industries	21–23, 31–33, 42–81	1,413,932	16.8	83.2	1,396,470	12.4	87.6	5.1	94.9	4.3	95.7	9.7	90.3

TABLE 64

Companies that introduced new or significantly improved processes, by industry, industry proportions, and company size: 2013–15

(Number and percent)

Industry	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
Manufacturing industries	31–33	112,782	33.1	66.9	111,990	24.7	75.3	18.4	81.6	7.5	92.5	14.5	85.5
Food	311	9,710	27.7	72.3	9,675	20.2	79.8	12.9	87.1	6.8	93.2	12.0	88.0
Beverages and tobacco products	312	2,374	32.4	67.6	2,356	25.0	75.0	16.3	83.7	9.7	90.3	10.5	89.5
Textiles, apparel, and leather products	313–16	4,301	23.7	76.3	4,284	17.8	82.2	12.3	87.7	5.8	94.2	10.6	89.4
Wood products	321	5,151	20.6	79.4	5,074	15.5	84.5	13.1	86.9	5.2	94.8	7.7	92.3
Paper	322	1,768	33.6	66.4	1,717	26.1	73.9	24.0	76.0	10.1	89.9	12.7	87.3
Printing and related support activities	323	8,205	24.7	75.3	8,204	22.3	77.7	16.6	83.4	6.9	93.1	11.7	88.3
Petroleum and coal products	324	248	38.4	61.6	248	34.0	66.0	27.9	72.1	8.6	91.4	22.4	77.6
Chemicals	325	5,305	45.3	54.7	5,228	32.5	67.5	26.1	73.9	11.8	88.2	18.8	81.2
Basic chemicals	3251	508	56.2	43.8	507	45.0	55.0	40.5	59.5	15.2	84.8	23.9	76.1
Resins, synthetic rubber, and artificial synthetic fibers and filaments	3252	859	57.1	42.9	849	47.9	52.1	37.2	62.8	3.7	96.3	21.7	78.3
Pesticides, fertilizers, and other agricultural chemicals	3253	331	48.5	51.5	330	44.2	55.8	41.0	59.0	31.6	68.4	23.2	76.8
Pharmaceuticals and medicines	3254	1,092	42.8	57.2	1,090	26.6	73.4	21.4	78.6	10.7	89.3	14.9	85.1
Soaps, cleaning compounds, and toilet preparations	3256	956	42.9	57.1	900	30.3	69.7	21.4	78.6	15.2	84.8	23.1	76.9
Paints, coatings, adhesives, and other chemicals	3255, 3259	1,560	37.8	62.2	1,553	23.0	77.0	18.5	81.5	9.7	90.3	14.7	85.3
Plastics and rubber products	326	5,121	38.2	61.8	5,060	31.8	68.2	25.9	74.1	10.4	89.6	20.5	79.5
Nonmetallic mineral products	327	4,123	21.5	78.5	4,022	18.8	81.2	13.8	86.2	5.2	94.8	10.3	89.7
Primary metals	331	2,065	22.9	77.1	2,063	20.8	79.2	15.2	84.8	1.4	98.6	10.3	89.7
Fabricated metal products	332	25,232	25.9	74.1	25,137	21.4	78.6	16.5	83.5	5.8	94.2	12.6	87.4
Machinery	333	11,969	44.4	55.6	11,892	30.4	69.6	21.0	79.0	8.4	91.6	18.0	82.0
Agricultural implements	33311	673	48.9	51.1	673	34.8	65.2	31.4	68.6	6.0	94.0	18.2	81.8
Semiconductor machinery	333242	208	26.9	73.1	208	18.5	81.5	18.0	82.0	2.6	97.4	9.2	90.8
Engines, turbines, and power transmission equipment	3336	563	68.8	31.2	561	20.1	79.9	16.1	83.9	1.8	98.2	6.7	93.3
Other machinery	other 333	10,525	43.2	56.8	10,451	30.9	69.1	20.7	79.3	9.0	91.0	18.8	81.2
Computer and electronic products	334	5,783	56.7	43.3	5,724	30.6	69.4	23.0	77.0	10.8	89.2	18.3	81.7
Communications equipment	3342	924	61.8	38.2	920	31.7	68.3	21.5	78.5	10.3	89.7	18.9	81.1
Semiconductors and other electronic components	3344	2,018	48.2	51.8	1,981	31.8	68.2	26.7	73.3	8.8	91.2	18.0	82.0
Navigational, measuring, electromedical, and control instruments	3345	2,037	56.2	43.8	2,021	27.7	72.3	17.5	82.5	8.2	91.8	18.5	81.5
Electromedical, electrotherapeutic, and irradiation apparatuses	334510, 334517	341	61.2	38.8	339	26.4	73.6	15.8	84.2	12.6	87.4	17.0	83.0
Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments	334511	187	52.3	47.7	186	28.3	71.7	16.5	83.5	5.3	94.7	19.8	80.2

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(Number and percent)

Industry	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
Other measuring and controlling devices	other 3345	1,509	55.5	44.5	1,495	27.9	72.1	17.9	82.1	7.6	92.4	18.6	81.4
Other computer and electronic products	other 334	803	73.0	27.0	802	33.6	66.4	29.3	70.7	22.9	77.1	18.1	81.9
Electrical equipment, appliances, and components	335	2,483	47.7	52.3	2,476	25.4	74.6	23.3	76.7	7.2	92.8	13.1	86.9
Transportation equipment	336	4,463	45.6	54.4	4,423	35.1	64.9	27.6	72.4	8.8	91.2	22.3	77.7
Automobiles, bodies, trailers, and parts	3361–63	2,701	46.0	54.0	2,687	37.0	63.0	28.4	71.6	9.9	90.1	23.7	76.3
Aerospace products and parts	3364	773	47.1	52.9	771	36.7	63.3	28.2	71.8	7.7	92.3	26.6	73.4
Aircraft, aircraft engines, and aircraft parts	336411–13	748	46.8	53.2	747	36.0	64.0	27.3	72.7	7.5	92.5	26.5	73.5
Guided missiles, space vehicles, and related parts	336414–15, 336419	25	55.5	44.5	24	57.8	42.2	57.8	42.2	12.7	87.3	28.3	71.7
Military armored vehicles, tanks, and tank components	336992	29	47.0	53.0	29	33.1	66.9	29.6	70.4	0.0	100.0	25.2	74.8
Other transportation	other 336	960	43.4	56.6	936	28.5	71.5	24.8	75.2	6.8	93.2	14.7	85.3
Furniture and related products	337	6,104	17.3	82.7	6,060	12.6	87.4	10.3	89.7	3.3	96.7	8.3	91.7
Miscellaneous manufacturing	339	8,377	46.7	53.3	8,344	36.3	63.7	23.5	76.5	12.5	87.5	23.3	76.7
Medical equipment and supplies	3391	3,060	48.9	51.1	3,043	37.6	62.4	23.1	76.9	12.5	87.5	26.8	73.2
Other miscellaneous manufacturing	3399	5,317	45.5	54.5	5,301	35.5	64.5	23.8	76.2	12.5	87.5	21.3	78.7
Nonmanufacturing industries	21–23, 42–81	1,301,150	15.4	84.6	1,284,480	11.3	88.7	4.0	96.0	4.1	95.9	9.3	90.7
Mining, extraction, and support activities	21	6,403	16.7	83.3	6,372	12.0	88.0	6.2	93.8	5.3	94.7	8.3	91.7
Utilities	22	835	13.4	86.6	835	6.9	93.1	5.6	94.4	1.0	99.0	2.0	98.0
Wholesale trade	42	93,204	24.1	75.9	92,344	15.4	84.6	6.6	93.4	7.0	93.0	12.1	87.9
Electronic shopping and electronic auctions	454111–12	3,872	39.5	60.5	3,837	29.2	70.8	8.4	91.6	16.4	83.6	23.7	76.3
Transportation and warehousing	48–49	38,646	15.6	84.4	38,145	15.1	84.9	3.4	96.6	9.4	90.6	11.0	89.0
Information	51	18,386	30.5	69.5	18,041	19.5	80.5	8.8	91.2	10.8	89.2	13.1	86.9
Publishing	511	6,335	32.5	67.5	6,246	18.9	81.1	6.8	93.2	12.0	88.0	11.8	88.2
Newspaper, periodical, book, and directory publishers	5111	3,856	18.6	81.4	3,833	12.2	87.8	4.4	95.6	7.0	93.0	5.8	94.2
Software publishers	5112	2,478	54.1	45.9	2,412	29.6	70.4	10.7	89.3	20.1	79.9	21.3	78.7
Telecommunications	517	2,771	29.3	70.7	2,725	21.6	78.4	9.8	90.2	10.3	89.7	17.3	82.7
Data processing, hosting, and related services	518	3,863	42.5	57.5	3,766	28.5	71.5	13.1	86.9	12.6	87.4	21.0	79.0
Other information	other 51	5,417	20.0	80.0	5,304	12.8	87.2	7.6	92.4	8.2	91.8	6.8	93.2
Finance and insurance	52	48,033	11.5	88.5	47,479	9.5	90.5	0.9	99.1	2.4	97.6	8.9	91.1
Real estate and rental and leasing	53	39,480	9.5	90.5	39,181	8.7	91.3	2.8	97.2	3.9	96.1	7.4	92.6
Lessors of nonfinancial intangible assets (except copyrighted works)	533	569	43.1	56.9	569	42.7	57.3	41.0	59.0	41.2	58.8	2.1	97.9
Other real estate and rental and leasing	other 53	38,910	9.1	90.9	38,611	8.2	91.8	2.2	97.8	3.4	96.6	7.5	92.5
Professional, scientific, and technical services	54	158,166	19.9	80.1	156,802	14.4	85.6	5.7	94.3	4.1	95.9	11.0	89.0

TABLE 64

Companies that introduced new or significantly improved processes, by industry, industry proportions, and company size: 2013–15

(Number and percent)

Industry	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
Architectural, engineering, and related services	5413	25,990	21.4	78.6	25,800	16.4	83.6	8.6	91.4	4.3	95.7	9.1	90.9
Computer systems design and related services	5415	21,698	44.0	56.0	21,541	28.2	71.8	12.7	87.3	10.1	89.9	23.6	76.4
Scientific research and development services	5417	3,426	43.7	56.3	3,413	32.7	67.3	21.2	78.8	7.7	92.3	19.8	80.2
Biotechnology research and development	541711	829	32.5	67.5	826	25.9	74.1	19.1	80.9	5.6	94.4	14.4	85.6
Physical, engineering, and life sciences (except biotechnology) research and development	541712	2,425	49.5	50.5	2,415	36.6	63.4	23.0	77.0	8.5	91.5	22.5	77.5
Social sciences and humanities research and development	541720	172	16.5	83.5	171	11.3	88.7	6.7	93.3	5.8	94.2	7.6	92.4
Other professional, scientific, and technical services	other 54	107,053	13.9	86.1	106,048	10.6	89.4	3.0	97.0	2.8	97.2	8.6	91.4
Health care services	621–23	173,329	16.5	83.5	170,511	11.5	88.5	3.4	96.6	3.5	96.5	10.3	89.7
Other nonmanufacturing	23, 44–45 (excluding 454111–12), 55–56, 624, 71–72, 81	720,797	13.0	87.0	710,934	9.8	90.2	3.5	96.5	3.4	96.6	8.1	91.9
All companies (number of domestic employees)	–	1,413,932	16.8	83.2	1,396,470	12.4	87.6	5.1	94.9	4.3	95.7	9.7	90.3
Micro companies ^e													
5–9	–	550,695	13.4	86.6	542,055	9.9	90.1	3.6	96.4	3.6	96.4	7.8	92.2
Small companies													
10–19	–	422,056	17.8	82.2	418,139	13.1	86.9	5.4	94.6	4.6	95.4	10.2	89.8
20–49	–	287,091	18.7	81.3	283,310	13.7	86.3	5.8	94.2	4.4	95.6	11.0	89.0
Medium companies													
50–99	–	82,729	22.4	77.6	82,337	17.0	83.0	8.2	91.8	6.4	93.6	11.9	88.1
100–249	–	46,480	20.9	79.1	45,865	16.5	83.5	8.4	91.6	5.5	94.5	12.6	87.4
Large companies													
250–499	–	13,024	24.2	75.8	13,003	14.7	85.3	9.6	90.4	3.9	96.1	10.1	89.9
500–999	–	5,535	17.9	82.1	5,516	13.8	86.2	7.0	93.0	4.5	95.5	10.8	89.2
1,000–4,999	–	4,918	35.8	64.2	4,865	26.3	73.7	10.5	89.5	12.3	87.7	21.5	78.5
5,000–9,999	–	541	29.5	70.5	526	23.5	76.5	17.0	83.0	12.5	87.5	16.5	83.5
10,000–24,999	–	363	33.8	66.2	359	24.4	75.6	17.0	83.0	16.1	83.9	20.6	79.4
25,000 or more	–	500	68.9	31.1	495	65.1	34.9	9.4	90.6	9.9	90.1	64.1	35.9

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.

TABLE 64

Companies that introduced new or significantly improved processes, by industry, industry proportions, and company size: 2013–15

(Number and percent)

^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 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 the percentages for any processes are the adjacent company count column; for the remaining proportions, the denominator is not displayed but is the sum of the corresponding "Yes" and "No" responses, 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.

Note(s)

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. 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(s)

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