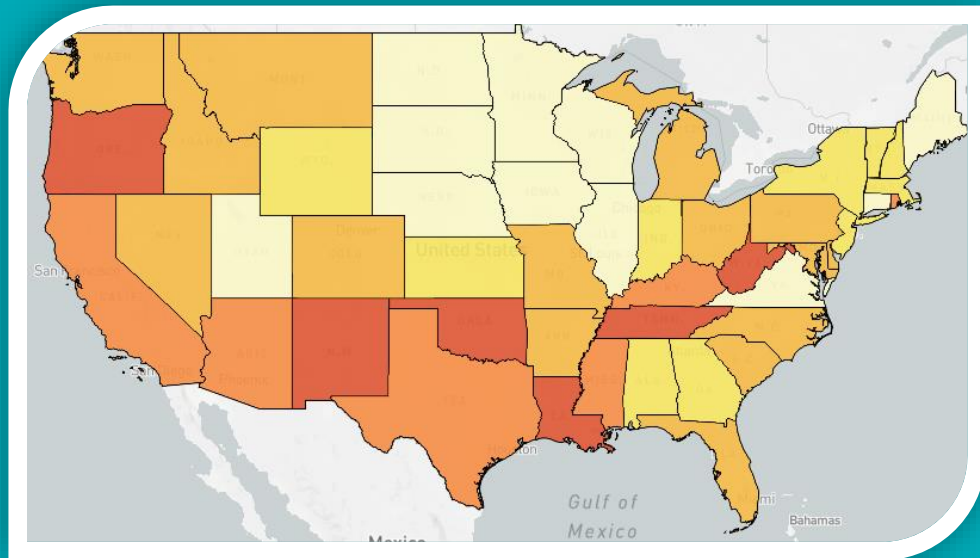


Thank you for joining
**The Impact of Hepatitis C
in the USA:**

**A webinar with the Latino Commission on AIDS
and HepVu**

*Subscribe to HepVu's newsletter and blog updates:
www.hepvu.org/email-signup/*

The webinar will begin at 2:00 PM EST



The Latino Commission on AIDS and HepVu Webinar: The Impact of Hepatitis C in the USA

May 18, 2020

HepVu 



Dr. Heather Bradley, Ph.D.

Assistant Professor of Epidemiology,
Georgia State University
Project Director, HepVu

Agenda

I. The Impact of Hepatitis C on the Hispanic/Latinx Community

Luis Mares, LMSW

National Community Mobilization Director, Latino Commission on AIDS

II. HepVu and Hepatitis C in America

Heather Bradley, Ph.D.

Assistant Professor of Epidemiology, Georgia State University, and Project Director, HepVu

III. County-Level Hepatitis C Mortality

Heather Bradley, Ph.D.

IV. HepVu Features and Site Overview

Heather Bradley, Ph.D.

The Impact of Hepatitis C on the Hispanic/Latinx Community

Luis Mares, LMSW

National Community Mobilization Director, Latino Commission
on AIDS

About the Commission

- **Founded in 1990** to lead health advocacy efforts for Latinos, promote HIV education, develop model prevention programs for high-risk communities, and build capacity in community organizations
- **Seeks to meet the health challenges and address** the impact of HIV/AIDS, hepatitis, and STIs in communities nationwide
- **Nonprofit committed to** creating and promoting a safe space



Hepatitis Awareness Month and NHHAD

May

Hepatitis Awareness Month

May 15

National Hispanic
Hepatitis Awareness Day
(NHHAD)

May 19

Hepatitis Testing Day

The Hepatitis C Epidemic

- **Hepatitis C is a leading cause of liver-related morbidity and mortality in America**
- **An estimated 2.3 million people were living with Hepatitis C from 2013 to 2016**
 - Heaviest impact on males, Baby Boomers, Black Americans, and, increasingly, young persons in states highly affected by the opioid epidemic
- **Hepatitis C and other infectious diseases are often-overlooked consequences of America's opioid crisis**
 - Hepatitis C infections have nearly tripled in recent years, with the largest increases among persons under 40, largely due to injection drug use

Hepatitis C Among Hispanic/Latinx

- **Chronic liver disease is one of the leading causes of death in the Hispanic/Latinx community**
 - Chronic liver disease can be caused by Hepatitis B or C viruses
- **The rate of chronic liver disease among Hispanic men and women is double that of white counterparts**
 - Third-leading cause of death for Hispanic men (ages 55-64) in 2015
- **To monitor and effectively address the Hepatitis C epidemic, there is a need for better surveillance data to inform policy, programmatic, and resource planning**
 - Limited surveillance and resources make this even more challenging when examining the impact of Hepatitis C by race/ethnicity

HepVu and Hepatitis C in America

Heather Bradley, Ph.D.

Assistant Professor of Epidemiology, Georgia State University

Project Director, HepVu

HepVu Overview

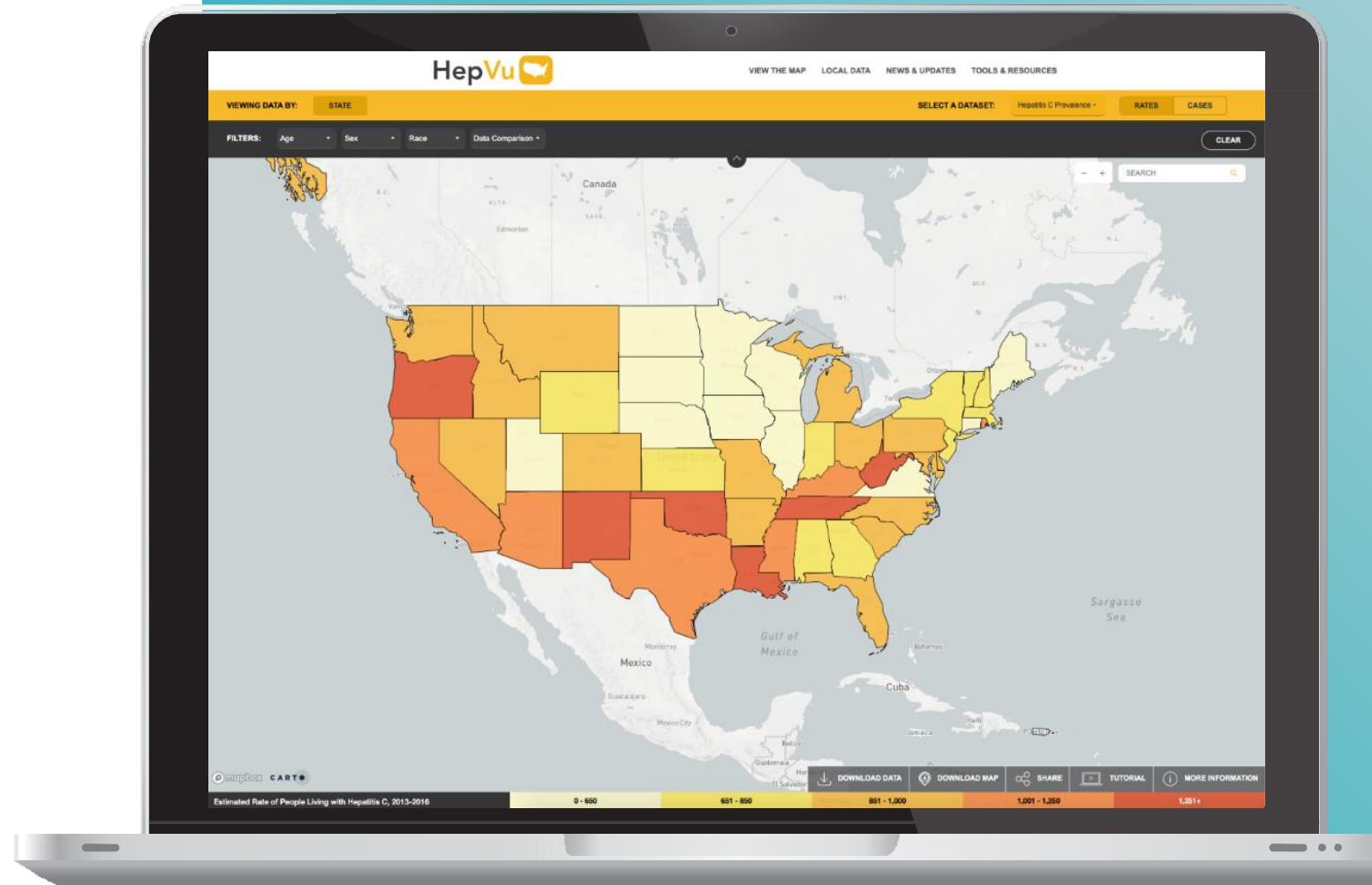
- Making data on the viral hepatitis epidemic widely available, easily accessible, and locally relevant to ***inform public health decision making.***
- Partnership between Gilead Sciences and Rollins School of Public Health at Emory University



Visualizing Data



HepVu can be used to visualize where programmatic interventions are needed most



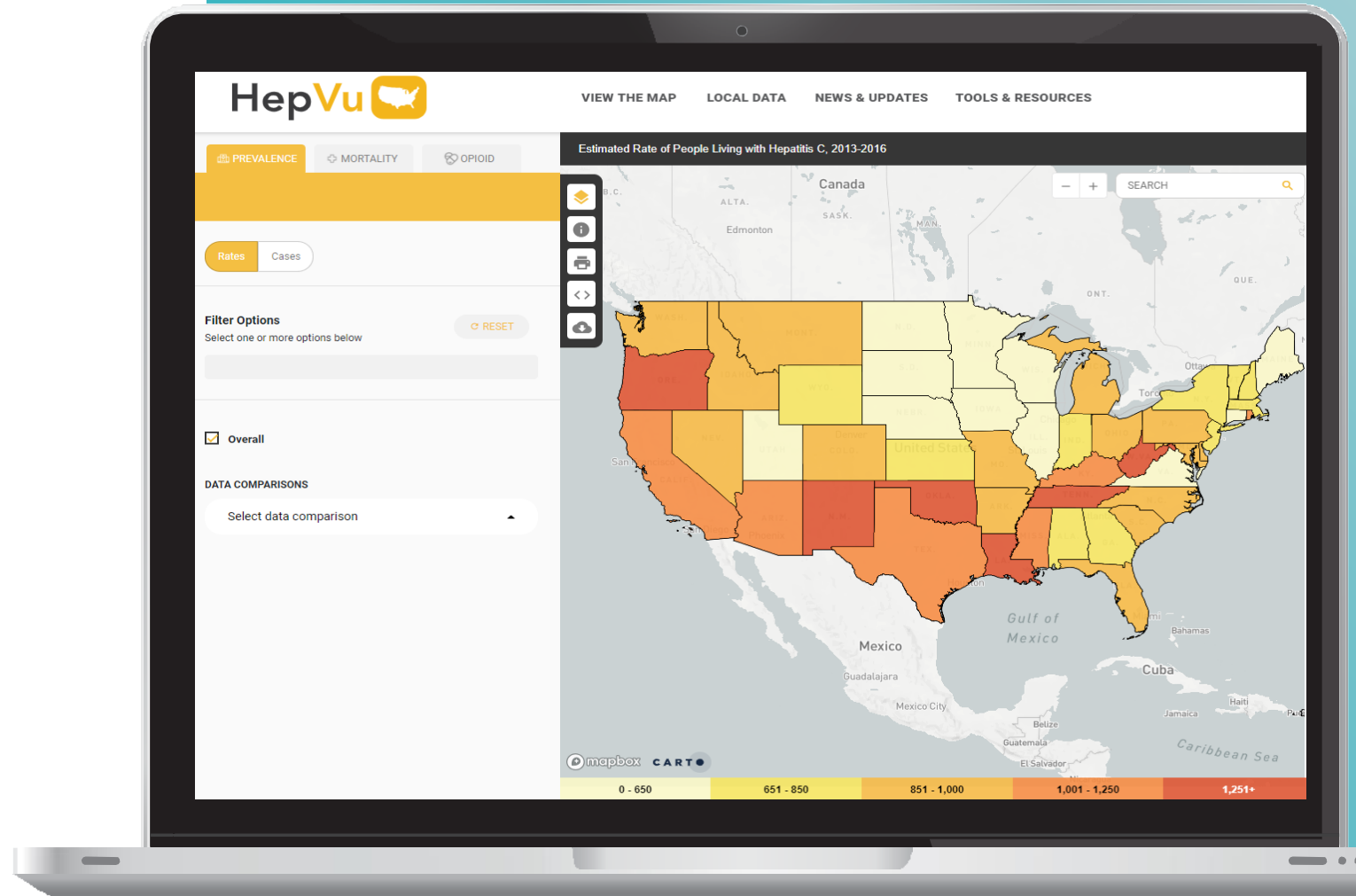
HepVu Maps

View data at the state level, including:

- State-level Hepatitis C prevalence estimates (2013-2016) stratified by sex, age, and race.
- Hepatitis C-related mortality data (2016)
- County-level Hepatitis C-related mortality (2017)

Opioid Maps

- Opioid prescription rate (2017)
- Narcotic overdose mortality rate (2013-2016)
- Pain reliever misuse percent (2015-2016)



HepVu Data by Age, Sex, and Race

Stratified Maps

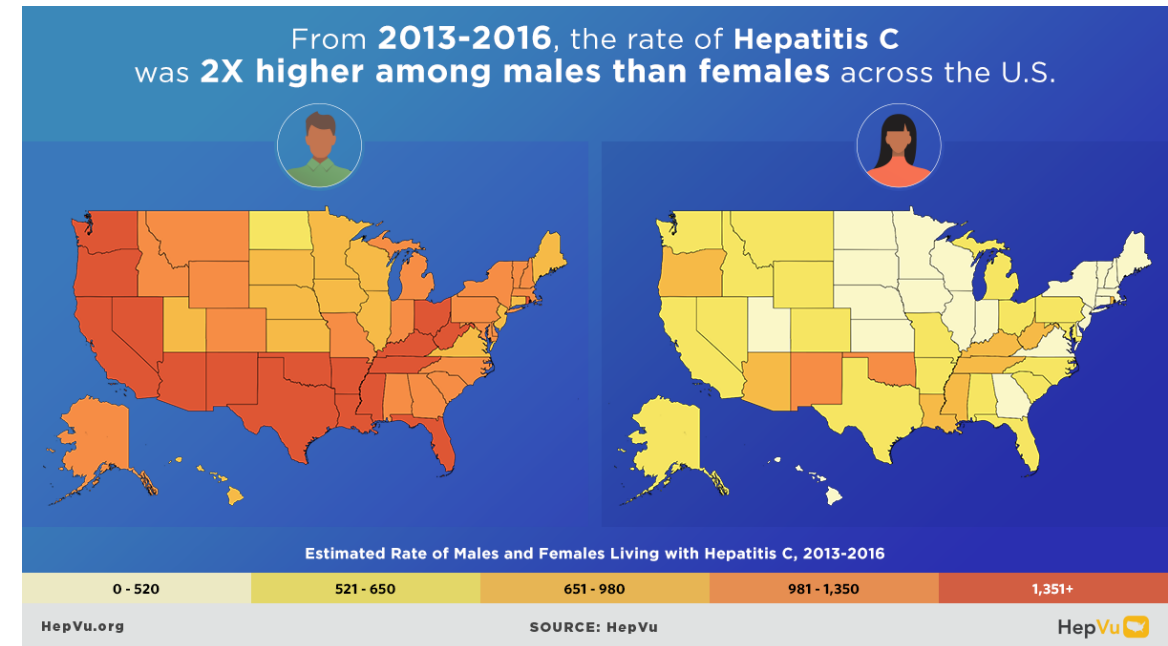
Hepatitis C prevalence estimates (2013-2016) stratified by:

- **Sex**
 - Male
 - Female
- **Age**
 - Less than 50
 - 50 – 74 (Baby Boomer)
 - 75 and older
- **Race**
 - Black
 - Non-Black



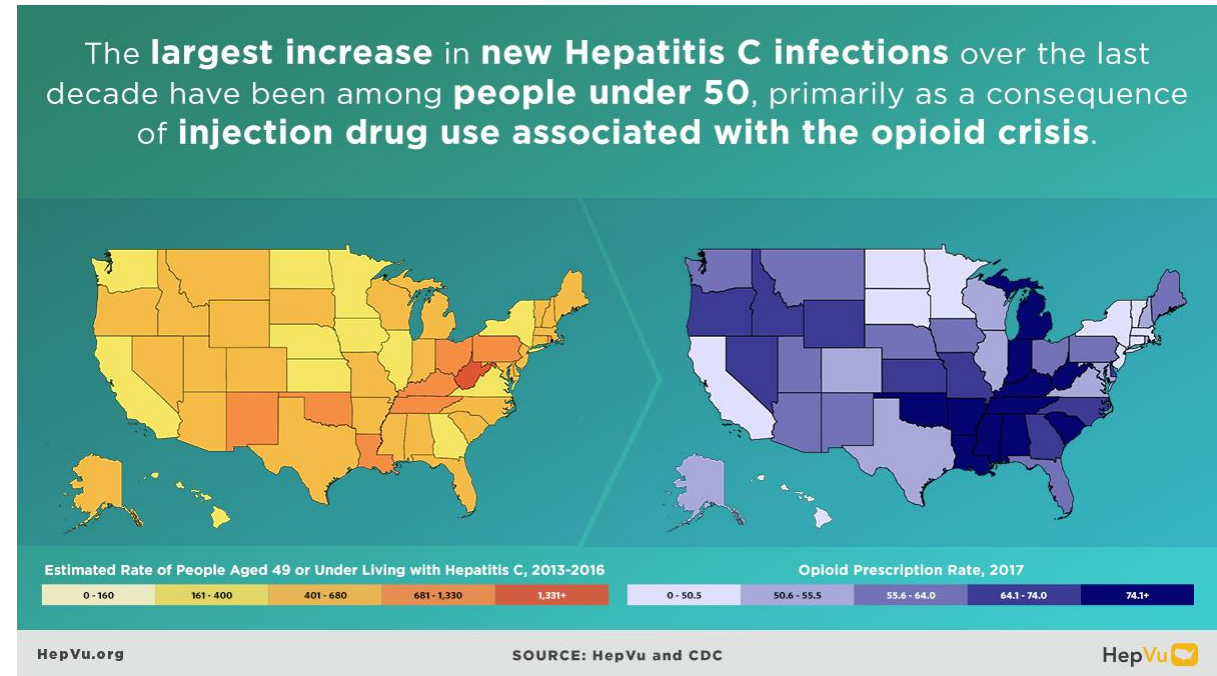
Hepatitis C by Sex

- **Men had double the Hepatitis C prevalence of women** – a ratio that was consistent in nearly every state
- Nationally, the rate of Hepatitis C prevalence was 1.3% for males and 0.6% for females
- This disparity is consistent with previously published estimates



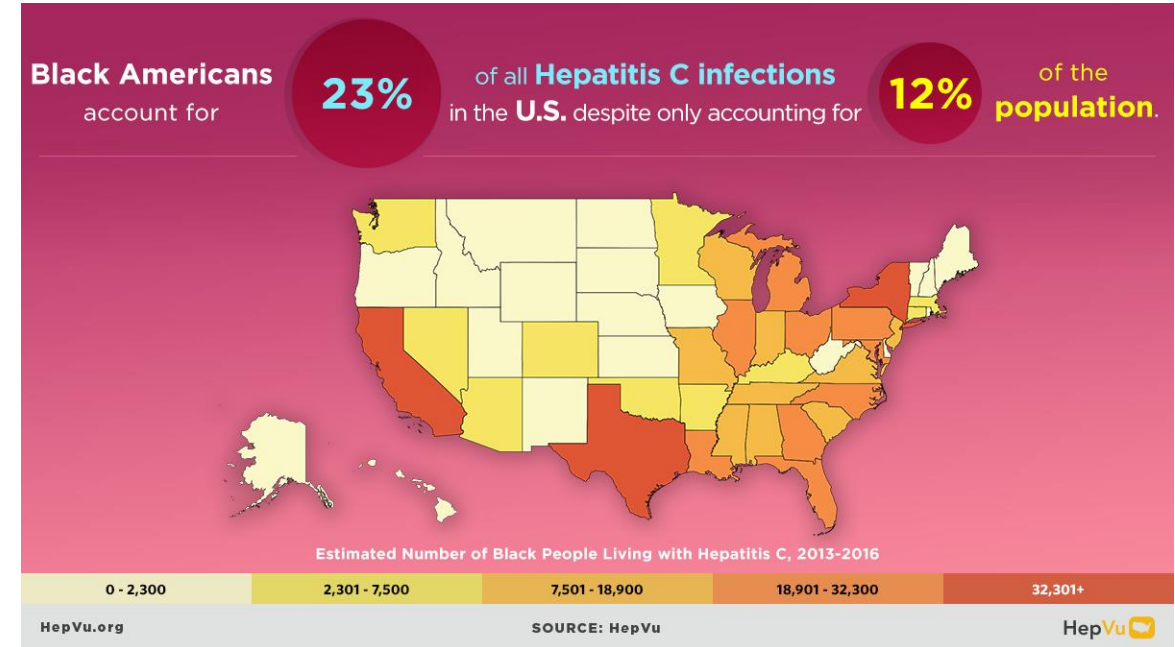
Hepatitis C by Age

- Nationally, Hepatitis C prevalence among persons:
 - 50 – 74 years (Baby Boomers): **1.6%**
 - 49 years or younger: **0.5%**
 - 75 years or older: **0.2%**
- 71% of infections were among **Baby Boomers**, but...
- ...**Younger Americans** represent larger proportions of Hepatitis C infections in states hardest hit by the opioid epidemic



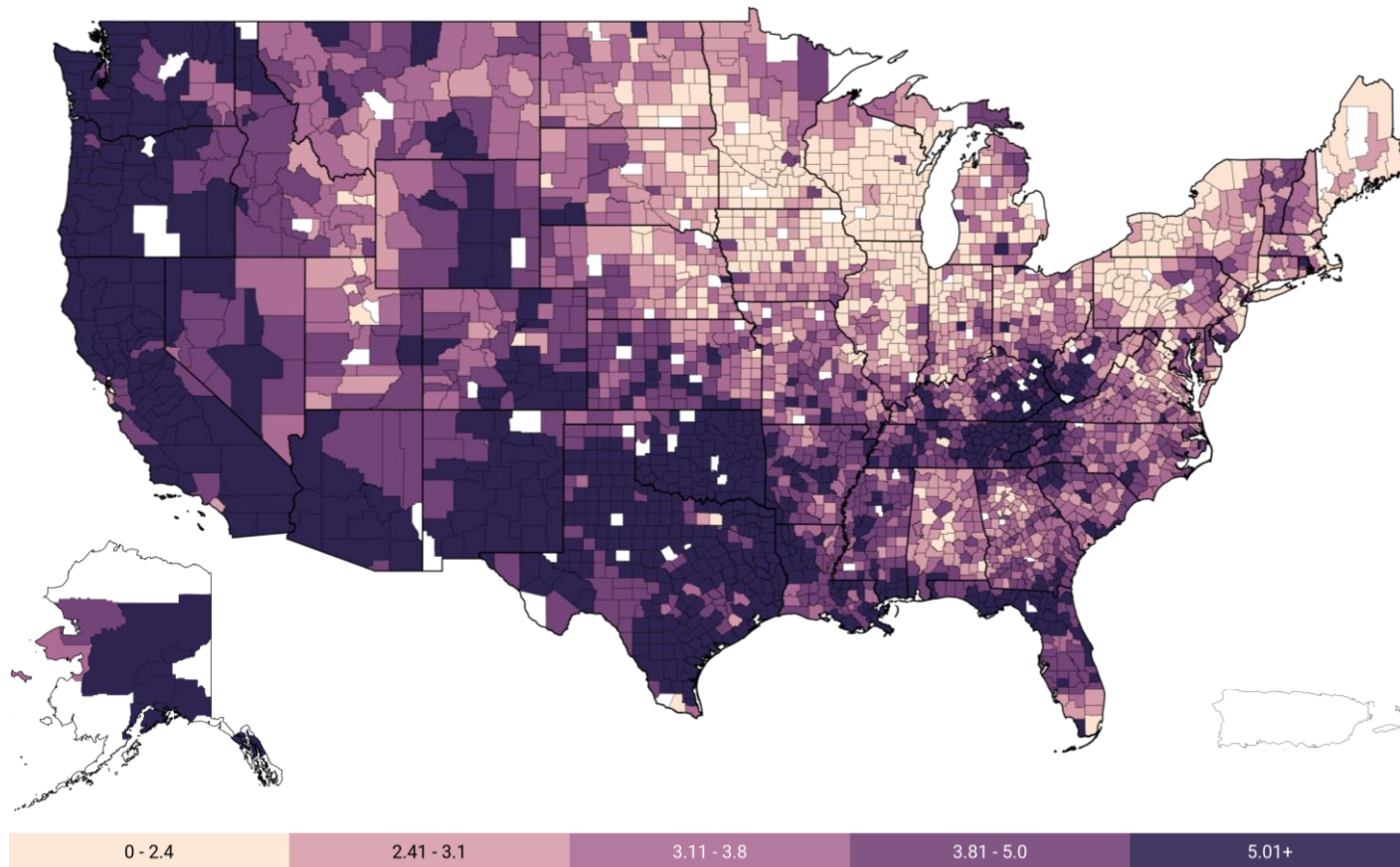
Hepatitis C by Race

- **Hepatitis C prevalence was more than twice as high for Black Americans than for non-Black Americans**
- **Black Americans account for 23% of Hepatitis C infections, but only 12% of the U.S. population**
- **Despite lower rates of Hepatitis C, the Hispanic/Latinx community sees worse HCV-related mortality outcomes compared to non-Hispanic whites.**

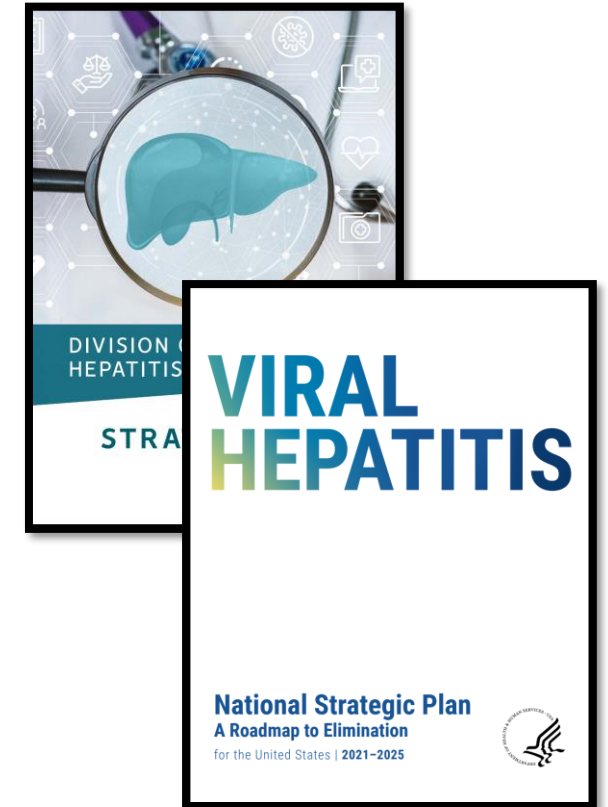


County-Level Hepatitis C Mortality Data & Insights

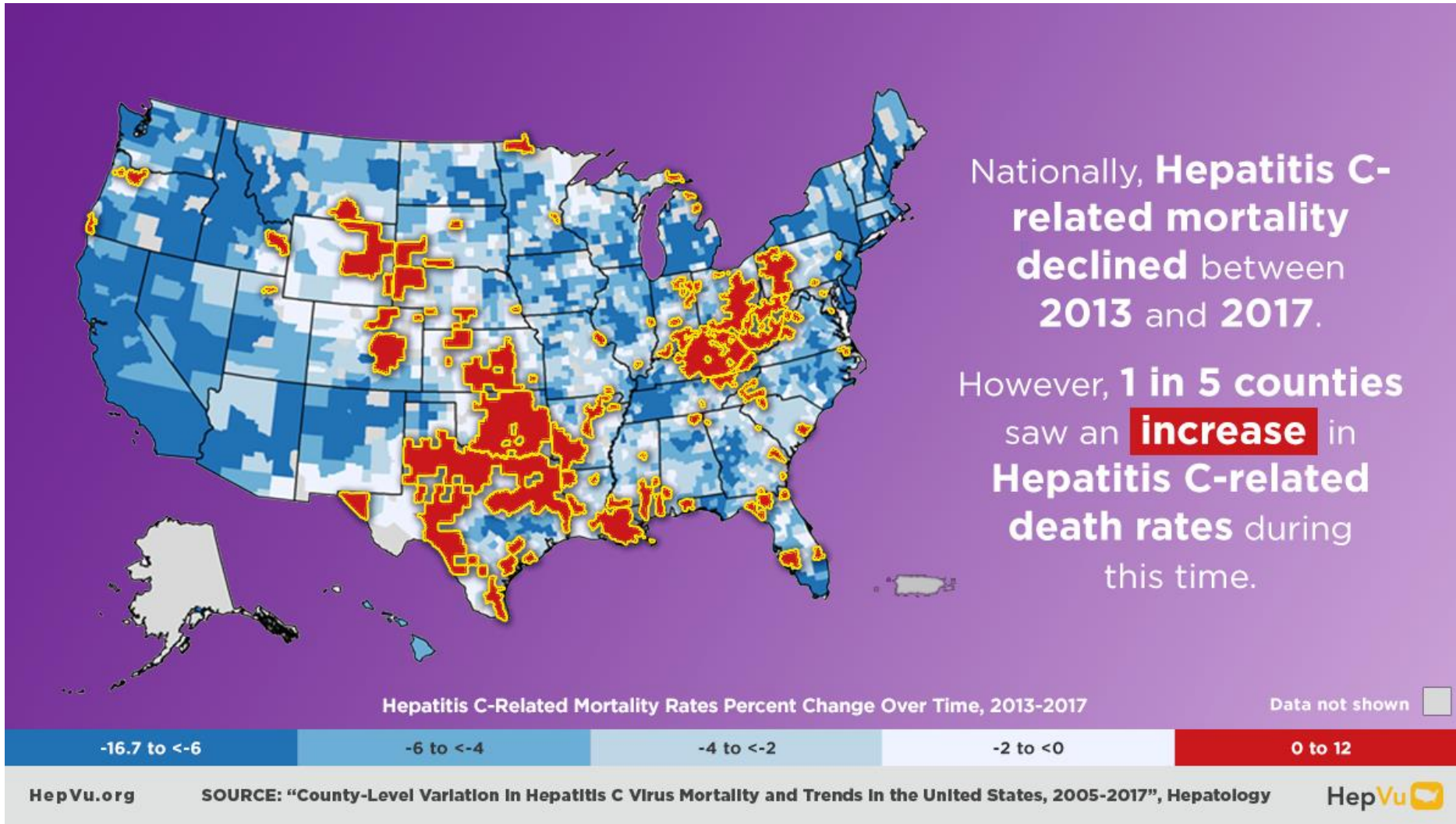
Why Map County-Level Hepatitis C Mortality?



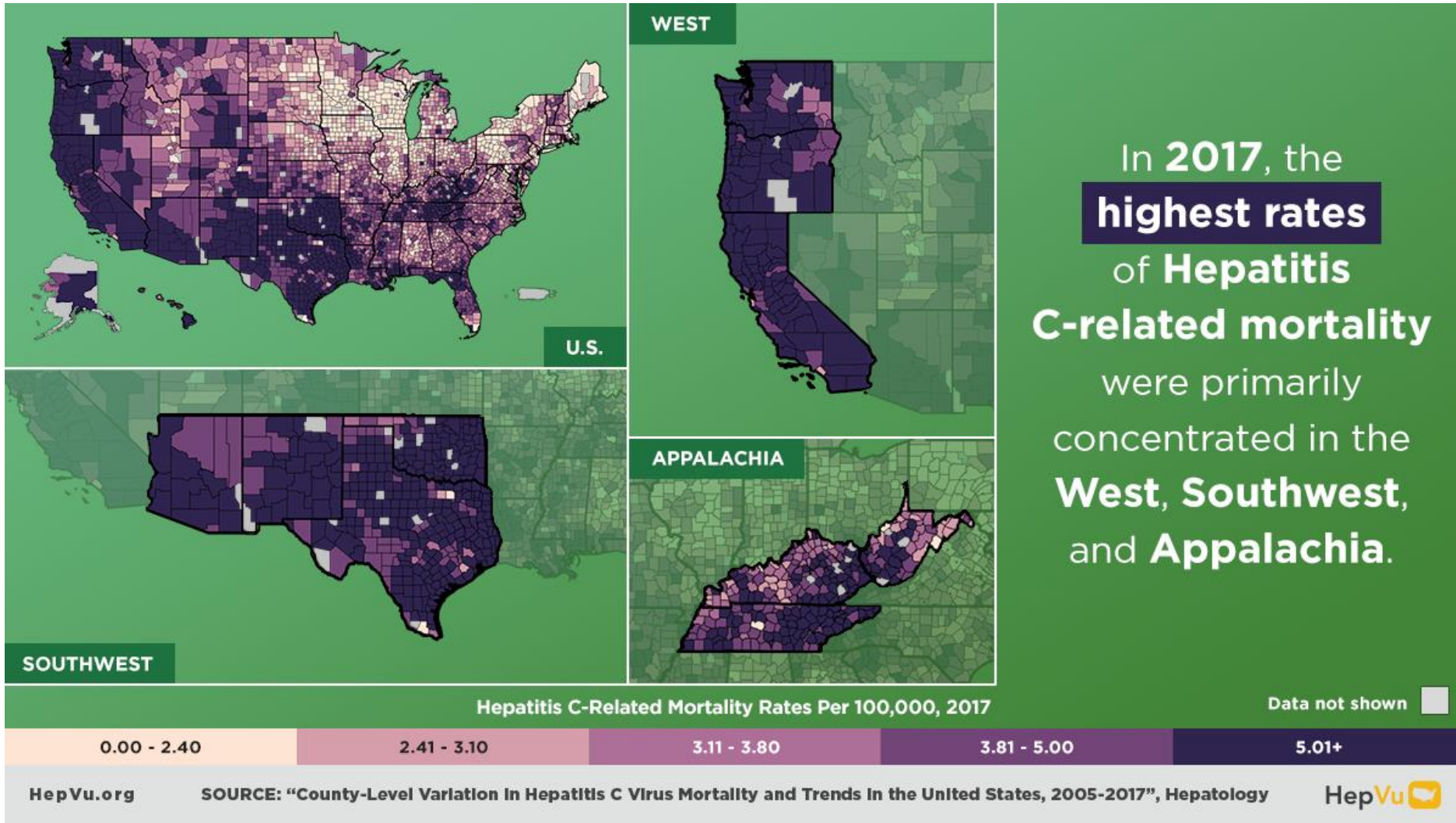
Rate of Deaths Related to Hepatitis C, 2017



Highlights



Highlights



Highlights

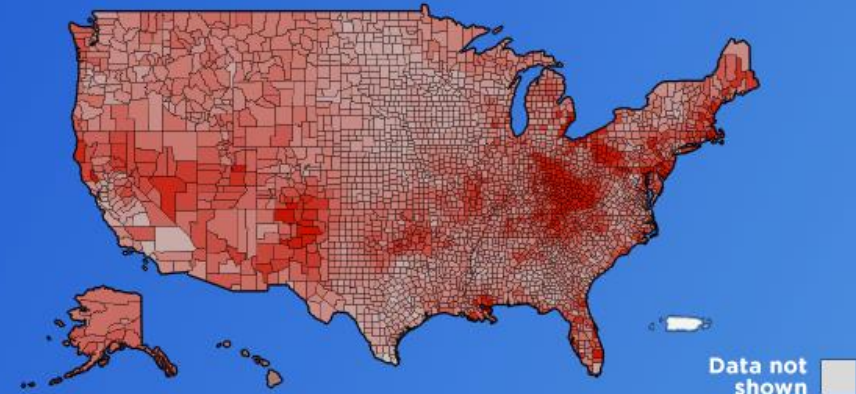
In **2017**, the **highest rates** of **Hepatitis C-related deaths** among **people under 40** occurred in **New Mexico, Oklahoma, and Appalachia**.

The rates in the **central Appalachian** region continued to **increase** through 2017.

This region is also experiencing **increases** of **injection drug use** as a result of the **ongoing opioid epidemic**.

Opioid Risk Counties

Estimated Crude Death Rates for Drug Poisoning by County Per 100,000, 2017

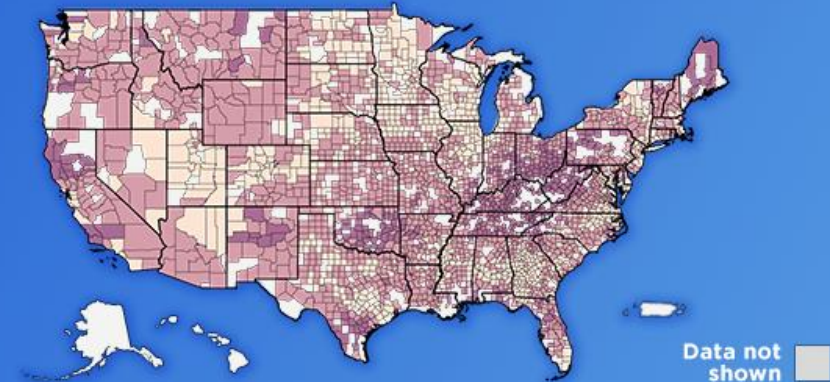


0.00

40.00

Mortality under 40

Hepatitis C-Related Mortality Rates Among Under 40 Per 100,000, 2017



0.00 - 0.20

0.21 - 0.30

0.31 - 5.20

5.21 - 8.50

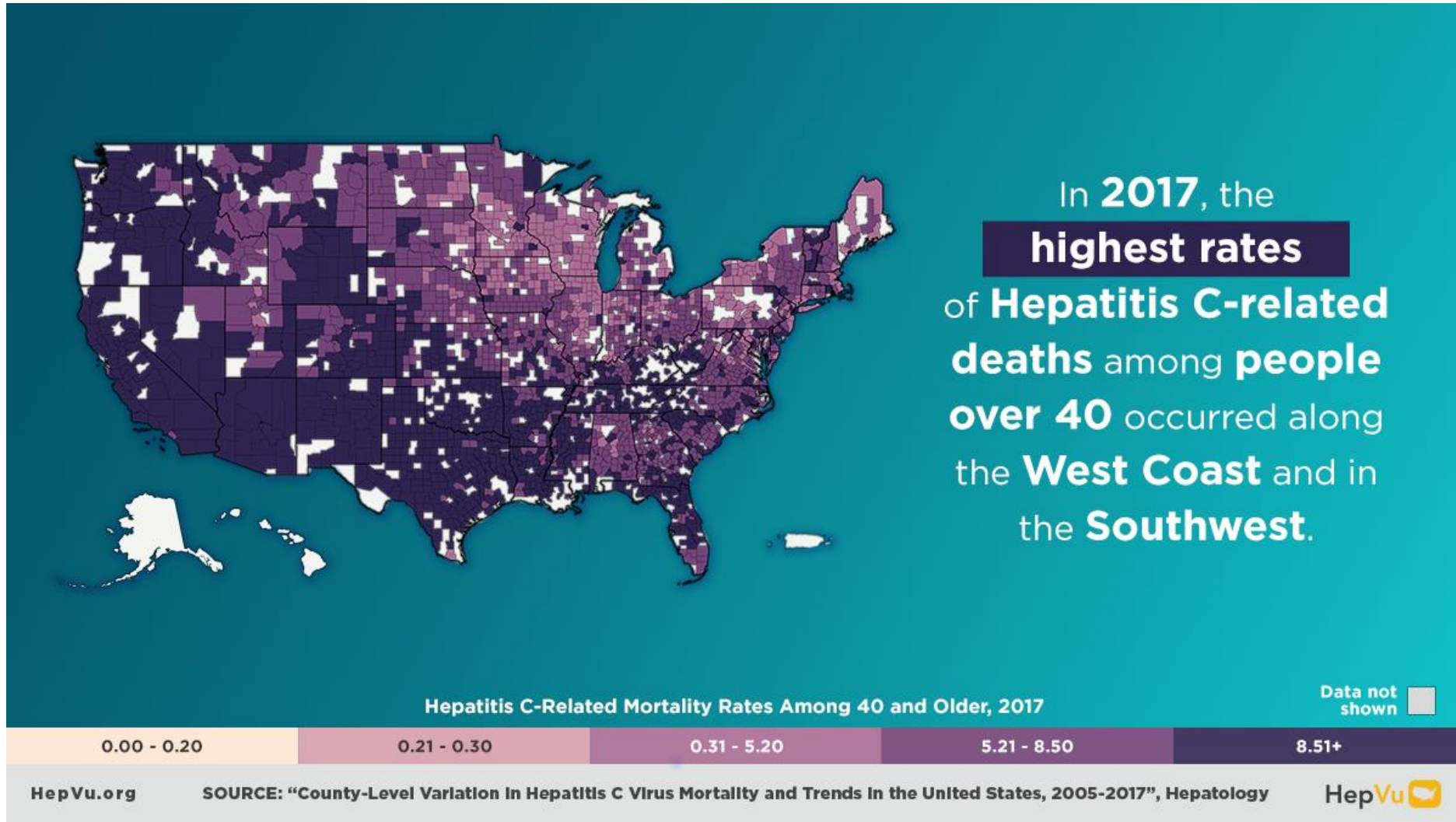
8.51+

HepVu.org

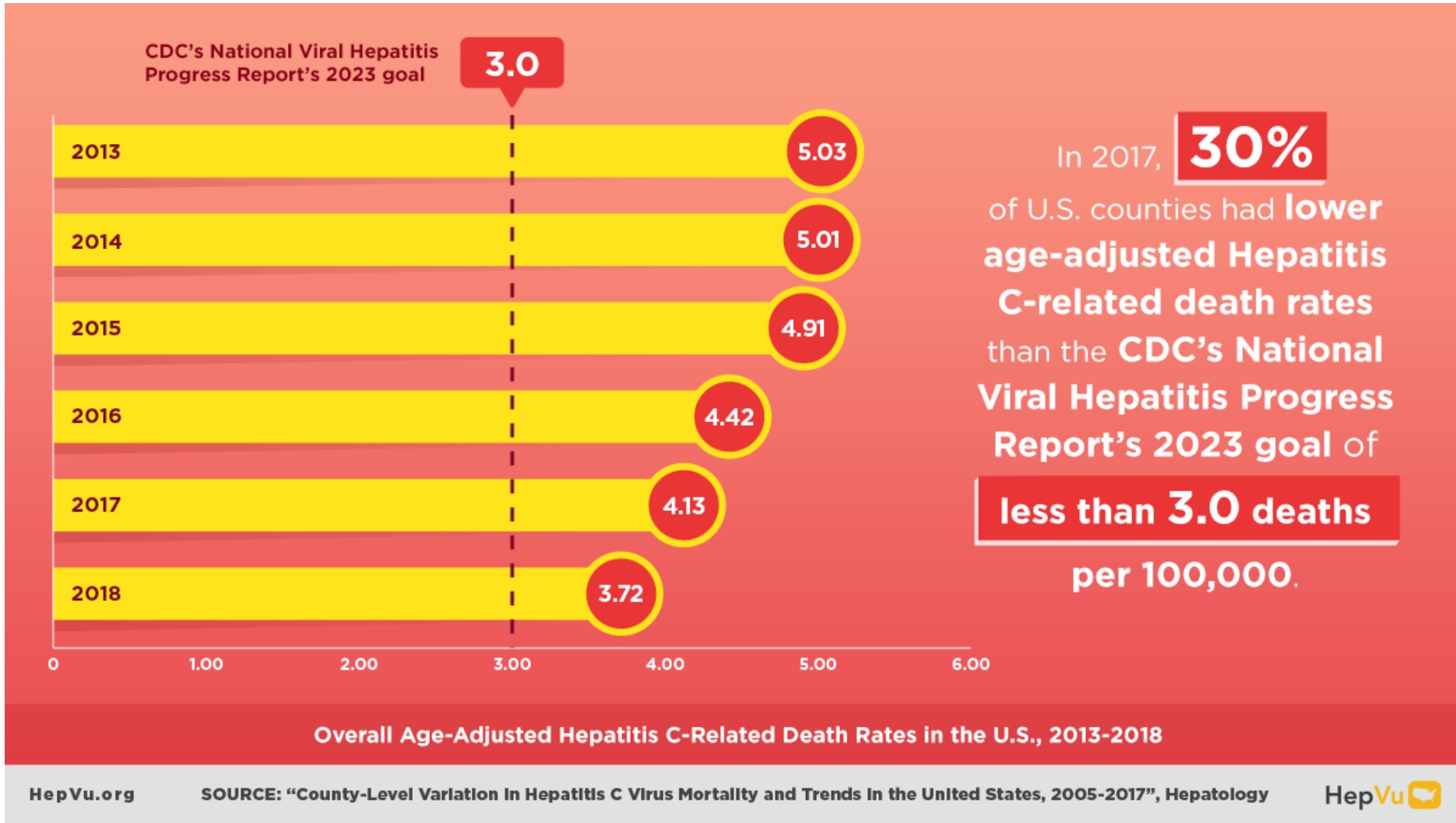
SOURCES: "County-Level Variation in Hepatitis C Virus Mortality and Trends in the United States, 2005-2017"; Centers for Disease Control and Prevention, NCHS, National Vital Statistics System, Mortality Data

HepVu 

Highlights



Highlights



HepVu Features and Site Overview

Navigating HepVu

VIEW DATA BY:

COUNTY

STATE

SELECT A DATASET:

Hepatitis C Prevalence

RATES

CASES

FILTERS:

Age

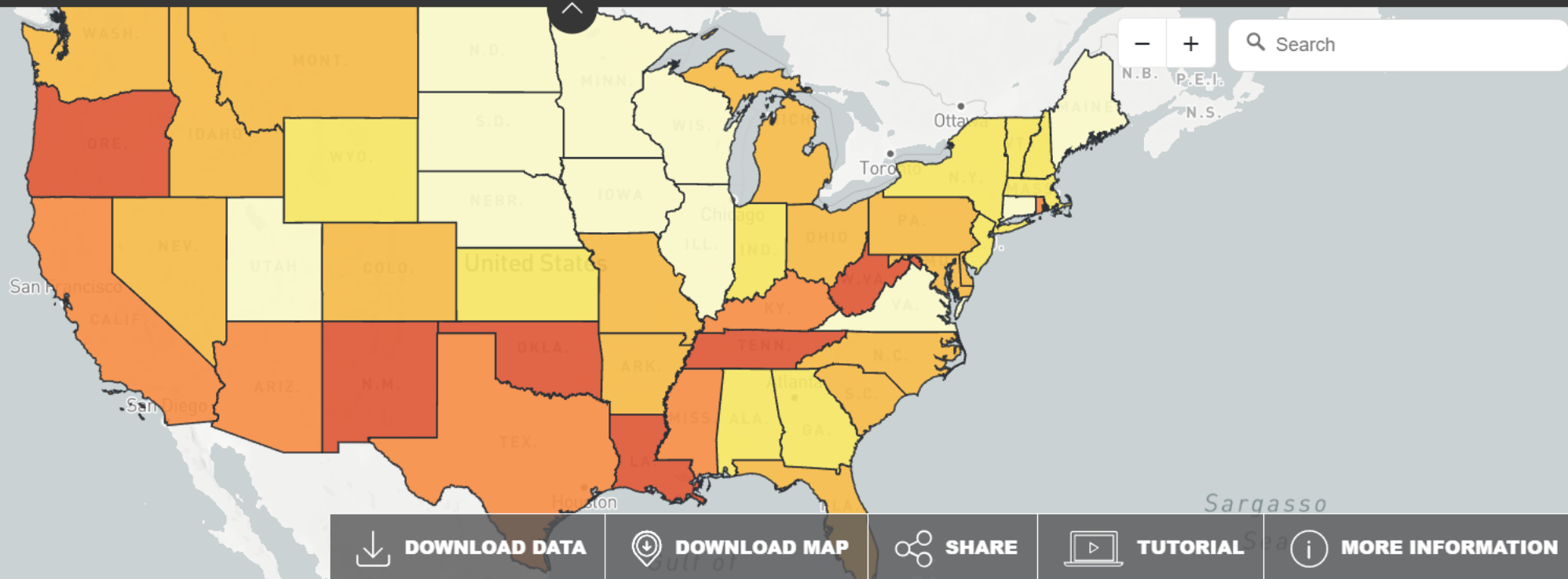
Sex

Race

Data Comparison

Overlays

CLEAR



mapbox CART



DOWNLOAD DATA



DOWNLOAD MAP



SHARE



TUTORIAL



MORE INFORMATION

Estimated Rate of People Living with Hepatitis C, 2013-2016

0 - 650

651 - 850

851 - 1,000

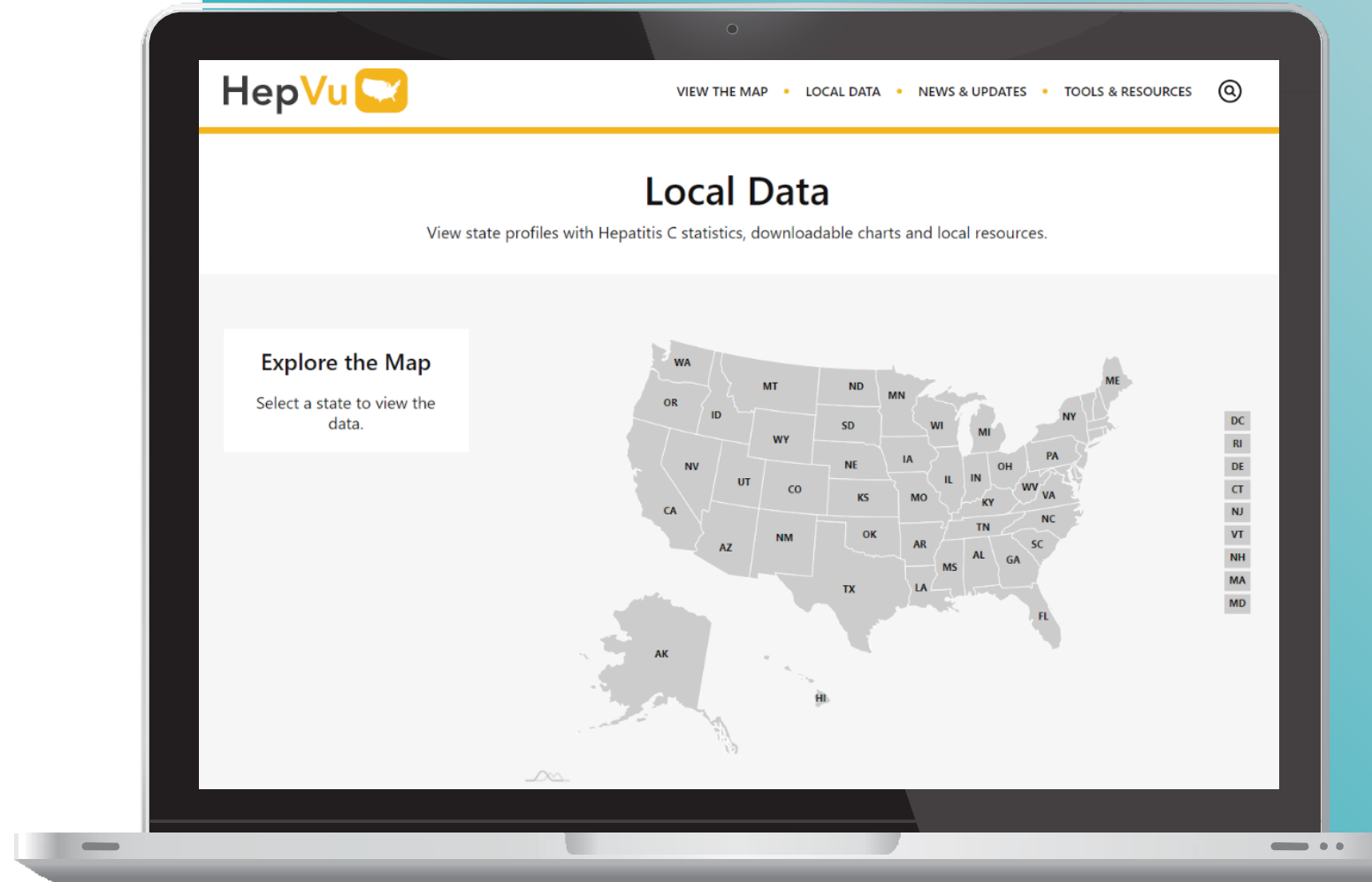
1,001 - 1,250

1,251+

Local Data Profiles

Hepatitis C data included on local data profiles at the state-level

- Hepatitis C Prevalence (2013-2016)
- Hepatitis C Mortality (2017)
- Data Stratifications
 - Sex
 - Race
- Opioid Indicators
- Social Determinants of Health
 - Education
 - Income Inequality
 - Poverty
 - Median Household Income
 - People without health insurance



Deeper Looks

Comprehensive Resource on the Opioid Epidemic and Hepatitis C

- Infographics
- Guest Blogs
- Local Statistics
- Downloadable Data
- Maps

HepVu also features a Deeper Look on viral hepatitis elimination plans in the U.S.

HOME | TOOLS & RESOURCES | DEEPER LOOK: OPIOIDS

Deeper Look: Opioids

The opioid crisis is one of the greatest public health challenges facing the U.S., causing an unprecedented surge in drug overdose deaths, and fueling the rapid rise in new Hepatitis C infections from injection drug use in communities across the country.

The opioid crisis is one of the greatest public health challenges facing the U.S., causing an unprecedented surge in drug overdose deaths, and fueling the rapid rise in new Hepatitis C infections from injection drug use in communities across the country.

As opioid abuse rates have skyrocketed, new Hepatitis C infections have also increased. Data on HepVu show that an estimated 2.3 million Americans were living with Hepatitis C between 2013 and 2016. Though the majority, or roughly three-fourths, of all infections were among Baby Boomers (those born between 1945 and 1965), there has been a spike in new Hepatitis C infections among younger Americans.

The number of new Hepatitis C infections more than tripled from 2010 to 2016, largely reflecting infections due to the rise in injection drug use. This has created a syndemic, in which the opioid and Hepatitis C epidemics are linked - with the burden of Hepatitis C being directly exacerbated by injection drug use.

The Opioid Epidemic

In 2017, the U.S. Department of Health and Human Services (HHS) declared a public health state of emergency due to the opioid epidemic. Opioids are highly addictive and include prescription pain relievers, synthetic compounds such as fentanyl, and illegal drugs such as heroin. From 2002 to 2017, the number of deaths due to opioid abuse have more than quadrupled. The opioid epidemic's growth even contributed to a decrease in annual U.S. life expectancy, which declined to 78.5 years in 2016 primarily due to increases in suicides and opioid-related overdose deaths.

The Syndemic

A syndemic refers to two or more interrelated epidemics that are mutually reinforcing and interact in a way that amplifies the overall burden of disease. Although not all people who abuse opioids inject drugs, people who inject drugs are at significantly higher risk of transmission of blood-borne viruses, including HIV and Hepatitis C.

Hepatitis C and HIV can be transmitted by sharing needles, syringes, water, alcohol swabs, and other equipment used to inject drugs. Nearly 75 percent of people with HIV who inject drugs are also infected with Hepatitis C. As younger Americans engage in injection drug use, there is also a greater risk of women of childbearing age contracting Hepatitis C and pregnant women exposing their babies to the virus.

The Centers for Disease Control and Prevention (CDC) recommends routine HIV and viral hepatitis screening for people who inject drugs. Additionally, prevention efforts, such as syringe service programs and substance use treatment services, can slow the growth in the number of new Hepatitis C and HIV infections due to injection drug use. By identifying new infections early, patients can be treated for HIV, or cured of Hepatitis C, and stop additional infections from occurring.

Share

Share our infographics with your networks to help raise awareness and understanding of the link between opioids and Hepatitis C.

4 Ways to Use HepVu

Explore Interactive Maps

- Opioid Prescriptions**
The rate of retail opioid prescriptions dispensed per 100 persons in 2017
[LEARN MORE](#)
- Narcotic Overdose Deaths**
The rate of drug overdose related deaths per 100,000 persons from 2013 to 2016
[LEARN MORE](#)
- Pain Reliever Misuse**
The percentage of persons misusing prescription pain relievers, averaged from 2015 to 2016
[LEARN MORE](#)

View Local Statistics

View local statistics for your state, and download high impact data visualizations for your work
[SEE THE DATA](#)

- Hepatitis C Prevalence
- Hepatitis C Mortality
- Additional Data
- Archived Data

Download Data

[SEE THE DATA](#)

Learn From Experts

Experts weigh in on the opioid epidemic and the resulting syndemic in HepVu's blog series.

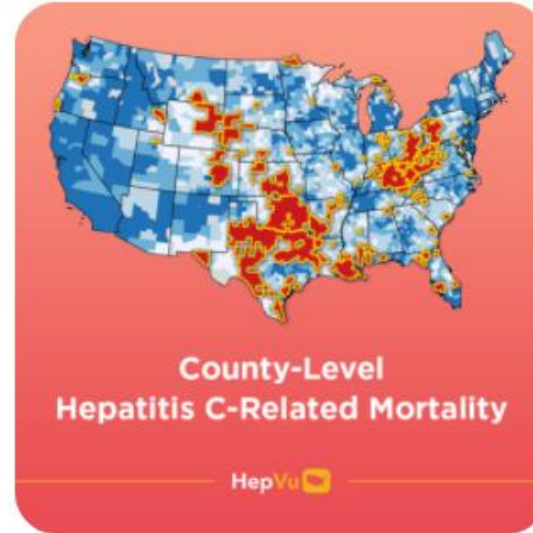
- MAY 29, 2018**
Yu Q&A: The Opioid Epidemic and Viral Hepatitis in Appalachia
[READ MORE](#)
- JANUARY 10, 2019**
Addressing Increases in Hepatitis C Infections Linked to the Opioid Epidemic
[READ MORE](#)
- JANUARY 15, 2019**
Yu Q&A: The Opioid Epidemic's Impact on Hepatitis C in the U.S.
[READ MORE](#)

For More Information

Additional information about the opioid and Hepatitis C epidemics can be found at the following resources:

- U.S. Centers for Disease Control and Prevention**
Opioid Overdose: Understanding the Epidemic
[LEARN MORE](#)
- National Institute on Drug Abuse**
Brief description of opioids
[LEARN MORE](#)
- amFAR Opioid & Health Indicators Database**
[LEARN MORE](#)
- U.S. Centers for Disease Control and Prevention**
Increase in Hepatitis C Infections Linked to worsening opioid crisis
[LEARN MORE](#)
- Surgeon General Facing Addiction in America: The Surgeon General's Spotlight on Opioids (PDF)**
[LEARN MORE](#)

Expert Q&A Blogs



MARCH 3, 2021

Hepatitis C-Related Mortality in the U.S. at the County-Level

[READ MORE](#)

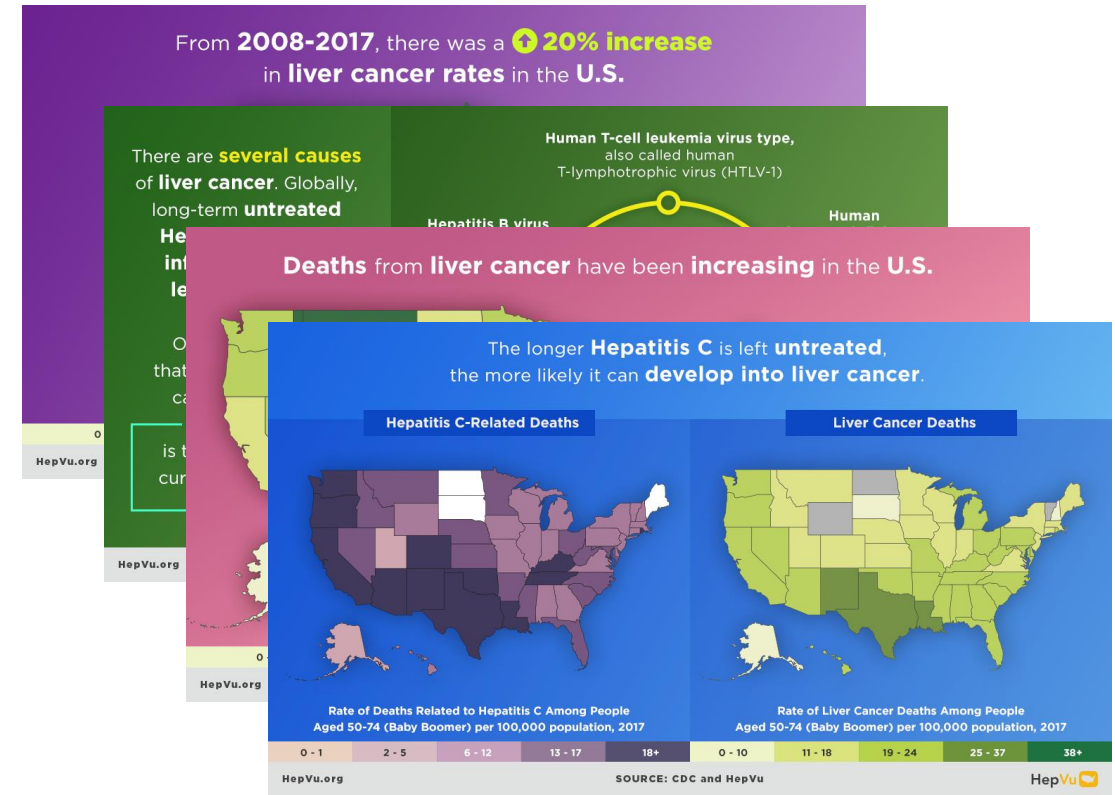


MARCH 3, 2021

HepVu Q&A: Dr. Eric Hall on County-Level Hepatitis C-Related Mortality Trends in the U.S.

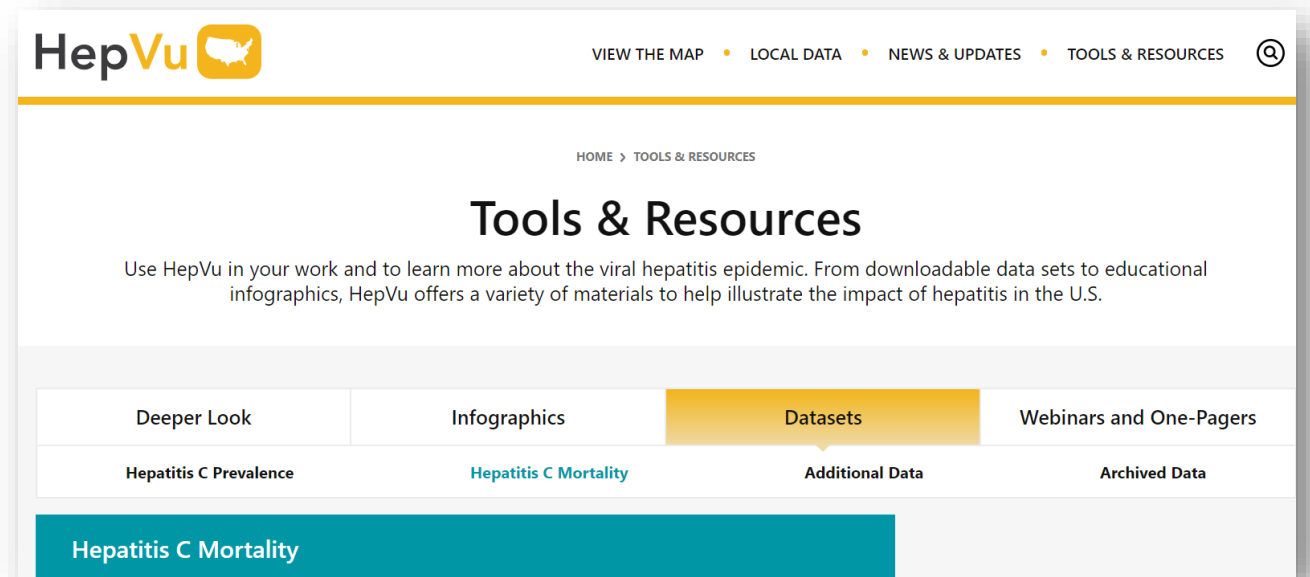
[READ MORE](#)

Infographics



Downloadable Data Sets

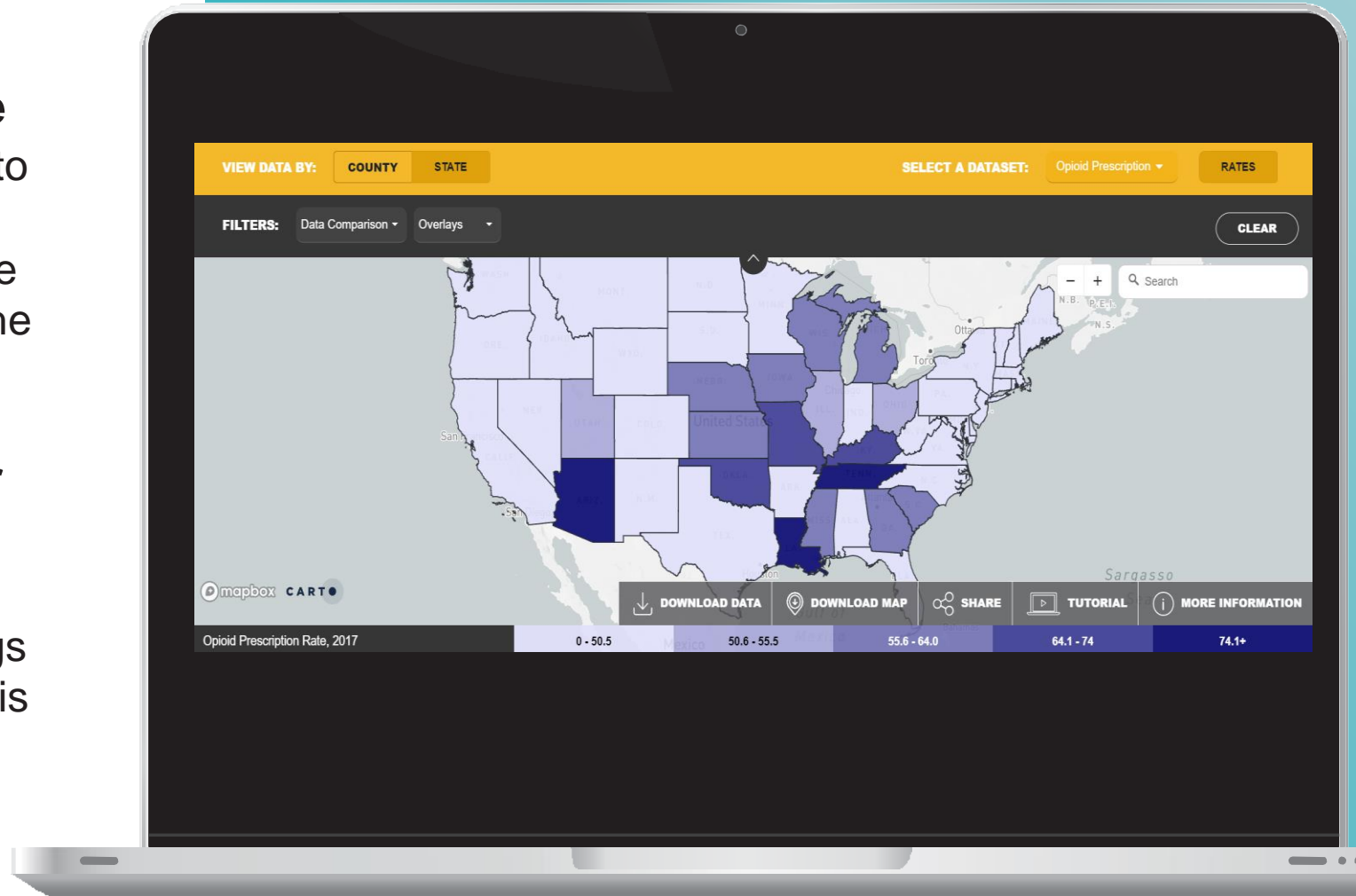
- Downloadable Hepatitis C Mortality datasets
- These datasets can be used by researchers, health departments, or others for their own analyses



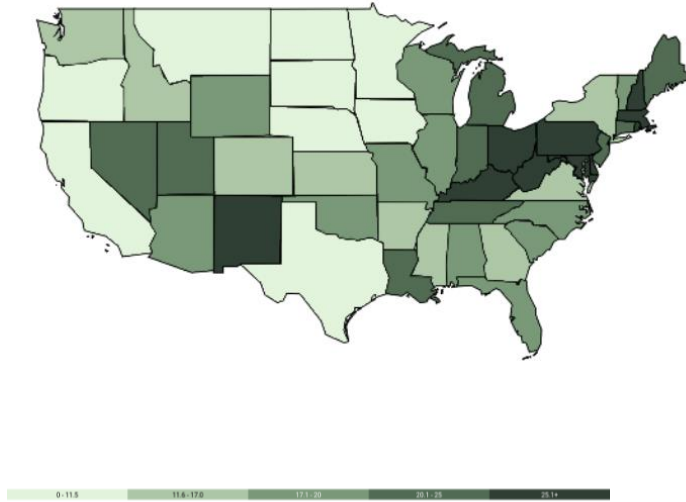
The screenshot shows the HepVu website's 'Tools & Resources' page. The navigation bar includes 'VIEW THE MAP', 'LOCAL DATA', 'NEWS & UPDATES', and 'TOOLS & RESOURCES'. The main heading is 'Tools & Resources', with a sub-heading 'HOME > TOOLS & RESOURCES'. A descriptive paragraph states: 'Use HepVu in your work and to learn more about the viral hepatitis epidemic. From downloadable data sets to educational infographics, HepVu offers a variety of materials to help illustrate the impact of hepatitis in the U.S.' Below this is a grid of resource categories: 'Deeper Look', 'Infographics', 'Datasets' (highlighted), and 'Webinars and One-Pagers'. Under 'Datasets', there are links for 'Hepatitis C Prevalence', 'Hepatitis C Mortality' (highlighted), 'Additional Data', and 'Archived Data'. A teal banner at the bottom of the grid reads 'Hepatitis C Mortality'.

Intersection of Opioids and Hepatitis C

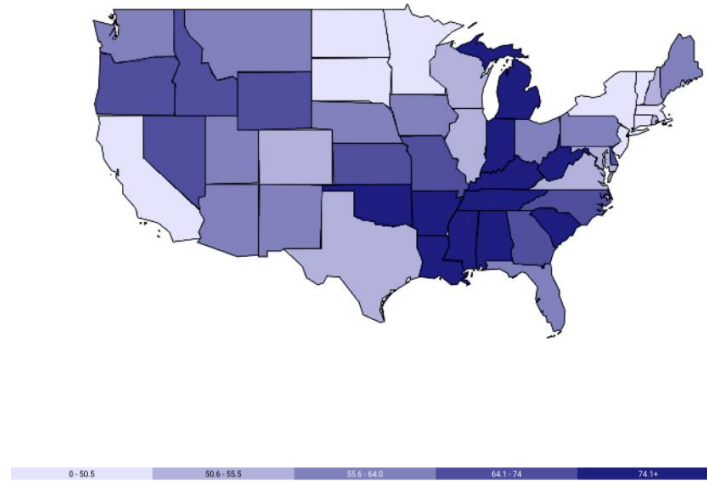
- **Focus on the intersection of the hepatitis and opioid epidemics** to inform public health decision-making and raise greater awareness about the infectious disease consequences of the opioid epidemic
- **Maps, infographics, and Deeper Look page illustrate how opioid misuse** – and the sharing of needles or other equipment used to inject drugs – are driving new infections of Hepatitis C and other blood-borne viruses



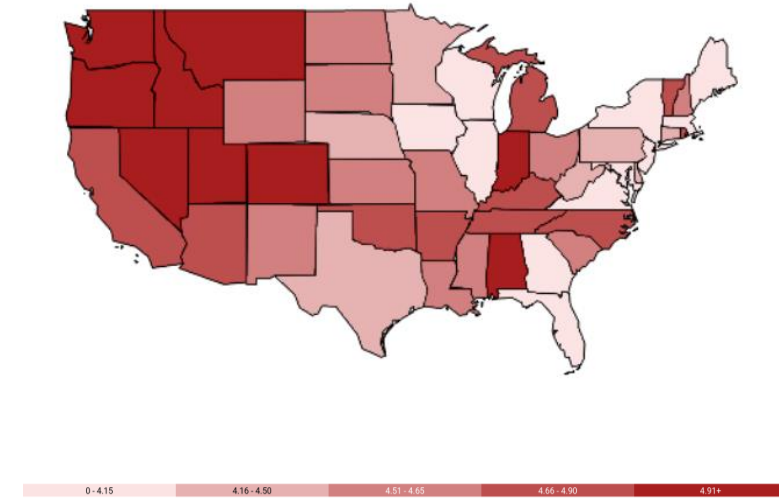
Opioid Maps



**Narcotic Overdose Mortality
Rate
2013-2016**

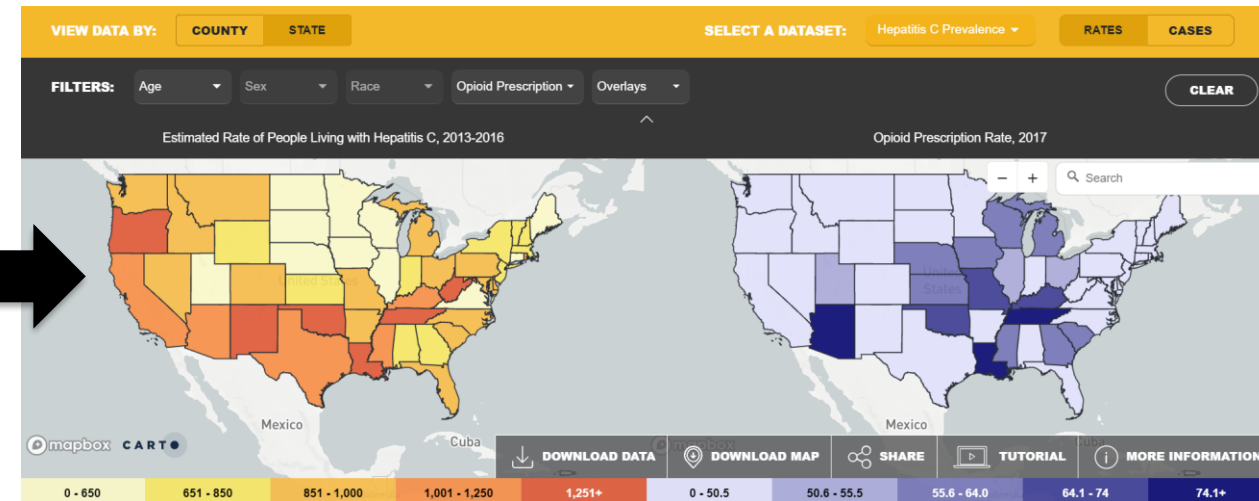
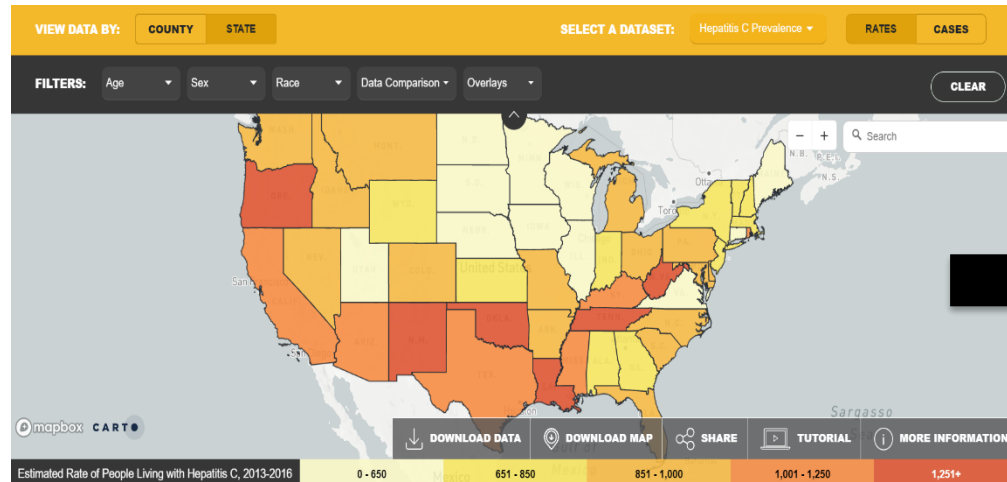


**Opioid Prescription
Rate
2017**



**Pain Reliever Misuse
Percent
2015-2016**

Comparing Data



- View the prevalence of Hepatitis C in the U.S. stratified by age, sex, race, and social determinants alongside opioid maps.
- Print custom map views and develop a widget to embed the maps directly into a website

Learn more at HepVu.org

 info@hepvu.org

 [HepVu](#)

 [@HepVu](#)

Subscribe to periodic updates at [HepVu.org](#)!

Questions?

Please visit www.latinoaids.org and follow **@LatinoCommAIDS** on Twitter.

Thank you for joining!