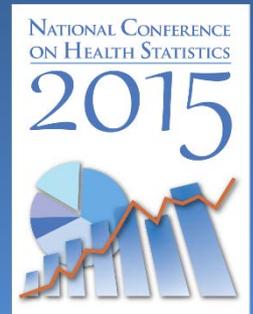


2015 National Conference on Health Statistics

National, State, and County Patterns of Teen Births in the United States

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Reproductive Statistics Branch
Division of Vital Statistics
National Center for Health Statistics



Acknowledgment

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Rong Wei (ORM/NCHS/CDC)

Erin Dienes (formerly ORM/NCHS/CDC)

Stephanie J. Ventura (formerly DVS/NCHS/CDC)

Reports

Births to Teenagers in the United States, 1940–2000

by Stephanie J. Ventura, M.A., T.J. Mathews, M.S., and Brady E. Hamilton, Ph.D.
Division of Vital Statistics

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NCHS Data Brief ■ No. 46 ■ October 2010

State Disparities in Teenage Birth Rates in the United States

T.J. Mathews, M.S.; Paul D. Sutton, Ph.D.; Brady E. Hamilton, Ph.D.; and Stephanie J. Ventura, M.A.

NCHS Data Brief ■ No. 58 ■ February 2011

U.S. Teenage Birth Rate Resumes Decline

Stephanie J. Ventura, M.A., and Brady E. Hamilton, Ph.D.

NCHS Data Brief ■ No. 89 ■ April 2012

Birth Rates for U.S. Teenagers Reach Historic Lows for All Age and Ethnic Groups

Brady E. Hamilton, Ph.D., and Stephanie J. Ventura, M.A.

NCHS Data Brief ■ No. 123 ■ May 2013

Declines in State Teen Birth Rates by Race and Hispanic Origin

Brady E. Hamilton, Ph.D.; T.J. Mathews, M.S.; and Stephanie J. Ventura, M.A.

Key findings

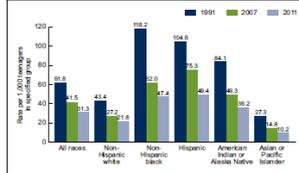
- Teen birth rates fell at least 15% for all but two states during 2007–2011—the most recent period of sustained decline, rates fell 30% or more in seven states.
- Declines in rates were steeper for Hispanic teenagers, averaging 34% for the United States, followed by declines of 24% for non-Hispanic black teenagers and 20% for non-Hispanic white teenagers.
- The long-term difference between birth rates for non-Hispanic black and Hispanic teenagers has essentially disappeared, and by 2011 their rates were similar.
- Rates for Hispanic teenagers fell 40% or more in 22 states and the District of Columbia (DC); rates dropped at least 30% in 37 states and DC.

Teen birth rates fell steeply in the United States from 2007 through 2011, resuming a decline that began in 1991 but was briefly interrupted in 2006 and 2007. The overall rate declined 25% from 41.5 per 1,000 teenagers aged 15–19 in 2007 to 31.3 in 2011—a record low. The number of births to teenagers aged 15–19 also fell from 2007 to 2011, by 26% to 329,797 in 2011. Births to teenagers are at elevated risk of low birthweight, preterm birth, and of dying in infancy compared with infants born to women aged 20 and over (1–3), and they are associated with significant public costs, estimated at \$10.9 billion annually (4). Recent trends by state and race and Hispanic origin are illustrated using the most current available data from the National Vital Statistics System.

Keywords: teen childbearing • geographic differences and trends • National Vital Statistics System

Birth rates for teenagers fell for all race and Hispanic origin groups from 1991 through 2011 with much of the decline from 2007 through 2011.

Figure 1. Birth rates for teenagers aged 15–19, by race and Hispanic origin: United States, 1991, 2007, and 2011.



SOURCE: CDC/NCHS, National Vital Statistics System.



National and State Patterns of Teen Births in the United States, 1940–2013

by Stephanie J. Ventura, M.A.; Brady E. Hamilton, Ph.D.; and T.J. Mathews, M.S., Division of Vital Statistics

Abstract

Objectives—This report presents trends from 1940 through 2013 in national birth rates for teenagers, with particular focus on the period since 1991. The percent changes in rates for 1991–2012 and for 2007–2012 are presented for the United States and for states. Preliminary data for 2013 are shown where available.

Methods—Tabular and graphical descriptions of the trends in teen birth rates for the United States and each state, by age group, race, and Hispanic origin, are presented and discussed. Data are shown for the U.S. territories.

Results—Birth rates for U.S. teenagers have generally fallen in the United States since peaking in 1957. The rate fell 57% between 1991 and 2013. The 2013 preliminary rate (26.6 per 1,000 aged 15–19) is



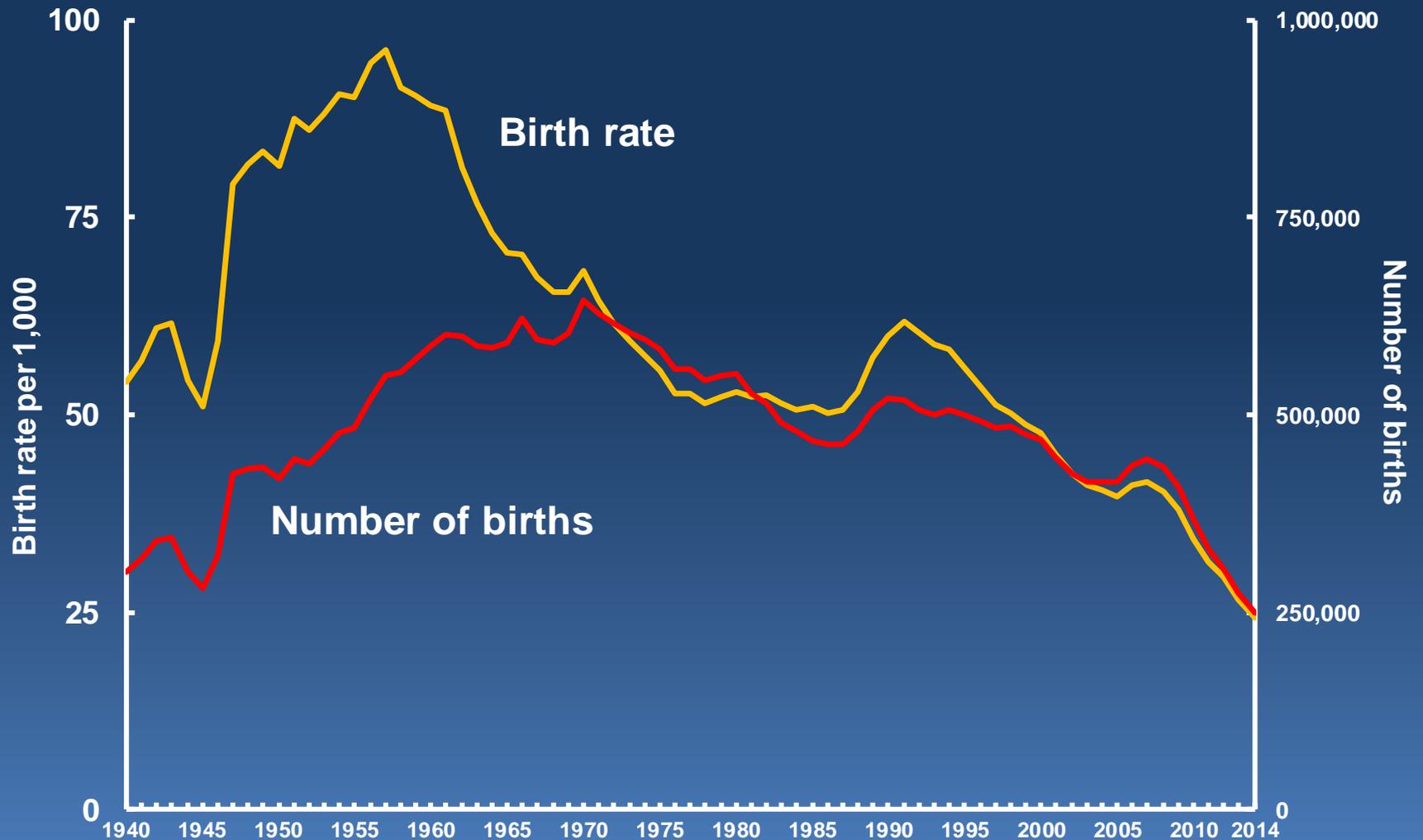
NOTE: Data for 2013 are preliminary.
SOURCE: CDC/NCHS, National Vital Statistics System.

Figure 1. Number of births and birth rates for teenagers aged 15–19: United States, 1940–2013



National Patterns

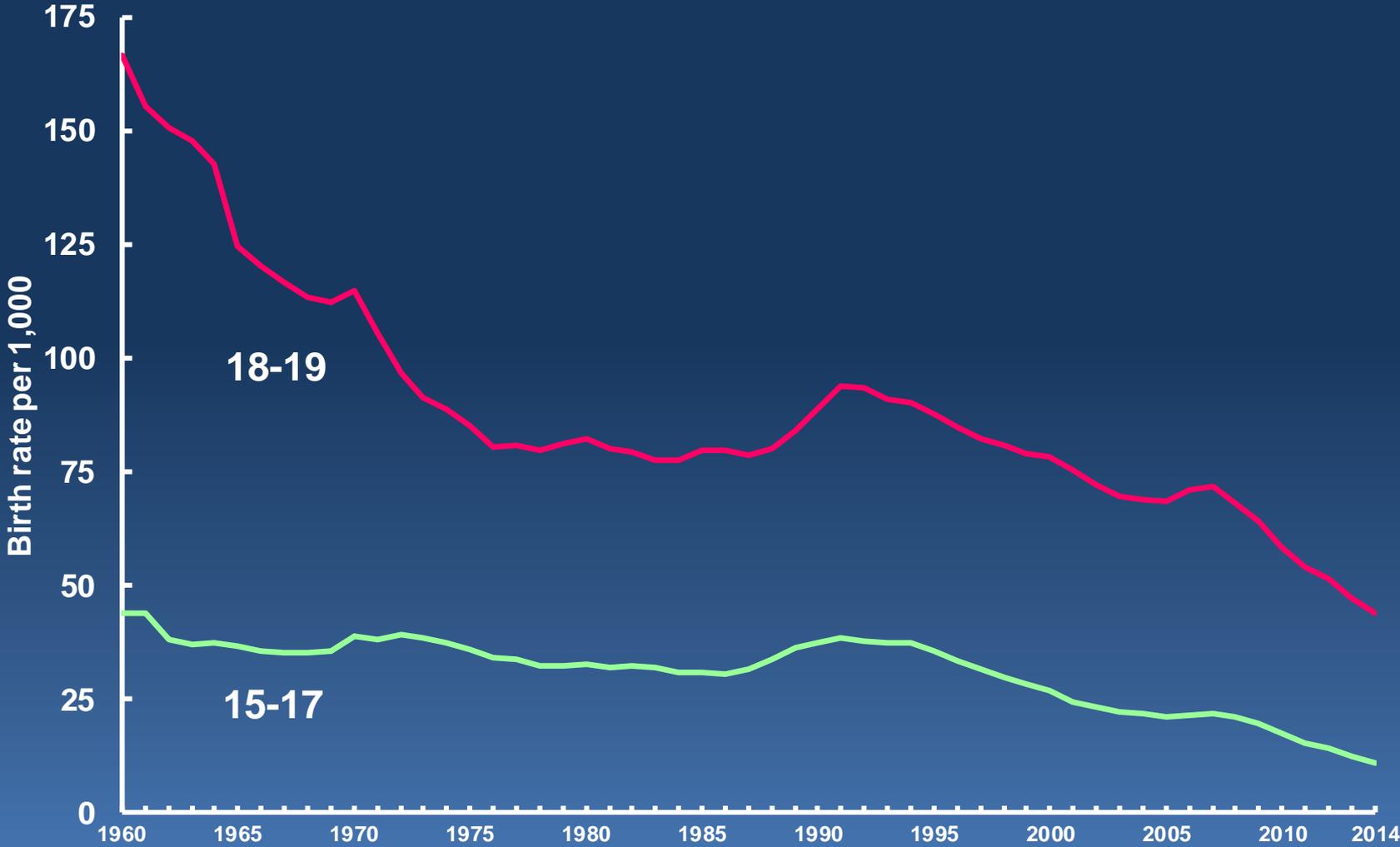
Number of births and birth rates for teenagers 15-19 years: United States, 1940-2014



NOTE: Data for 2014 are preliminary.

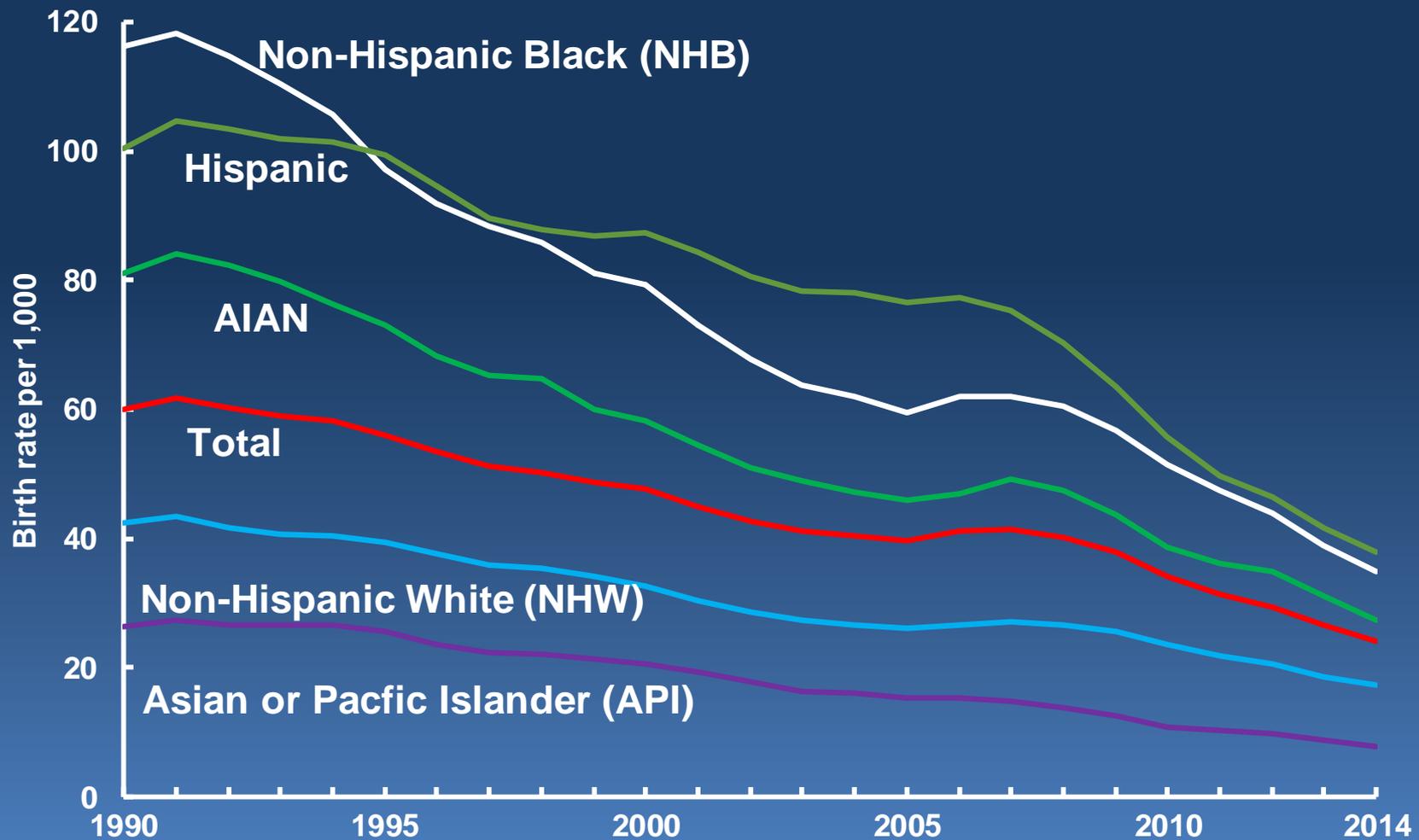
SOURCE: National Vital Statistics System, NCHS, CDC.

Birth rates for teenagers 15-17 and 18-19 years: United States, 1960-2014



NOTE: Data for 2014 are preliminary.
SOURCE: National Vital Statistics System, NCHS, CDC.

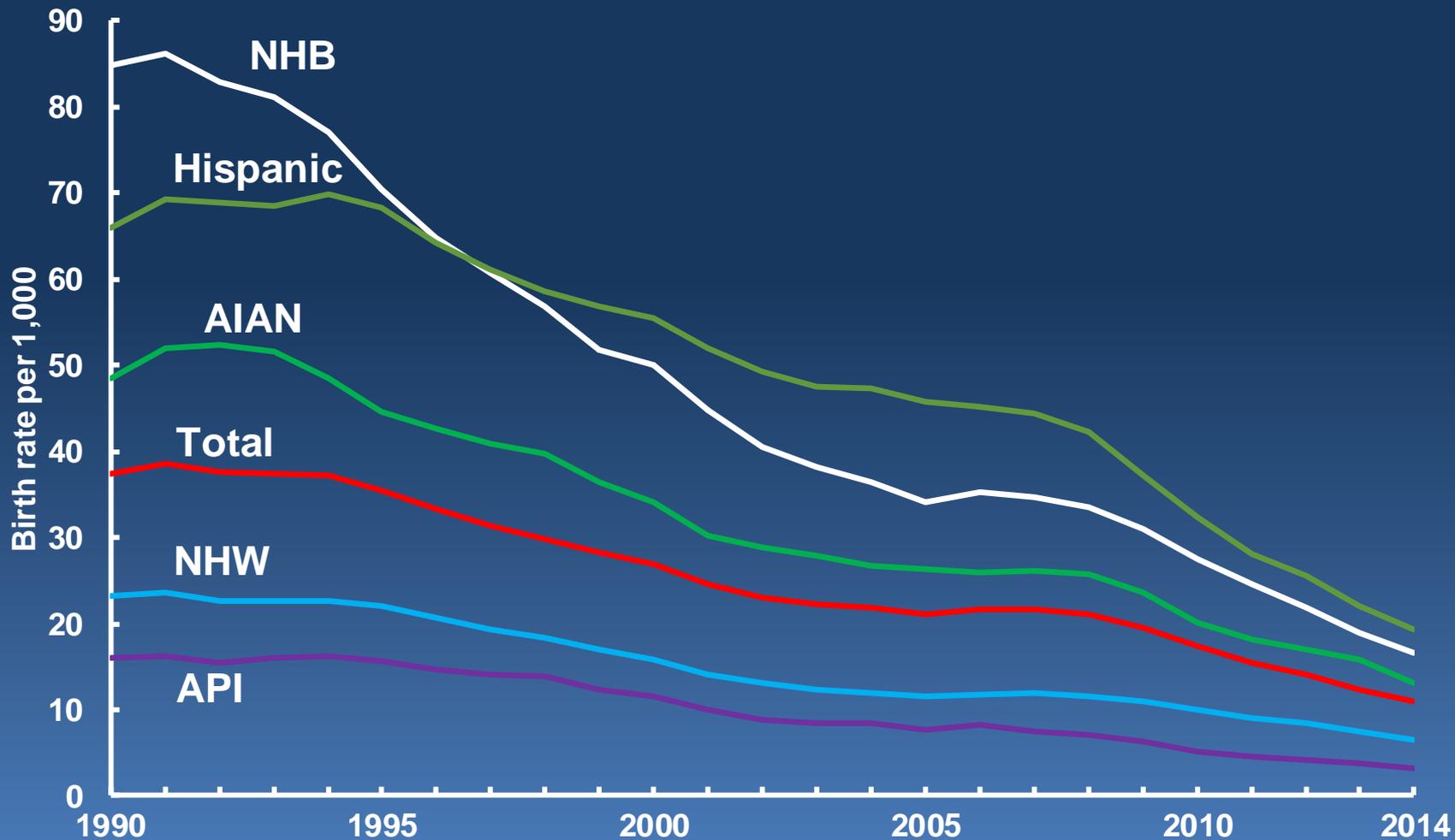
Birth rates for teenagers 15-19 years by race and Hispanic origin: United States, 1990-2014



NOTE: Data for 2014 are preliminary.

SOURCE: National Vital Statistics System, NCHS, CDC.

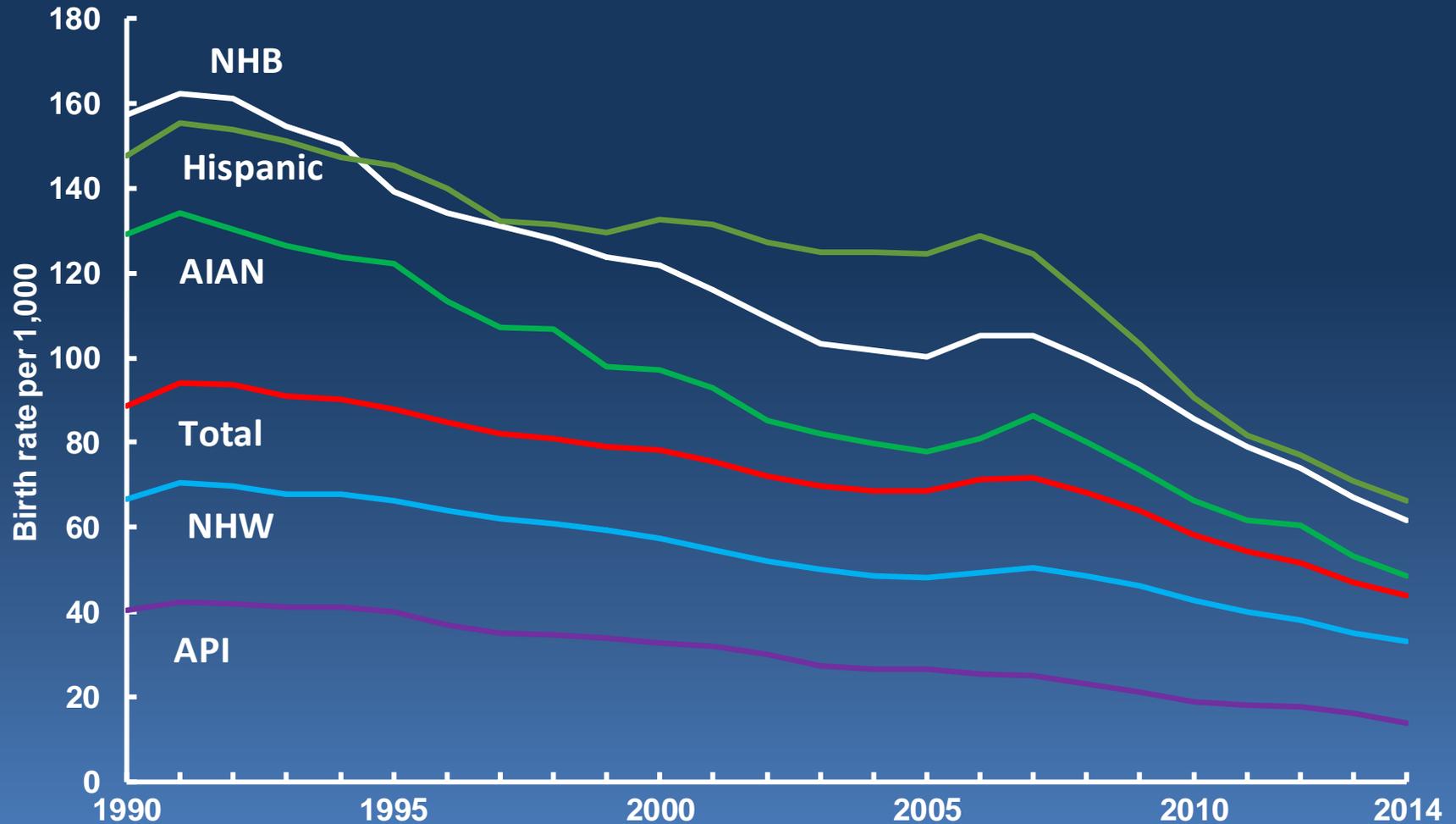
Birth rates for teenagers 15-17 years by race and Hispanic origin: United States, 1990-2014



NOTE: Data for 2014 are preliminary.

SOURCE: National Vital Statistics System, NCHS, CDC.

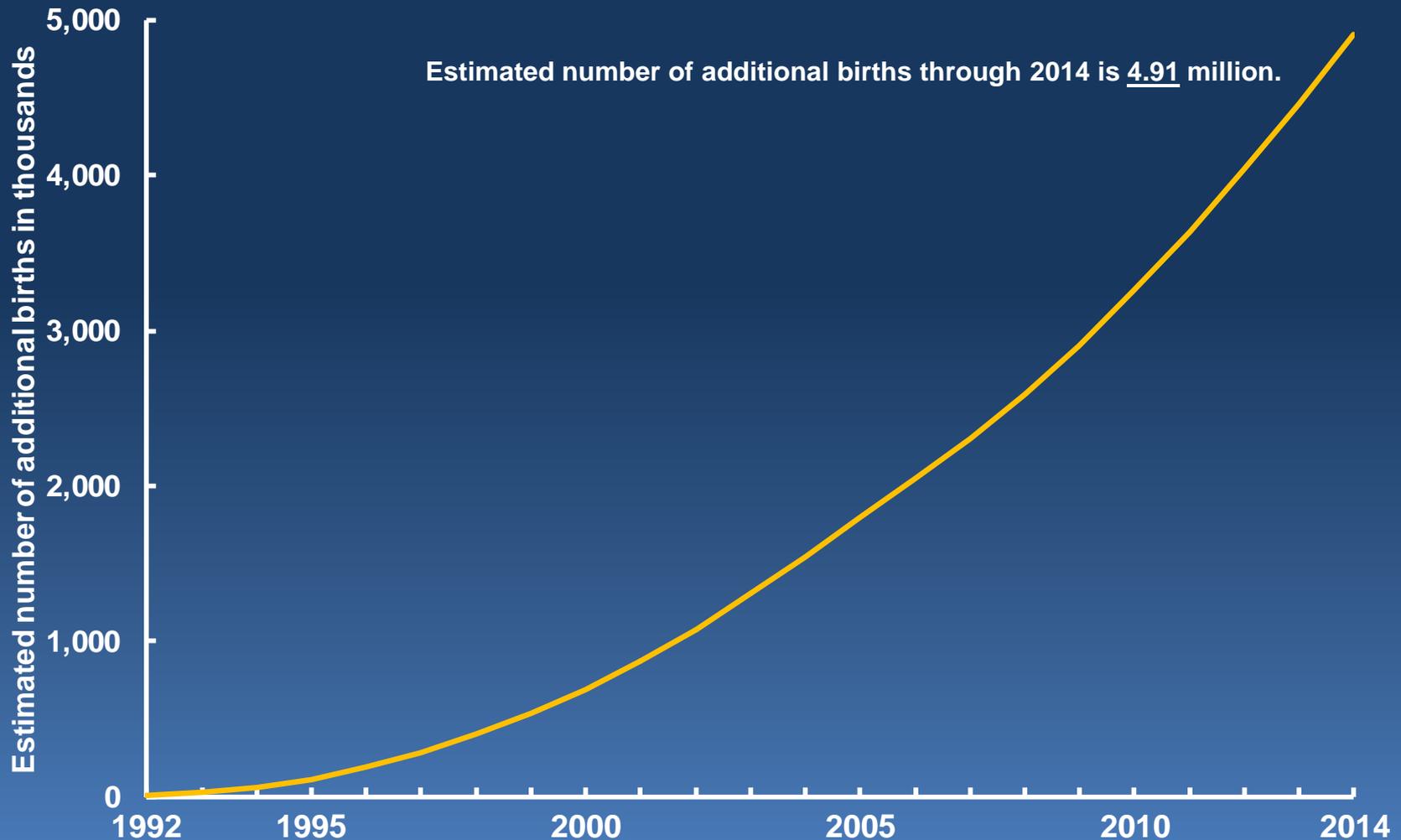
Birth rates for teenagers 18-19 years by race and Hispanic origin: United States, 1990-2014



NOTE: Data for 2014 are preliminary.

SOURCE: National Vital Statistics System, NCHS, CDC.

Estimated cumulative number of additional births to women aged 15–19 from 1992 through 2014 for the United States if 1991 birth rates had continued

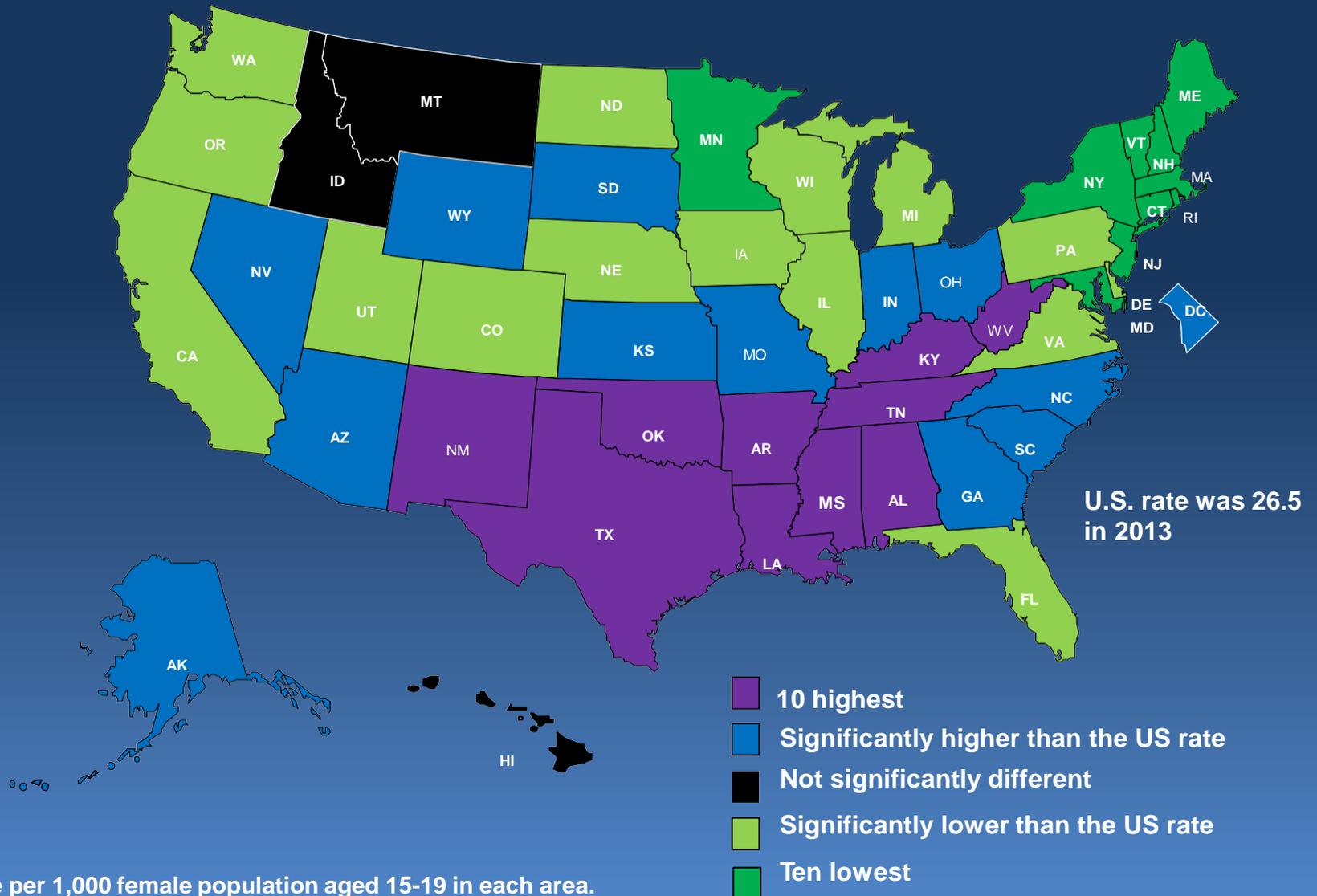


NOTE: Data for 2014 are preliminary.

SOURCE: National Vital Statistics System, NCHS, CDC.

State Patterns

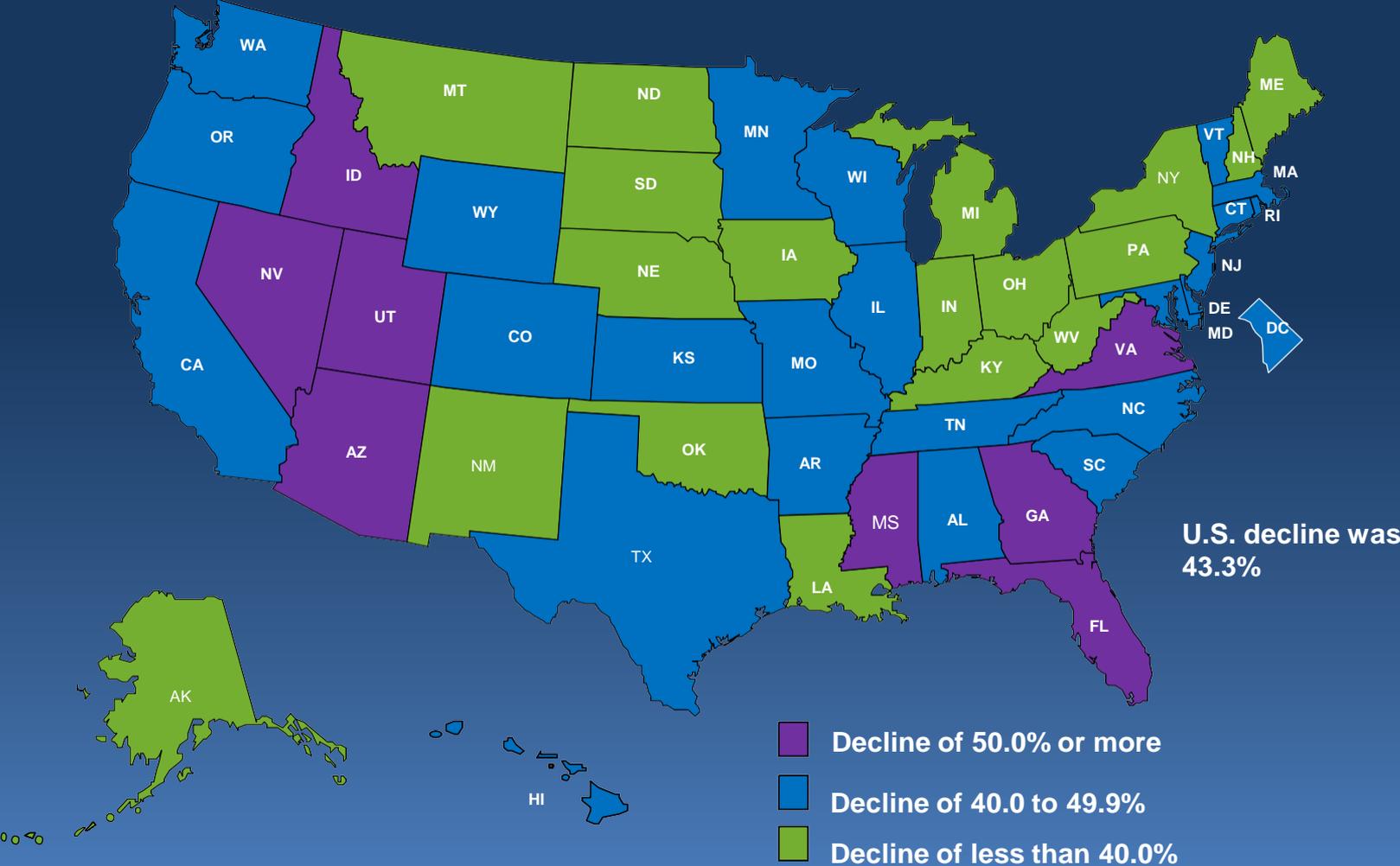
Teenage birth rates for women aged 15-19, by state: United States, 2013



NOTE: Rate per 1,000 female population aged 15-19 in each area.

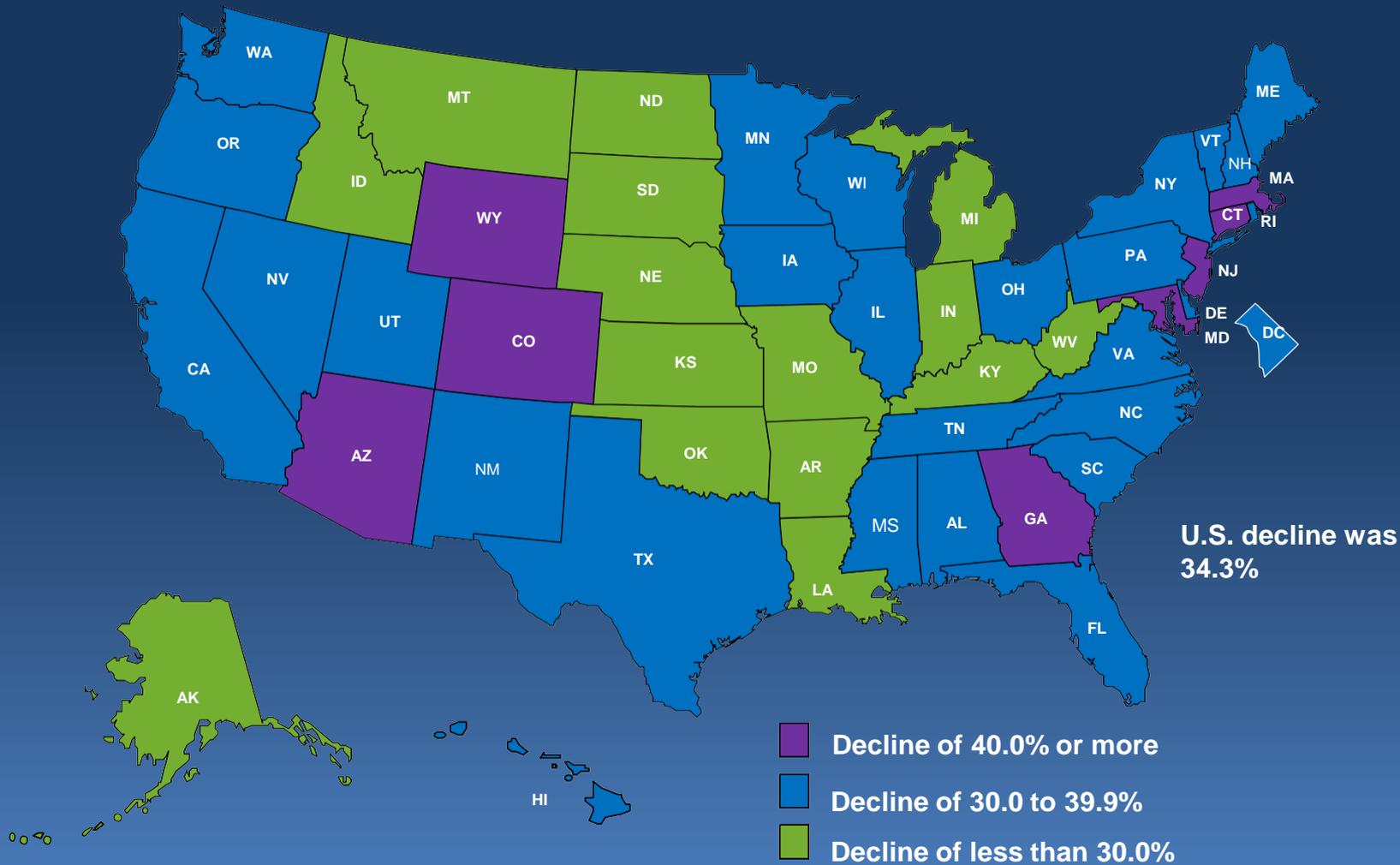
SOURCE: National Vital Statistics System, NCHS, CDC.

Change in the birth rate for women aged 15-17, by state: United States, 2007 to 2013

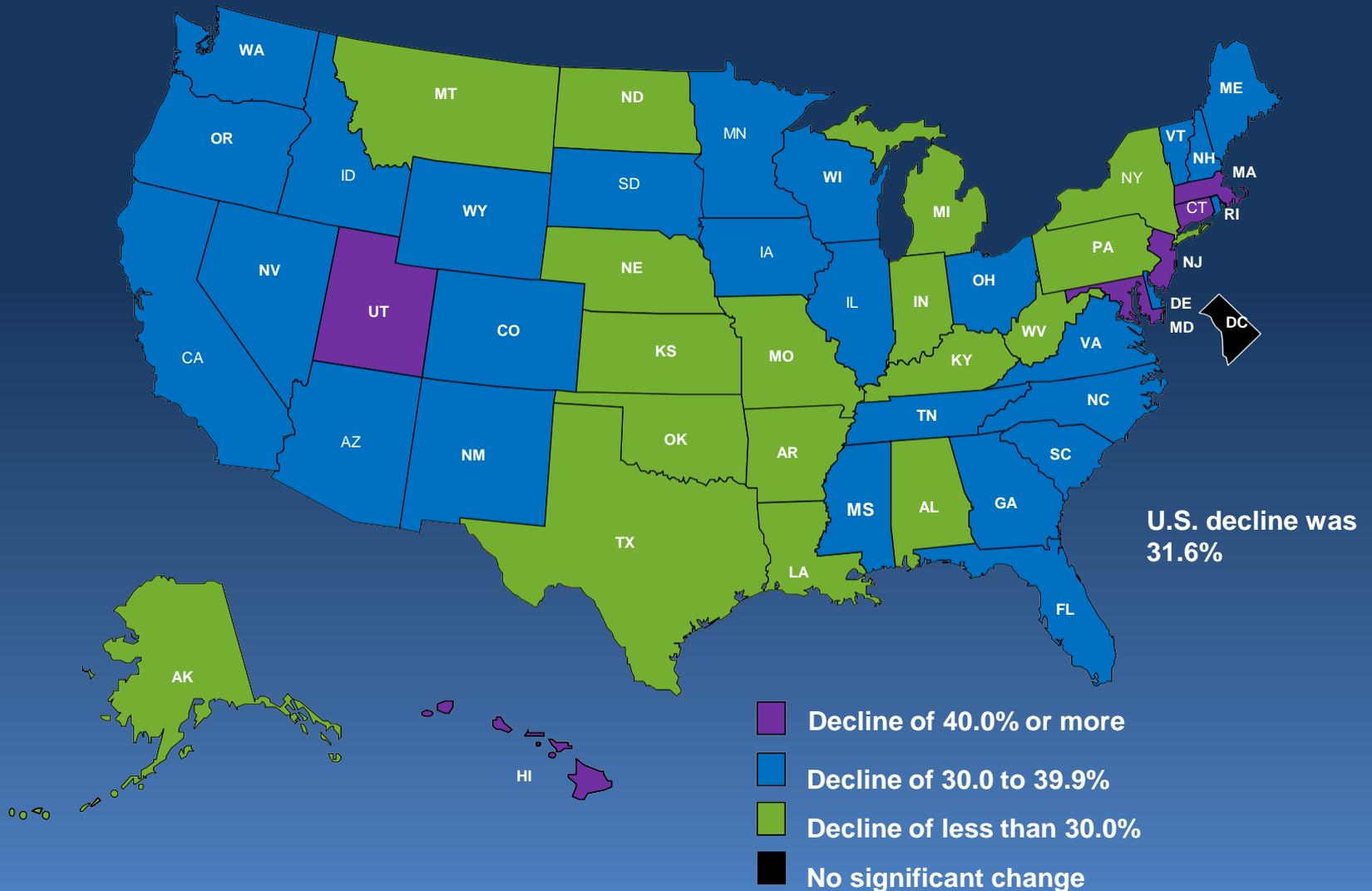


SOURCE: National Vital Statistics System, NCHS, CDC.

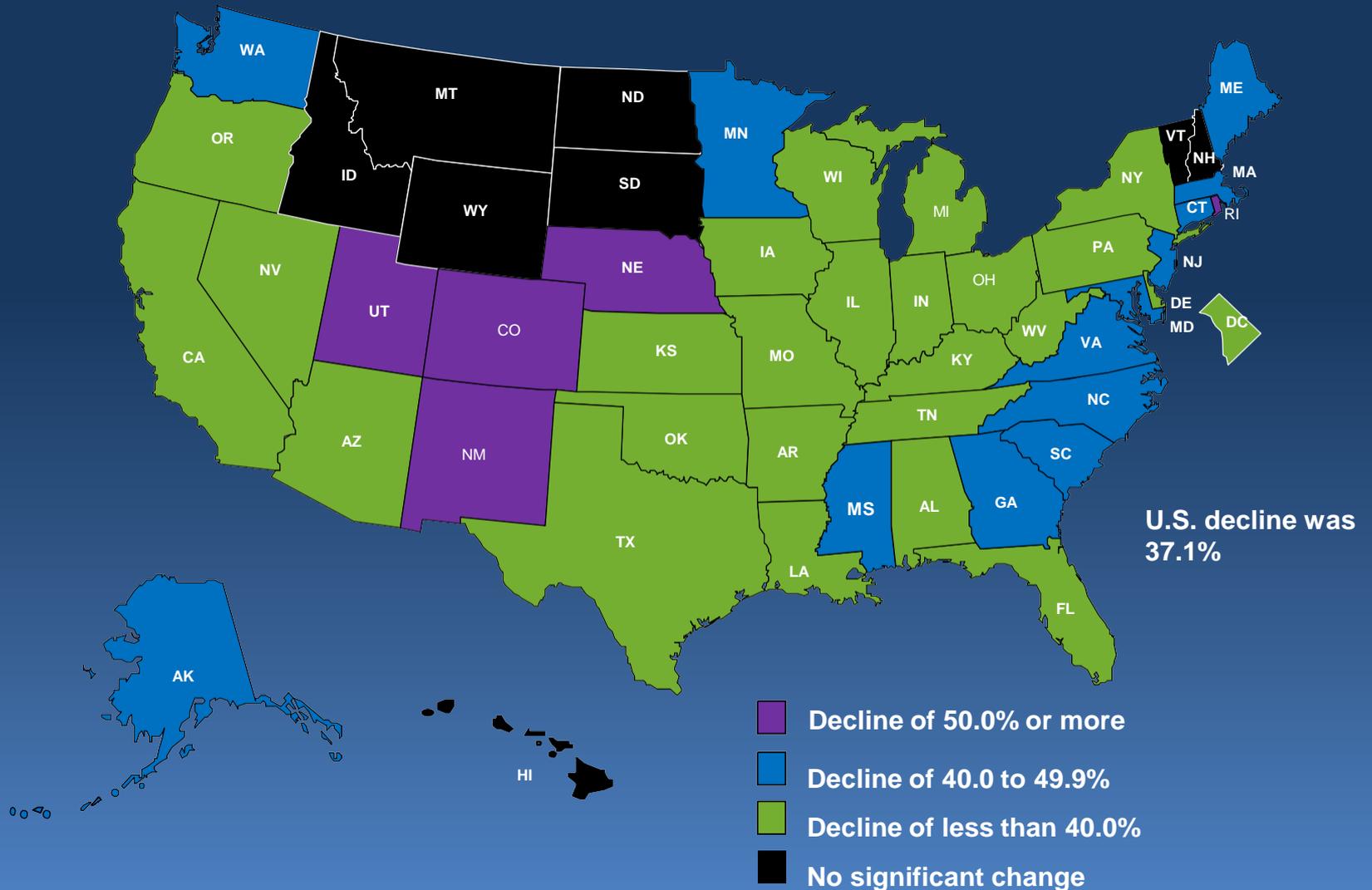
Change in the birth rate for women aged 18-19, by state: United States, 2007 to 2013



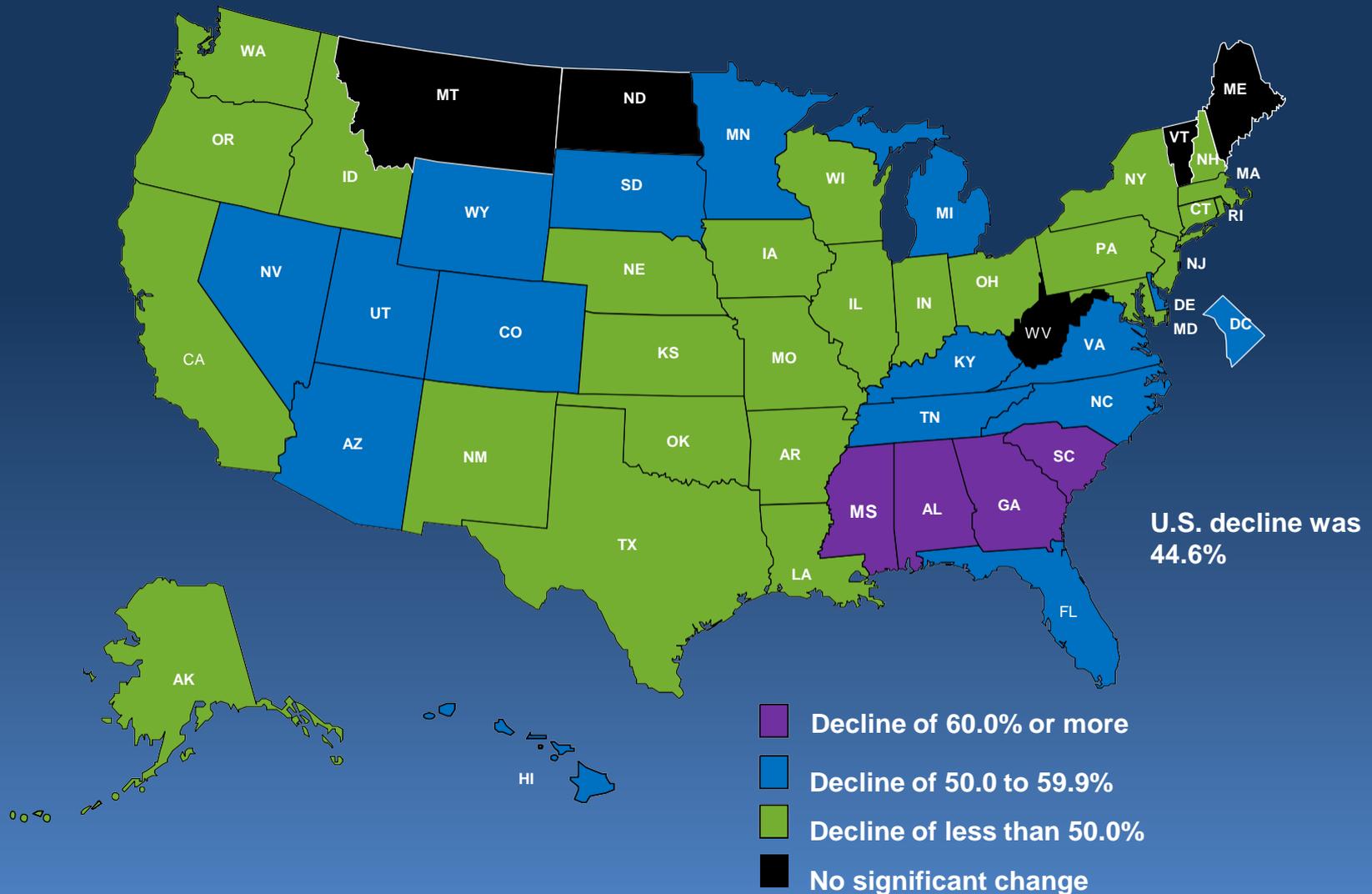
Change in the birth rate for non-Hispanic white women aged 15-19, by state: United States, 2007 to 2013



Change in the birth rate for non-Hispanic black women aged 15-19, by state: United States, 2007 to 2013



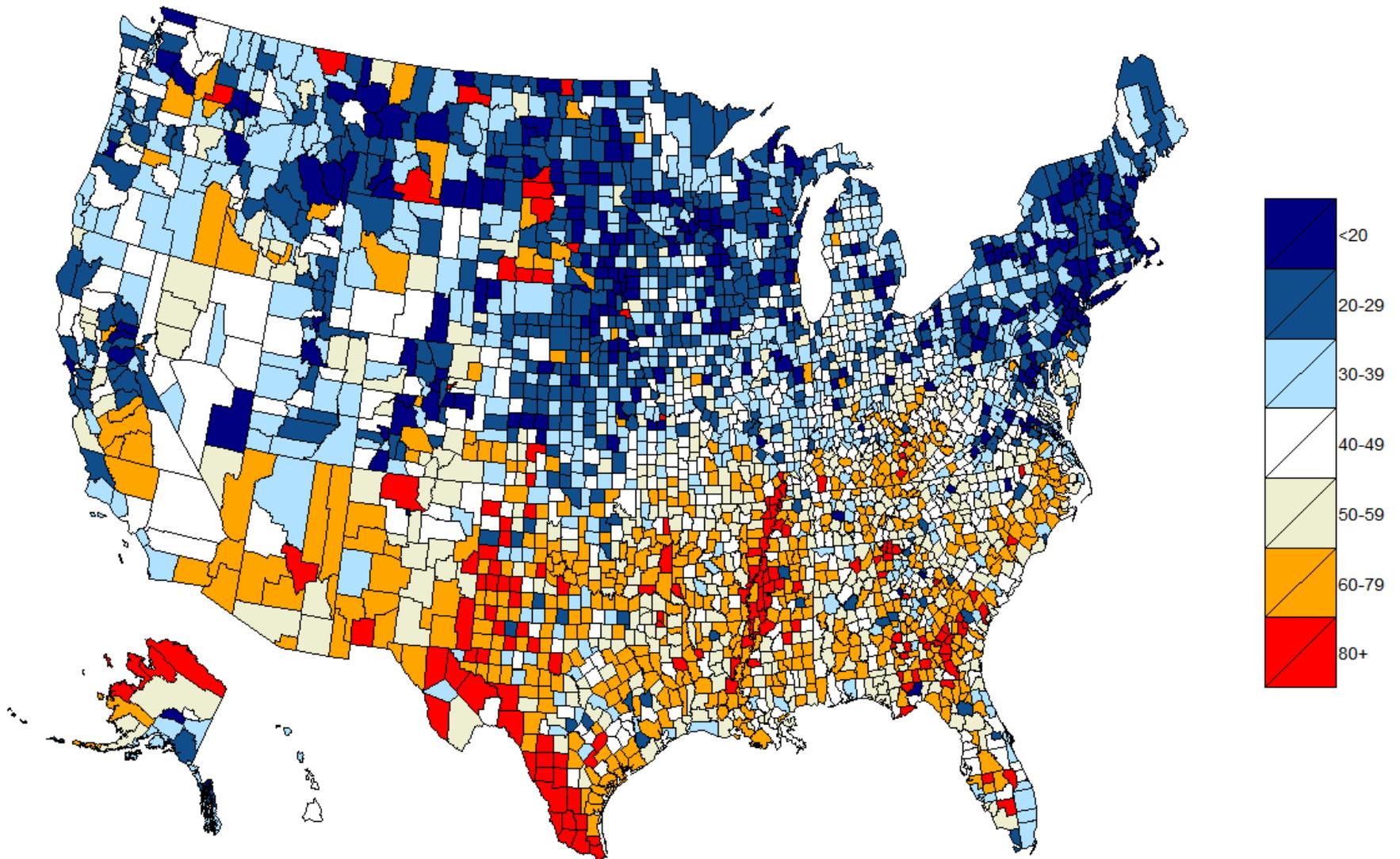
Change in the birth rate for Hispanic women aged 15-19, by state: United States, 2007 to 2013



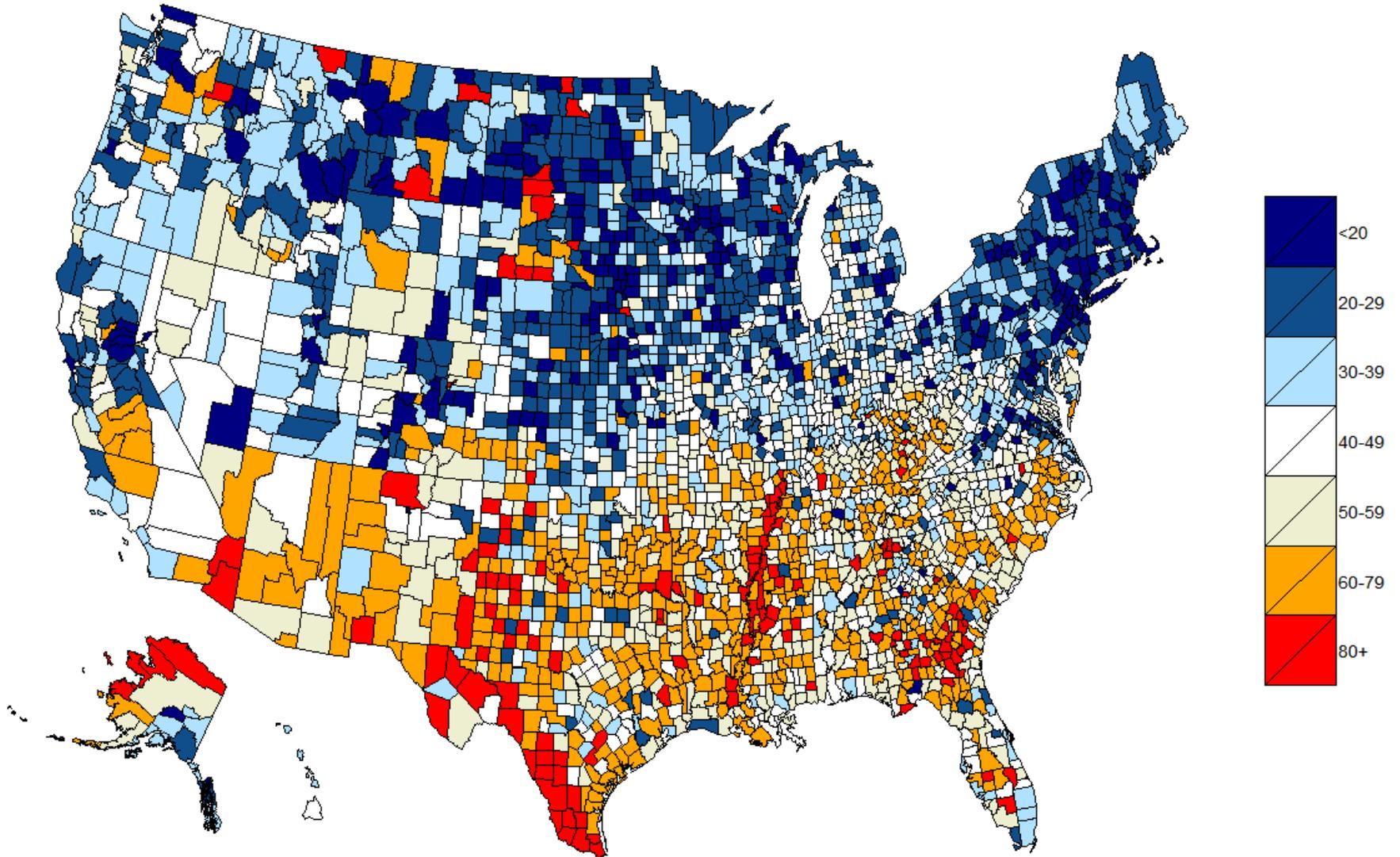
County Patterns

**Estimated birth rate of women
aged 15-19, by county: United
States, 2003-2012**

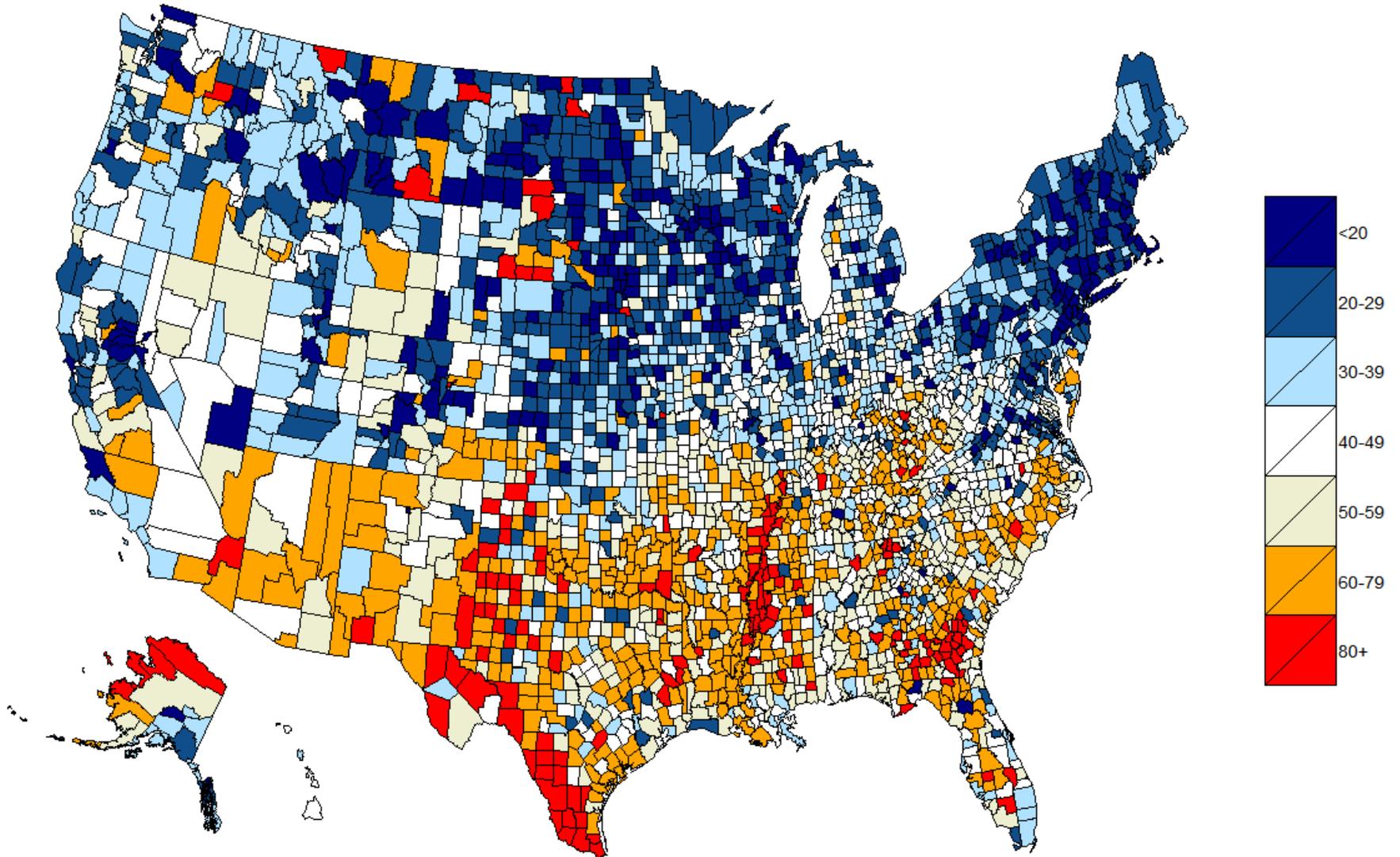
2003



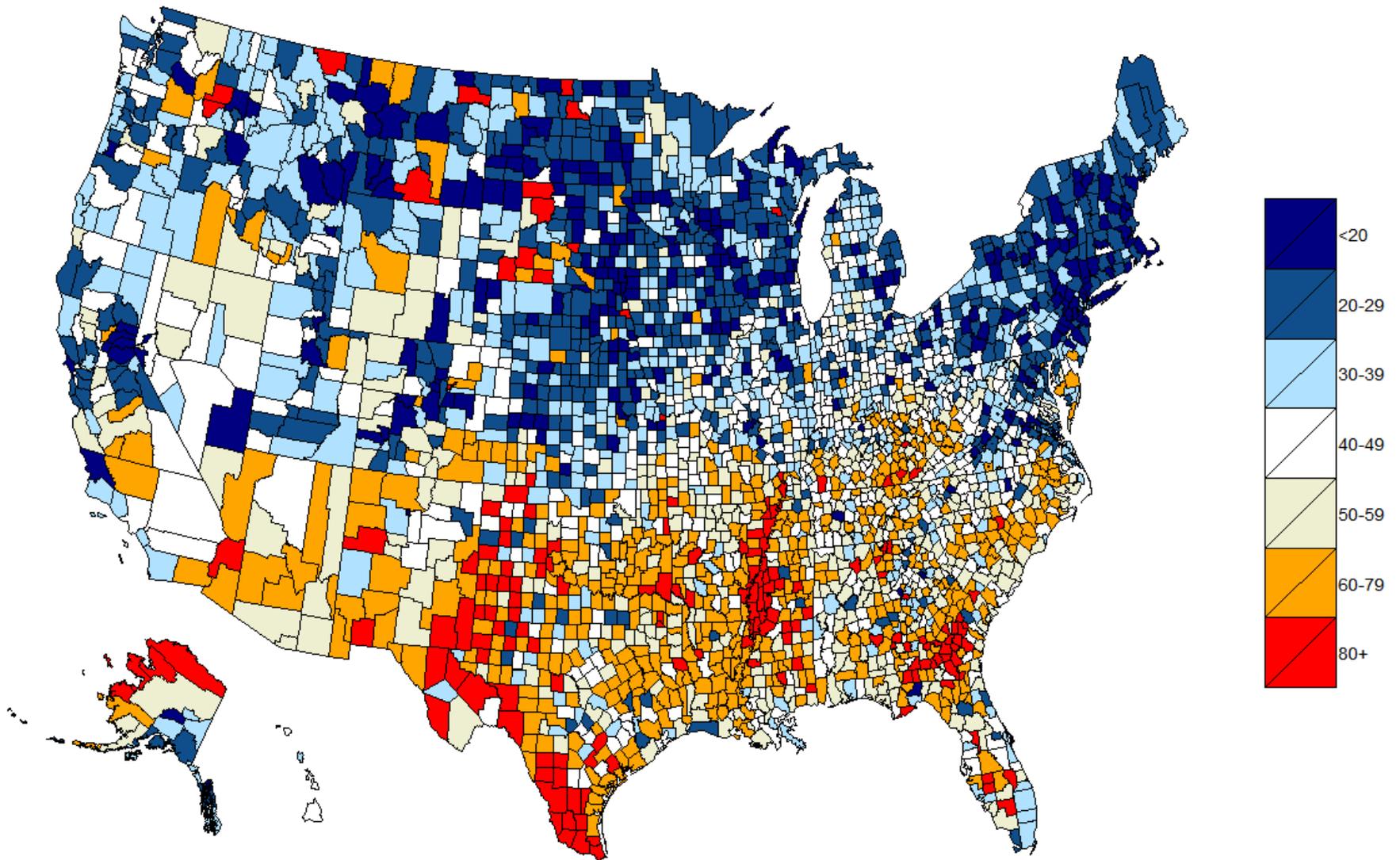
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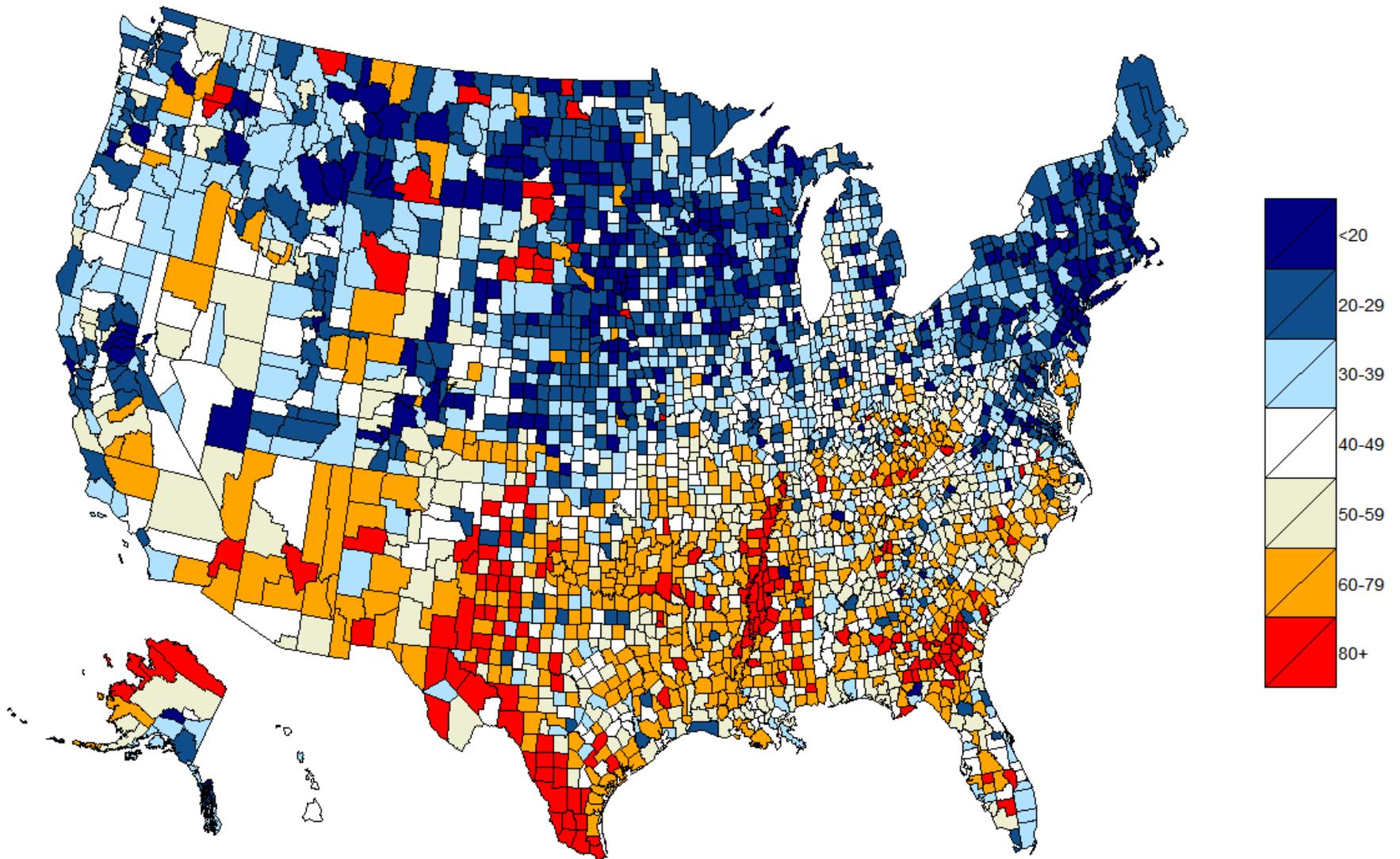
2005



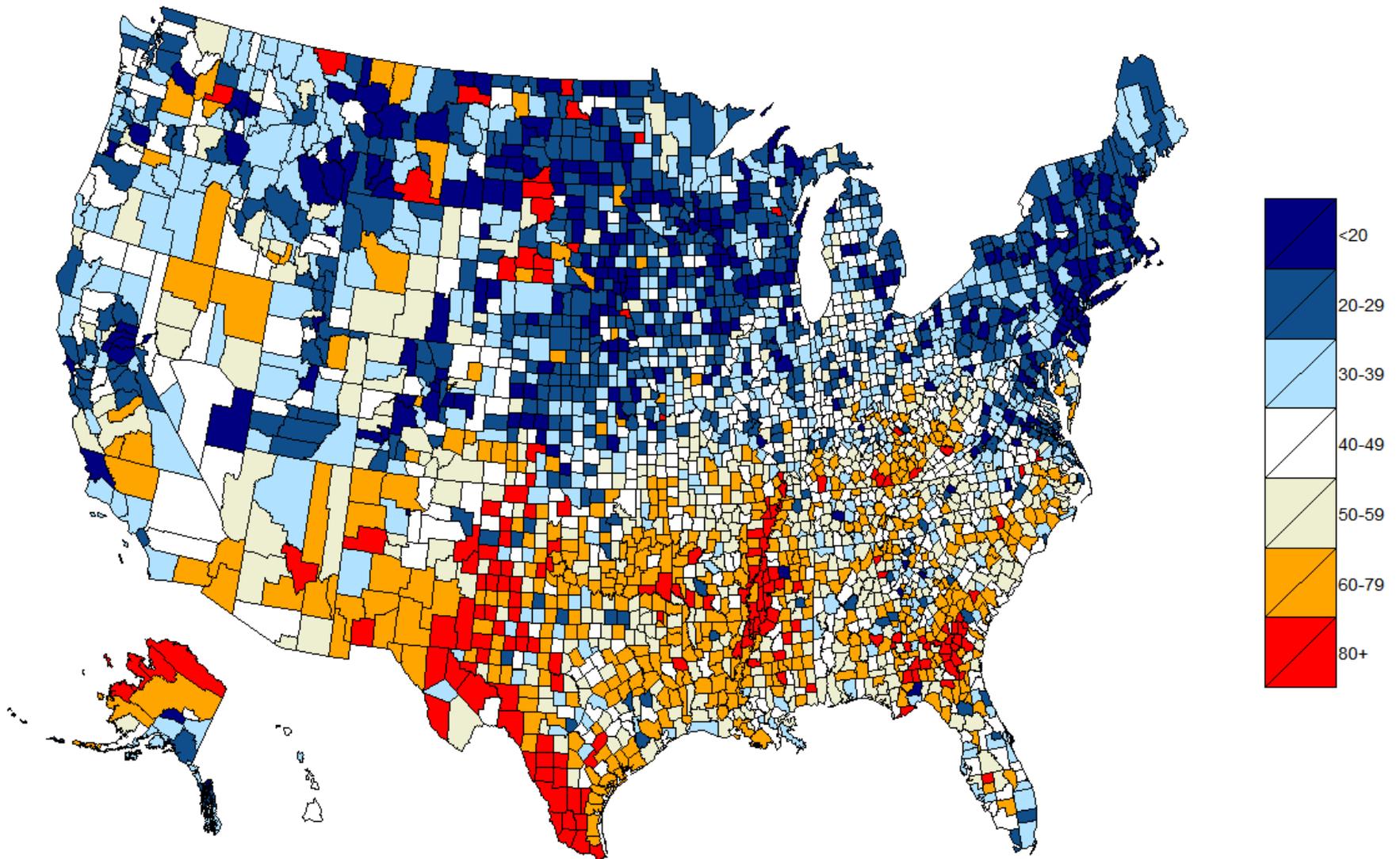
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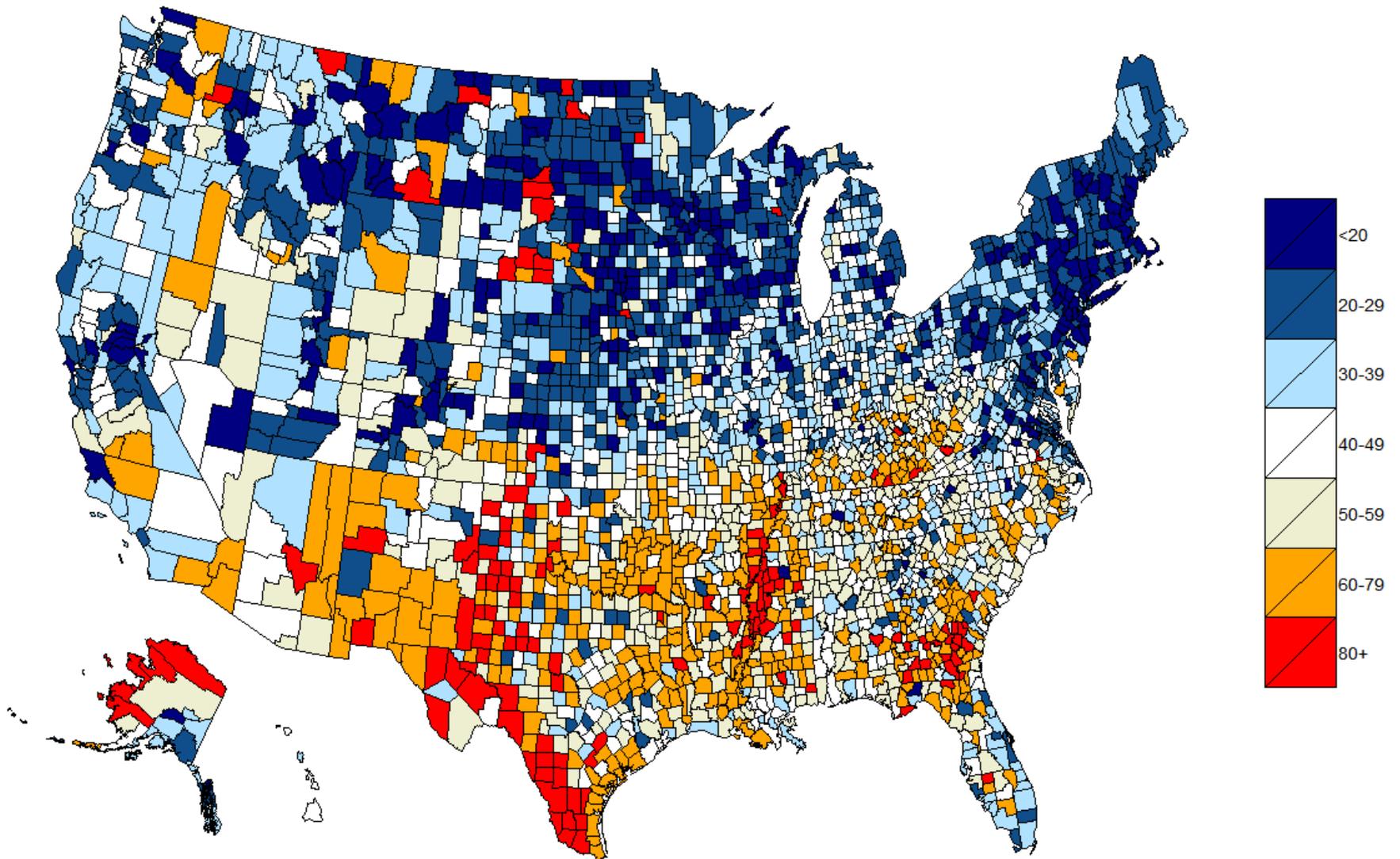
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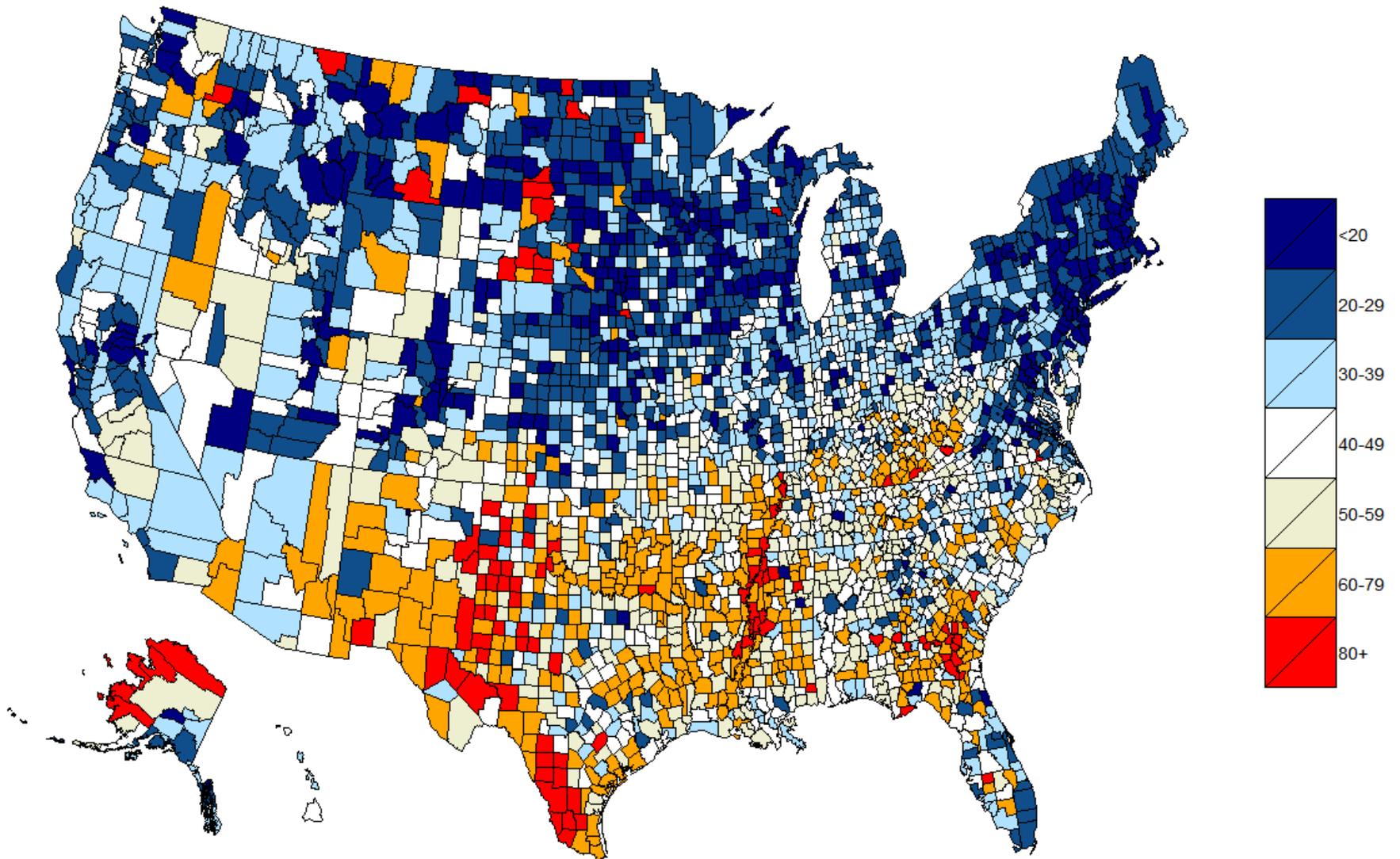
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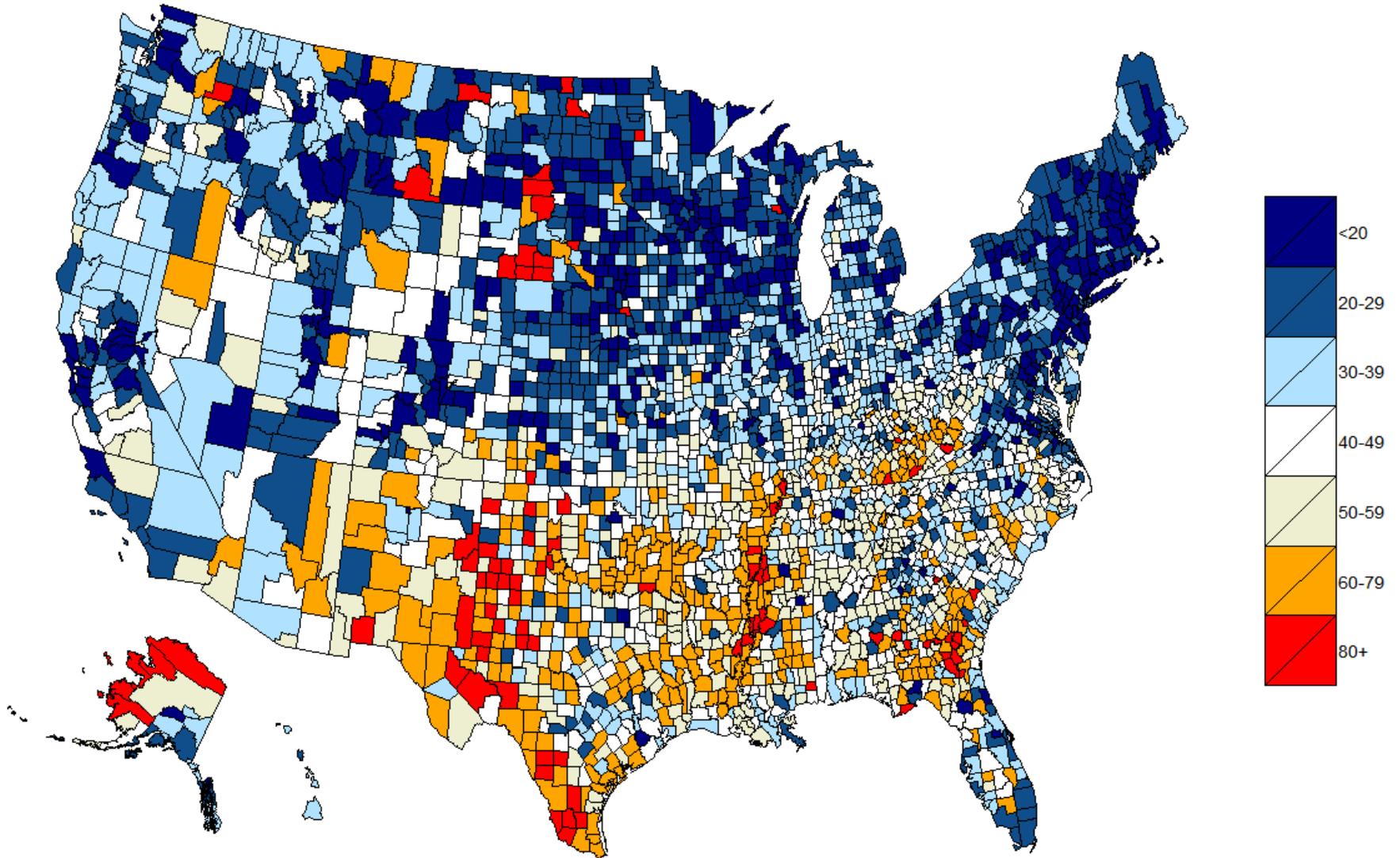
2009



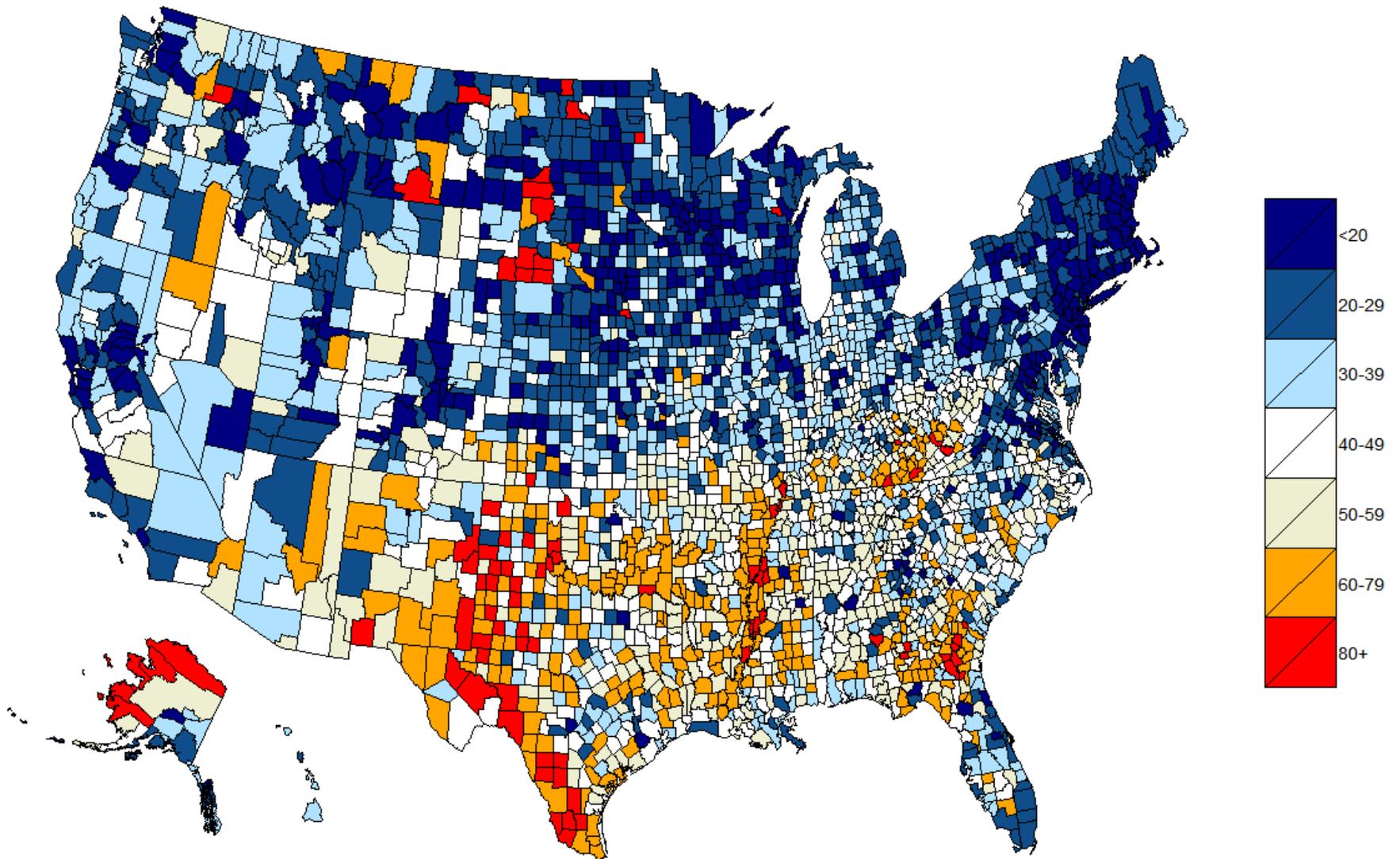
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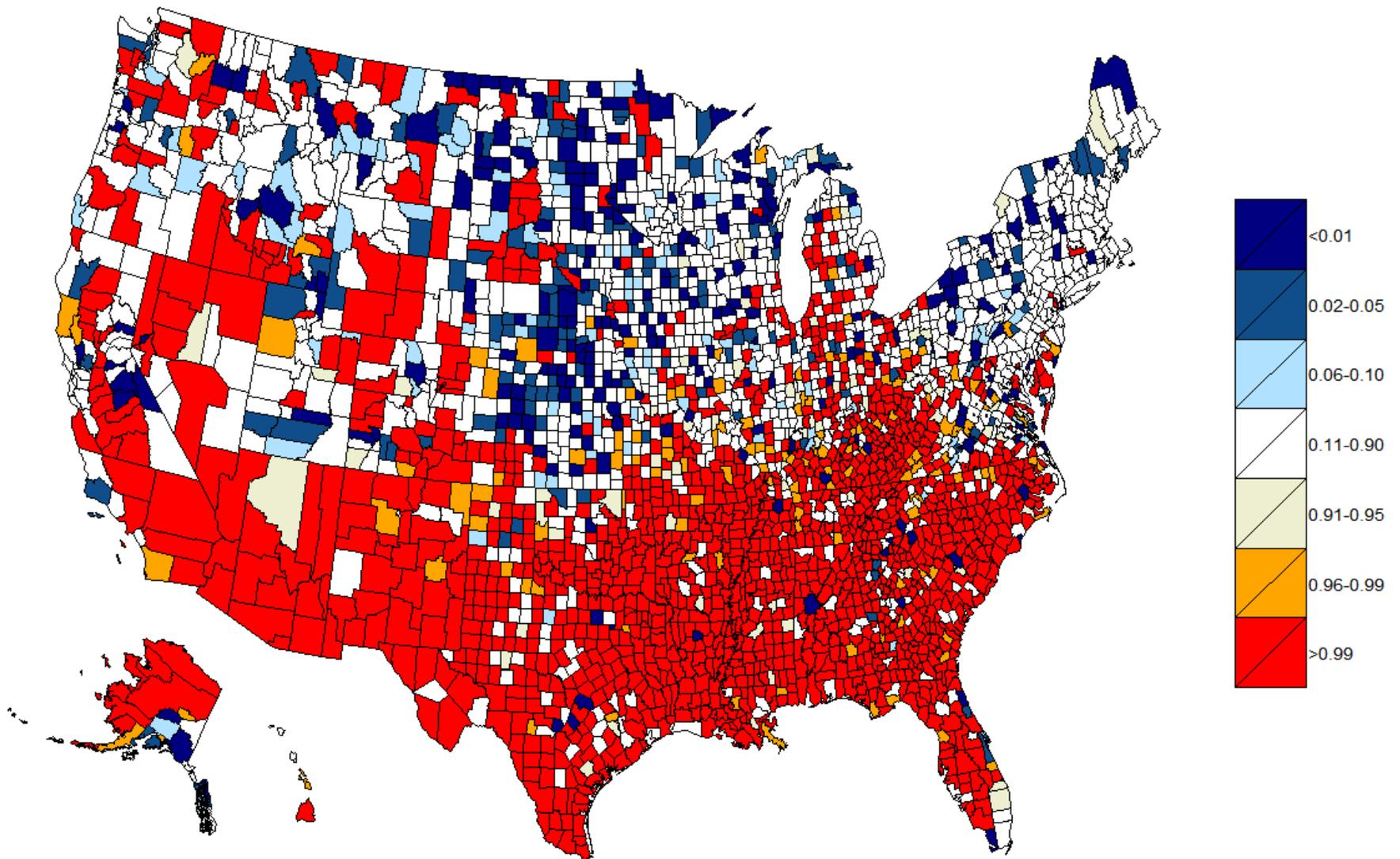


2012

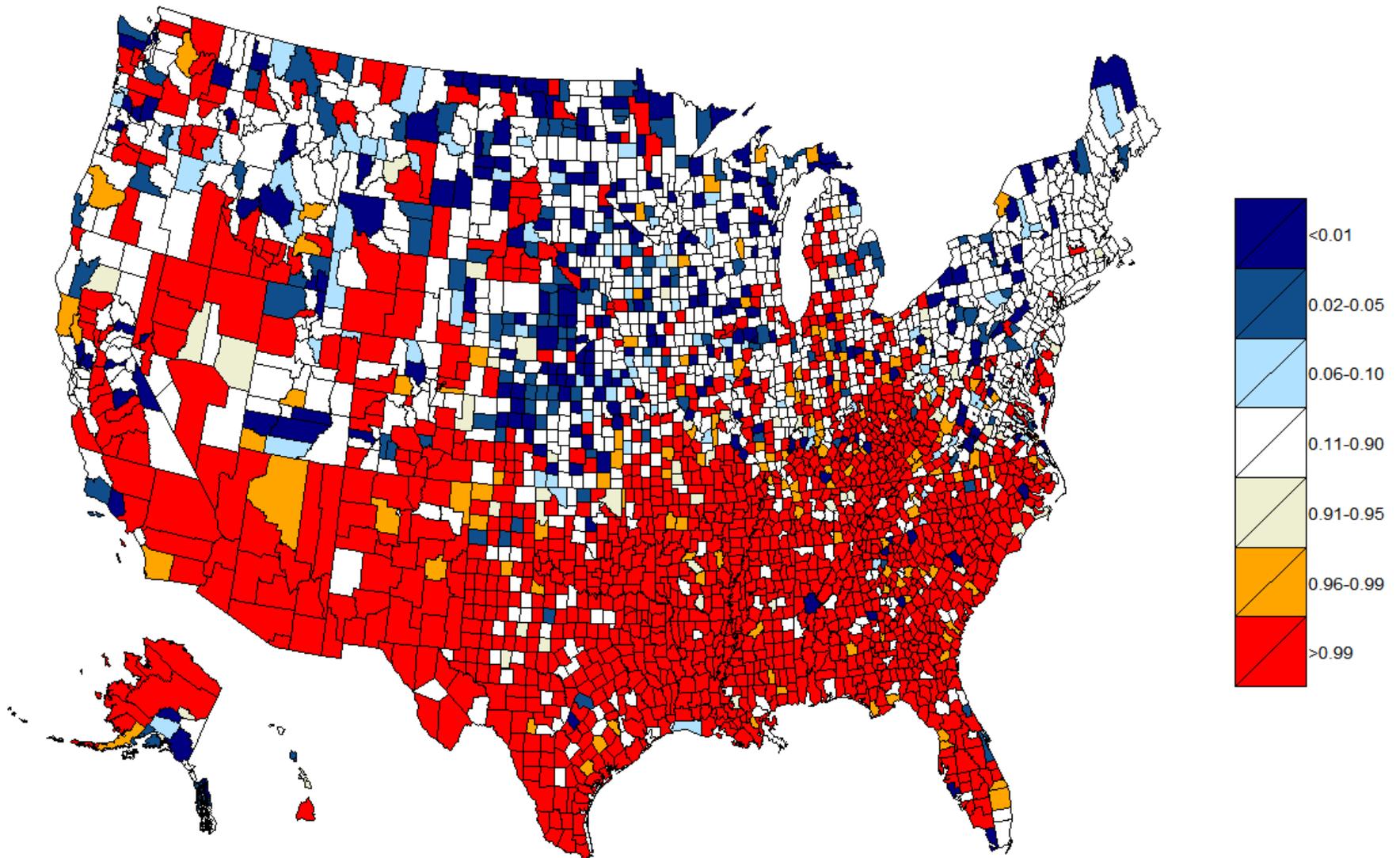


**Probability of birth rate of
women aged 15-19 being greater
than 36 birth per 1,000 women,
by county: United States, 2003-
2012**

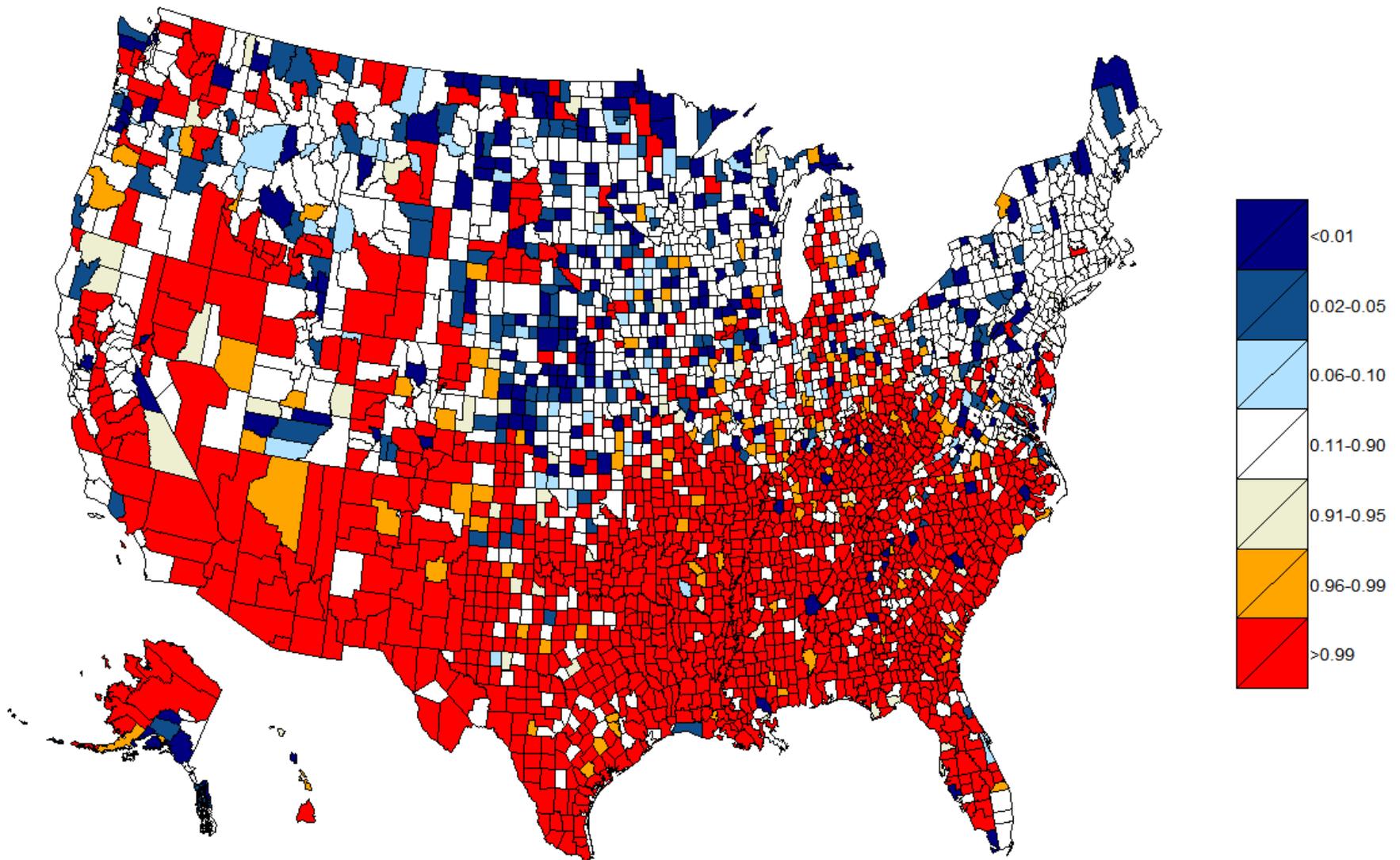
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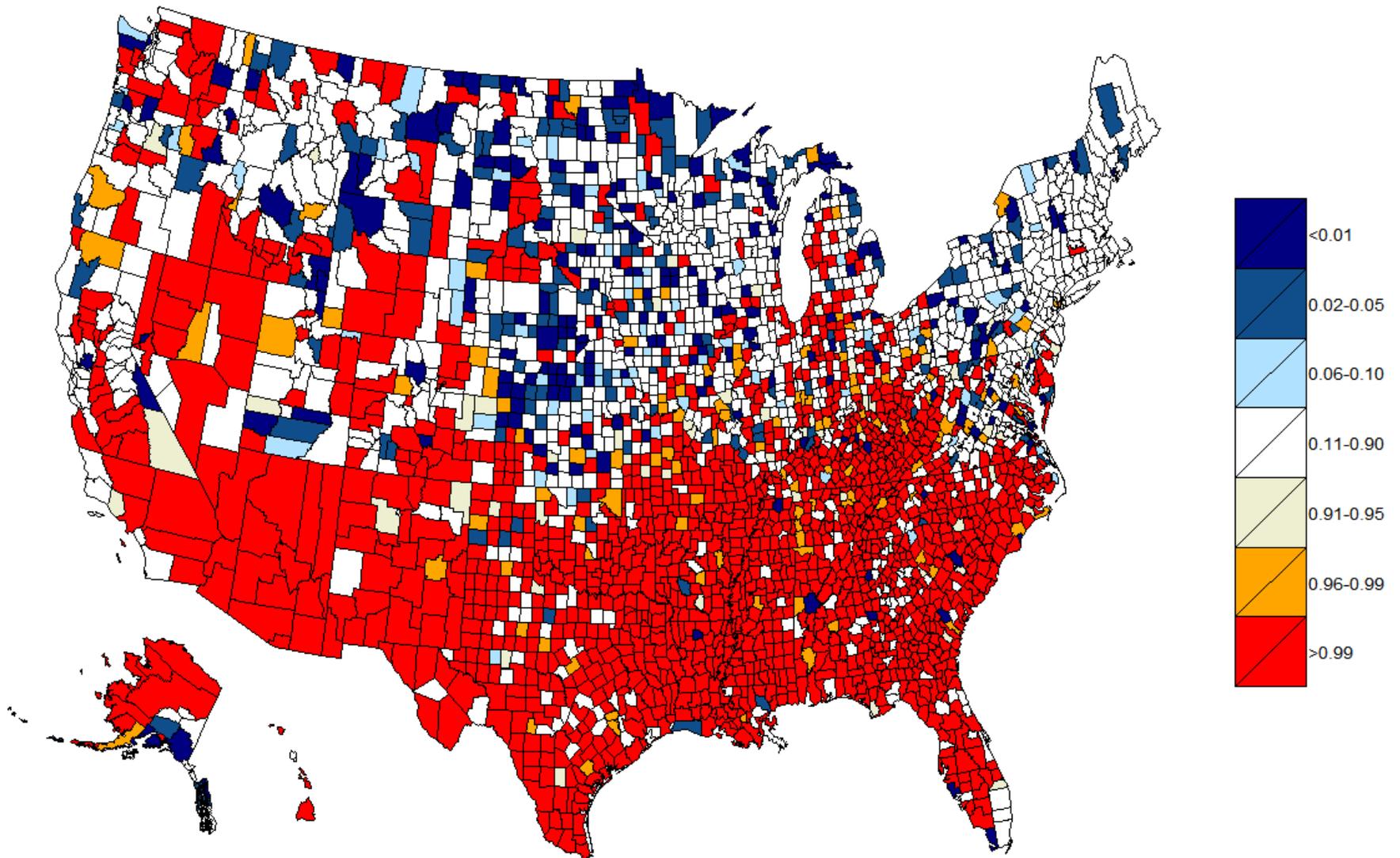
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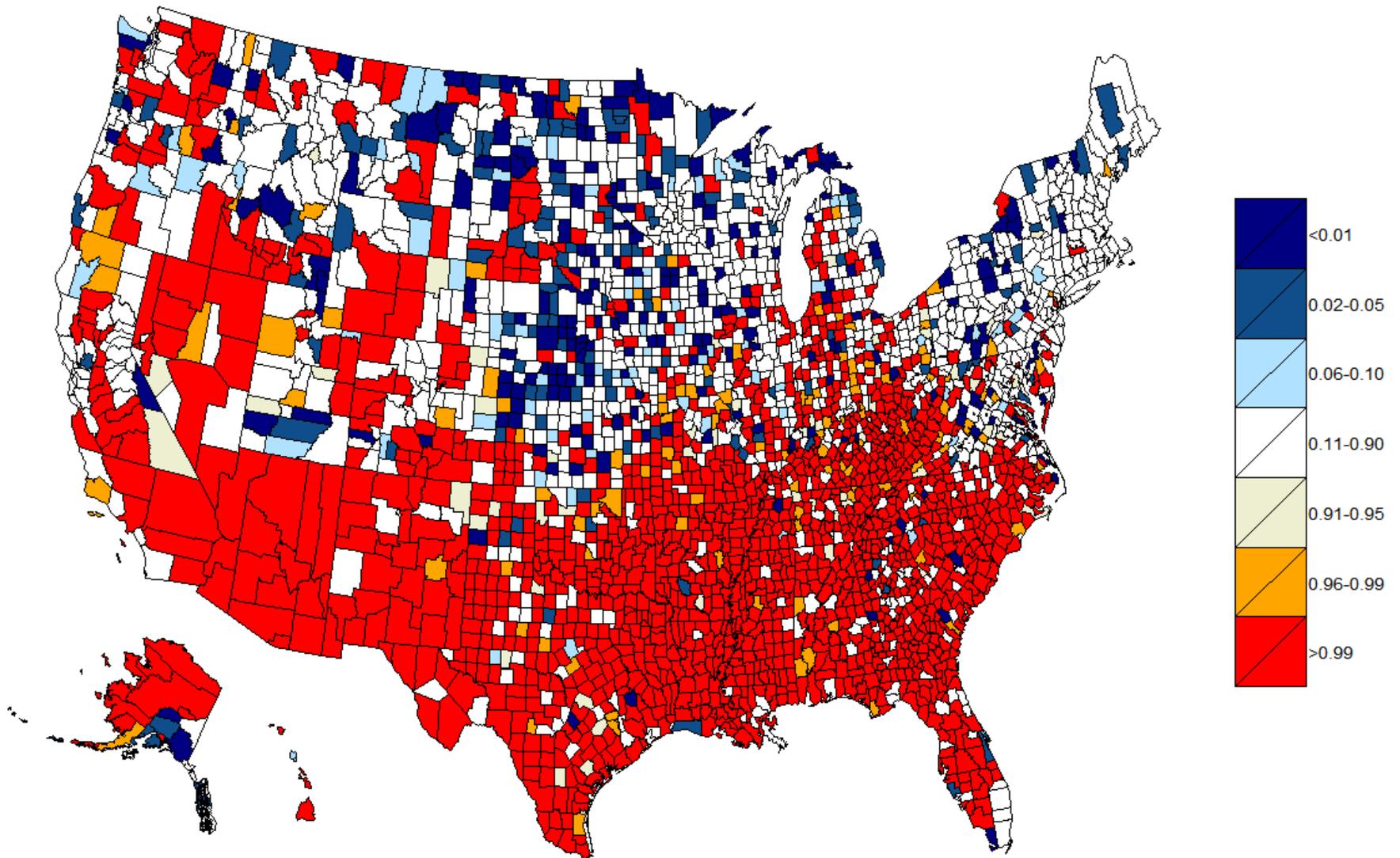
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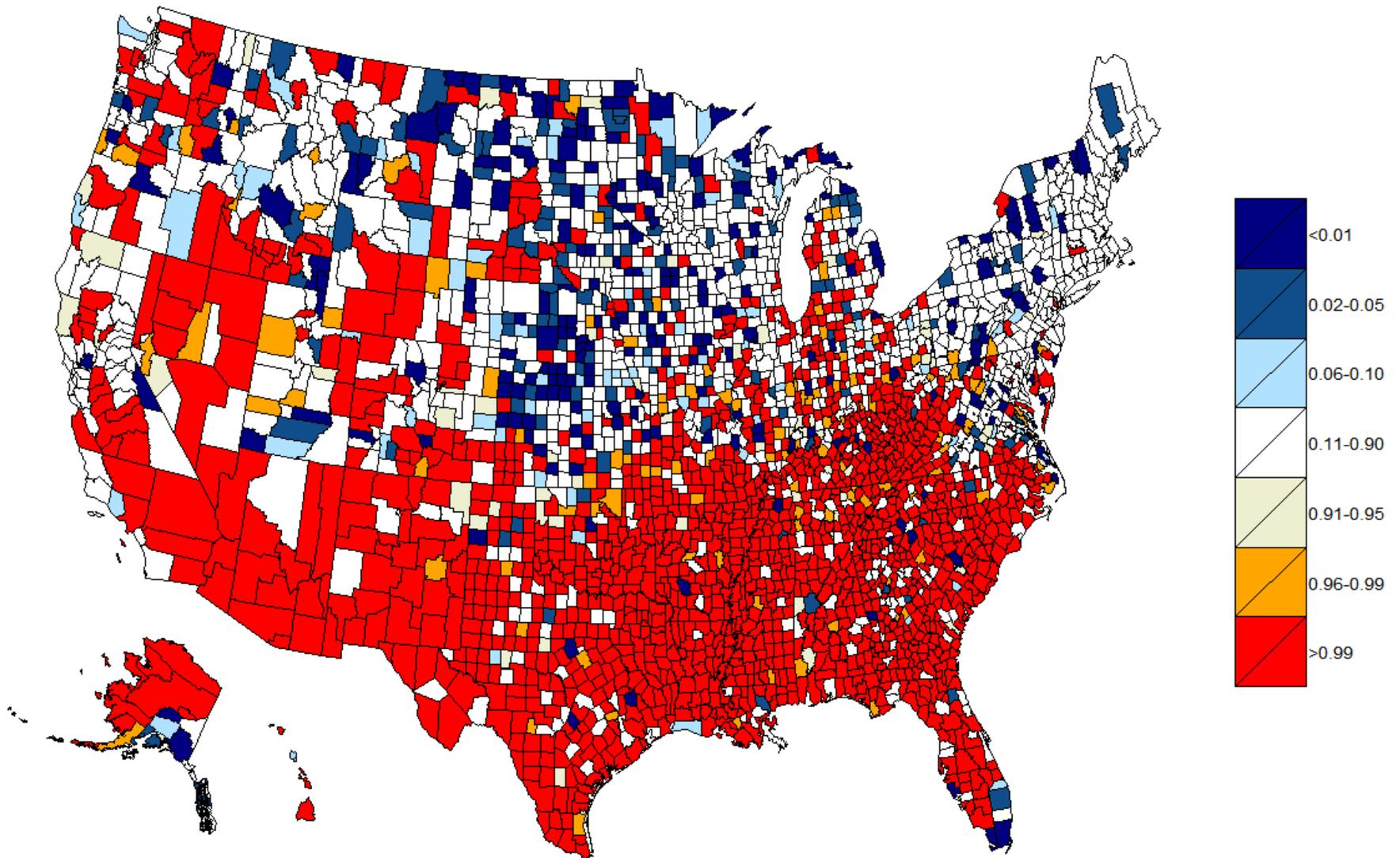
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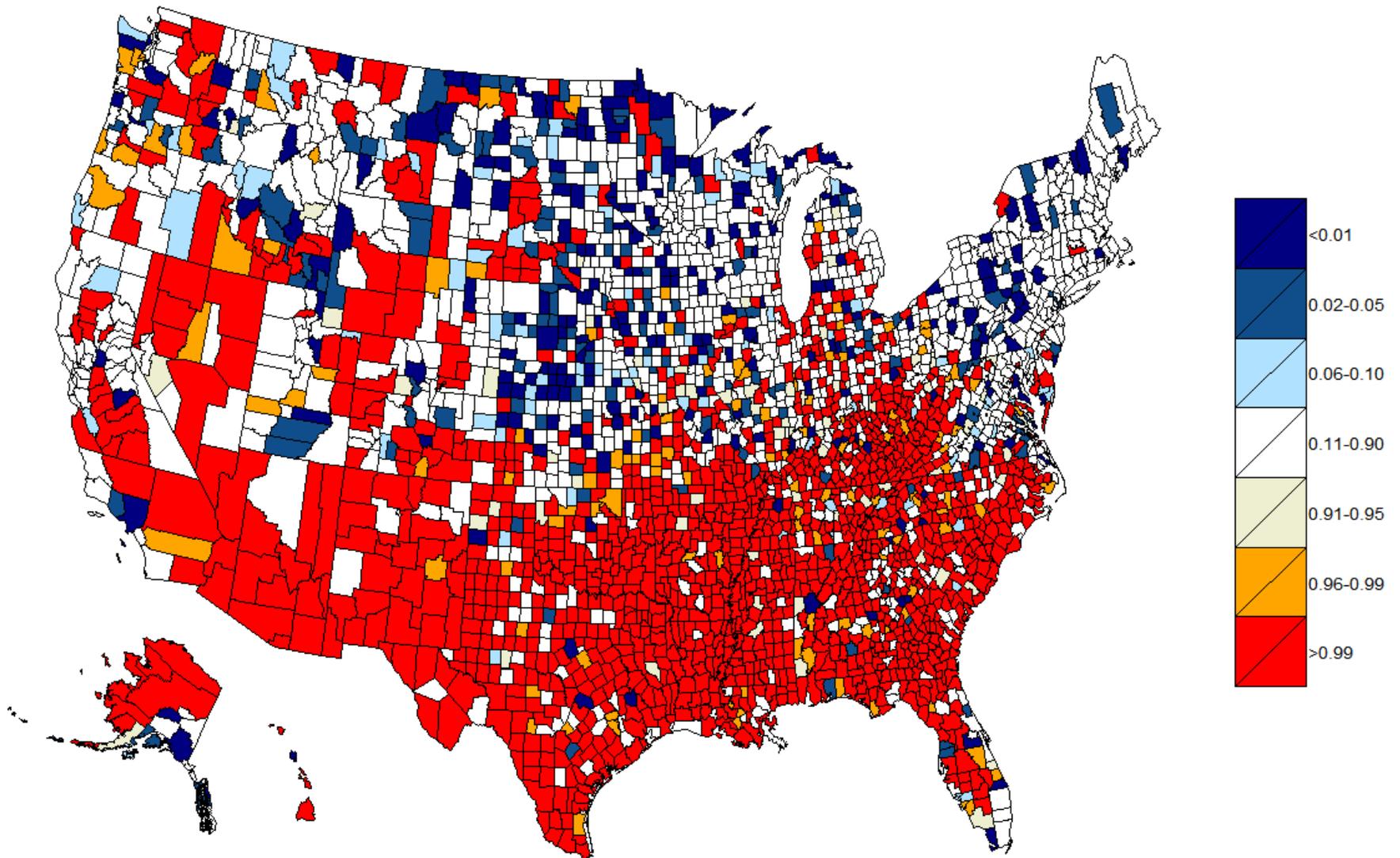
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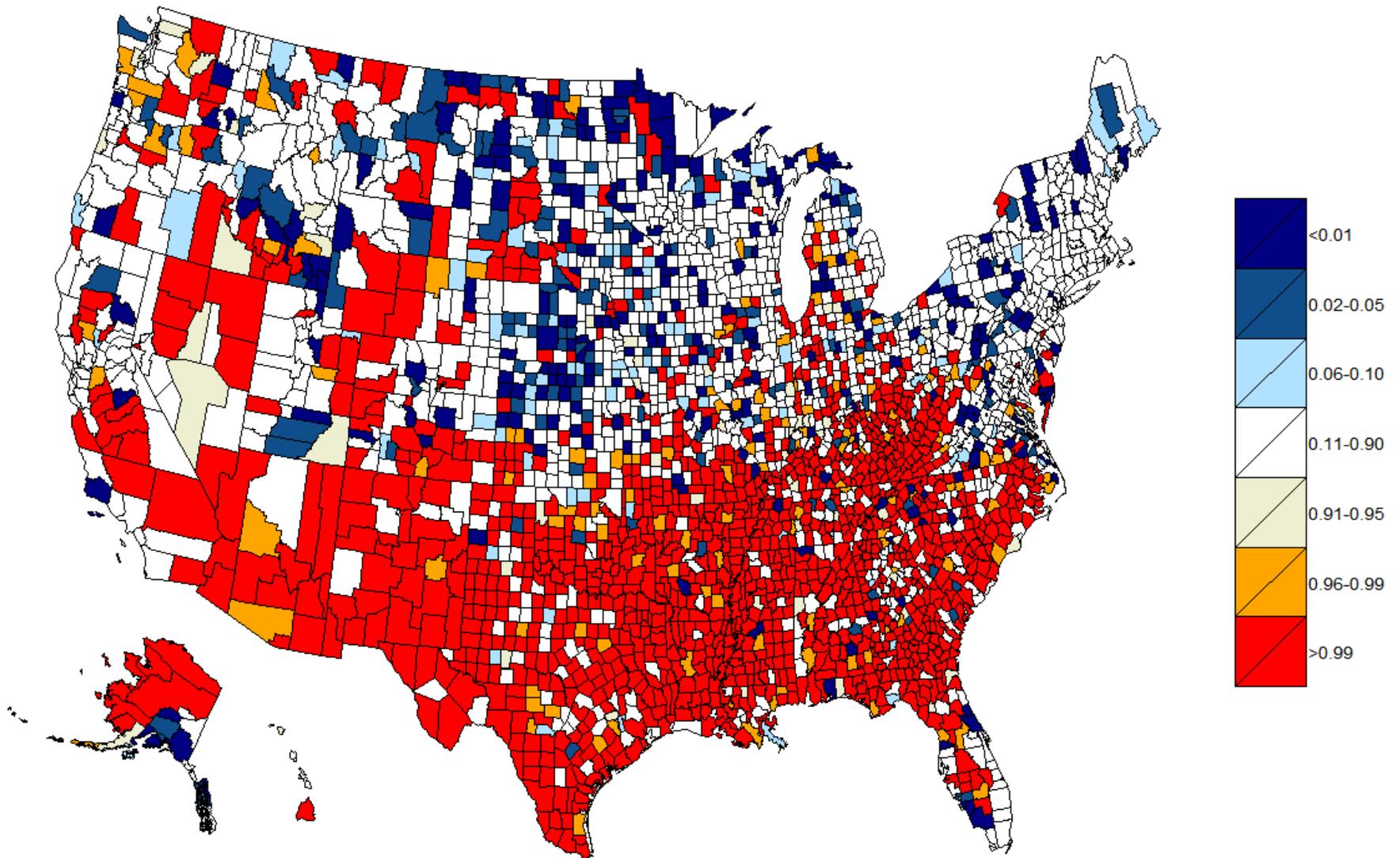
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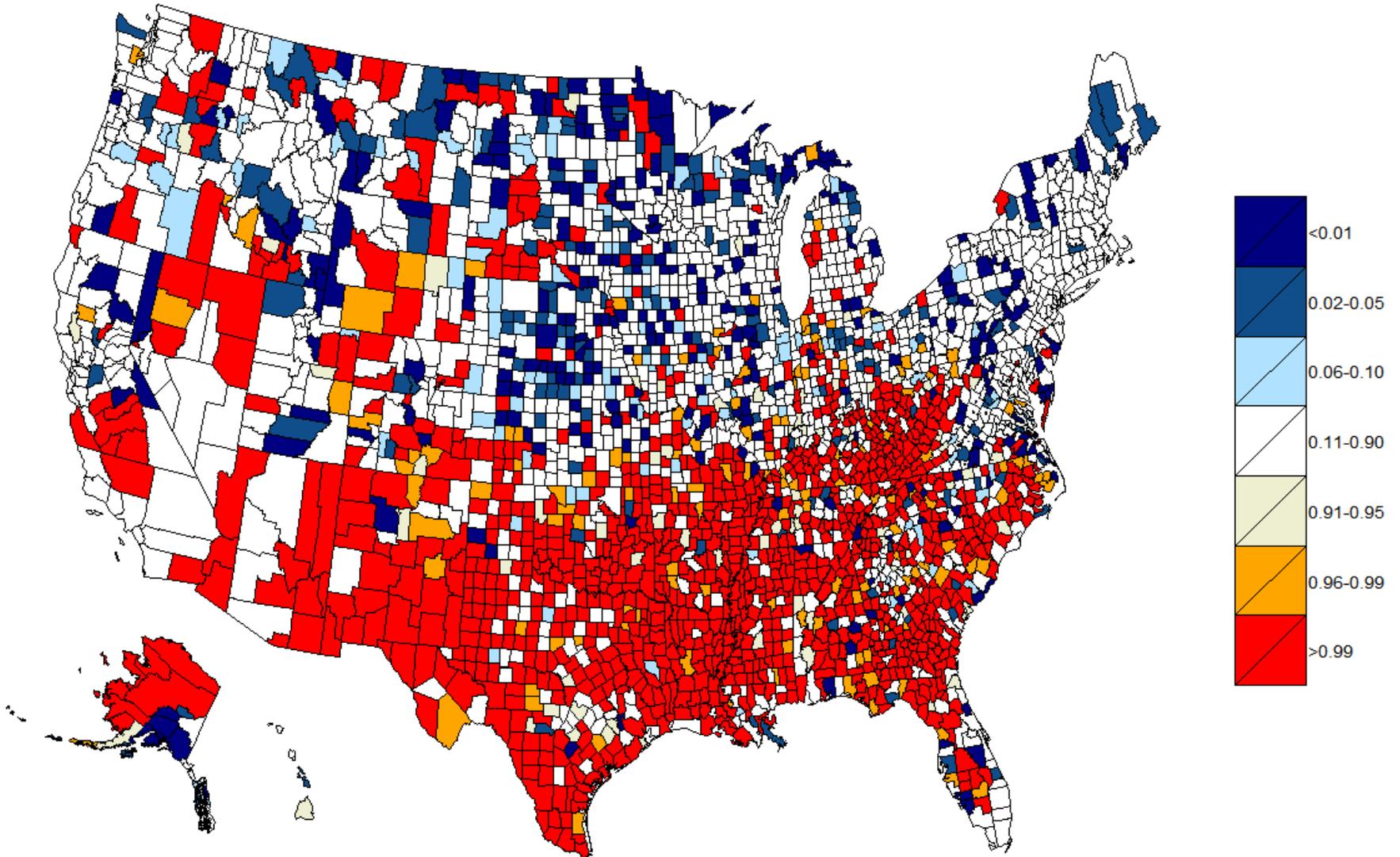
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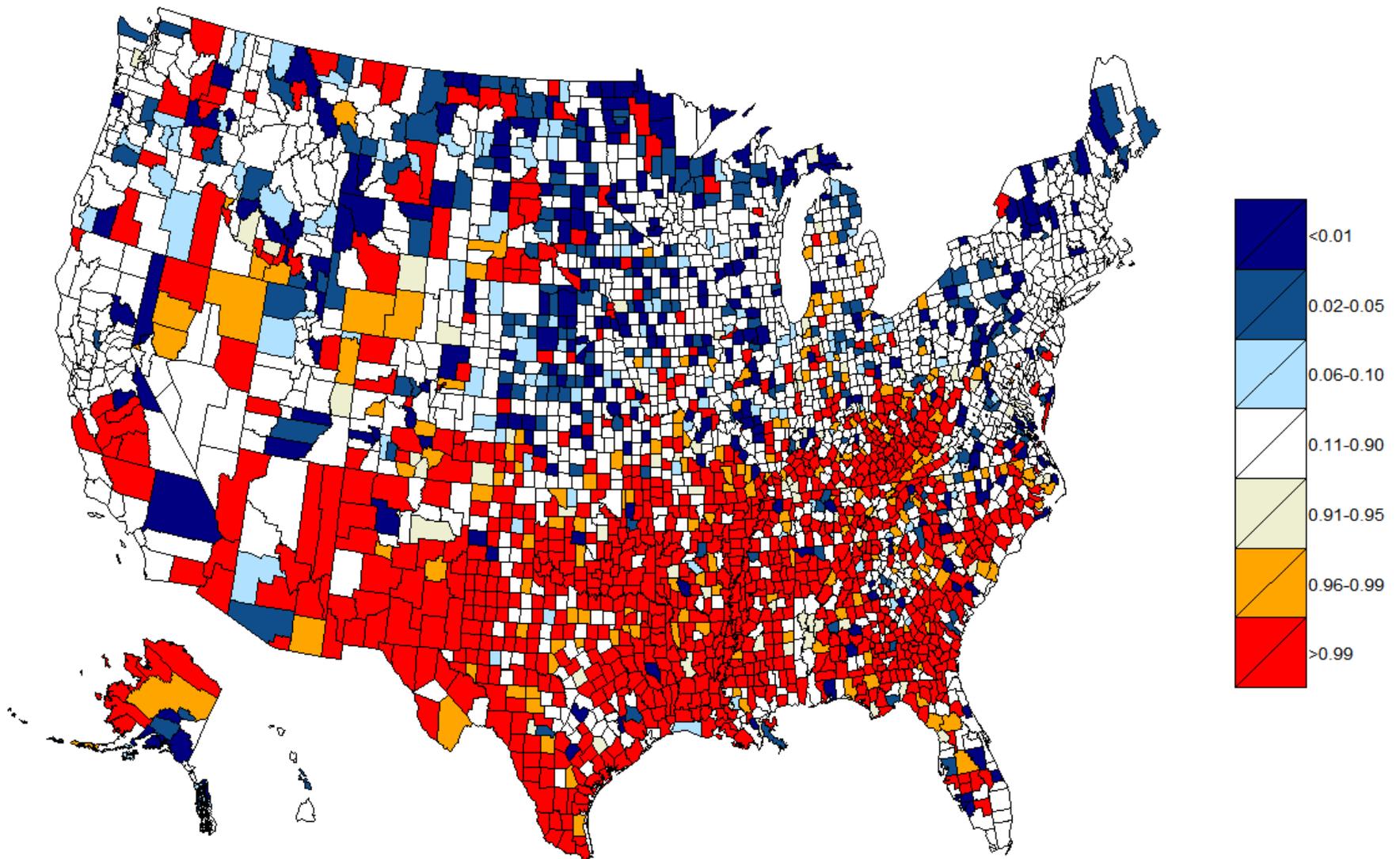
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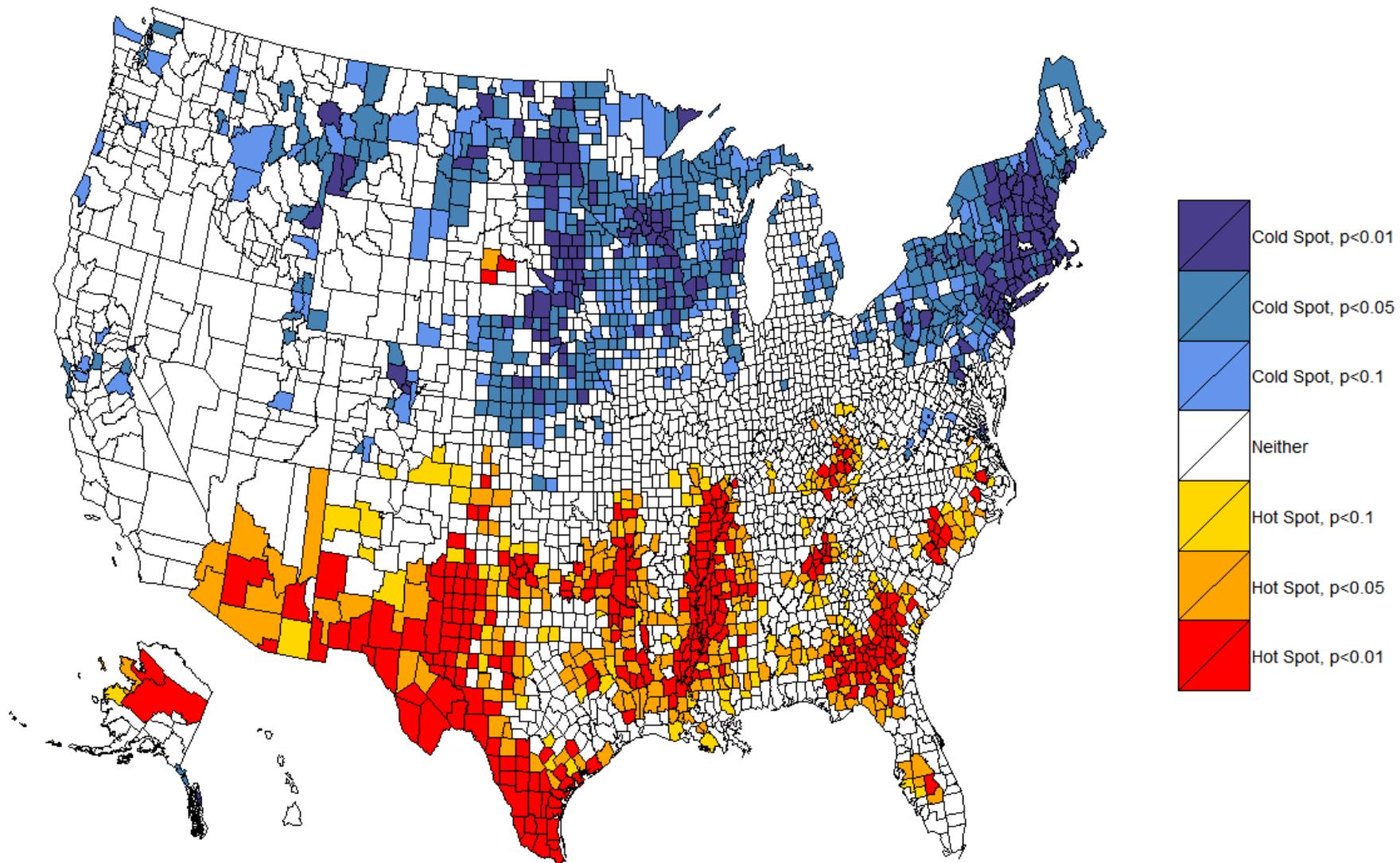


2012

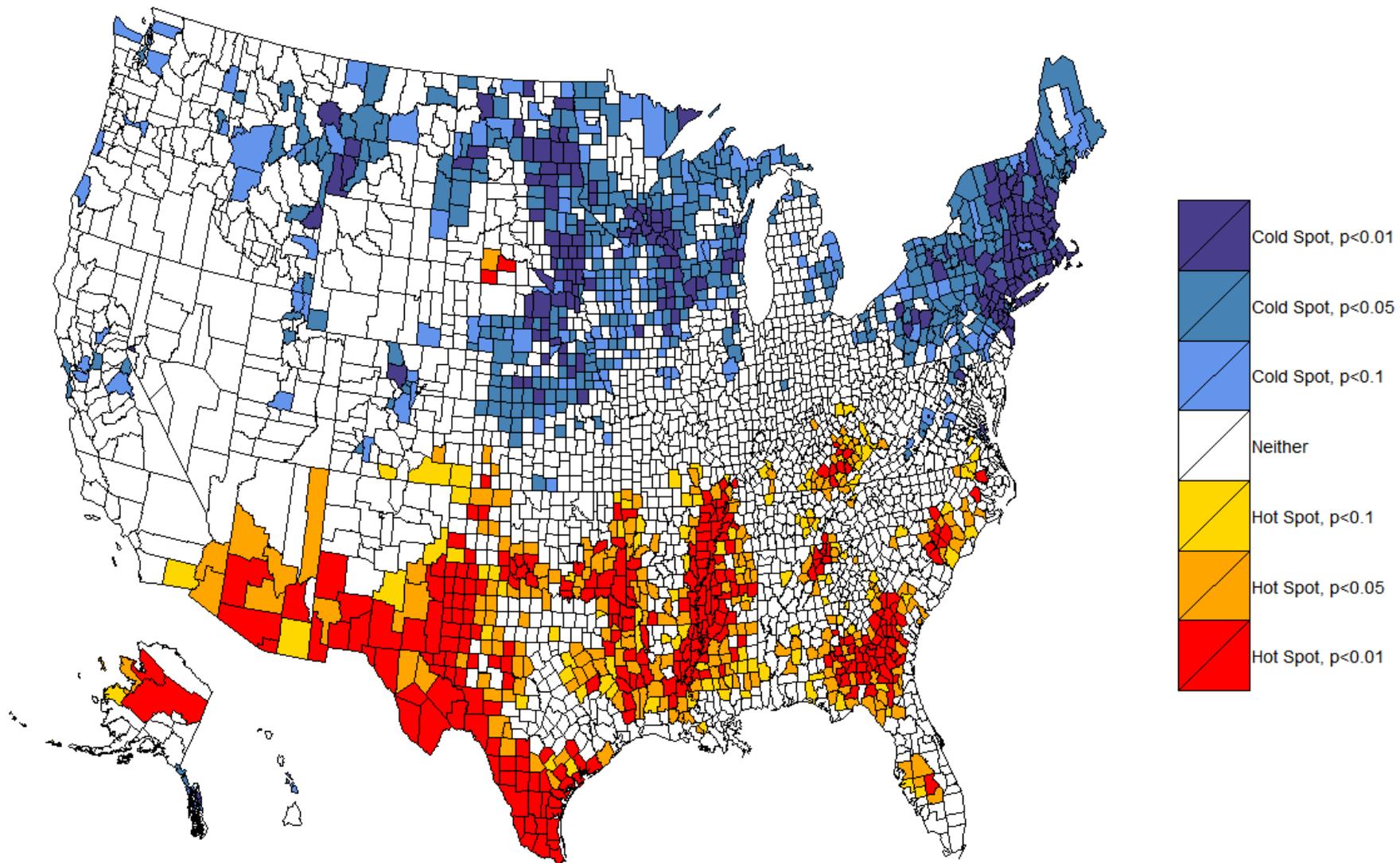


**Hot and cold spots for birth rate
of women aged 15-19, by
county: United States, 2003-
2012**

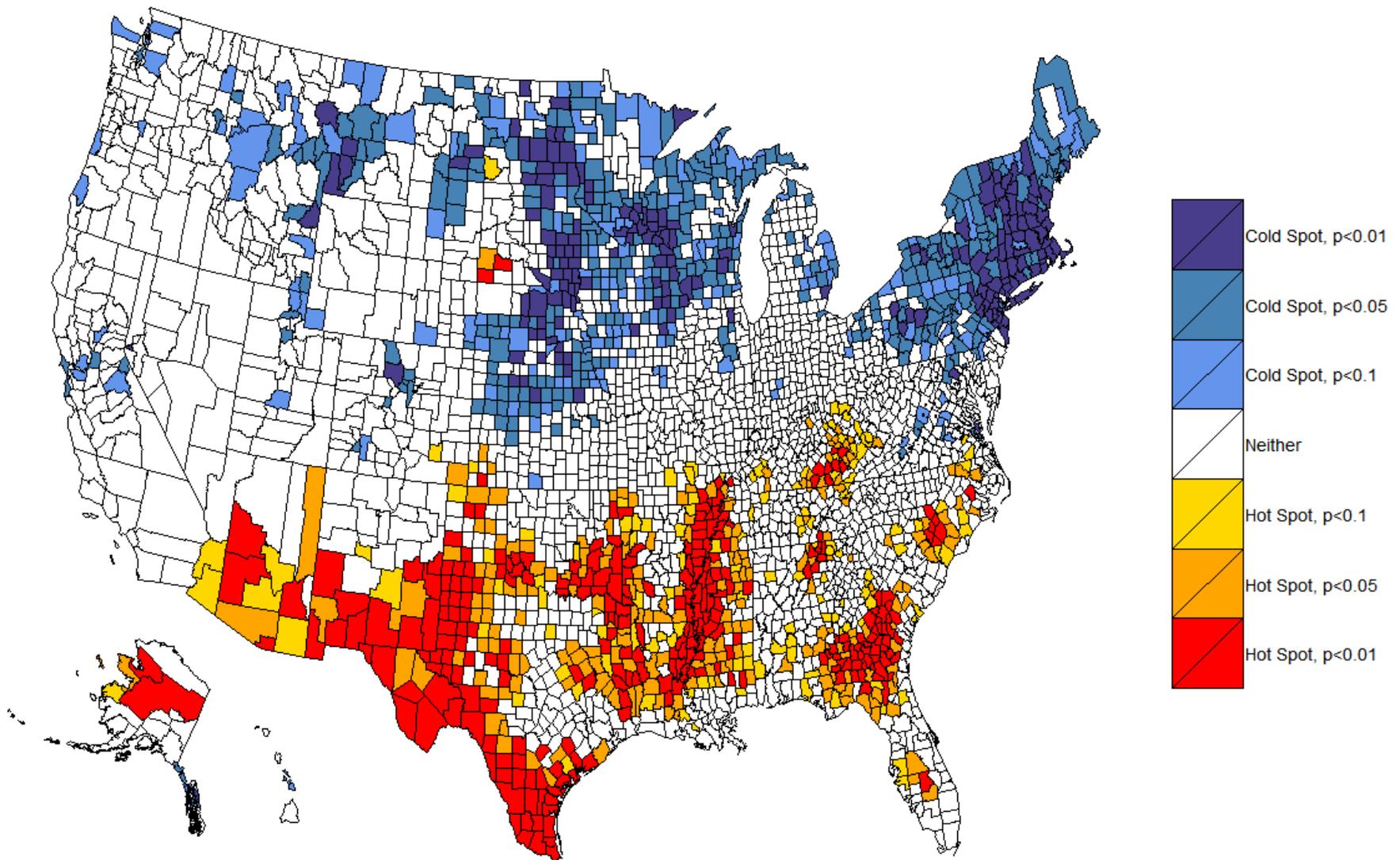
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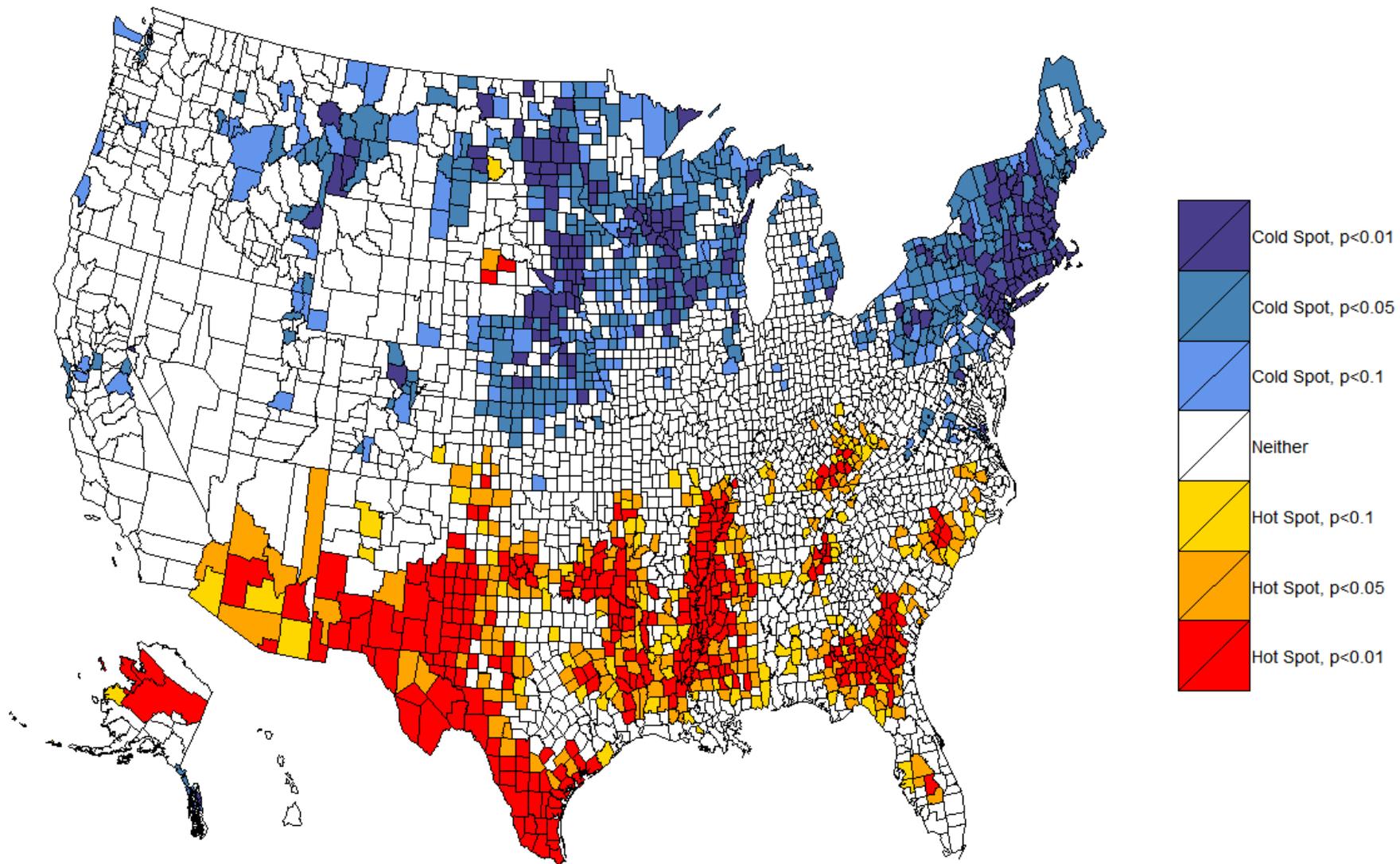
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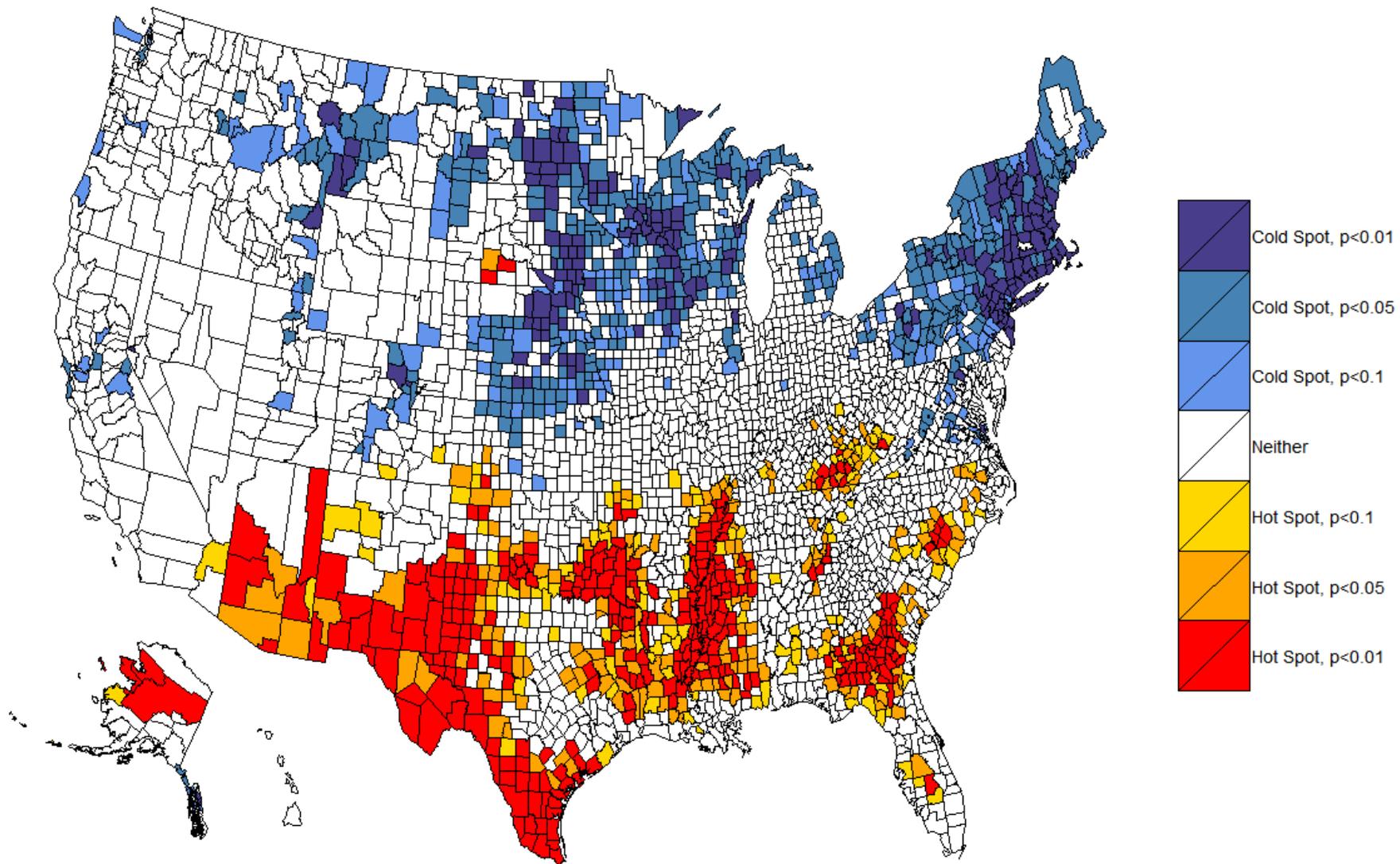
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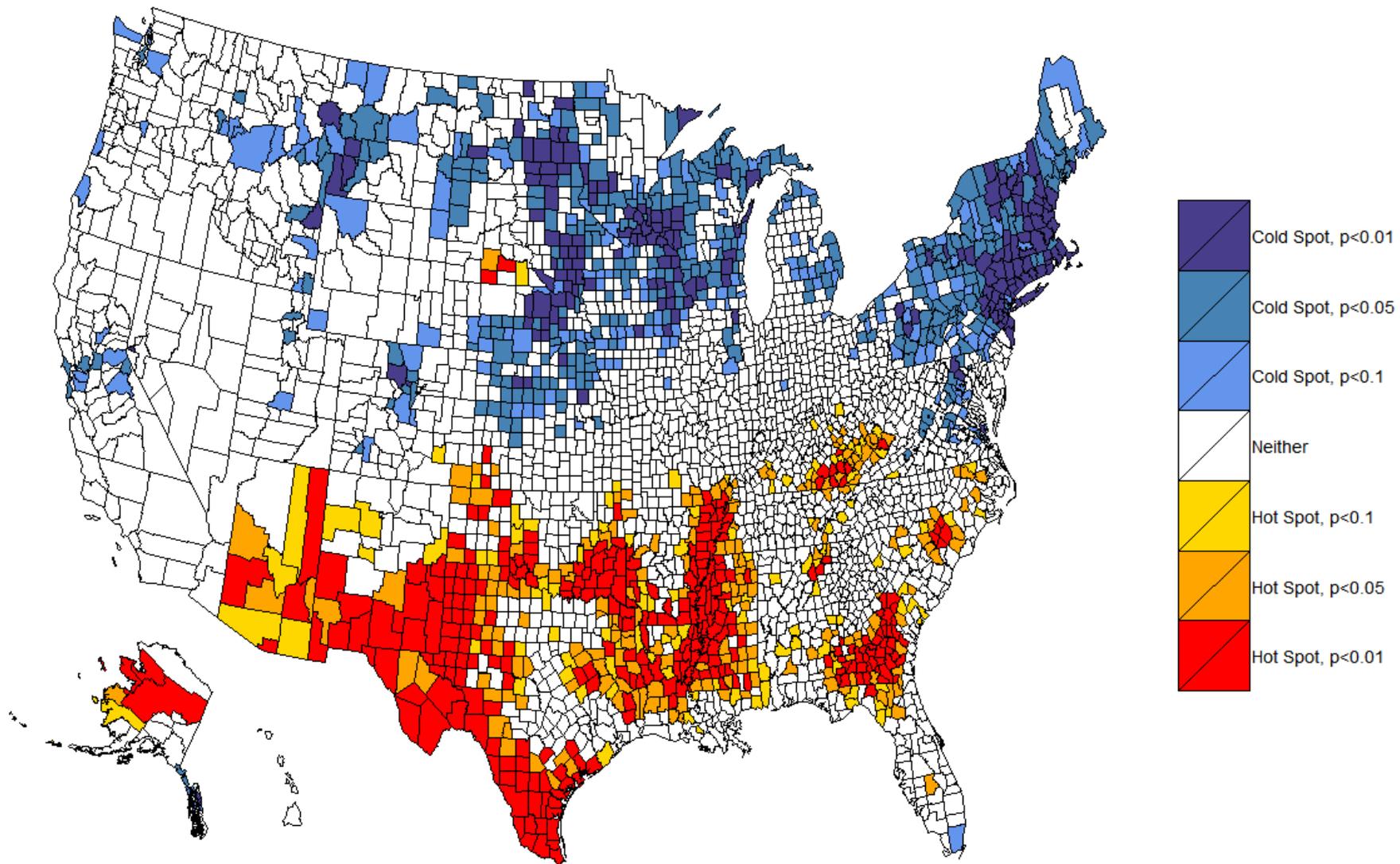
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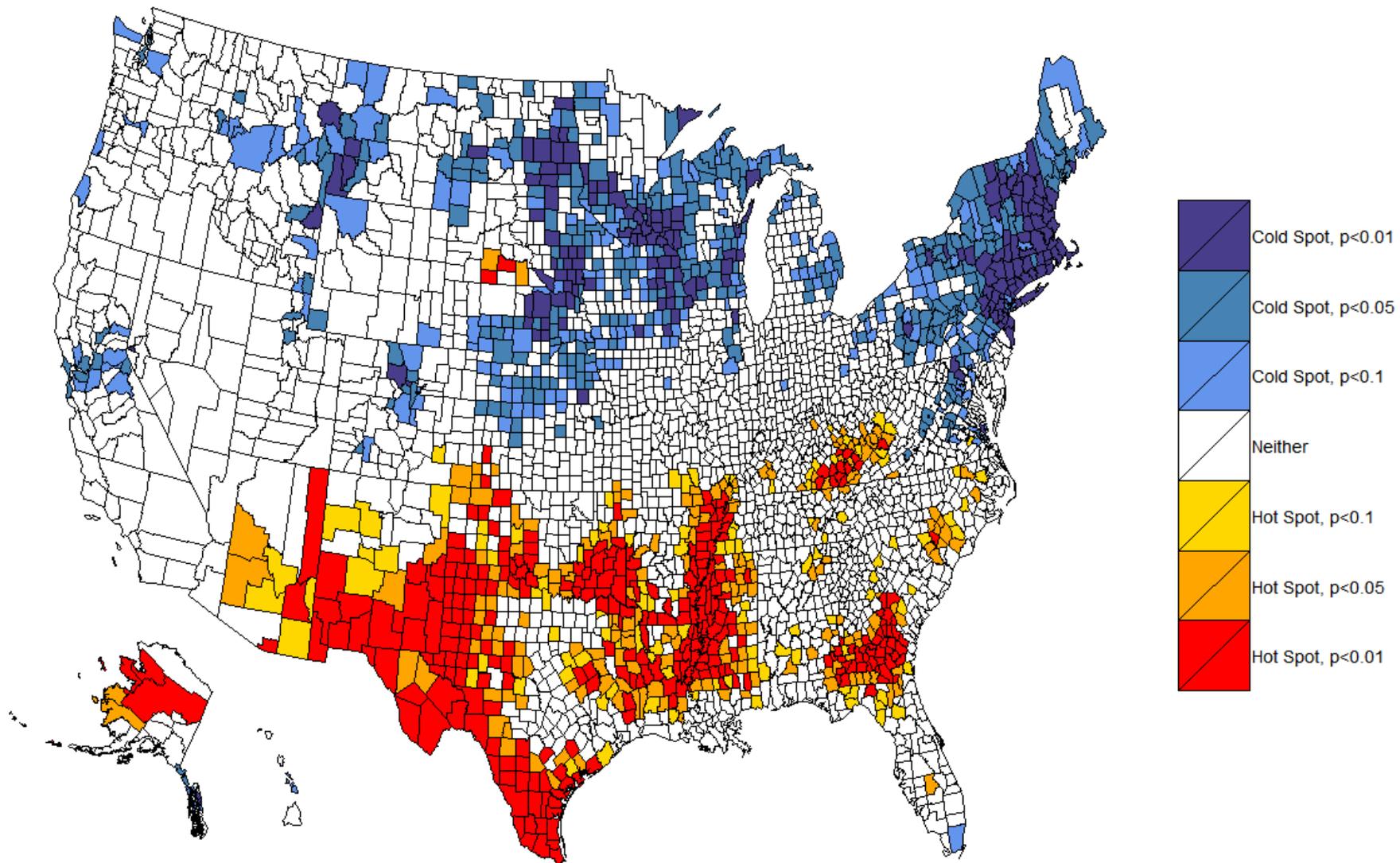
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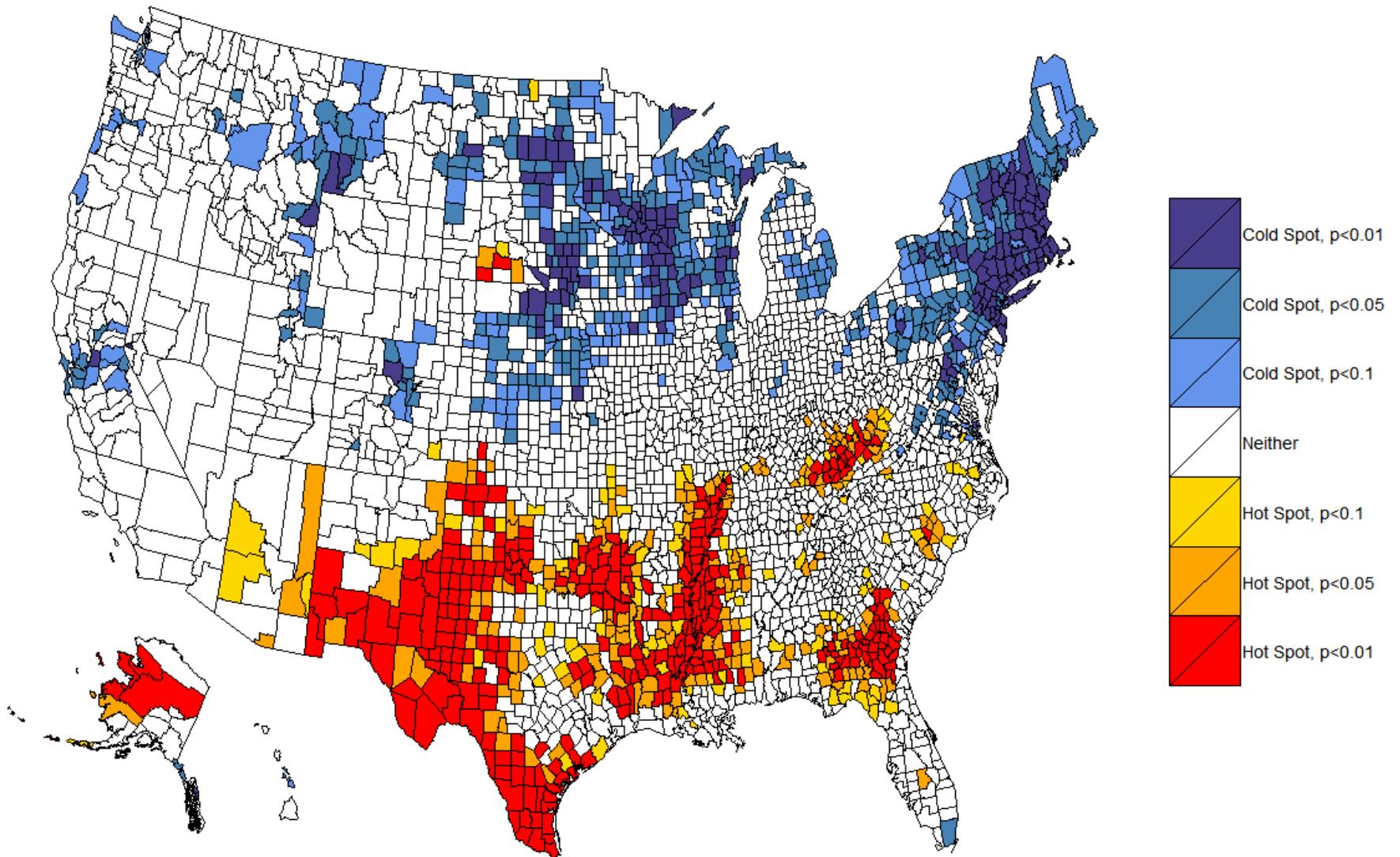
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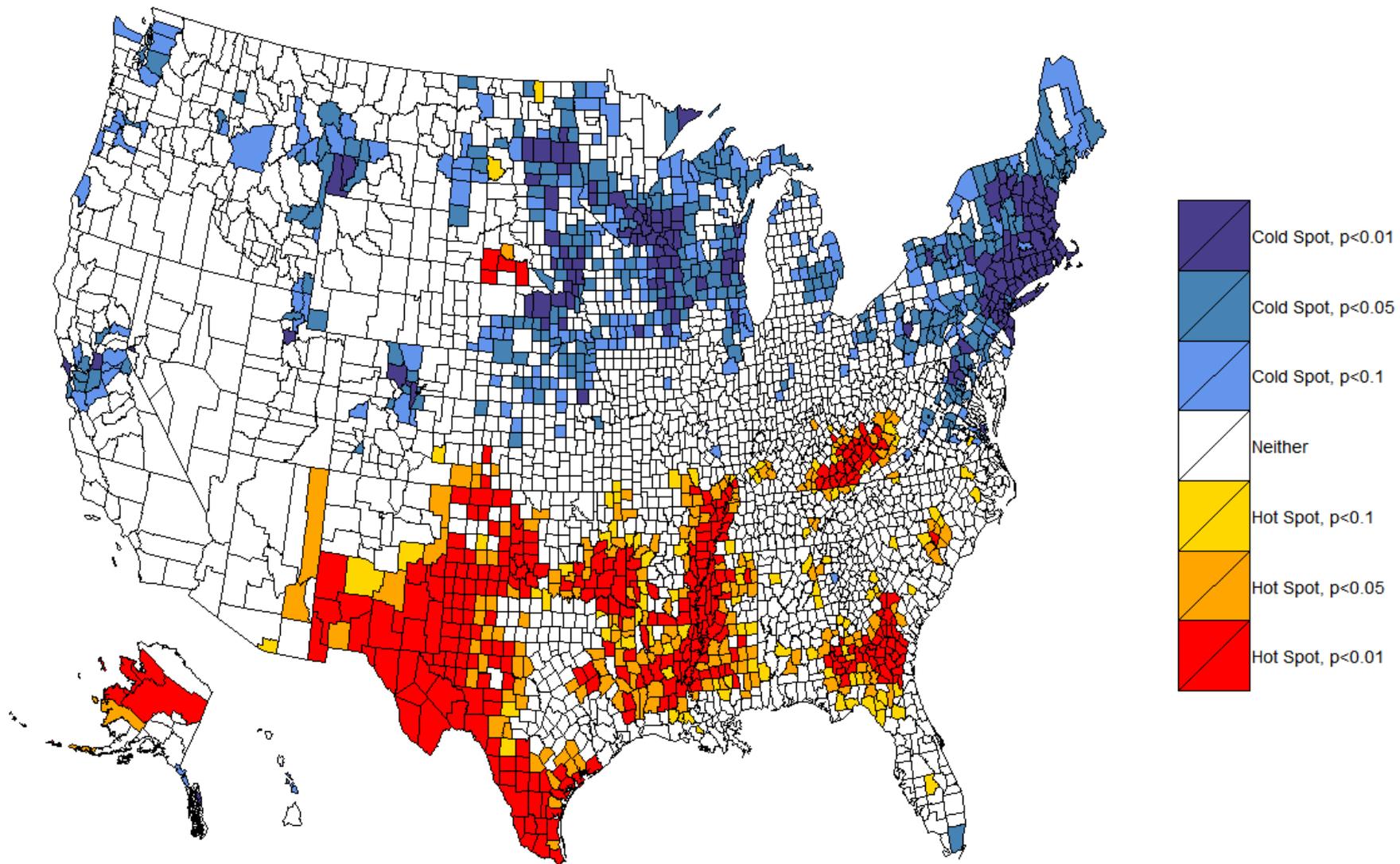
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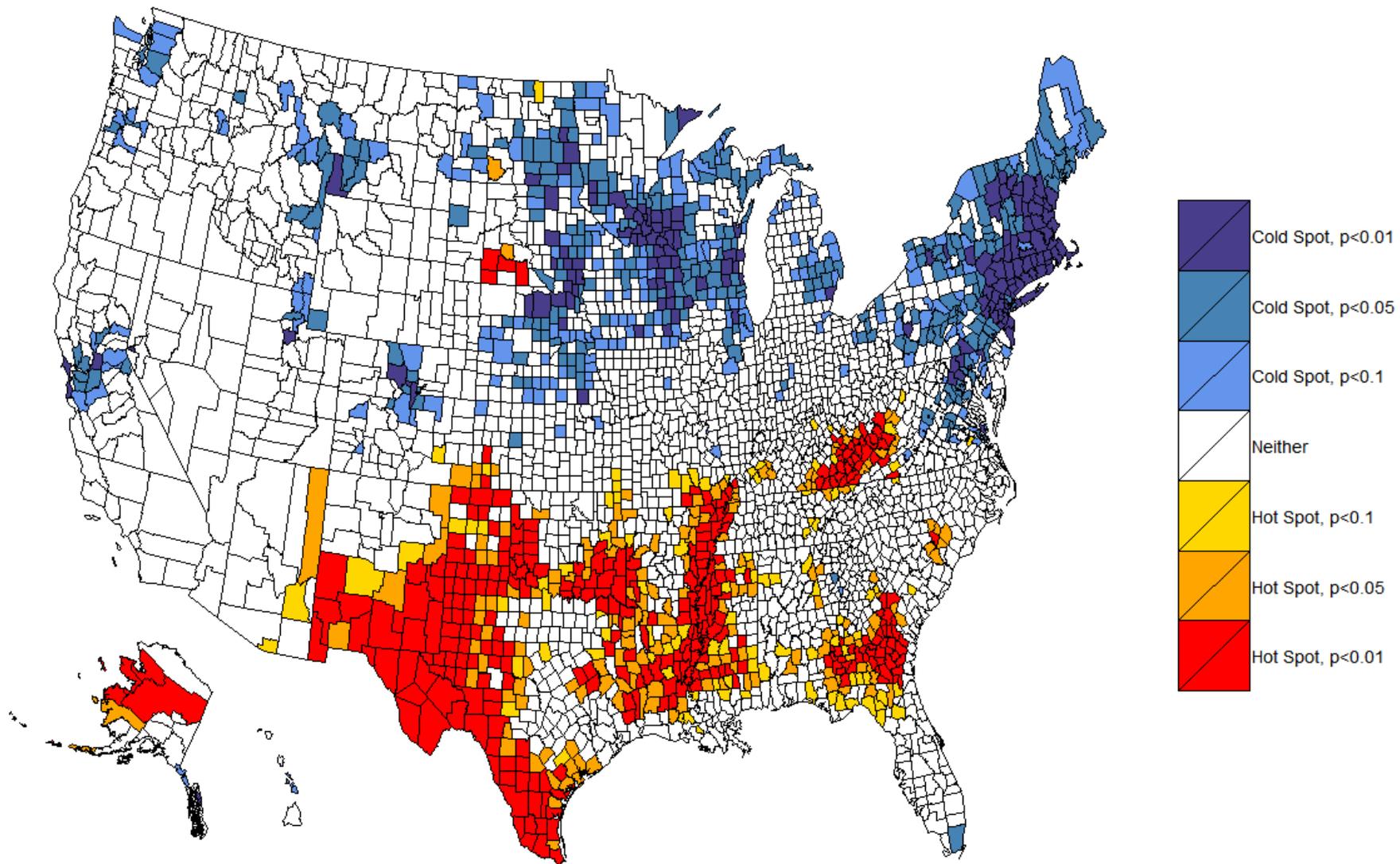
2010



2011



2012



Summary:

- **The U.S. teen birth rate declined 42% from 2007 through 2014.**
- **Teen birth rates declined for all race and Hispanic origin groups from 2007 through 2014.**
- **Rates for teens aged 15-19, 15-17 and 18-19 declined for all states from 2007 through 2013.**
- **Birth rates for non-Hispanic white, non-Hispanic black, and Hispanic teens either declined or were statistically unchanged in all states from 2007 through 2013**
- **State-specific teen birth rates varied by over three-and-a-half-fold in 2013.**
- **Teen birth rates tend to be highest in the South and Southwest and lowest in the Northeast.**

Summary - continued:

- Large variation in teen birth rates seen by county from 2003 through 2012.
- Teen birth rates in excess of 80 births per 1,000 women were seen in counties in west Texas, along the Mississippi river, and parts of Georgia and Alaska.
- 36% of counties had rates significantly below the Healthy People 2020 target of 36 events per 1,000 women in 2012.
- 50% of counties had teen birth rates significantly above 36 events per 1,000 women target.
- Teen birth rates declined for 80% of counties, were unchanged for 19% of counties, and rose for 1% of counties 2003 through 2012.

Forthcoming report and articles:

Martin JA, Hamilton BE, Osterman MJK. Births in the United States, 2014. NCHS data brief, no 216. Hyattsville, MD: National Center for Health Statistics. 2015.

Martin JA, Hamilton BE, Osterman MJK, Curtin SC, and Mathews TJ. Births: Final data for 2014. National vital statistics reports; vol 64 no 11 (?). Hyattsville, MD: National Center for Health Statistics. 2015.

Khan D, Rossen LM, Hamilton BE, Dienes E, He Y, and Wei R. “Spatiotemporal Variation in Teen Birth Rates in the U.S., 2003 to 2012.”

Khan D, Rossen LM, Hamilton BE, Dienes E, He Y, and Wei R. “Hot Spots, Cluster Detection and Spatial Outliers Analysis of Teen Birth Rates in the U.S., 2003 to 2012.”

Data Sources

VitalStats

(<http://www.cdc.gov/nchs/vitalstats.htm>)

Public-Use Data Files

(http://www.cdc.gov/nchs/data_access/VitalStatsOnline.htm)

Customized Data Files

(http://www.cdc.gov/nchs/nvss/dvs_data_release.htm)

CDC Wonder

(<http://wonder.cdc.gov/>)

NCHS: Data Visualization Gallery

(<http://blogs.cdc.gov/nchs-data-visualization/>)

- **Natality Trends, United States, 1909–2013**
- **Teen Birth Trends, U.S. and States, 1960-2013**

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301-458-4653

Thank You