

Supplemental Online Content

Patrick SW, Dupont WD, McNeer E, et al. Association of Individual and Community Factors With Hepatitis C Infections Among Pregnant People and Newborns. *JAMA Health Forum*. 2021;2(10):e213470. doi:10.1001/jamahealthforum.2021.3470

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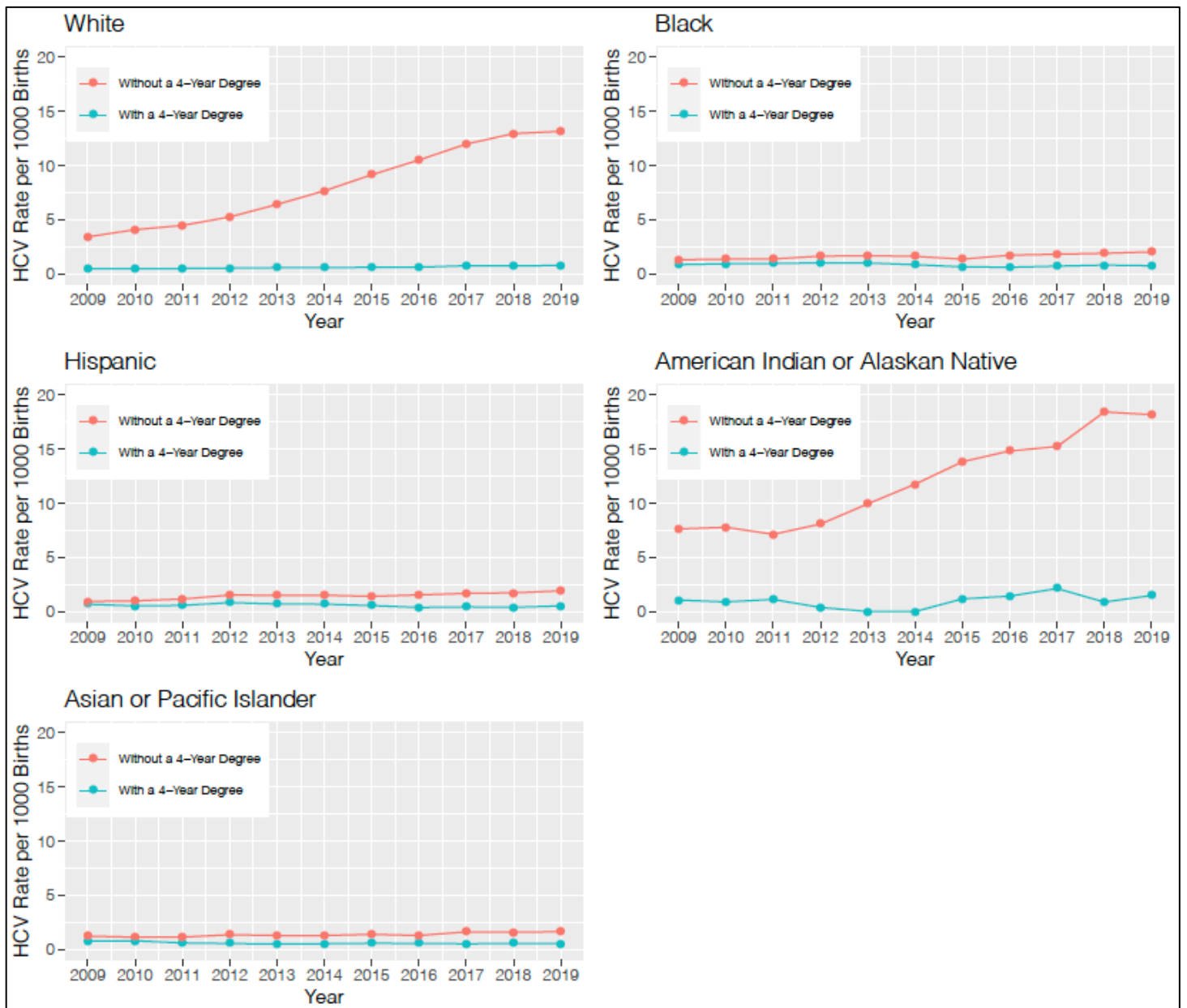
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eFigure 10. County Geographic Variation in Hepatitis C Infections Among Pregnant People, US 2017

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This supplemental material has been provided by the authors to give readers additional information about their work.

eFigure 1. Rate of HCV Among Pregnant People By Race and Education-Level, US 2009-2019.



eTable 1. Multivariable Analysis of County Factors Associated with Modifying HCV Risk Over Time among High-Risk Pregnant People.

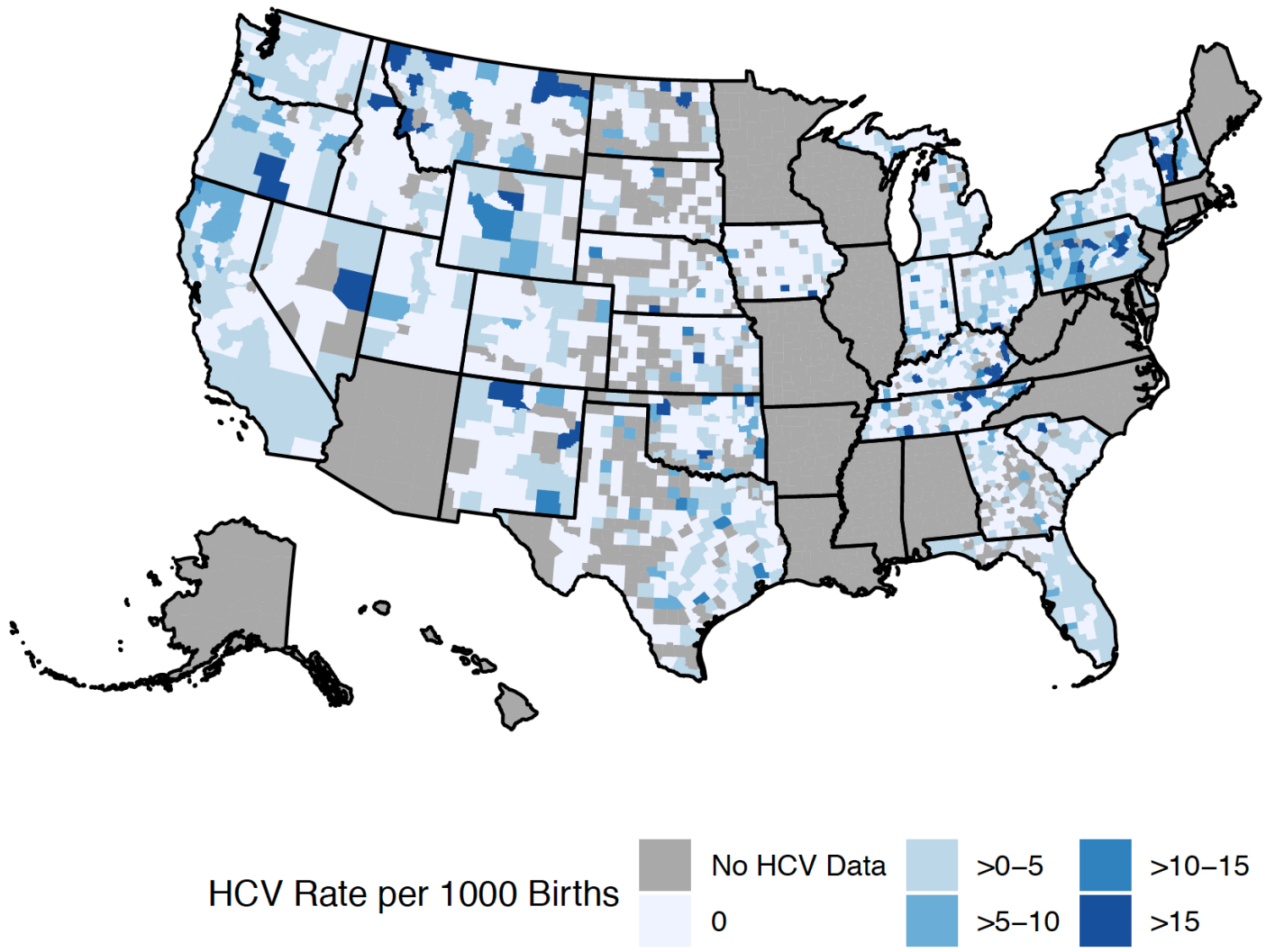
		Model Including Only White and American Indian or Alaskan Native People without a 4-year Degree OR (95% C.I.)
Year'		1.89 (1.67 – 2.13)
Year''		0.42 (0.32 – 0.56)
Year'''		8.96 (3.40 – 23.61)
Individual Characteristics		
Previous births		1.30 (1.30 – 1.31)
Payment		
	Private Insurance	Reference
	Medicaid	3.69 (3.62 – 3.77)
	Self-Pay	2.29 (2.19 – 2.39)
	Other	3.35 (3.23 – 3.48)
Marital Status		
	Married	Reference
	Unmarried	2.94 (2.89 – 2.98)
County Characteristics		
Rurality		
	Urban	Reference
	Rural Adjacent	0.82 (0.74 – 0.92)
	Rural Remote	0.92 (0.81 – 1.05)
Employed per 1,000		1.00 (1.00 – 1.00)
Obstetricians per 1,000		0.92 (0.57 – 1.46)
Interactions		
Rurality*Year'		
	Rural Adjacent	1.01 (0.97 – 1.05)
	Rural Remote	0.97 (0.93 – 1.01)
Rurality*Year''		
	Rural Adjacent	0.98 (0.90 – 1.07)
	Rural Remote	1.02 (0.92 – 1.12)
Rurality*Year'''		
	Rural Adjacent	1.07 (0.78 – 1.47)
	Rural Remote	0.96 (0.67 – 1.37)
Employed per 1,000*Year'		1.00 (1.00 – 1.00)
Employed per 1,000*Year''		1.00 (1.00 – 1.00)
Employed per 1,000*Year'''		0.99 (0.99 – 1.00)
Obstetricians per 1,000*Year'		1.07 (0.92 – 1.23)
Obstetricians per 1,000*Year''		0.83 (0.61 – 1.14)
Obstetricians per 1,000*Year'''		1.44 (0.47 – 4.44)

eTable 2. Predicted Probability of Hepatitis C Infection among Non-Hispanic White and American Indian or Alaskan Native People without a 4-Year Degree by County Characteristics, 2009-2019.

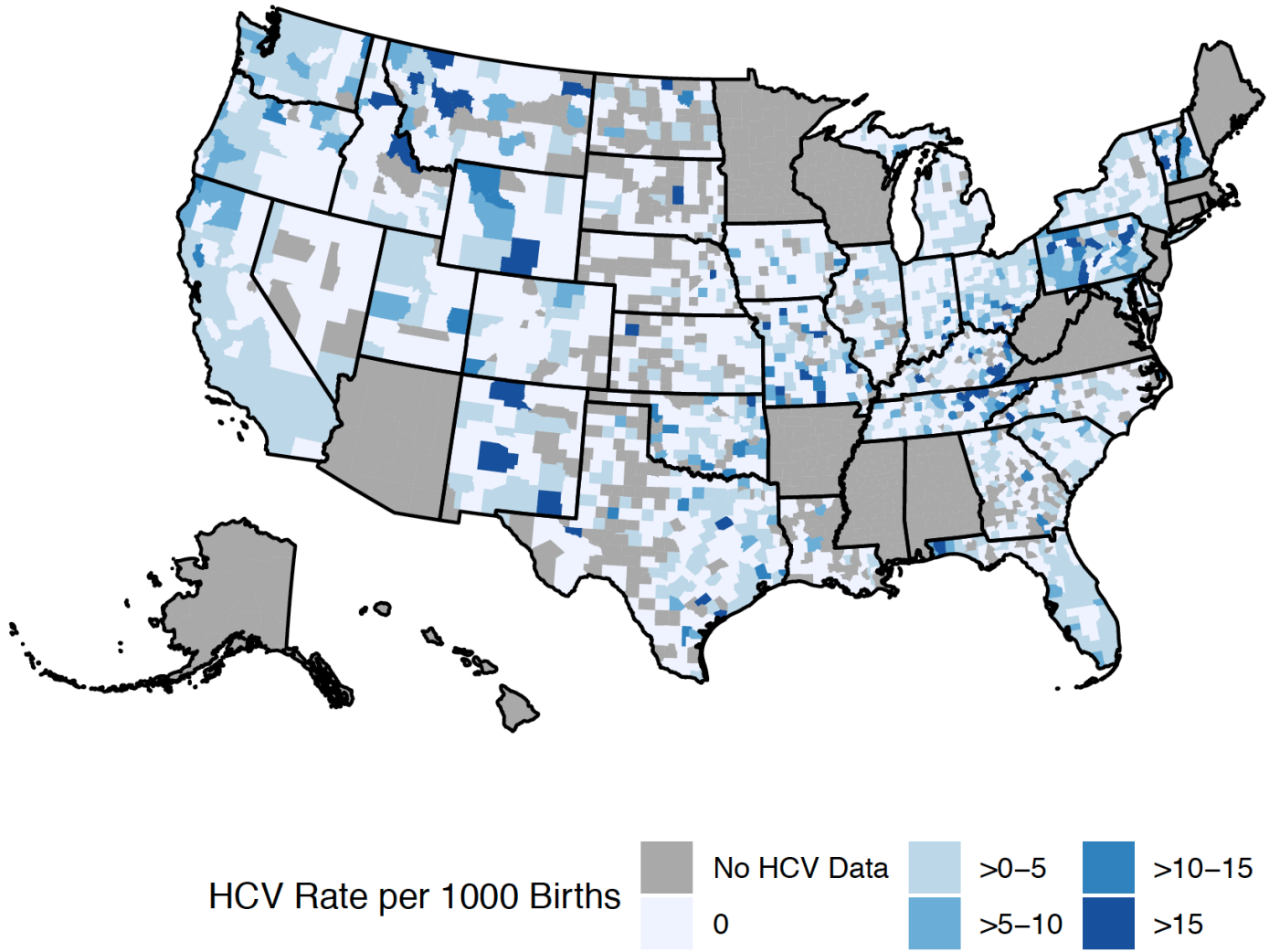
		2009 % (95%CI)	2010 % (95%CI)	2011 % (95%CI)	2012 % (95%CI)	2013 % (95%CI)	2014 % (95%CI)	2015 % (95%CI)	2016 % (95%CI)	2017 % (95%CI)	2018 % (95%CI)	2019 % (95%CI)
Rurality	Rural Remote	0.24% (0.18%-0.31%)	0.27% (0.21%-0.32%)	0.29% (0.24%-0.34%)	0.31% (0.27%-0.36%)	0.34% (0.31%-0.38%)	0.38% (0.34%-0.41%)	0.41% (0.37%-0.45%)	0.46% (0.41%-0.50%)	0.50% (0.43%-0.57%)	0.56% (0.46%-0.65%)	0.62% (0.50%-0.75%)
	Rural Adjacent	0.20% (0.16%-0.25%)	0.23% (0.19%-0.27%)	0.26% (0.22%-0.30%)	0.29% (0.26%-0.32%)	0.33% (0.30%-0.36%)	0.38% (0.35%-0.40%)	0.43% (0.40%-0.46%)	0.49% (0.44%-0.54%)	0.56% (0.50%-0.63%)	0.65% (0.55%-0.75%)	0.75% (0.61%-0.88%)
	Urban	0.25% (0.23%-0.28%)	0.28% (0.26%-0.31%)	0.32% (0.29%-0.34%)	0.35% (0.33%-0.38%)	0.40% (0.37%-0.43%)	0.45% (0.42%-0.48%)	0.51% (0.48%-0.54%)	0.58% (0.54%-0.62%)	0.66% (0.61%-0.71%)	0.75% (0.69%-0.82%)	0.86% (0.78%-0.95%)
Employment Rate	10 th Percentile	0.16% (0.14%-0.18%)	0.19% (0.17%-0.21%)	0.24% (0.21%-0.26%)	0.30% (0.27%-0.32%)	0.37% (0.35%-0.40%)	0.47% (0.43%-0.51%)	0.59% (0.54%-0.64%)	0.73% (0.66%-0.80%)	0.90% (0.80%-1.01%)	1.11% (0.97%-1.26%)	1.37% (1.16%-1.58%)
	90 th Percentile	0.36% (0.30%-0.43%)	0.33% (0.29%-0.37%)	0.35% (0.32%-0.39%)	0.37% (0.34%-0.41%)	0.39% (0.36%-0.42%)	0.41% (0.38%-0.44%)	0.43% (0.40%-0.46%)	0.44% (0.41%-0.48%)	0.46% (0.42%-0.50%)	0.47% (0.42%-0.52%)	0.48% (0.42%-0.54%)
Obstetrician Rate	10 th Percentile	0.26% (0.22%-0.31%)	0.29% (0.25%-0.33%)	0.32% (0.29%-0.36%)	0.36% (0.32%-0.39%)	0.40% (0.37%-0.43%)	0.44% (0.41%-0.47%)	0.50% (0.46%-0.53%)	0.56% (0.52%-0.60%)	0.63% (0.57%-0.68%)	0.71% (0.64%-0.78%)	0.80% (0.71%-0.90%)
	90 th Percentile	0.25% (0.22%-0.27%)	0.27% (0.25%-0.30%)	0.30% (0.28%-0.33%)	0.34% (0.32%-0.37%)	0.38% (0.36%-0.41%)	0.43% (0.41%-0.46%)	0.49% (0.46%-0.52%)	0.56% (0.52%-0.59%)	0.63% (0.59%-0.68%)	0.72% (0.67%-0.78%)	0.83% (0.75%-0.90%)

*After accounting for year, previous births, payment source, marital status, interactions between county characteristics and year.

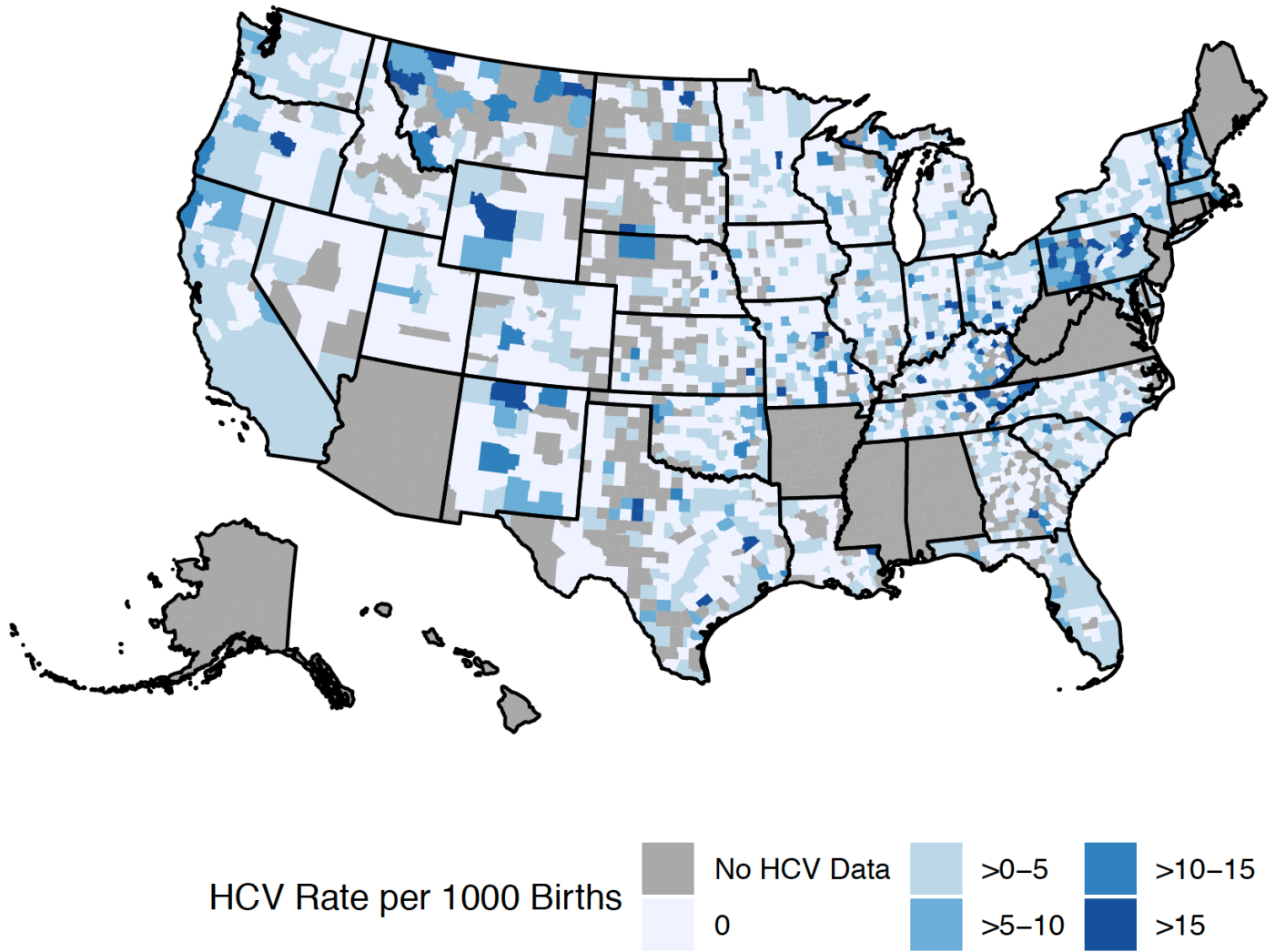
eFigure 2. County Geographic Variation in Hepatitis C Infections Among Pregnant People, US 2009.



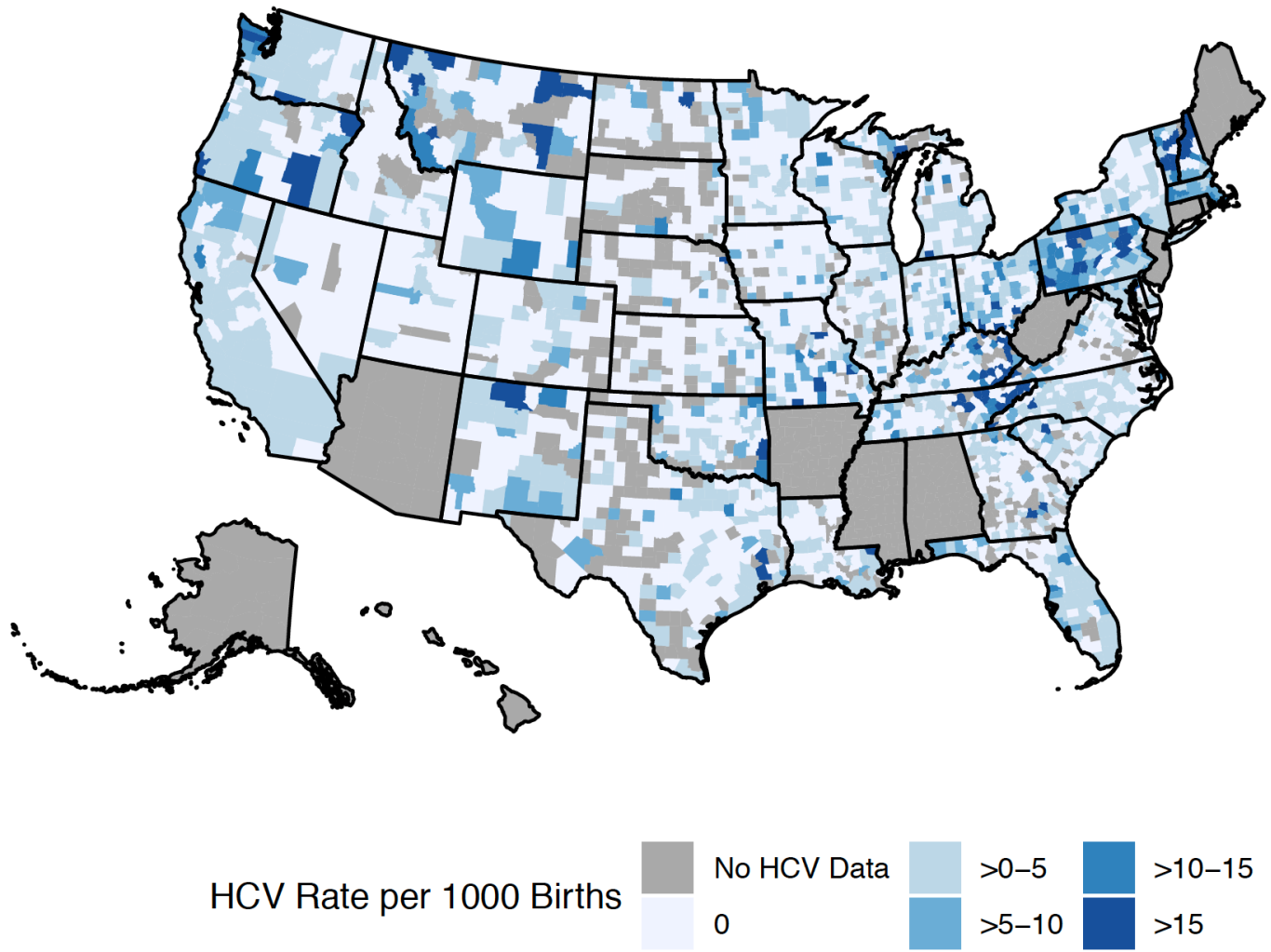
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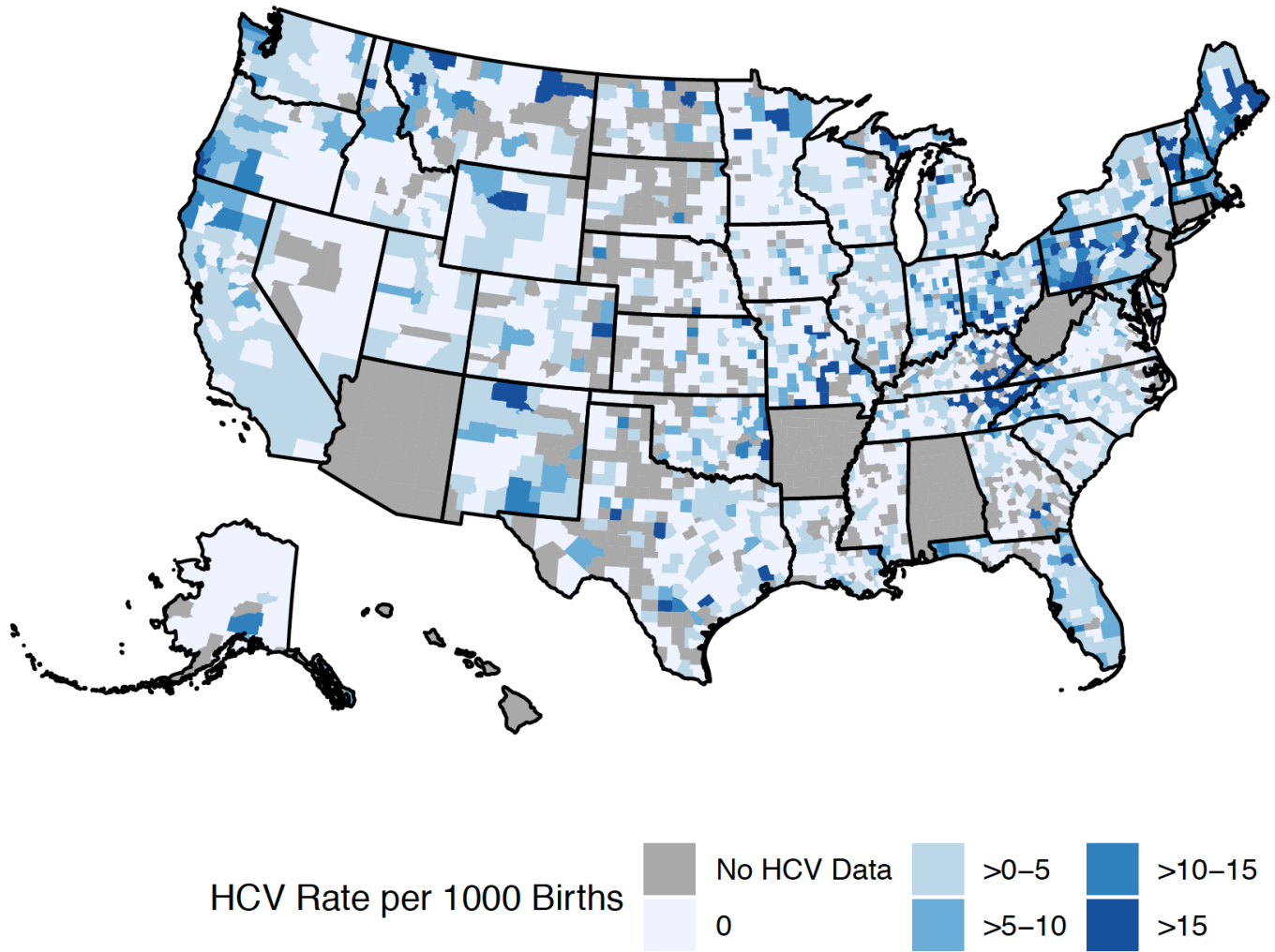
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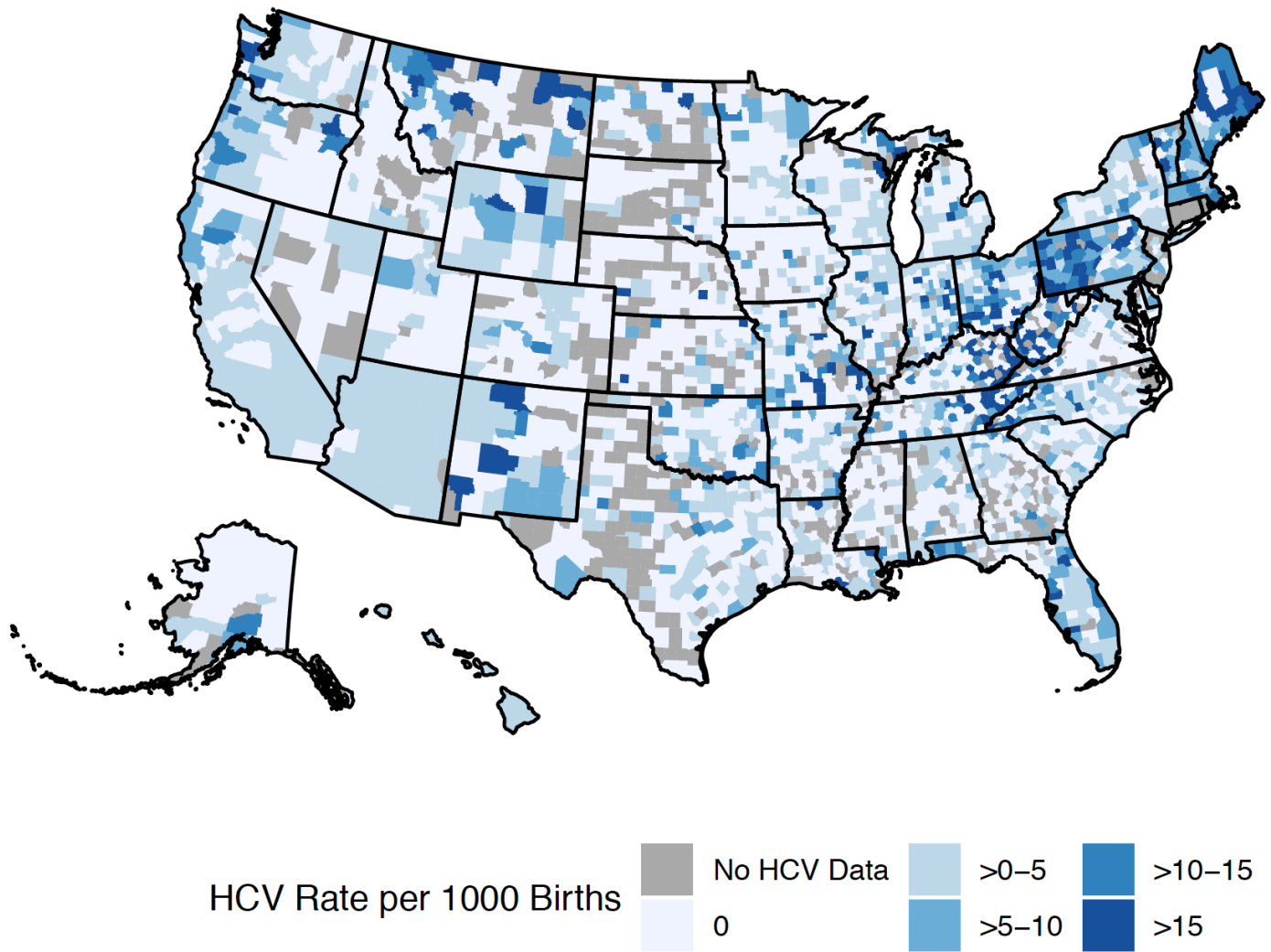
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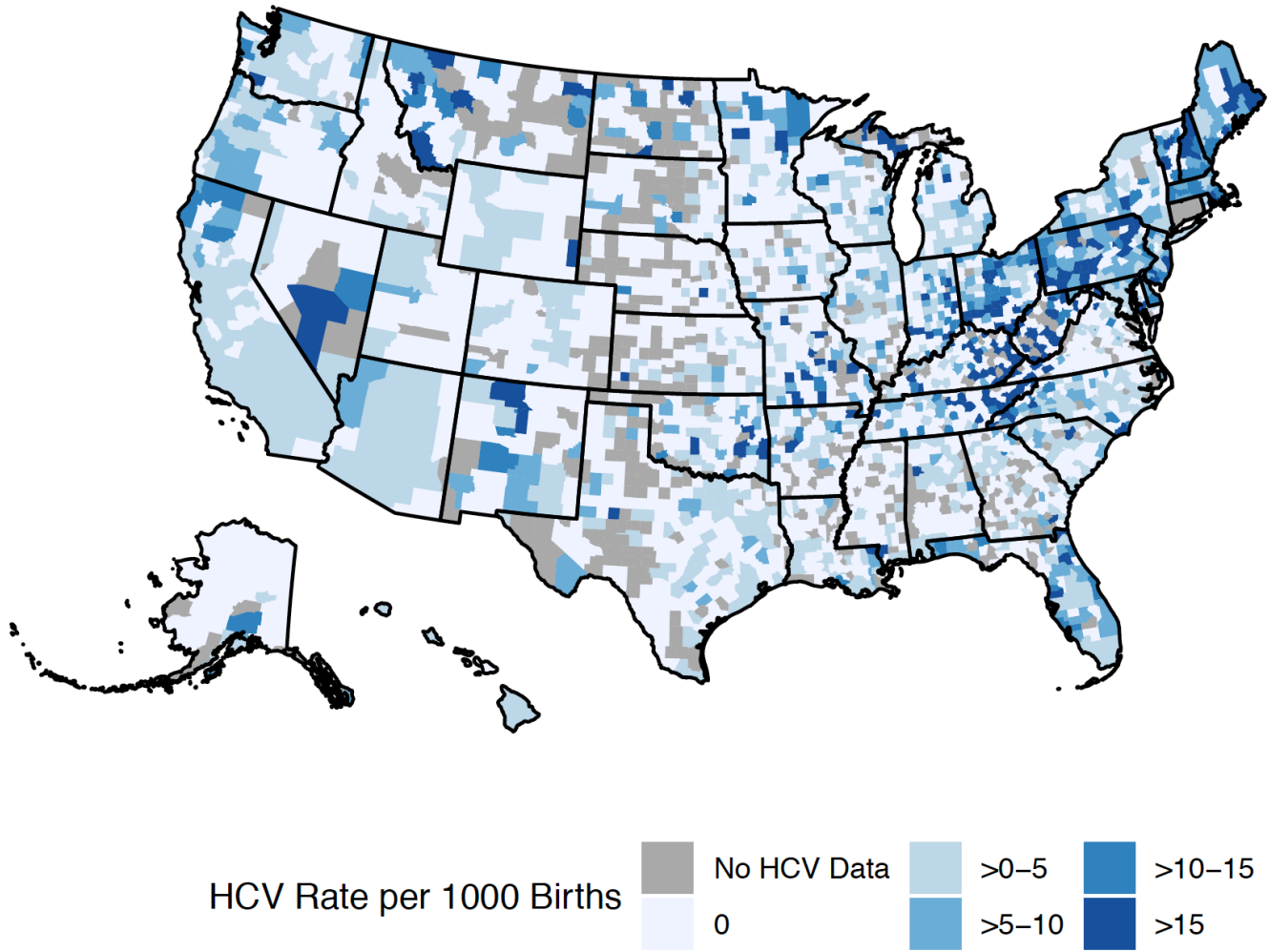
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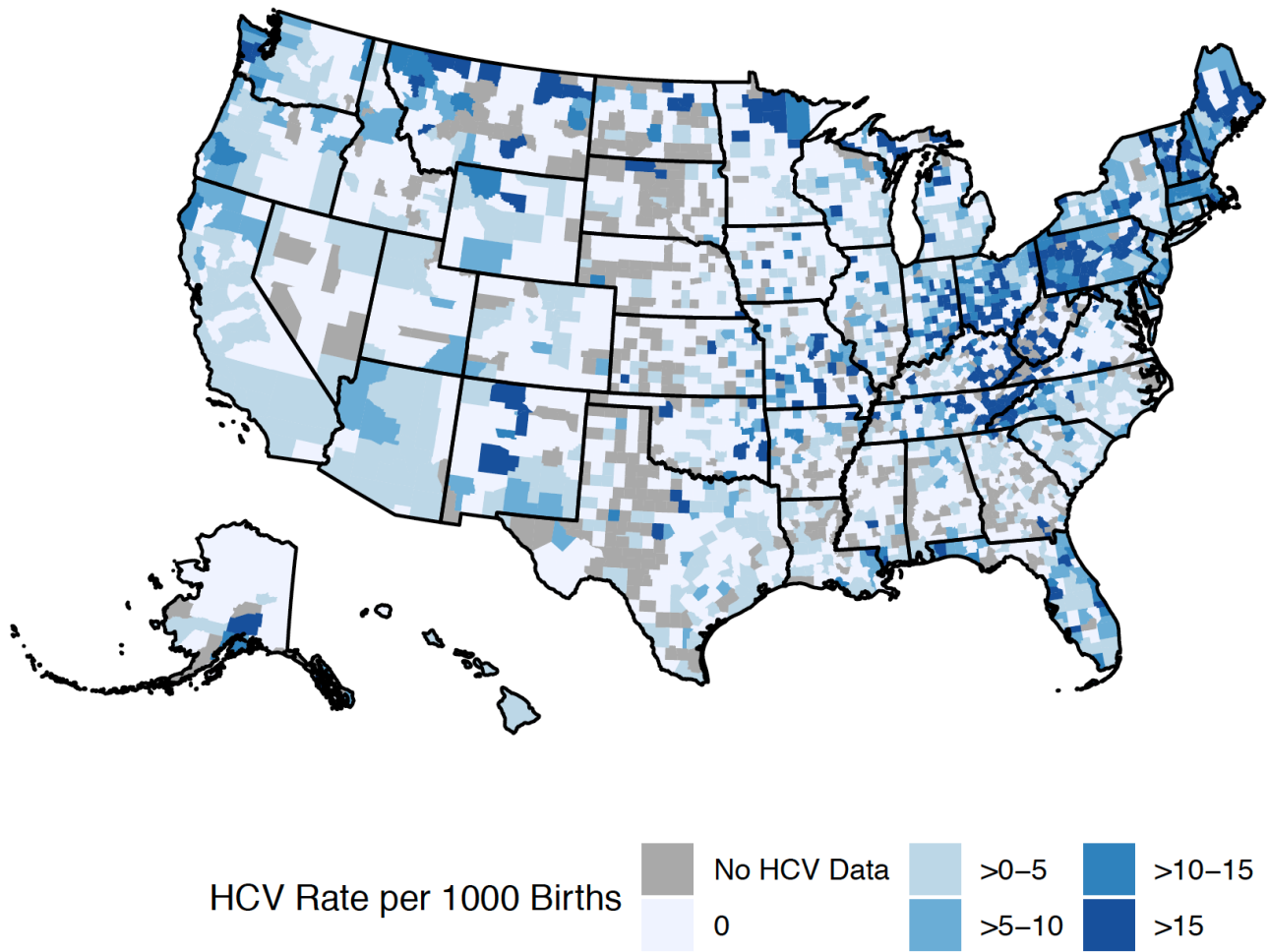
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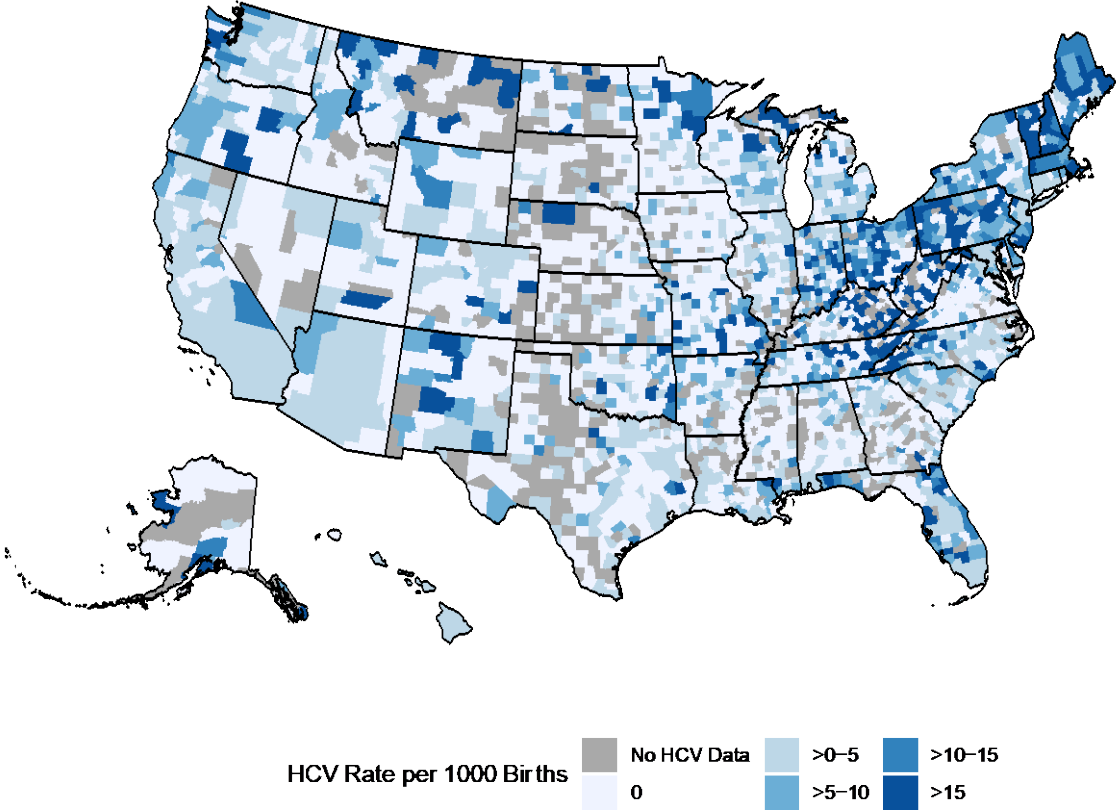
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