

TABLE 83

Process innovation in companies with public support, by industry: 2015–17

(Number and percent)

Industry	NAICS code	Companies (number)	Public support			
			Number		Percent	
			Yes	No	Yes	No
All industries	11, 21–23, 31–33, 42–81	752,895	27,890	725,005	3.7	96.3
Manufacturing industries	31–33	75,816	5,570	70,246	7.3	92.7
Food	311	5,795	472	5,323	8.2	91.8
Beverage and tobacco products	312	2,570	317	2,254	12.3	87.7
Textile, apparel, and leather products	313–16	3,038	142	2,896	4.7	95.3
Wood products	321	3,188	148	3,039	4.7	95.3
Paper	322	831	73	758	8.8	91.2
Printing and related support activities	323	6,897	213	6,684	3.1	96.9
Petroleum and coal products	324	188	15	174	7.7	92.3
Chemicals	325	3,053	297	2,756	9.7	90.3
Pesticide, fertilizer, and other agricultural chemicals	3253	170	12	157	7.3	92.7
Pharmaceuticals and medicines	3254	654	85	569	13.0	87.0
Soap, cleaning compound, and toilet preparation	3256	592	34	558	5.8	94.2
Other chemicals	other 325	1,637	165	1,472	10.1	89.9
Plastics and rubber products	326	3,275	407	2,867	12.4	87.6
Nonmetallic mineral products	327	2,393	169	2,224	7.1	92.9
Primary metals	331	970	91	879	9.4	90.6
Fabricated metal products	332	16,472	966	15,506	5.9	94.1
Machinery	333	7,049	820	6,229	11.6	88.4
Computer and electronic products	334	3,723	492	3,230	13.2	86.8
Communications equipment	3342	339	28	311	8.2	91.8
Semiconductor and other electronic components	3344	1,365	227	1,138	16.6	83.4
Navigational, measuring, electromedical, and control instruments	3345	1,495	208	1,287	13.9	86.1
Other computer and electronic products	other 334	524	29	495	5.5	94.5
Electrical equipment, appliances, and components	335	1,586	142	1,444	9.0	91.0
Transportation equipment	336	2,917	274	2,643	9.4	90.6
Automobiles, bodies, trailers, and parts	3361–63	1,933	217	1,717	11.2	88.8
Aerospace products and parts	3364	424	24	400	5.6	94.4
Other transportation	other 336	560	34	526	6.1	93.9
Furniture and related products	337	3,920	138	3,783	3.5	96.5
Miscellaneous	339	7,933	393	7,540	5.0	95.0
Medical equipment and supplies	3391	2,937	166	2,772	5.6	94.4
Other miscellaneous manufacturing	3399	4,995	227	4,768	4.6	95.4
Nonmanufacturing industries	11, 21–23, 42–81	677,080	22,320	654,760	3.3	96.7
Agriculture, forestry, fishing, and hunting	11	2,816	200	2,616	7.1	92.9
Mining, extraction, and support activities	21	1,791	30	1,761	1.7	98.3
Utilities	22	455	26	429	5.7	94.3
Construction	23	75,436	1,774	73,662	2.4	97.6
Wholesale trade	42	59,093	1,990	57,103	3.4	96.6
Retail trade	44–45	81,259	1,927	79,331	2.4	97.6
Transportation and warehousing	48–49	38,696	811	37,884	2.1	97.9
Information	51	14,796	1,027	13,769	6.9	93.1
Publishing	511	4,920	338	4,582	6.9	93.1
Newspaper, periodical, book, and directory publishers	5111	2,195	54	2,141	2.5	97.5
Software publishers	5112	2,725	283	2,442	10.4	89.6
Telecommunications	517	1,695	186	1,509	11.0	89.0
Data processing, hosting, and related services	518	3,050	296	2,754	9.7	90.3
Other information	other 51	5,132	208	4,924	4.0	96.0

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			Number		Percent	
			Yes	No	Yes	No
Finance and insurance	52	31,209	483	30,726	1.5	98.5
Real estate and rental and leasing	53	26,507	736	25,770	2.8	97.2
Lessors of nonfinancial intangible assets (except copyrighted works)	533	266	6 r	260	2.2 r	97.8
Other real estate and rental and leasing	other 53	26,241	731	25,510	2.8	97.2
Professional, scientific, and technical services	54	127,072	5,429	121,643	4.3	95.7
Legal services	5411	16,221	271	15,949	1.7	98.3
Accounting, tax preparation, bookkeeping, and payroll services	5412	19,545	232	19,314	1.2	98.8
Architectural, engineering, and related services	5413	16,486	1,166	15,321	7.1	92.9
Specialized design services	5414	4,747	96	4,650	2.0	98.0
Computer systems design and related services	5415	31,432	1,578	29,854	5.0	95.0
Management, scientific, and technical consulting services	5416	23,328	900	22,429	3.9	96.1
Scientific research and development services	5417	2,319	789	1,530	34.0	66.0
Advertising, public relations, and related services	5418	4,944	149	4,795	3.0	97.0
Other professional, scientific, and technical services	5419	8,049	248	7,801	3.1	96.9
Management of companies and enterprises	55	205	16 r	189	7.7 r	92.3
Administrative and support and waste management and remediation services	56	42,861	811	42,051	1.9	98.1
Educational services	61	9,300	462	8,838	5.0	95.0
Health care and social assistance	62	65,473	3,603	61,871	5.5	94.5
Health care services	621–23	58,380	2,569	55,811	4.4	95.6
Social assistance	624	7,093	1,033	6,060	14.6	85.4
Arts, entertainment, and recreation	71	9,045	293	8,752	3.2	96.8
Accommodation and food services	72	50,080	1,617	48,463	3.2	96.8
Other services	81	40,986	1,084	39,901	2.6	97.4

r = relative standard error > 50%.

NAICS = 2017 North American Industry Classification System.

Note(s):

Detail may not add to total because of rounding. Industry classification is based on the dominant establishment payroll. Statistics are representative of companies located in the United States.

Source(s):

National Center for Science and Engineering Statistics and U.S. Census Bureau, Annual Business Survey, 2017.