

TABLE 65

Companies that introduced new or significantly improved processes, by industry, industry proportions, and company size: 2014–16

(Number and percent)

Industry and company size	NAICS code	New or significantly improved products or processes			New or significantly improved processes									
		Companies (number)	Yes ^a	No ^b	Companies (number)	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	1,138,671	190,077	948,594	1,138,671	148,930	989,741	66,873	1,071,798	54,774	1,083,897	112,050	1,026,621	
Manufacturing industries	31–33	113,066	36,989	76,078	113,066	28,843	84,224	22,991	90,076	8,863	104,203	16,551	96,515	
Food	311	9,763	2,764	6,999	9,763	2,139	7,624	1,585	8,178	660	9,103	1,222	8,541	
Beverages and tobacco products	312	2,863	1,052	1,811	2,863	851	2,013	627	2,237	385	2,478	540	2,323	
Textiles, apparel, and leather products	313–16	4,689	1,250	3,440	4,689	966	3,724	710	3,979	265	4,424	596	4,093	
Wood products	321	5,526	1,148	4,378	5,526	1,063	4,463	654	4,872	339	5,187	612	4,914	
Paper	322	1,447	447	1,000	1,447	358	1,089	281	1,166	129	1,318	221	1,226	
Printing and related support activities	323	8,604	2,258	6,346	8,604	1,901	6,704	1,542	7,062	674	7,931	1,055	7,549	
Petroleum and coal products	324	412	98	314	412	60	352	38	374	24	388	44	368	
Chemicals	325	5,259	2,384	2,875	5,259	1,815	3,444	1,338	3,922	573	4,686	1,168	4,091	
Basic chemicals	3251	692	348	345	692	285	408	241	452	66	626	199	494	
Resins, synthetic rubber, and artificial synthetic fibers and filaments	3252	633	220	413	633	175	458	145	487	56	577	98	535	
Pesticides, fertilizers, and other agricultural chemicals	3253	261	103	159	261	87	174	37	225	38	223	53	208	
Pharmaceuticals and medicines	3254	1,384	565	819	1,384	350	1,034	200	1,184	75	1,309	227	1,157	
Soaps, cleaning compounds, and toilet preparations	3256	929	475	454	929	372	557	265	664	177	751	316	613	
Paints, coatings, adhesives, and other chemicals	3255, 3259	1,360	675	685	1,360	545	815	450	910	161	1,199	275	1,085	
Plastics and rubber products	326	5,555	1,990	3,565	5,555	1,726	3,829	1,442	4,113	467	5,088	941	4,613	
Nonmetallic mineral products	327	4,758	1,131	3,627	4,758	971	3,788	746	4,012	412	4,347	574	4,184	
Primary metals	331	2,033	706	1,327	2,033	613	1,420	498	1,535	137	1,896	372	1,661	
Fabricated metal products	332	24,182	7,143	17,039	24,182	5,835	18,347	5,046	19,136	1,573	22,609	3,136	21,046	
Machinery	333	10,843	4,261	6,582	10,843	3,001	7,842	2,424	8,419	718	10,125	1,582	9,261	
Agricultural implements	33311	530	224	306	530	136	395	114	417	36	495	67	463	
Semiconductor machinery	333242	78	42	37	78	21	58	17	62	7	72	11	67	
Engines, turbines, and power transmission equipment	3336	446	167	279	446	129	317	117	329	26	421	71	375	
Other machinery	other 333	9,788	3,828	5,960	9,788	2,716	7,072	2,176	7,612	650	9,138	1,432	8,356	
Computer and electronic products	334	5,477	2,894	2,583	5,477	1,787	3,689	1,476	4,001	441	5,035	922	4,554	
Communications equipment	3342	736	437	299	736	209	527	192	544	39	697	48	688	
Semiconductors and other electronic components	3344	2,008	894	1,114	2,008	624	1,384	544	1,464	172	1,835	355	1,653	
Navigational, measuring, electromedical, and control instruments	3345	1,932	1,153	779	1,932	698	1,235	524	1,408	153	1,779	387	1,545	
Electromedical, electrotherapeutic, and irradiation apparatuses	334510, 334517	335	193	142	335	91	243	64	271	32	303	53	282	
Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments	334511	270	167	103	270	109	161	69	201	30	239	45	225	
Other measuring and controlling devices	other 3345	1,328	793	534	1,328	497	831	391	937	91	1,237	289	1,039	

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Companies that introduced new or significantly improved processes, by industry, industry proportions, and company size: 2014–16

(Number and percent)

Industry and company size	NAICS code	New or significantly improved products or processes			New or significantly improved processes									
		Companies (number)	Yes ^a	No ^b	Companies (number)	Any processes		Manufacturing or production methods		Logistics, delivery, or distribution methods		Support activities		
						Yes ^c	No ^d	Yes	No	Yes	No	Yes	No	
Other computer and electronic products	other 334	800	410	391	800	257	543	216	584	77	723	132	668	
Electrical equipment, appliances, and components	335	2,364	1,086	1,277	2,364	751	1,612	545	1,819	318	2,046	538	1,826	
Transportation equipment	336	5,058	1,912	3,146	5,058	1,352	3,706	1,118	3,940	455	4,604	874	4,184	
Automobiles, bodies, trailers, and parts	3361–63	3,134	1,181	1,952	3,134	885	2,249	766	2,368	333	2,801	622	2,512	
Aerospace products and parts	3364	861	268	593	861	169	691	136	724	60	800	112	748	
Aircraft, aircraft engines, and aircraft parts	336411–13	828	253	575	828	158	670	126	702	D	D	107	721	
Guided missiles, space vehicles, and related parts	336414–15, 336419	33	16	18	33	12	22	11	23	D	D	6	28	
Military armored vehicles, tanks, and tank components	336992	23	9	14	23	7	16	6	17	0	23	3	20	
Other transportation	other 336	1,041	454	587	1,041	290	750	210	831	62	979	138	903	
Furniture and related products	337	5,660	1,274	4,386	5,660	1,117	4,543	911	4,749	296	5,364	562	5,098	
Miscellaneous manufacturing	339	8,573	3,190	5,383	8,573	2,537	6,036	2,011	6,562	998	7,575	1,590	6,984	
Medical equipment and supplies	3391	3,057	1,338	1,719	3,057	963	2,095	772	2,285	250	2,807	611	2,446	
Other miscellaneous manufacturing	3399	5,516	1,852	3,664	5,516	1,575	3,941	1,239	4,277	748	4,768	979	4,537	
Nonmanufacturing industries	21–23, 42–81	1,025,605	153,088	872,516	1,025,605	120,088	905,517	43,882	981,723	45,911	979,694	95,499	930,106	
Mining, extraction, and support activities	21	6,761	997	5,764	6,761	739	6,022	208	6,554	198	6,563	497	6,264	
Utilities	22	1,200	79	1,122	1,200	71	1,129	9	1,191	9	1,191	70	1,130	
Wholesale trade	42	91,941	21,397	70,543	91,941	15,736	76,205	5,913	86,028	7,314	84,627	11,489	80,452	
Electronic shopping and electronic auctions	454111–12	4,147	1,291	2,855	4,147	881	3,266	417	3,730	498	3,649	769	3,378	
Transportation and warehousing	48–49	39,906	6,053	33,853	39,906	5,573	34,334	525	39,382	3,055	36,852	4,349	35,558	
Information	51	17,113	4,823	12,290	17,113	3,064	14,049	1,466	15,647	1,411	15,701	2,085	15,028	
Publishing	511	5,801	1,951	3,850	5,801	1,295	4,505	522	5,279	612	5,188	871	4,929	
Newspaper, periodical, book, and directory publishers	5111	3,407	498	2,909	3,407	366	3,041	67	3,341	213	3,194	186	3,221	
Software publishers	5112	2,393	1,453	941	2,393	929	1,464	455	1,938	399	1,994	685	1,708	
Telecommunications	517	2,568	487	2,081	2,568	222	2,345	69	2,499	101	2,467	163	2,405	
Data processing, hosting, and related services	518	3,105	1,471	1,634	3,105	1,002	2,103	594	2,511	427	2,678	730	2,374	
Other information	other 51	5,640	915	4,725	5,640	544	5,096	281	5,359	271	5,368	320	5,319	
Finance and insurance	52	45,282	6,182	39,100	45,282	5,067	40,215	1,070	44,212	1,634	43,648	4,299	40,983	
Real estate and rental and leasing	53	36,032	3,431	32,601	36,032	2,240	33,792	462	35,569	745	35,287	2,079	33,952	
Lessors of nonfinancial intangible assets (except copyrighted works)	533	110	15	95	110	11	99	D	D	5	105	8	102	
Other real estate and rental and leasing	other 53	35,922	3,416	32,506	35,922	2,229	33,693	D	D	740	35,182	2,071	33,851	
Professional, scientific, and technical services	54	154,446	28,583	125,863	154,446	21,361	133,085	9,619	144,827	7,921	146,525	17,069	137,377	
Architectural, engineering, and related services	5413	25,214	5,267	19,947	25,214	4,384	20,830	2,496	22,718	1,173	24,041	3,285	21,929	
Computer systems design and related services	5415	19,695	8,544	11,150	19,695	5,475	14,219	2,423	17,272	2,251	17,443	4,651	15,043	

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(Number and percent)

Industry and company size	NAICS code	New or significantly improved products or processes			New or significantly improved processes									
		Companies (number)	Yes ^a	No ^b	Companies (number)	Any processes		Manufacturing or production methods		Logistics, delivery, or distribution methods		Support activities		
						Yes ^c	No ^d	Yes	No	Yes	No	Yes	No	
Scientific research and development services	5417	2,790	1,192	1,599	2,790	773	2,018	598	2,192	226	2,565	386	2,405	
Biotechnology research and development	541711	543	215	328	543	150	393	121	422	45	498	80	463	
Physical, engineering, and life sciences (except biotechnology) research and development	541712	2,055	932	1,123	2,055	589	1,466	465	1,589	165	1,890	278	1,777	
Social sciences and humanities research and development	541720	192	45	148	192	34	159	12	180	16	176	28	165	
Other professional, scientific, and technical services	other 54	106,747	13,581	93,166	106,747	10,728	96,018	4,101	102,646	4,271	102,476	8,747	98,000	
Health care services	621–23	167,465	26,131	141,334	167,465	19,351	148,114	7,736	159,729	6,287	161,178	14,454	153,011	
Other nonmanufacturing	23, 44–45 (excluding 454111–12), 55–56, 624, 71–72, 81	461,312	54,120	407,192	461,312	46,006	415,307	16,458	444,854	16,840	444,473	38,340	422,973	
All companies (number of domestic employees)	–	1,138,671	190,077	948,594	1,138,671	148,930	989,741	66,873	1,071,798	54,774	1,083,897	112,050	1,026,621	
Micro companies ^e														
5–9	–	307,934	47,350	260,583	307,934	35,991	271,943	15,924	292,009	14,473	293,460	25,393	282,541	
Small companies														
10–19	–	387,796	62,196	325,600	387,796	47,896	339,899	21,741	366,055	16,706	371,089	36,903	350,893	
20–49	–	290,964	49,297	241,667	290,964	39,548	251,416	16,802	274,163	14,112	276,852	31,209	259,755	
Medium companies														
50–99	–	83,527	17,298	66,229	83,527	14,375	69,152	6,940	76,587	5,659	77,868	10,457	73,070	
100–249	–	43,846	8,960	34,886	43,846	7,339	36,506	3,417	40,429	2,235	41,611	5262	38,584	
Large companies														
250–499	–	11,925	2,145	9,781	11,925	1,731	10,194	878	11,048	527	11,398	1,236	10,689	
500–999	–	5,669	1,152	4,517	5,669	682	4,987	446	5,223	249	5420	483	5,185	
1,000–4,999	–	5,125	995	4,130	5,125	760	4,365	467	4,658	325	4,800	552	4,573	
5,000–9,999	–	721	206	516	721	167	554	126	596	106	615	137	584	
10,000–24,999	–	838	396	442	838	365	473	84	754	330	508	349	489	
25,000 or more	–	326	83	243	326	75	251	48	278	51	275	69	257	
Industry proportions (percent)														
All industries	21–23, 31–33, 42–81	1,138,671	16.7	83.3	1,138,671	13.1	86.9	5.9	94.1	4.8	95.2	9.8	90.2	
Manufacturing industries	31–33	113,066	32.7	67.3	113,066	25.5	74.5	20.3	79.7	7.8	92.2	14.6	85.4	
Food	311	9,763	28.3	71.7	9,763	21.9	78.1	16.2	83.8	6.8	93.2	12.5	87.5	
Beverages and tobacco products	312	2,863	36.7	63.3	2,863	29.7	70.3	21.9	78.1	13.5	86.5	18.9	81.1	
Textiles, apparel, and leather products	313–16	4,689	26.7	73.3	4,689	20.6	79.4	15.1	84.9	5.7	94.3	12.7	87.3	
Wood products	321	5,526	20.8	79.2	5,526	19.2	80.8	11.8	88.2	6.1	93.9	11.1	88.9	
Paper	322	1,447	30.9	69.1	1,447	24.7	75.3	19.4	80.6	8.9	91.1	15.3	84.7	
Printing and related support activities	323	8,604	26.2	73.8	8,604	22.1	77.9	17.9	82.1	7.8	92.2	12.3	87.7	
Petroleum and coal products	324	412	23.8	76.2	412	14.6	85.4	9.2	90.8	5.8	94.2	10.7	89.3	

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Companies that introduced new or significantly improved processes, by industry, industry proportions, and company size: 2014–16

(Number and percent)

Industry and company size	NAICS code	New or significantly improved products or processes			New or significantly improved processes									
		Companies (number)	Yes ^a	No ^b	Companies (number)	Any processes		Manufacturing or production methods		Logistics, delivery, or distribution methods		Support activities		
						Yes ^c	No ^d	Yes	No	Yes	No	Yes	No	
Chemicals	325	5,259	45.3	54.7	5,259	34.5	65.5	25.4	74.6	10.9	89.1	22.2	77.8	
Basic chemicals	3251	692	50.2	49.8	692	41.1	58.9	34.8	65.2	9.5	90.5	28.7	71.3	
Resins, synthetic rubber, and artificial synthetic fibers and filaments	3252	633	34.7	65.3	633	27.6	72.4	23.0	77.0	8.8	91.2	15.5	84.5	
Pesticides, fertilizers, and other agricultural chemicals	3253	261	39.3	60.7	261	33.5	66.5	14.1	85.9	14.6	85.4	20.4	79.6	
Pharmaceuticals and medicines	3254	1,384	40.8	59.2	1,384	25.3	74.7	14.5	85.5	5.4	94.6	16.4	83.6	
Soaps, cleaning compounds, and toilet preparations	3256	929	51.1	48.9	929	40.1	59.9	28.5	71.5	19.1	80.9	34.0	66.0	
Paints, coatings, adhesives, and other chemicals	3255, 3259	1,360	49.6	50.4	1,360	40.1	59.9	33.1	66.9	11.8	88.2	20.2	79.8	
Plastics and rubber products	326	5,555	35.8	64.2	5,555	31.1	68.9	26.0	74.0	8.4	91.6	16.9	83.1	
Nonmetallic mineral products	327	4,758	23.8	76.2	4,758	20.4	79.6	15.7	84.3	8.7	91.3	12.1	87.9	
Primary metals	331	2,033	34.7	65.3	2,033	30.2	69.8	24.5	75.5	6.7	93.3	18.3	81.7	
Fabricated metal products	332	24,182	29.5	70.5	24,182	24.1	75.9	20.9	79.1	6.5	93.5	13.0	87.0	
Machinery	333	10,843	39.3	60.7	10,843	27.7	72.3	22.4	77.6	6.6	93.4	14.6	85.4	
Agricultural implements	33311	530	42.3	57.7	530	25.6	74.4	21.5	78.5	6.8	93.2	12.7	87.3	
Semiconductor machinery	333242	78	53.2	46.8	78	26.3	73.7	21.2	78.8	8.3	91.7	14.1	85.9	
Engines, turbines, and power transmission equipment	3336	446	37.4	62.6	446	28.9	71.1	26.2	73.8	5.7	94.3	16.0	84.0	
Other machinery	other 333	9,788	39.1	60.9	9,788	27.7	72.3	22.2	77.8	6.6	93.4	14.6	85.4	
Computer and electronic products	334	5,477	52.8	47.2	5,477	32.6	67.4	27.0	73.0	8.1	91.9	16.8	83.2	
Communications equipment	3342	736	59.4	40.6	736	28.4	71.6	26.1	73.9	5.3	94.7	6.6	93.4	
Semiconductors and other electronic components	3344	2,008	44.5	55.5	2,008	31.1	68.9	27.1	72.9	8.6	91.4	17.7	82.3	
Navigational, measuring, electromedical, and control instruments	3345	1,932	59.7	40.3	1,932	36.1	63.9	27.1	72.9	7.9	92.1	20.0	80.0	
Electromedical, electrotherapeutic, and irradiation apparatuses	334510, 334517	335	57.6	42.4	335	27.3	72.7	19.2	80.8	9.5	90.5	15.9	84.1	
Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments	334511	270	61.8	38.2	270	40.4	59.6	25.6	74.4	11.3	88.7	16.8	83.2	
Other measuring and controlling devices	other 3345	1,328	59.8	40.2	1,328	37.4	62.6	29.4	70.6	6.8	93.2	21.7	78.3	
Other computer and electronic products	other 334	800	51.2	48.8	800	32.1	67.9	27.0	73.0	9.6	90.4	16.6	83.4	
Electrical equipment, appliances, and components	335	2,364	46.0	54.0	2,364	31.8	68.2	23.0	77.0	13.5	86.5	22.8	77.2	
Transportation equipment	336	5,058	37.8	62.2	5,058	26.7	73.3	22.1	77.9	9.0	91.0	17.3	82.7	
Automobiles, bodies, trailers, and parts	3361–63	3,134	37.7	62.3	3,134	28.2	71.8	24.4	75.6	10.6	89.4	19.8	80.2	
Aerospace products and parts	3364	861	31.1	68.9	861	19.7	80.3	15.8	84.2	7.0	93.0	13.1	86.9	
Aircraft, aircraft engines, and aircraft parts	336411–13	828	30.5	69.5	828	19.1	80.9	15.2	84.8	D	D	12.9	87.1	
Guided missiles, space vehicles, and related parts	336414–15, 336419	33	47.0	53.0	33	34.9	65.1	31.8	68.2	D	D	16.7	83.3	
Military armored vehicles, tanks, and tank components	336992	23	39.1	60.9	23	30.4	69.6	26.1	73.9	0.0	100.0	13.0	87.0	
Other transportation	other 336	1,041	43.6	56.4	1,041	27.9	72.1	20.2	79.8	5.9	94.1	13.2	86.8	
Furniture and related products	337	5,660	22.5	77.5	5,660	19.7	80.3	16.1	83.9	5.2	94.8	9.9	90.1	

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(Number and percent)

Industry and company size	NAICS code	New or significantly improved products or processes			New or significantly improved processes									
		Companies (number)	Yes ^a	No ^b	Companies (number)	Any processes		Manufacturing or production methods		Logistics, delivery, or distribution methods		Support activities		
						Yes ^c	No ^d	Yes	No	Yes	No	Yes	No	
Miscellaneous manufacturing	339	8,573	37.2	62.8	8,573	29.6	70.4	23.5	76.5	11.6	88.4	18.5	81.5	
Medical equipment and supplies	3391	3,057	43.8	56.2	3,057	31.5	68.5	25.3	74.7	8.2	91.8	20.0	80.0	
Other miscellaneous manufacturing	3399	5,516	33.6	66.4	5,516	28.5	71.5	22.5	77.5	13.6	86.4	17.7	82.3	
Nonmanufacturing industries	21–23, 42–81	1,025,605	14.9	85.1	1,025,605	11.7	88.3	4.3	95.7	4.5	95.5	9.3	90.7	
Mining, extraction, and support activities	21	6,761	14.8	85.2	6,761	10.9	89.1	3.1	96.9	2.9	97.1	7.4	92.6	
Utilities	22	1,200	6.5	93.5	1,200	5.9	94.1	0.7	99.3	0.7	99.3	5.9	94.1	
Wholesale trade	42	91,941	23.3	76.7	91,941	17.1	82.9	6.4	93.6	8.0	92.0	12.5	87.5	
Electronic shopping and electronic auctions	454111–12	4,147	31.1	68.9	4,147	21.2	78.8	10.1	89.9	12.0	88.0	18.5	81.5	
Transportation and warehousing	48–49	39,906	15.2	84.8	39,906	14.0	86.0	1.3	98.7	7.7	92.3	10.9	89.1	
Information	51	17,113	28.2	71.8	17,113	17.9	82.1	8.6	91.4	8.2	91.8	12.2	87.8	
Publishing	511	5,801	33.6	66.4	5,801	22.3	77.7	9.0	91.0	10.6	89.4	15.0	85.0	
Newspaper, periodical, book, and directory publishers	5111	3,407	14.6	85.4	3,407	10.7	89.3	2.0	98.0	6.3	93.7	5.5	94.5	
Software publishers	5112	2,393	60.7	39.3	2,393	38.8	61.2	19.0	81.0	16.7	83.3	28.6	71.4	
Telecommunications	517	2,568	19.0	81.0	2,568	8.7	91.3	2.7	97.3	3.9	96.1	6.3	93.7	
Data processing, hosting, and related services	518	3,105	47.4	52.6	3,105	32.3	67.7	19.1	80.9	13.7	86.3	23.5	76.5	
Other information	other 51	5,640	16.2	83.8	5,640	9.6	90.4	5.0	95.0	4.8	95.2	5.7	94.3	
Finance and insurance	52	45,282	13.7	86.3	45,282	11.2	88.8	2.4	97.6	3.6	96.4	9.5	90.5	
Real estate and rental and leasing	53	36,032	9.5	90.5	36,032	6.2	93.8	1.3	98.7	2.1	97.9	5.8	94.2	
Lessors of nonfinancial intangible assets (except copyrighted works)	533	110	13.7	86.3	110	10.0	90.0	D	D	4.6	95.4	7.3	92.7	
Other real estate and rental and leasing	other 53	35,922	9.5	90.5	35,922	6.2	93.8	D	D	2.1	97.9	5.8	94.2	
Professional, scientific, and technical services	54	154,446	18.5	81.5	154,446	13.8	86.2	6.2	93.8	5.1	94.9	11.1	88.9	
Architectural, engineering, and related services	5413	25,214	20.9	79.1	25,214	17.4	82.6	9.9	90.1	4.7	95.3	13.0	87.0	
Computer systems design and related services	5415	19,695	43.4	56.6	19,695	27.8	72.2	12.3	87.7	11.4	88.6	23.6	76.4	
Scientific research and development services	5417	2,790	42.7	57.3	2,790	27.7	72.3	21.4	78.6	8.1	91.9	13.8	86.2	
Biotechnology research and development	541711	543	39.6	60.4	543	27.6	72.4	22.3	77.7	8.3	91.7	14.8	85.2	
Physical, engineering, and life sciences (except biotechnology) research and development	541712	2,055	45.4	54.6	2,055	28.7	71.3	22.6	77.4	8.0	92.0	13.5	86.5	
Social sciences and humanities research and development	541720	192	23.2	76.8	192	17.5	82.5	6.2	93.8	8.3	91.7	14.3	85.7	
Other professional, scientific, and technical services	other 54	106,747	12.7	87.3	106,747	10.1	89.9	3.8	96.2	4.0	96.0	8.2	91.8	
Health care services	621–23	167,465	15.6	84.4	167,465	11.6	88.4	4.6	95.4	3.8	96.2	8.6	91.4	
Other nonmanufacturing	23, 44–45 (excluding 454111–12), 55–56, 624, 71–72, 81	461,312	11.7	88.3	461,312	10.0	90.0	3.6	96.4	3.7	96.3	8.3	91.7	
All companies (number of domestic employees)	–	1,138,671	16.7	83.3	1,138,671	13.1	86.9	5.9	94.1	4.8	95.2	9.8	90.2	
Micro companies ^e														
5–9	–	307,934	15.4	84.6	307,934	11.7	88.3	5.2	94.8	4.7	95.3	8.2	91.8	

TABLE 65

Companies that introduced new or significantly improved processes, by industry, industry proportions, and company size: 2014–16

(Number and percent)

Industry and company size	NAICS code	New or significantly improved products or processes			New or significantly improved processes									
		Companies (number)	Yes ^a	No ^b	Companies (number)	Any processes		Manufacturing or production methods		Logistics, delivery, or distribution methods		Support activities		
						Yes ^c	No ^d	Yes	No	Yes	No	Yes	No	
Small companies														
10–19	–	387,796	16.0	84.0	387,796	12.4	87.6	5.6	94.4	4.3	95.7	9.5	90.5	
20–49	–	290,964	16.9	83.1	290,964	13.6	86.4	5.8	94.2	4.9	95.1	10.7	89.3	
Medium companies														
50–99	–	83,527	20.7	79.3	83,527	17.2	82.8	8.3	91.7	6.8	93.2	12.5	87.5	
100–249	–	43,846	20.4	79.6	43,846	16.7	83.3	7.8	92.2	5.1	94.9	12.0	88.0	
Large companies														
250–499	–	11,925	18.0	82.0	11,925	14.5	85.5	7.4	92.6	4.4	95.6	10.4	89.6	
500–999	–	5,669	20.3	79.7	5,669	12.0	88.0	7.9	92.1	4.4	95.6	8.5	91.5	
1,000–4,999	–	5,125	19.4	80.6	5,125	14.8	85.2	9.1	90.9	6.3	93.7	10.8	89.2	
5,000–9,999	–	721	28.5	71.5	721	23.2	76.8	17.4	82.6	14.7	85.3	19.0	81.0	
10,000–24,999	–	838	47.2	52.8	838	43.6	56.4	10.0	90.0	39.4	60.6	41.6	58.4	
25,000 or more	–	326	25.5	74.5	326	23.0	77.0	14.7	85.3	15.8	84.2	21.2	78.8	

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

NAICS = 2012 North American Industry Classification System.

^a Includes companies responding "Yes" to at least one of the items on the survey relating to new or significantly improved products or processes.^b Includes companies responding "No" to all of the items on the survey relating to new or significantly improved products or processes.^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.**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. These statistics include an adjustment to account for item nonresponse beginning in survey year 2016. This change has affected the comparability of these company count estimates with estimates published for years prior to 2016. These statistics do not include an adjustment to account for unit nonresponse. Statistics are representative of companies located in the United States, regardless of whether the company performed or funded R&D.

Source(s)

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