

# **AIDSVu: Interactive Maps to Visualize the U.S. HIV Epidemic**

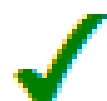
**Patrick Sullivan  
Rollins School of Public Health  
Emory University**

**CFAR ECHHP Meeting  
November 20, 2012**

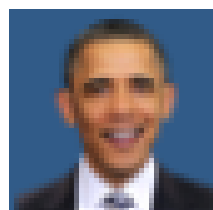
# Presidential results

POPULAR VOTE

99% in



**Barack  
Obama**



**51%**

**62,615,406**

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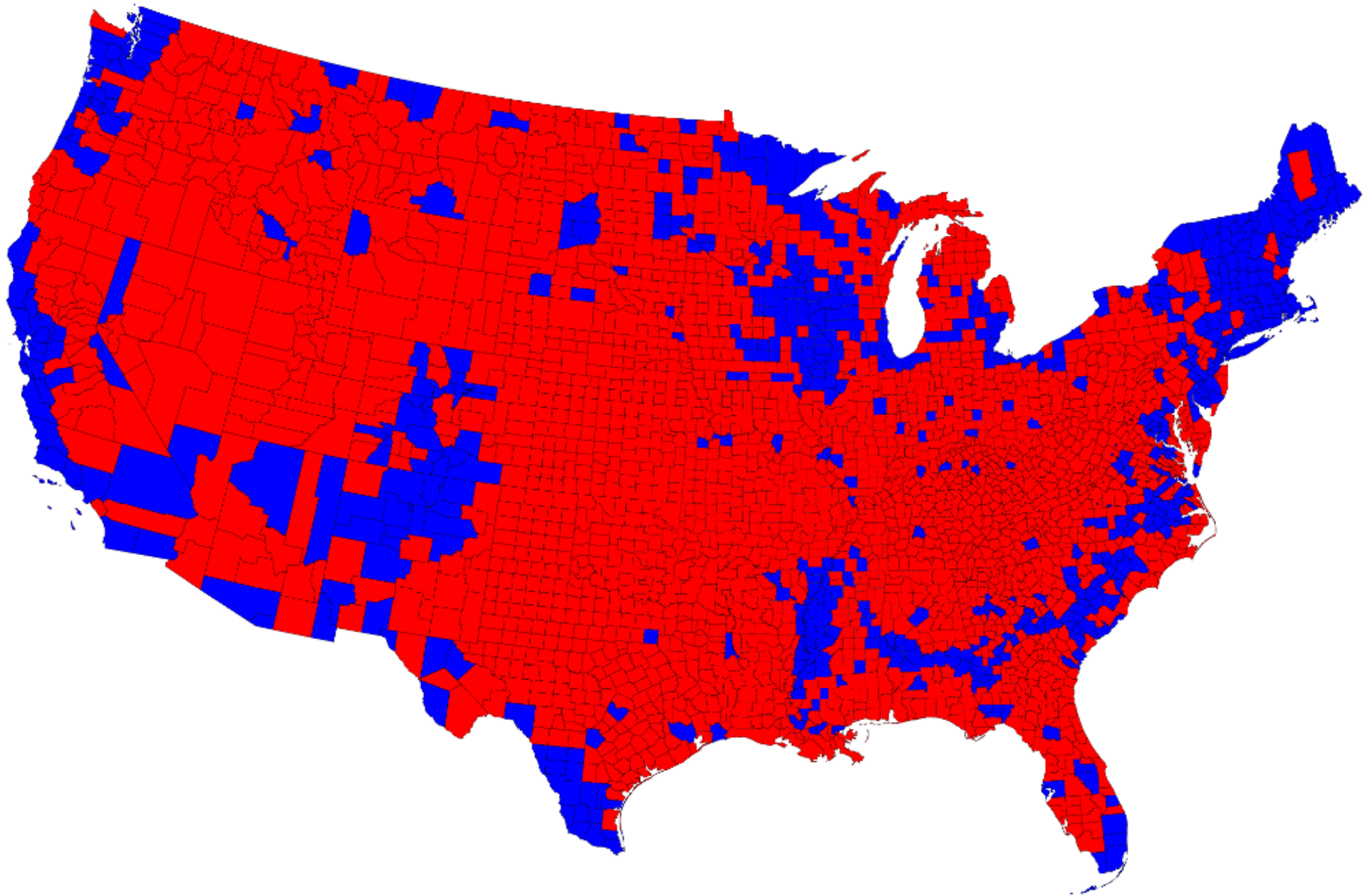
**Mitt  
Romney**

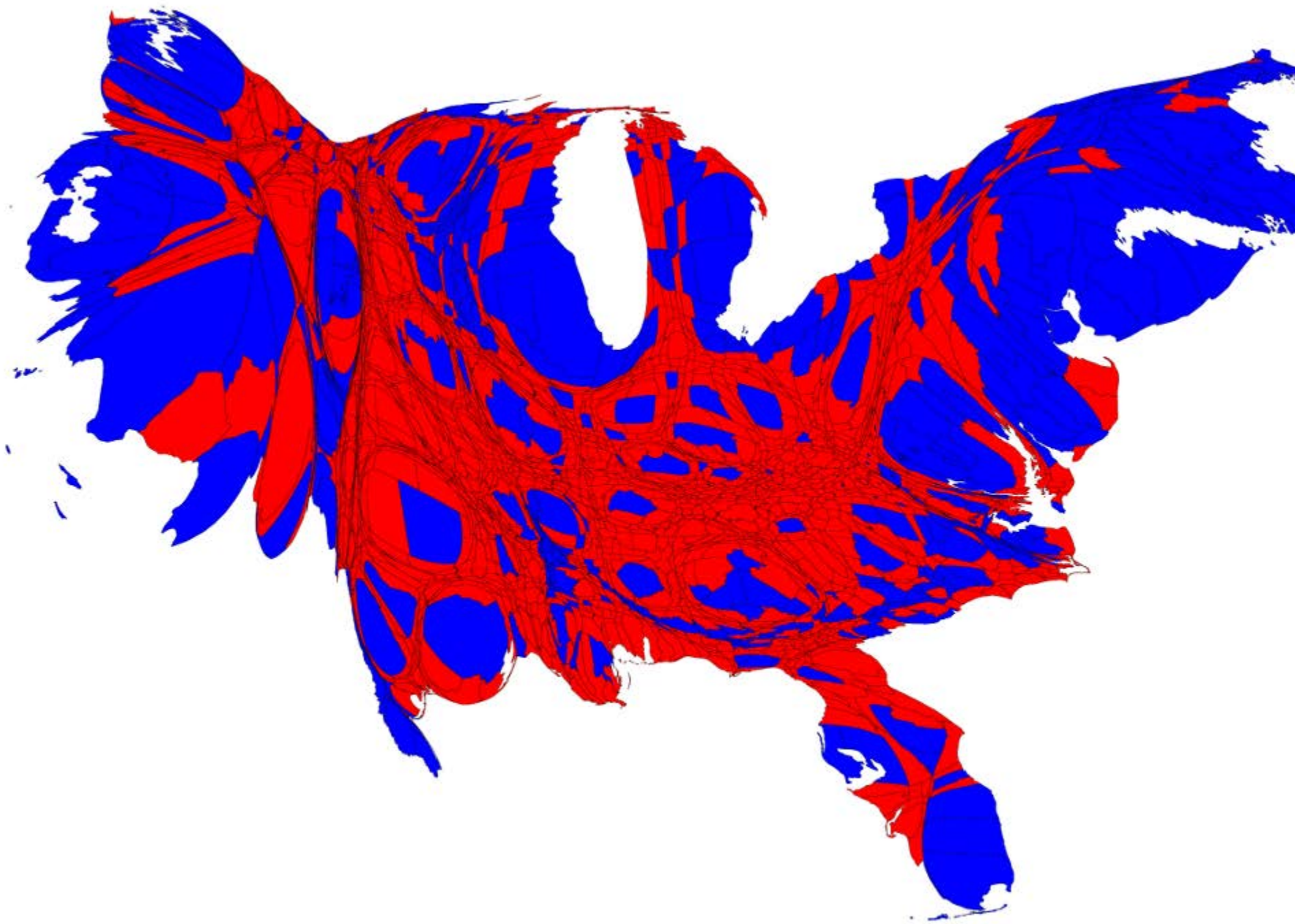


**48%**

**59,142,004**







# AIDSVu Overview

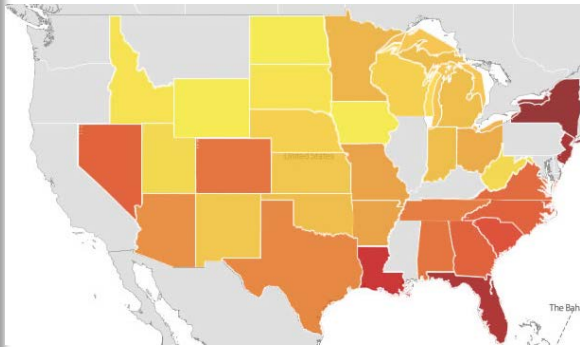
- AIDSVu's mission is to make HIV prevalence data widely accessible and locally relevant by mapping it at national, state and local levels
- AIDSVu seeks to provide users with a visual way to connect with this complex information
- AIDSVu aims to be a resource -- and provide resources -- for a range of users
- AIDSVu is an academic/public/private partnership

# AIDSVu 2012 - Audiences

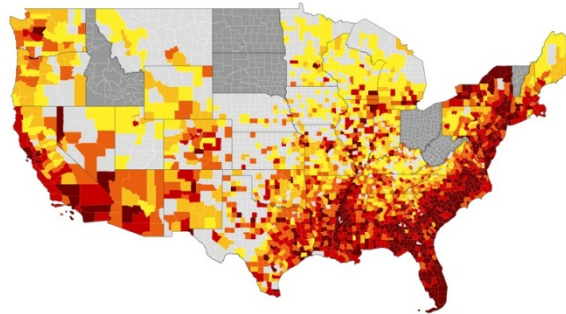
- High-Interest Audiences
- Health Care Providers
- General Public

# Evolution of AIDS Vu

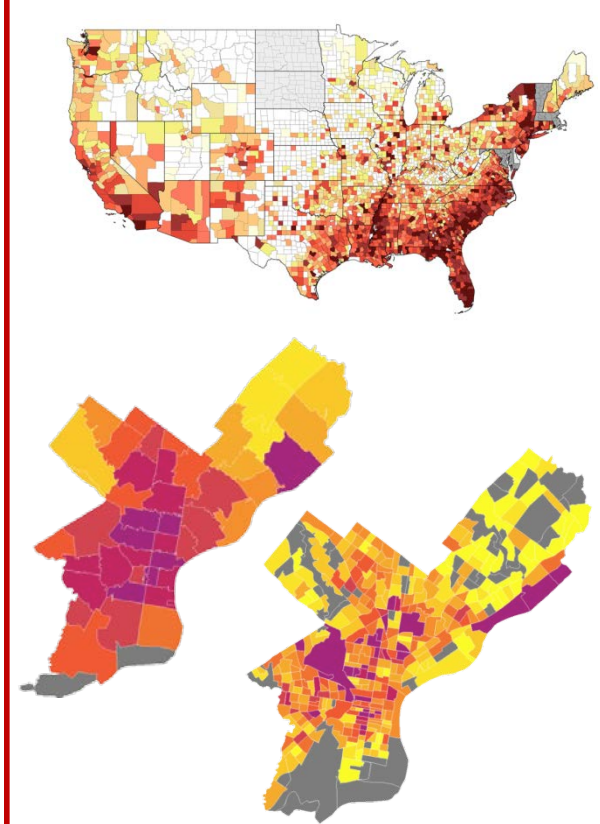
2010



2011



2012







Display rates for 2009 by ZIP Code

2009 Rate of adults/adolescents living with an HIV or AIDS diagnosis per 100,000 population.

- 0 to 133
  - 134 to 197
  - 198 to 269
  - 270 to 362
  - 363 to 477
  - 478 to 646
  - 647 to 966
  - 967 to 1,433
  - 1,434 to 2,295
  - 2,296+
- Data not shown\*

Overall / Race / Age / Sex

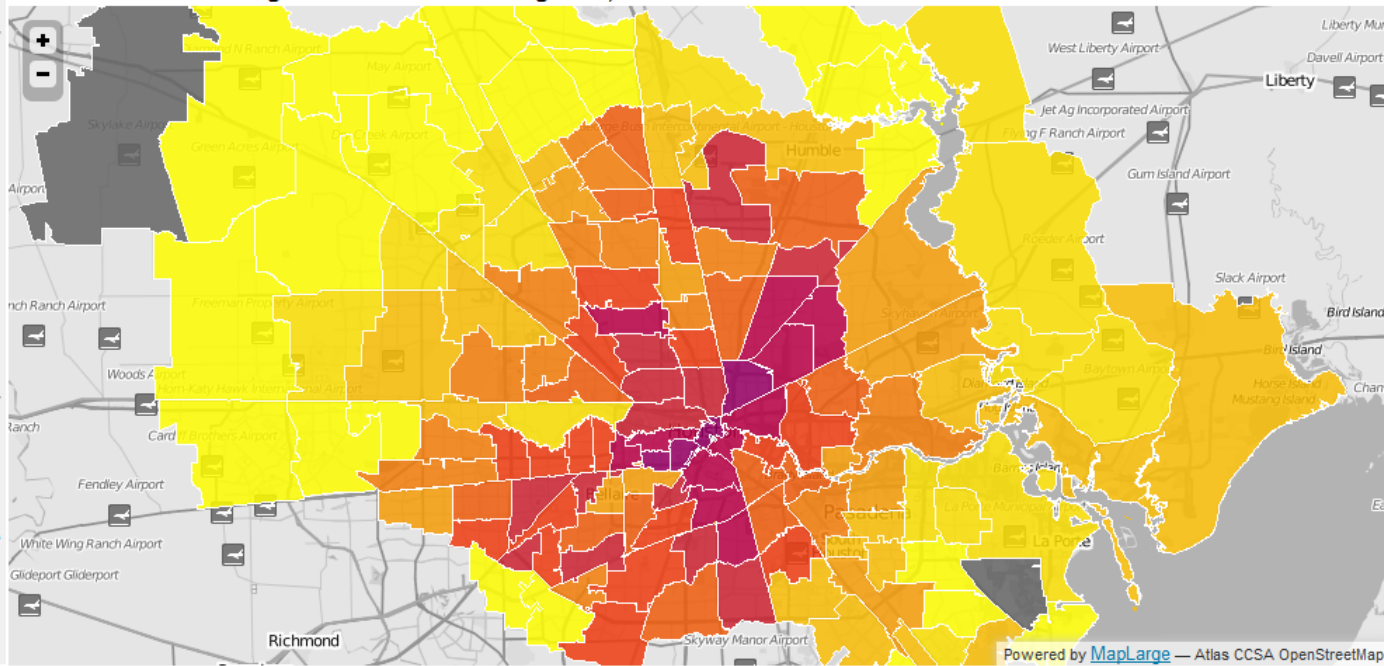
Overall

HIV Testing, Prevention, and Treatment Sites

[Where do these data come from?](#)

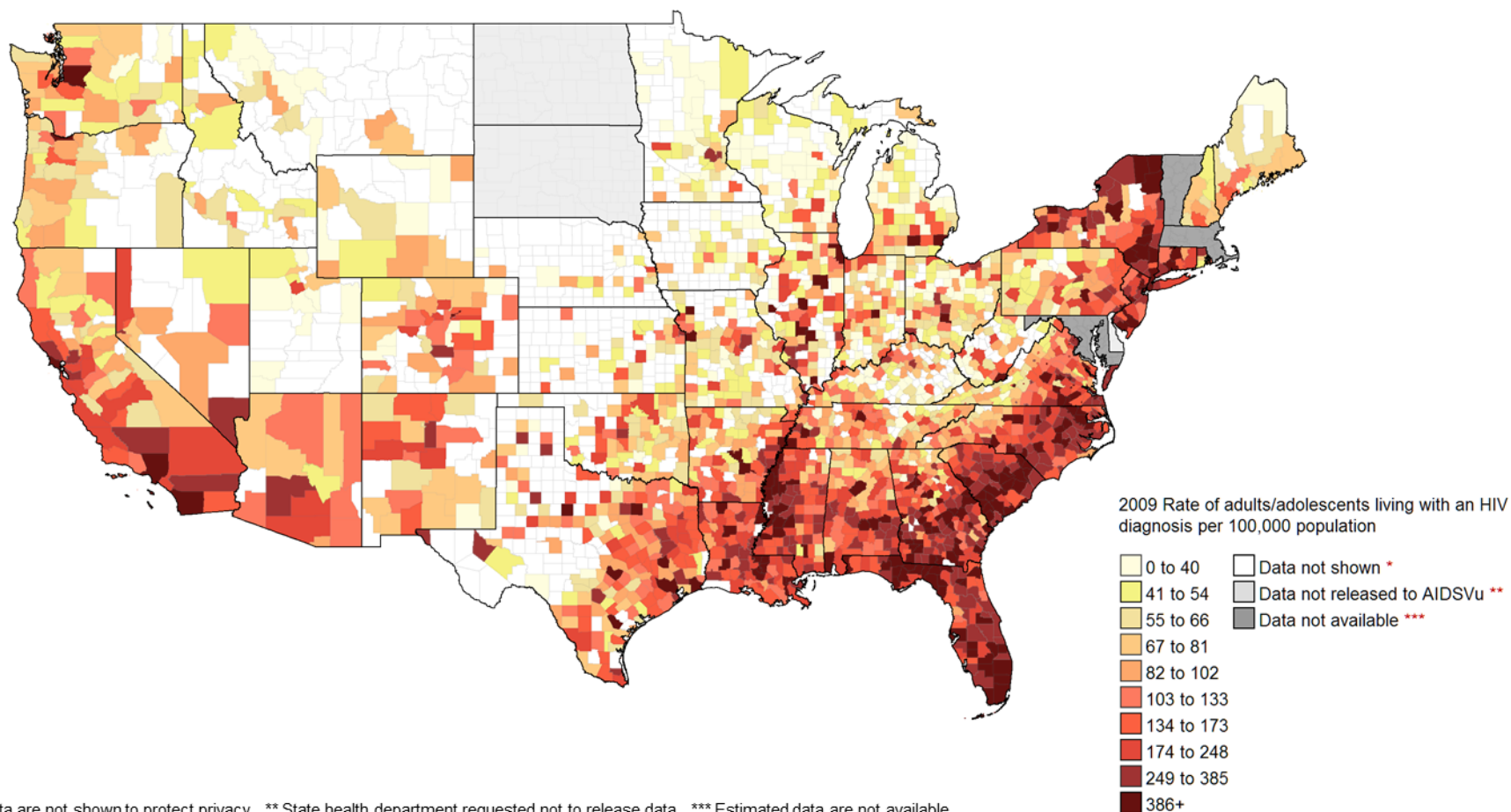
Houston - Persons Living with an HIV or AIDS Diagnosis, 2009

Select City



\* Data are not shown to protect privacy because of a small number of cases and/or a small population size. See [Data Methods](#).  
 NOTE: Data represent persons living with an HIV or AIDS diagnosis in the city of Houston and/or Harris County at the end of 2009 and who were reported as of 03-25-2012. For a ZIP code sharing

# Rates of Persons Living with an HIV Diagnosis, by County, 2009



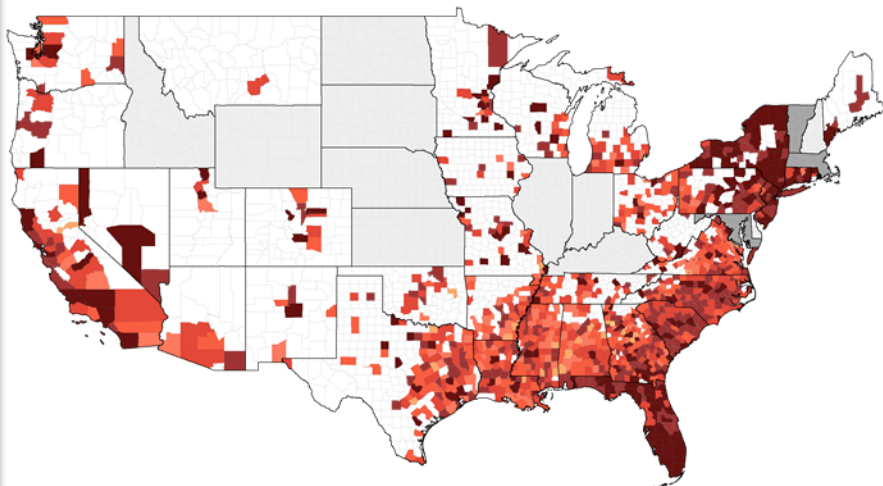
\* Data are not shown to protect privacy. \*\* State health department requested not to release data. \*\*\* Estimated data are not available.

Note. Data include persons with a diagnosis of HIV infection, regardless of the stage of disease at diagnosis, and have been statistically adjusted to account for reporting delays and missing risk-factor information, but not for incomplete reporting.

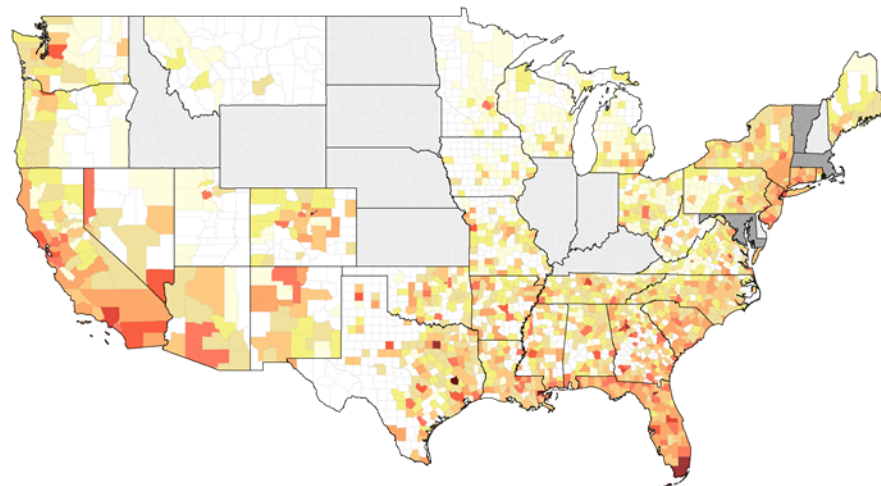
Data Source: Centers for Disease Control and Prevention, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention, Division of HIV/AIDS Prevention.

# Rates of Black & White Persons Living with an HIV Diagnosis, by County, 2009

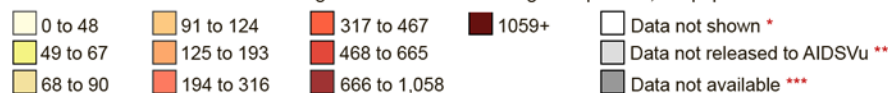
**Black Rates**



**White Rates**



2009 Rate of adults/adolescents living with an HIV or AIDS diagnosis per 100,000 population.

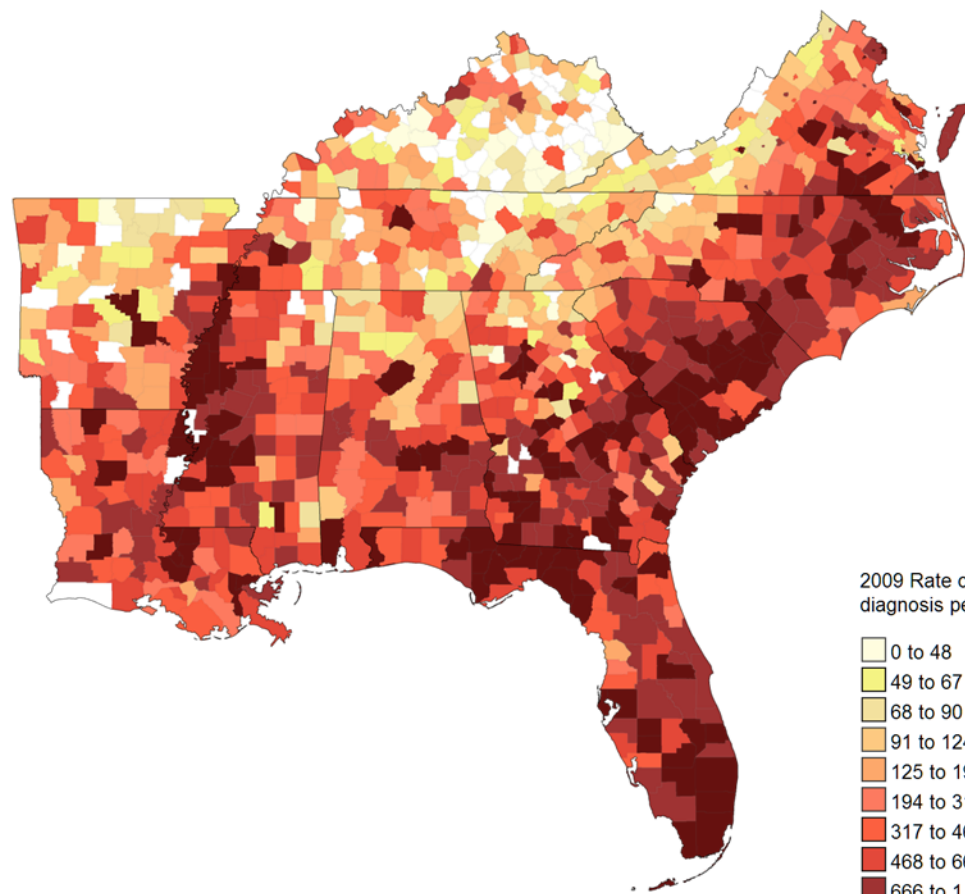


\* Data are not shown to protect privacy. \*\* State health department requested not to release data. \*\*\* Estimated data are not available.

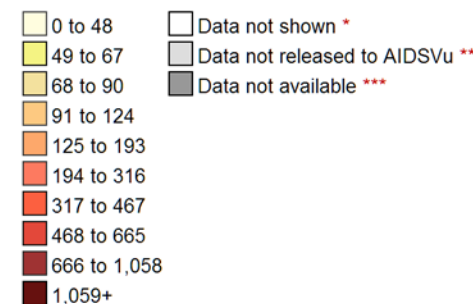
Note. Data include persons with a diagnosis of HIV infection, regardless of the stage of disease at diagnosis, and have been statistically adjusted to account for reporting delays and missing risk-factor information, but not for incomplete reporting.

Data Source: Centers for Disease Control and Prevention, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention, Division of HIV/AIDS Prevention.

# Rates of Persons Living with an HIV Diagnosis, by County, Southeastern U.S., 2009



2009 Rate of adults/adolescents living with an HIV diagnosis per 100,000 population



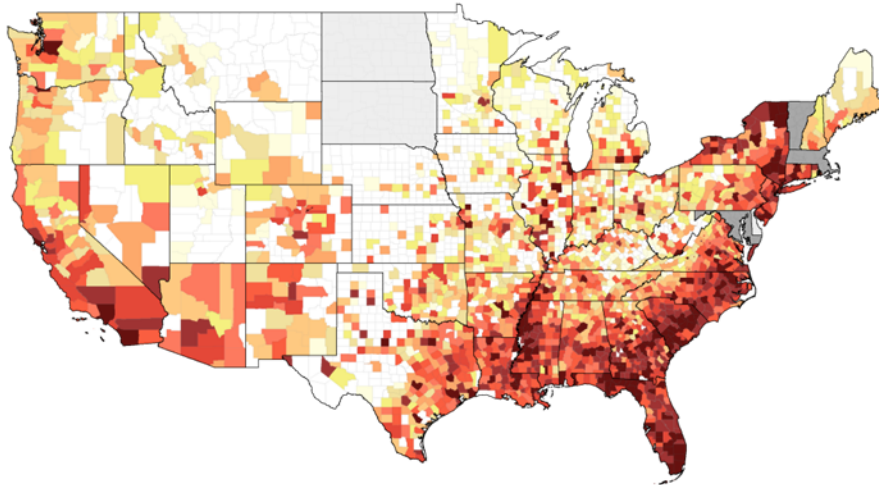
\* Data are not shown to protect privacy. \*\* State health department requested not to release data. \*\*\* Estimated data are not available.

Note. Data include persons with a diagnosis of HIV infection, regardless of the stage of disease at diagnosis, and have been statistically adjusted to account for reporting delays and missing risk-factor information, but not for incomplete reporting.

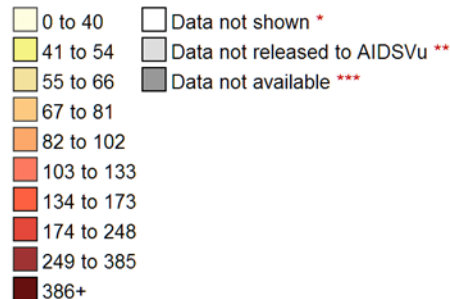
Data Source: Centers for Disease Control and Prevention, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention, Division of HIV/AIDS Prevention.

# Rates of Persons Living with an HIV Diagnosis & Percent of Population without Health Insurance, by County, 2009

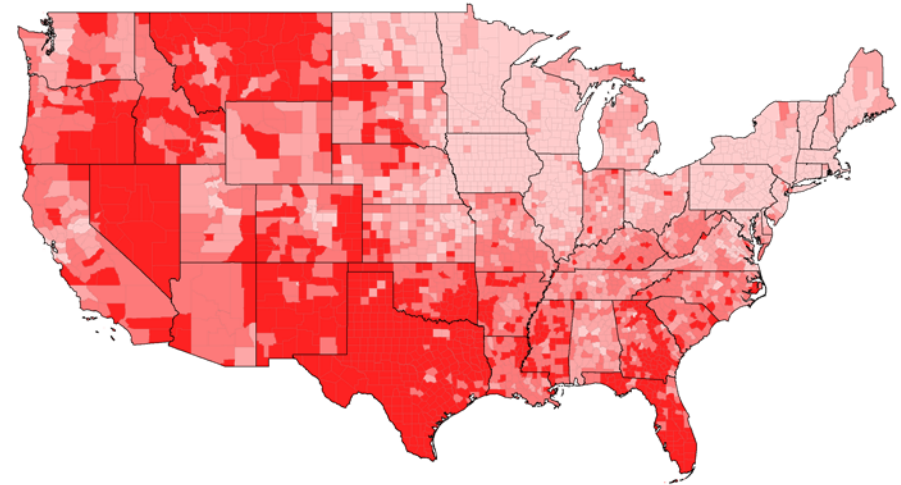
## Persons Living with an HIV Diagnosis



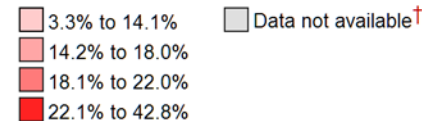
2009 Rate of adults/adolescents living with an HIV diagnosis per 100,000 population



## Population without Health Insurance



% Lacking Health Insurance, 2009



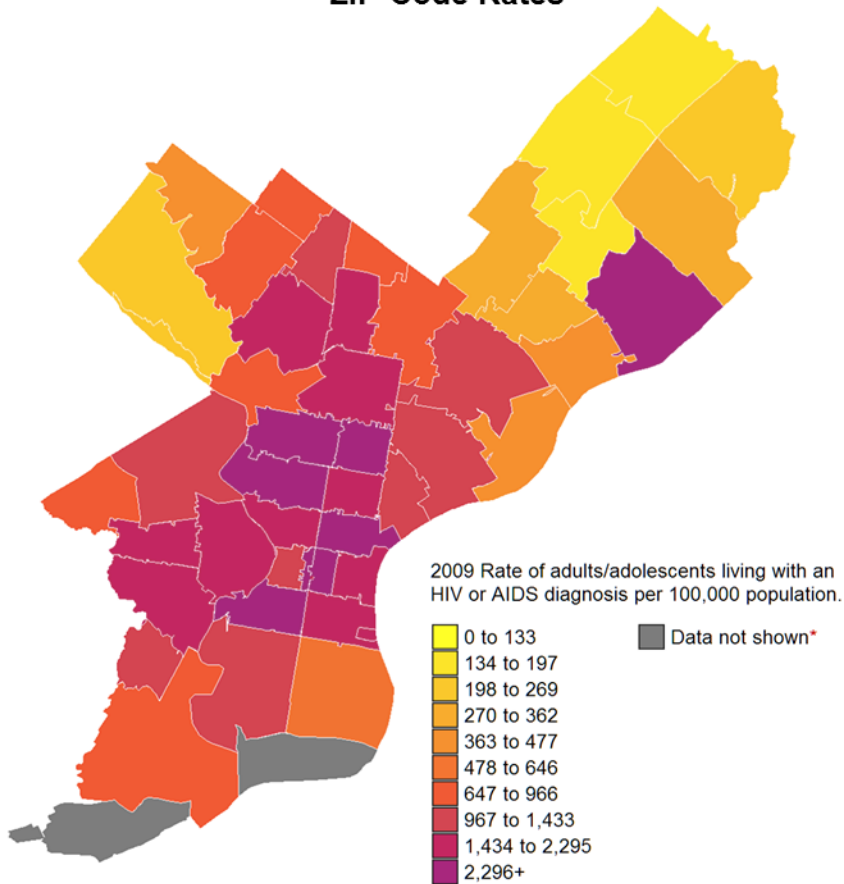
\* Data are not shown to protect privacy. \*\* State health department requested not to release data. \*\*\* Estimated data are not available.

Notes. Data include persons with a diagnosis of HIV infection, regardless of the stage of disease at diagnosis, and have been statistically adjusted to account for reporting delays and missing risk-factor information, but not for incomplete reporting. Health insurance data is only inclusive of persons aged 65 and younger.

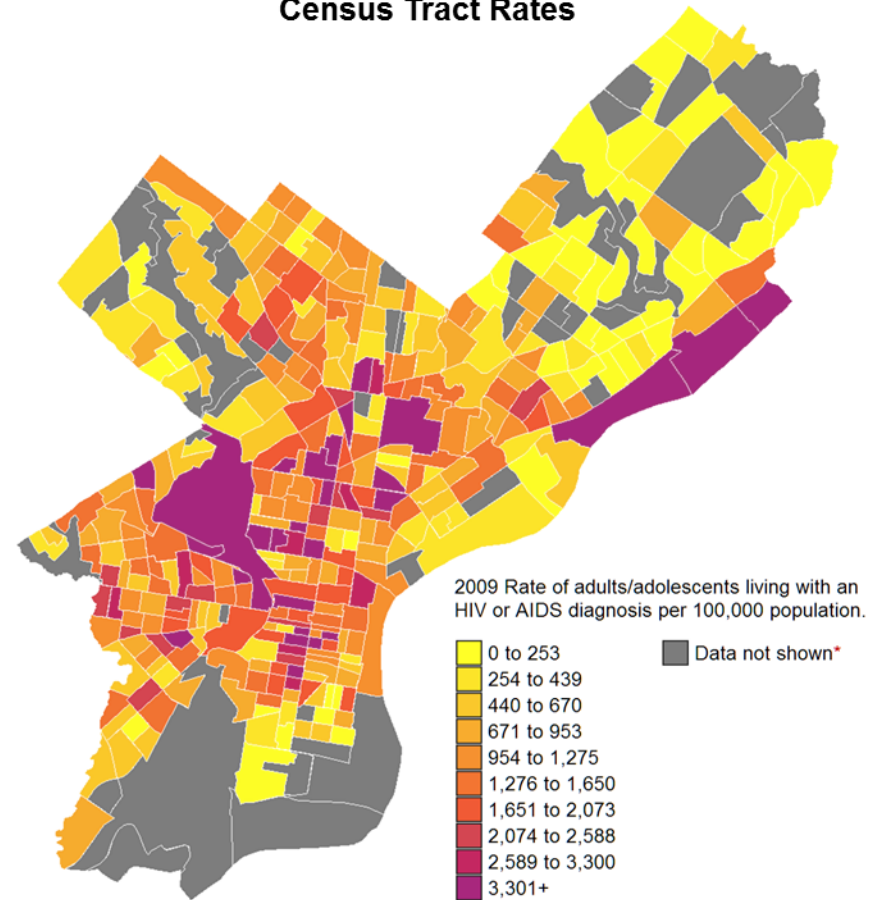
Data Sources: Centers for Disease Control and Prevention, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention, Division of HIV/AIDS Prevention. U.S. Census Bureau, Small Area Health Insurance Estimates.

# Rates of Persons Living with an HIV or AIDS Diagnosis, by ZIP Code & Census Tract, Philadelphia, 2009

## ZIP Code Rates



## Census Tract Rates



\* Data are not shown to protect privacy because of a small number of cases and/or a small population size.

Note. Data represent persons living with an HIV or AIDS diagnosis in the City of Philadelphia at the end of 2009 and who were reported as of 12/31/2011.

Data Source: Philadelphia Department of Public Health, AIDS Activities Coordinating Office.

# Resources and Functionality Available on AIDSVu

- **Downloadable map images**
- **Downloadable slide decks in PPT**
- **Downloadable data sets**
- **Compare HIV prevalence data with social determinants of health data on side-by-side maps**
- **HIV Testing and Treatment Site Locators**
- **NIH Prevention, Vaccine and Treatment Trials Sites**
- **Print maps and other website pages**

# Downloads from www.AIDSVu.org

As part of AIDSVu's 2012 Update on June 26, 2012, 127 downloadable files were added to the site. As of 11/6/12, **2,132** files have been downloaded.

The screenshot shows the AIDSVu.org website interface. At the top left is the AIDSVu logo, which includes a red map of the United States. To the right of the logo is a search bar with the text "Find out where you can get tested today". Below the logo and search bar is a navigation menu with links for "En Español", "Zoom to State", "Zoom to City", and "State Profiles". A red navigation bar contains links for "About AIDSVu", "Testing/Treatment Sites", "Data Methods", "Resources", "Media", and "Contact Us". On the right side of this bar is a button labeled "SEE THE MAP" with a small map icon.

The main content area is titled "Downloadable Maps and Resources" and includes a "Printer-friendly version" link. The text describes the resources available on the site, such as slide sets, data sets, and high-resolution map images. A list of resources is provided:

- Slide sets that include a variety of map views showing the impact of HIV, as well as background information about AIDSVu and the data presented on the site.
- Data sets that contain the underlying data for the maps and state profile pages.
- High resolution map images suitable for publishing.

A yellow callout box contains the text: "Need help figuring out which of AIDSVu's resources are best suited to your purposes? Visit our [Maximizing AIDSVu For Your Needs](#) page for suggestions. You can also let us know how you're using AIDSVu by sending an email to [info@aidsvu.org](mailto:info@aidsvu.org)."

On the right side of the page, there are several utility buttons: "View State Profiles" with a dropdown menu for "- Change your state -"; "Download Maps & Resources" with a download icon; "Find a Testing Location Near You" with a location pin icon; and "HIV Treatment Site Locator" with a search bar.



# What's Next?

- Updated data released early next summer
- Addition maps of 10-20 new cities
- Additional social determinants of health data
- Developmental: Treatment cascade elements at the city level
  - Washington, DC pilot
  - Elements: Late diagnosis, late linkage to care, detectable viral load

# AIDSVu as a Resource for ECHHP and 12CP

- High resolution map images and data for grant applications, progress reports, social media
- Slide sets for presentations
- Webinars to orient ECHHP members to AIDSVu resources
- Platform for sharing surveillance and program data broadly with stakeholders



## HIGH RESOLUTION MAP IMAGES

- [United States \(County-level overall rates, race-specific rates, poverty\)](#) - zip file, 2 MB
- [Southeastern United States \(County-level overall rates, black and white rates, poverty\)](#) - zip file, 4.8 MB

## SLIDE SETS

### National Maps

- Illustrating HIV/AIDS in the United States - [PDF](#) | [PPT](#)
- Illustrating HIV/AIDS in the United States: Black Persons - [PDF](#) | [PPT](#)
- Illustrating HIV/AIDS in the United States: Hispanic/Latino Persons - [PDF](#) | [PPT](#)

### Regional Maps

- Southeastern United States - [PDF](#) | [PPT](#)

### State Maps

- Alabama - [PDF](#) | [PPT](#)
- Arizona - [PDF](#) | [PPT](#)
- Arkansas - [PDF](#) | [PPT](#)
- California - [PDF](#) | [PPT](#)

## DATA SETS

### State and County Data Sets

- [State](#)
- [County](#)

### ZIP Code Data Sets

- [Chicago](#)
- [Houston](#)
- [Los Angeles](#)
- [New Orleans](#)
- [New York City](#)



# Contact us and acknowledgements

Patrick Sullivan: [patrick.sullivan@emory.edu](mailto:patrick.sullivan@emory.edu)

Travis Sanchez: [travis.sanchez@emory.edu](mailto:travis.sanchez@emory.edu)

Jenny Taussig: [jatauss@emory.edu](mailto:jatauss@emory.edu)

[www.aidsvu.org](http://www.aidsvu.org)



**EMORY**  
UNIVERSITY

**Center for  
AIDS Research**

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