

TABLE 3

**Observed and predicted any product innovation and new-to-market innovation rates, by state**

(Share of innovating firms)

State	Any product innovation			New-to-market innovation		
	Observed	Predicted	Shift	Observed	Predicted	Shift
AL	0.1726	0.1927	-	0.0759	0.0870	
AK	0.2189	0.1852	+	0.1052	0.0806	+
AZ	0.2100	0.1965		0.0942	0.0871	
AR	0.1779	0.1903		0.0789	0.0850	
CA	0.2111	0.2038	+	0.0979	0.0930	
CO	0.2219	0.1953	+	0.0987	0.0867	+
CT	0.1860	0.2020		0.0833	0.0927	
DE	0.2130	0.1978		0.1028	0.0892	
DC	0.2324	0.2086		0.1109	0.0926	
FL	0.2053	0.1980		0.0889	0.0882	
GA	0.1985	0.1969		0.0866	0.0887	
HI	0.2182	0.1960		0.0975	0.0884	
ID	0.1900	0.1840		0.0875	0.0807	
IL	0.1942	0.1945		0.0865	0.0879	
IN	0.1944	0.1925		0.0887	0.0875	
IA	0.1765	0.1856		0.0843	0.0836	
KS	0.1815	0.1893		0.0805	0.0850	
KY	0.1660	0.1932	-	0.0680	0.0867	-
LA	0.1677	0.1917	-	0.0734	0.0853	
ME	0.2002	0.1854		0.0945	0.0829	
MD	0.1897	0.1937		0.0830	0.0849	
MA	0.1900	0.1985		0.0877	0.0902	
MI	0.1995	0.1986		0.0924	0.0914	
MN	0.1920	0.1928		0.0837	0.0869	
MS	0.1685	0.1900		0.0721	0.0860	-
MO	0.1856	0.1925		0.0837	0.0862	
MT	0.2257	0.1843	+	0.1064	0.0817	+
NE	0.1772	0.1829		0.0791	0.0811	
NV	0.2229	0.1983	+	0.1069	0.0884	+
NH	0.2147	0.1993		0.0995	0.0923	
NJ	0.1882	0.2019	-	0.0860	0.0918	
NM	0.2169	0.1909	+	0.1047	0.0846	+
NY	0.1819	0.2015	-	0.0823	0.0921	-
NC	0.2004	0.1938		0.0943	0.0874	
ND	0.1768	0.1753		0.0822	0.0780	
OH	0.1870	0.1975	-	0.0839	0.0906	
OK	0.1733	0.1899		0.0770	0.0844	
OR	0.2103	0.1932	+	0.0953	0.0871	
PA	0.1885	0.1966		0.0847	0.0896	
RI	0.1974	0.1983		0.0926	0.0910	
SC	0.1868	0.1923		0.0756	0.0863	
SD	0.1717	0.1790		0.0828	0.0801	
TN	0.1984	0.1967		0.0857	0.0895	
TX	0.2006	0.1955		0.0901	0.0874	
UT	0.2104	0.1945		0.0985	0.0864	
VT	0.1894	0.1929		0.0983	0.0878	
VA	0.2023	0.1925		0.0912	0.0849	
WA	0.2023	0.1933		0.0894	0.0867	
WV	0.1435	0.1840	-	0.0565	0.0817	-

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	Observed	Predicted	Shift	Observed	Predicted	Shift
WI	0.1829	0.1914		0.0857	0.0878	
WY	0.2059	0.1805		0.0919	0.0788	

**Note(s):**

Shift refers to regional innovative shift in which + indicates that observed is statistically larger than predicted at the 0.05 level, and - indicates that observed is statistically smaller than predicted at the 0.05 level. These estimates are derived from companies with only a single location and may differ from the published innovation counts and estimates based on single- and multi-unit firms (Kindlon 2021). Limiting analysis to single-unit firms eliminates the potential headquarters' bias resulting from attributing innovation to the reporting location of multi-unit firms and reduces potential measurement error resulting from attributing company reports of innovation to all branch locations. The statistics allow inferences regarding the population of single-unit firms but do not allow inferences regarding the population of all firms.

**Source(s):**

National Center for Science and Engineering Statistics and Census Bureau, 2018 Annual Business Survey: Data Year 2017.