

TABLE 5

Comparison of standardization and decomposition of patenting rates for global city commuting zones based on population growth rate

(Patenting rates)

Patenting rates	Summary occupations ^a				Detailed occupations			
	Standardization of patenting rates		Decomposition of effects		Standardization of patenting rates		Decomposition of effects	
	High growth	Low growth	Effects (High-low)	Percent distribution of effects	High growth	Low growth	Effects (High-low)	Percent distribution of effects
Rate factor (RF)—Standardized	0.00289	0.00312	-0.0002	-28.96	0.0029	0.0031	-0.0002	-25.91
Compositional factor (CF)—Standardized	0.00351	0.0025	0.001	128.96	0.0035	0.00251	0.001	125.91
Observed	0.00338	0.00259			0.00338	0.00259		

^a See Wojan TR, Dotzel KR, Low SA, 2015, Decomposing Regional Patenting Rates: How the Composition Factor Confounds the Rate Factor, *Regional Studies, Regional Science* 2(1):535–51.

Note(s):

RF is patents per inventive class member, and CF is inventive class as a share of total commuting zone population. Following Wojan, Dotzel, and Low (2015), Aleutians West Census Area, AK, is omitted from the Seattle, WA, commuting zone.

Source(s):

U.S. Patent and Trademark Office; Census Bureau, special tabulations (2015) of the 2000 Census.