

TABLE 47

**Product innovating companies, by industry: 2019, 2020, and 2021**

(Number and percent)

Industry	NAICS code	2019			2020			2021		
		All companies (number)	Product innovation (%)	No product innovation (%)	All companies (number)	Product innovation (%)	No product innovation (%)	All companies (number)	Product innovation (%)	No product innovation (%)
All industries	11, 21–23, 31–33, 42–81	4,857,473	10.9	89.1	4,865,616	9.0	91.0	4,874,928	9.4	90.6
Manufacturing industries	31–33	217,058	16.3	83.7	213,833	13.2	86.8	209,282	12.2	87.8
Food	311	18,379	13.2	86.8	18,385	11.3	88.7	19,326	12.4	87.6
Beverage and tobacco products	312	8,381	19.1	80.9	9,314	15.8	84.2	9,354	19.1	80.9
Textile, apparel, and leather products	313–16	10,205	15.9	84.1	9,850	11.1	88.9	9,443	11.6	88.4
Wood products	321	10,340	9.3	90.7	10,237	6.1	93.9	9,546	5.8	94.2
Paper	322	1,795	14.1	85.9	1,907	9.8	90.2	1,500	11.7	88.3
Printing and related support activities	323	21,035	15.9	84.1	20,357	9.9	90.1	20,212	9.6	90.4
Petroleum and coal products	324	693	3.9	96.1	463	11.9	88.1	546	4.0	96.0
Chemicals	325	7,759	20.2	79.8	8,095	20.2	79.8	7,961	21.0	79.0
Pesticide, fertilizer, and other agricultural chemicals	3,253	555	13.0	87.0	514	12.8	87.2	580	12.9	87.1
Pharmaceuticals and medicines	3,254	1,467	24.3	75.7	1,417	23.1	76.9	1,536	22.7	77.3
Soap, cleaning compound, and toilet preparation	3,256	1,772	20.5	79.5	1,807	16.3	83.7	1,652	20.5	79.5
Other chemicals	other 325	3,966	19.5	80.5	4,357	21.7	78.3	4,194	21.6	78.4
Plastics and rubber products	326	7,811	16.8	83.2	7,478	13.1	86.9	7,060	11.0	89.0
Nonmetallic mineral products	327	7,758	12.3	87.7	7,300	7.7	92.3	7,290	9.1	90.9
Primary metals	331	2,437	14.0	86.0	2,394	11.7	88.3	2,079	5.8	94.2
Fabricated metal products	332	48,470	12.6	87.4	46,992	9.4	90.6	46,128	8.4	91.6
Machinery	333	18,350	22.8	77.2	18,052	21.3	78.7	16,440	16.2	83.8
Computer and electronic products	334	8,851	33.1	66.9	8,732	27.7	72.3	8,527	24.9	75.1
Communications equipment	3,342	938	42.0	58.0	836	28.8	71.2	850	33.6	66.4
Semiconductor and other electronic components	3,344	2,914	24.8	75.2	2,773	21.9	78.1	2,711	20.6	79.4
Navigational, measuring, electromedical, and control instruments	3,345	3,649	37.5	62.5	3,753	31.8	68.2	3,737	23.8	76.2
Other computer and electronic products	other 334	1,349	32.5	67.5	1,369	27.3	72.7	1,230	31.6	68.4
Electrical equipment, appliances, and components	335	3,874	26.9	73.1	4,064	25.0	75.0	3,925	23.1	76.9
Transportation equipment	336	7,638	19.8	80.2	7,786	17.6	82.4	7,325	16.5	83.5
Automobiles, bodies, trailers, and parts	3361–63	4,728	18.5	81.5	5,054	16.4	83.6	4,494	16.7	83.3
Aerospace products and parts	3,364	1,099	19.5	80.5	994	15.4	84.6	1,044	17.5	82.5
Other transportation	other 336	1,810	23.1	76.9	1,738	22.0	78.0	1,787	15.1	84.9
Furniture and related products	337	12,927	12.0	88.0	12,594	8.3	91.7	12,060	6.7	93.3
Miscellaneous	339	20,251	17.5	82.5	19,761	15.4	84.6	20,536	13.3	86.7
Medical equipment and supplies	3,391	8,014	19.2	80.8	7,588	13.9	86.1	7,602	11.6	88.4
Other miscellaneous manufacturing	3,399	12,237	16.3	83.7	12,172	16.3	83.7	12,933	14.4	85.6
Nonmanufacturing industries	11, 21–23, 42–81	4,640,414	10.7	89.3	4,651,784	8.8	91.2	4,665,645	9.3	90.7

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Agriculture, forestry, fishing, and hunting	11	22,732	5.8	94.2	21,859	4.7	95.3	19,567	4.7	95.3
Mining, extraction, and support activities	21	15,475	3.4	96.6	15,323	2.6	97.4	14,004	3.5	96.5
Utilities	22	2,615	7.1	92.9	2,729	5.1	94.9	2,994	6.1	93.9
Construction	23	627,340	6.4	93.6	627,170	5.2	94.8	635,568	4.9	95.1
Wholesale trade	42	253,680	16.1	83.9	246,019	12.8	87.2	241,440	10.1	89.9
Retail trade	44-45	554,596	11.7	88.3	548,126	8.7	91.3	546,067	10.4	89.6
Transportation and warehousing	48-49	157,728	7.5	92.5	160,599	6.0	94.0	165,454	6.2	93.8
Information	51	62,834	24.8	75.2	63,631	22.2	77.8	65,445	18.9	81.1
Publishing	511	18,521	31.0	69.0	17,644	28.5	71.5	17,755	26.5	73.5
Newspaper, periodical, book, and directory publishers	5,111	9,824	19.9	80.1	9,186	15.9	84.1	9,162	12.0	88.0
Software publishers	5,112	8,698	43.6	56.4	8,459	42.2	57.8	8,589	42.0	58.0
Telecommunications	517	6,907	22.0	78.0	7,670	23.2	76.8	7,319	14.9	85.1
Data processing, hosting, and related services	518	8,155	31.2	68.8	8,311	31.2	68.8	8,346	22.9	77.1
Other information	other 51	29,253	19.8	80.2	30,006	15.6	84.4	32,027	14.5	85.5
Finance and insurance	52	203,913	10.5	89.5	198,294	9.8	90.2	198,128	9.2	90.8
Real estate and rental and leasing	53	266,098	7.0	93.0	272,733	5.5	94.5	283,276	5.4	94.6
Lessors of nonfinancial intangible assets (except copyrighted works)	533	2,106	15.3	84.7	1,581	13.9	86.1	1,956	9.6	90.4
Other real estate and rental and leasing	other 53	263,991	7.0	93.0	271,153	5.4	94.6	281,321	5.4	94.6
Professional, scientific, and technical services	54	704,191	13.3	86.7	709,564	11.8	88.2	717,229	11.4	88.6
Legal services	5,411	151,977	4.6	95.4	153,271	4.2	95.8	152,543	4.2	95.8
Accounting, tax preparation, bookkeeping, and payroll services	5,412	106,233	6.4	93.6	106,909	5.9	94.1	109,075	7.1	92.9
Architectural, engineering, and related services	5,413	87,739	13.2	86.8	88,331	11.9	88.1	87,994	10.0	90.0
Specialized design services	5,414	27,355	15.3	84.7	29,243	14.5	85.5	29,258	14.5	85.5
Computer systems design and related services	5,415	97,862	24.7	75.3	98,634	22.1	77.9	100,282	18.6	81.4
Management, scientific, and technical consulting services	5,416	137,973	16.5	83.5	139,202	14.8	85.2	144,421	15.7	84.3
Scientific research and development services	5,417	10,517	24.9	75.1	10,785	22.2	77.8	11,149	19.2	80.8
Advertising, public relations, and related services	5,418	27,194	15.5	84.5	27,701	14.4	85.6	28,236	14.6	85.4
Other professional, scientific, and technical services	5,419	57,339	17.7	82.3	55,490	12.9	87.1	54,270	12.9	87.1
Management of companies and enterprises	55	2,391	7.1	92.9	2,331	7.3	92.7	3,153	3.0	97.0
Administrative and support and waste management and remediation services	56	285,195	9.3	90.7	291,891	7.4	92.6	293,539	8.1	91.9
Educational services	61	55,306	18.3	81.7	56,639	18.2	81.8	57,078	23.7	76.3
Health care and social assistance	62	526,683	11.4	88.6	531,069	10.8	89.2	536,276	11.5	88.5
Health care services	621-23	462,026	11.1	88.9	466,688	10.7	89.3	469,939	11.5	88.5
Social assistance	624	64,657	13.2	86.8	64,382	11.3	88.7	66,336	11.7	88.3

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Arts, entertainment, and recreation	71	90,036	11.1	88.9	90,143	10.5	89.5	89,491	10.4	89.6
Accommodation and food services	72	464,061	8.9	91.1	464,142	7.0	93.0	455,071	9.8	90.2
Other services	81	345,543	11.0	89.0	349,519	7.1	92.9	341,869	8.5	91.5

r = relative standard error &gt; 50%.

NAICS = 2017 North American Industry Classification System.

**Note(s):**

Detail across rows may not add to total because of rounding or unavailable NAICS detail for select records beyond the 4-digit industry classification. Detail across columns have been adjusted to add to total. Industry classification is based on dominant establishment payroll. Statistics are representative of companies located in the United States.

**Source(s):**

National Center for Science and Engineering Statistics and Census Bureau, 2022 Annual Business Survey: Data Year 2021.