

HIV and Hepatitis C in West Virginia

Suzanne Wilson, MPH
Director, Division of STD, HIV, Hepatitis, and Tuberculosis

**HIV and Hepatitis C Elimination Plan
Implementation Stakeholder Meeting**

**Stonewall Resort
September 13, 2023**

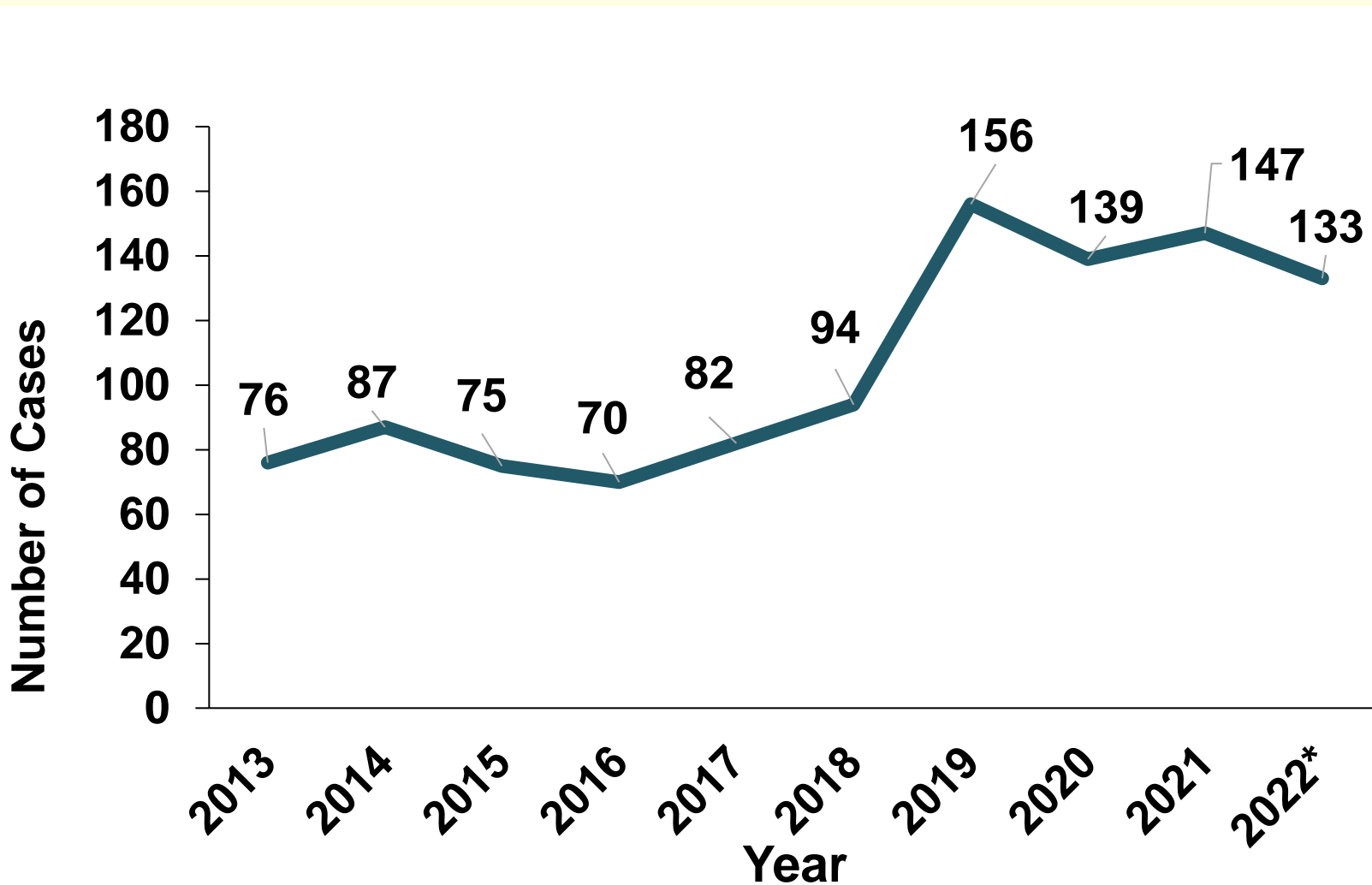


Objectives

- Summarize the descriptive epidemiology of HIV in West Virginia.
- Summarize the descriptive epidemiology of Hepatitis C Virus (HCV) in West Virginia.

HIV Case Counts

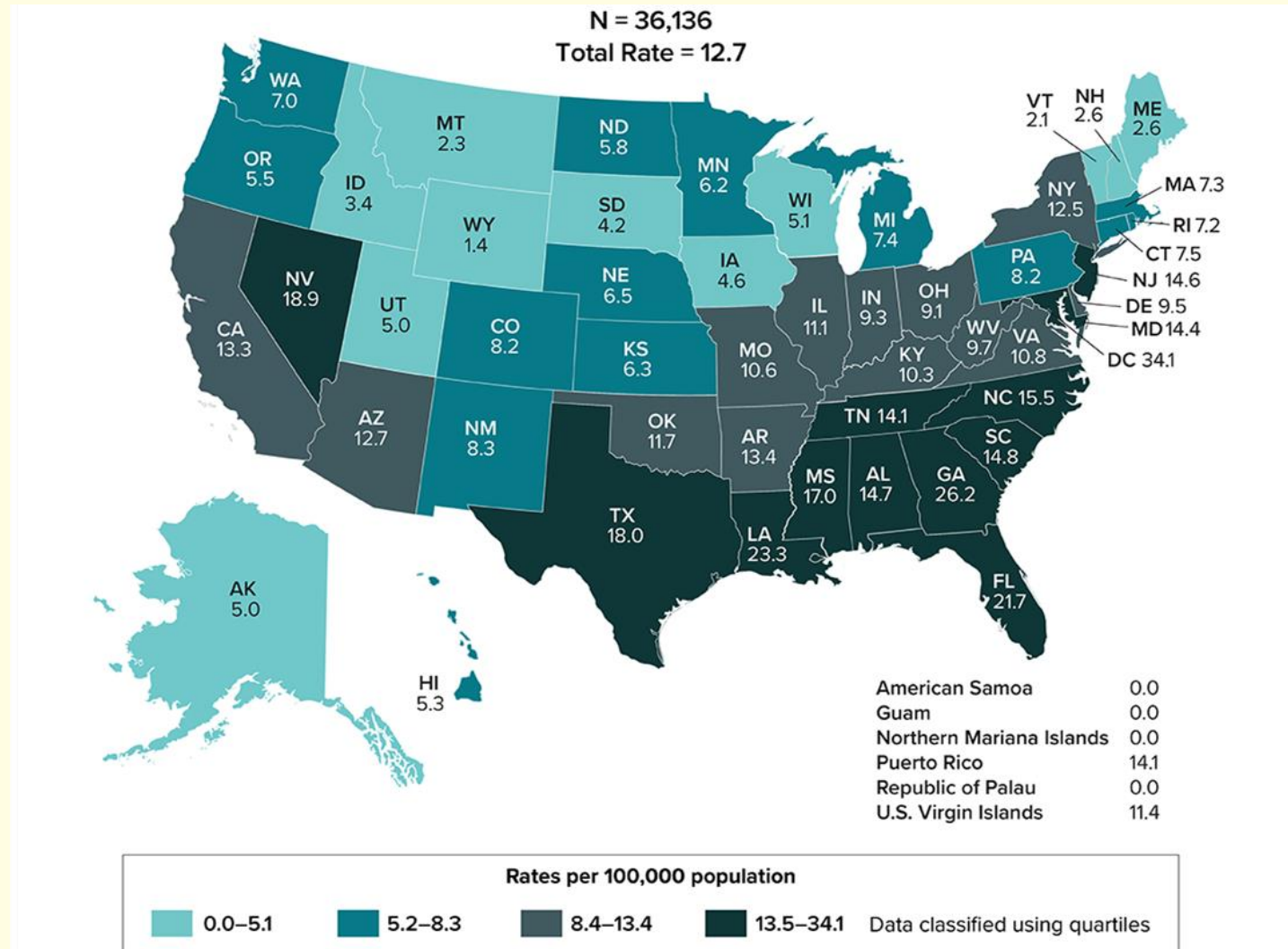
Number of HIV Diagnoses, West Virginia, 2013-2022*



*2022 data provisional

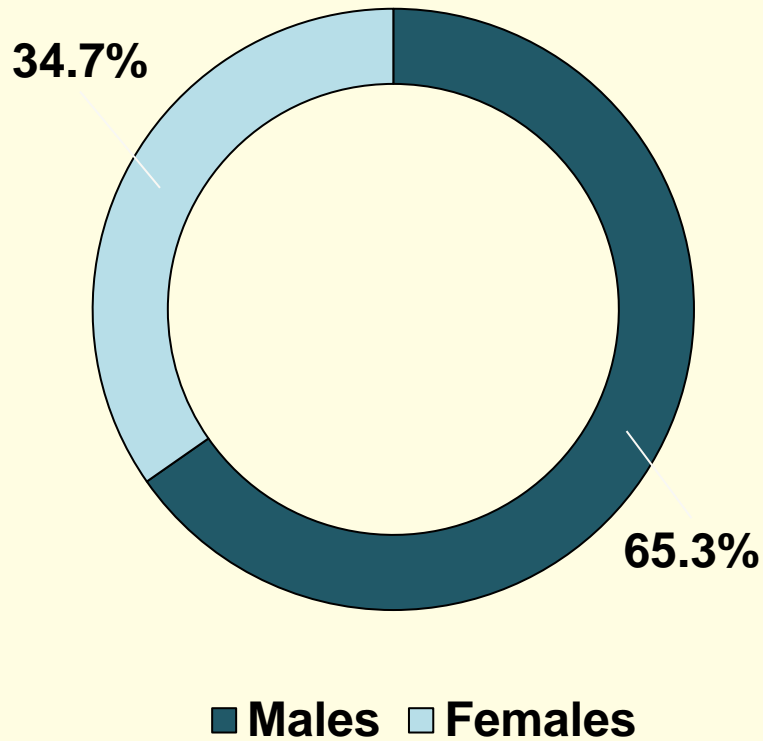
Rates of HIV

Rates of HIV among Persons Aged ≥13 Years, 2021 United States and Dependent Areas

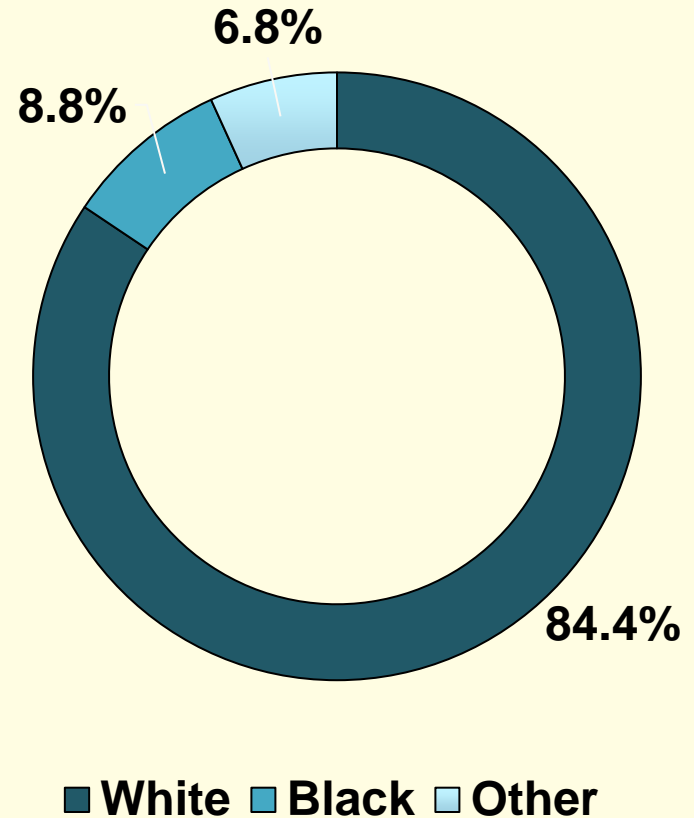


Demographics of HIV Cases

HIV Diagnoses by Sex in West Virginia, 2021 (N=147)

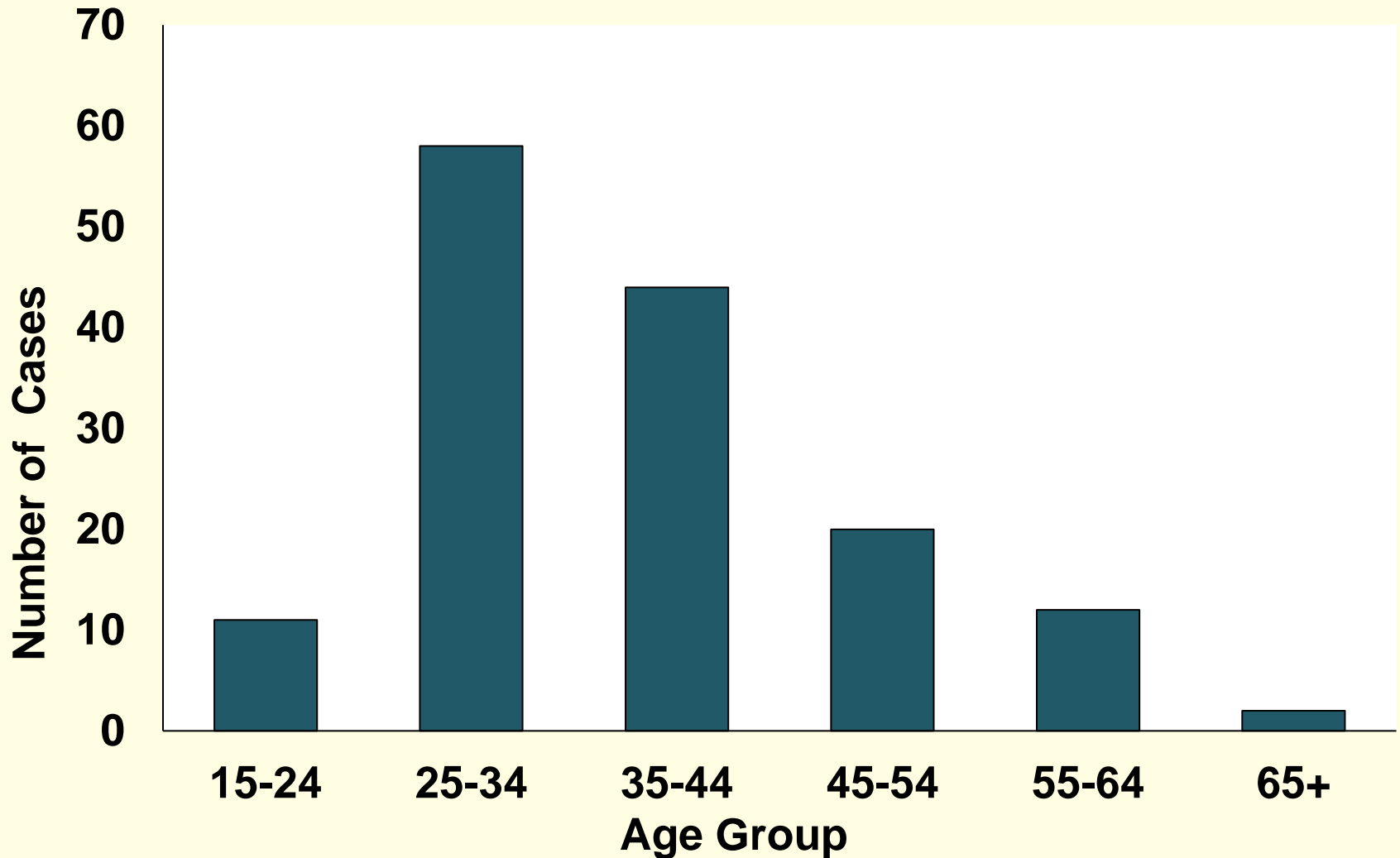


HIV Diagnoses by Race in West Virginia, 2021 (N=147)



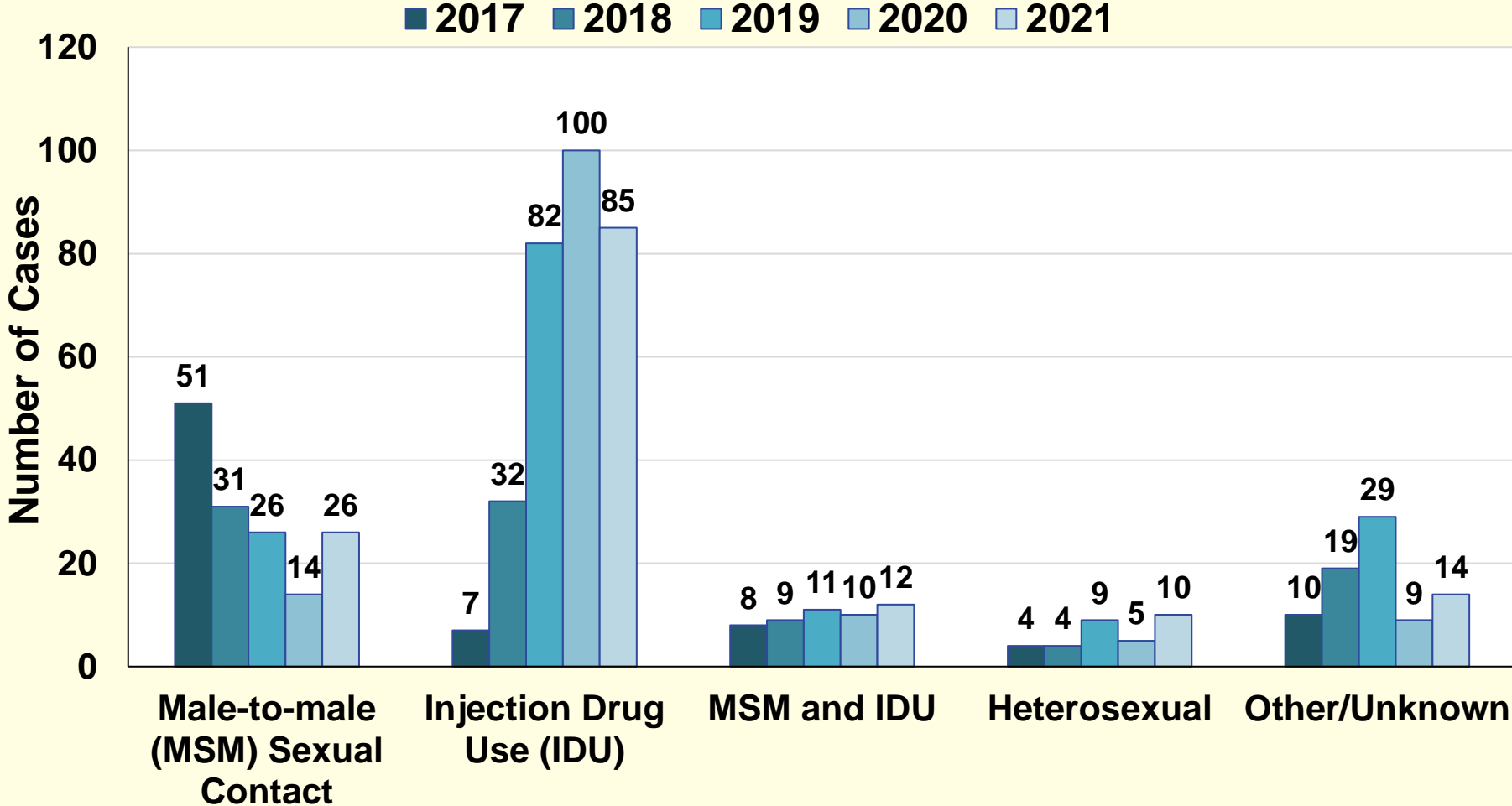
HIV by Age Group

HIV Diagnoses by Age Group, West Virginia, 2021 (N=147)



HIV Transmission

Number of HIV Diagnoses by Year of HIV Diagnosis and Transmission Category, West Virginia, 2017-2021

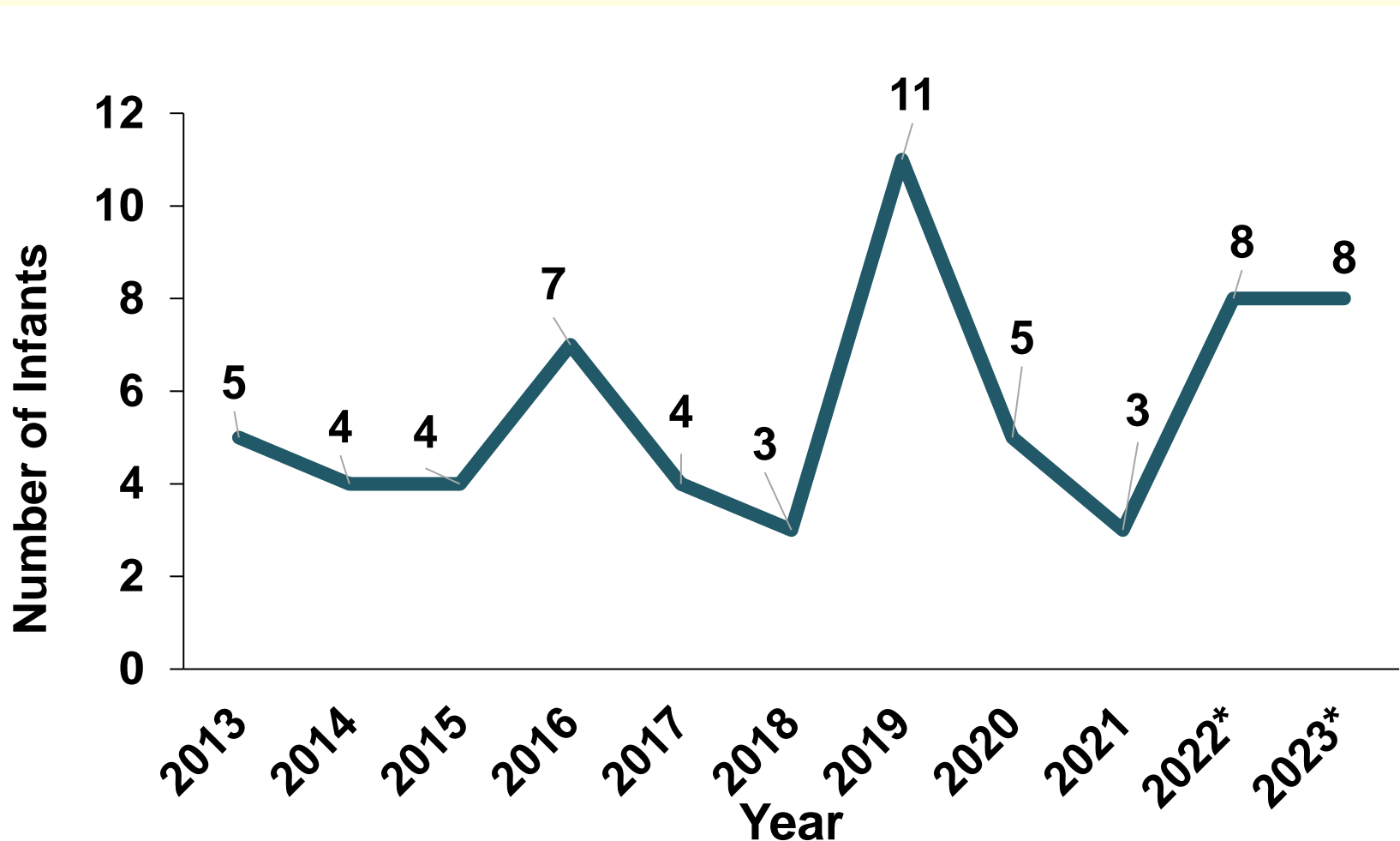


Linkage to HIV Medical Care

- Among 147 persons with HIV infection diagnosed during 2021 in West Virginia:
 - 65% were linked to HIV medical care within 1 month of diagnosis, 78% within 3 months, and 12% had no evidence of receiving care within 1 year of diagnosis.
 - 31% had evidence of viral load suppression (defined as a viral load equal to or less than 200 copies/mL) within 6 months of diagnosis.

Perinatal HIV Exposure

Number of Infants with Known Exposure to Maternal HIV Infection,
West Virginia, 2013-2023*



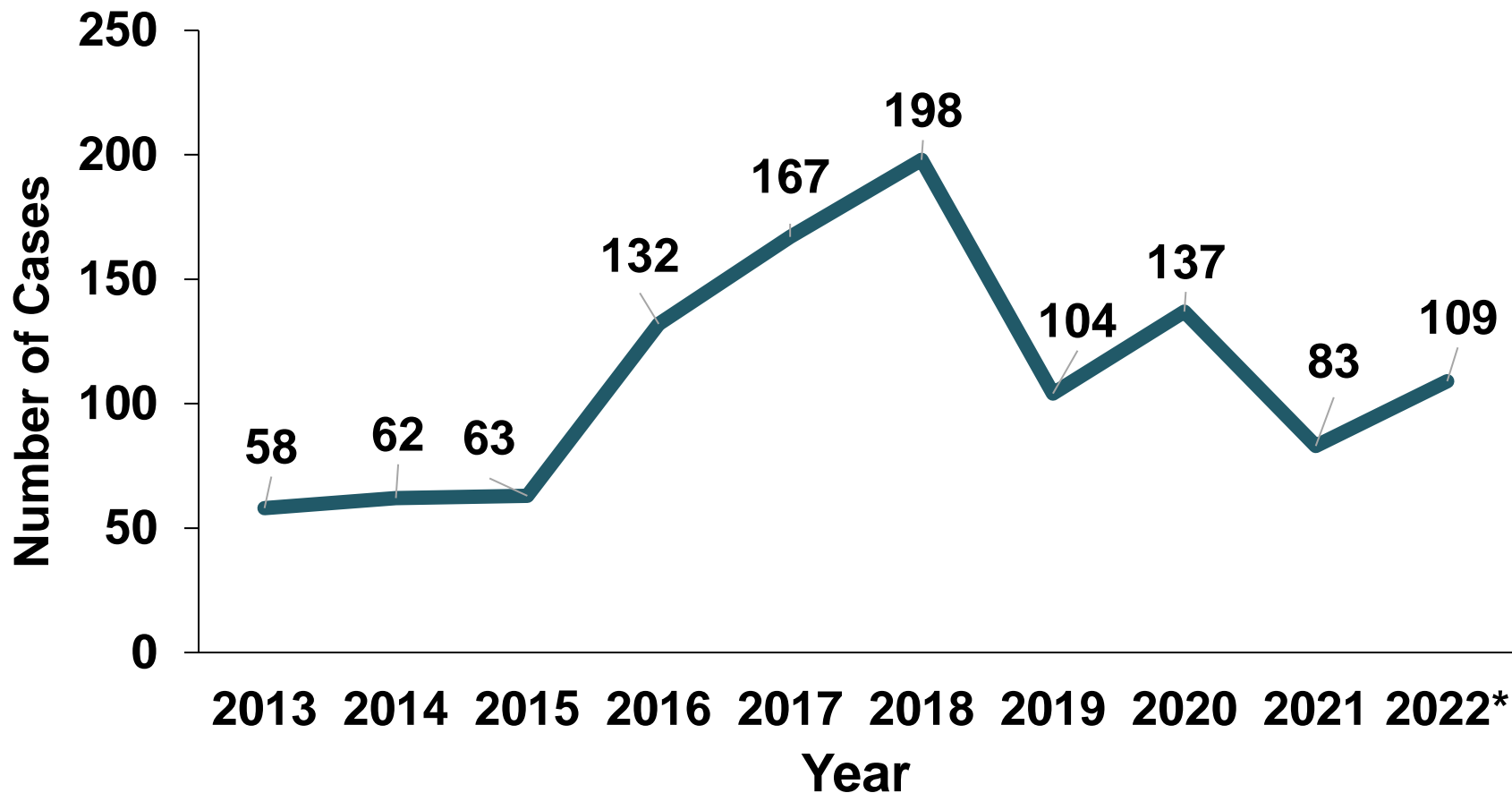
*2022 and 2023 data provisional

Characteristics of People Living with HIV

- At the end of 2021, 2,173 persons \geq 13 years had diagnosed HIV infection and were living in West Virginia.
- People living with HIV (PLWH) in West Virginia were predominately:
 - Male (75%) (based on reported sex at birth)
 - \geq 55 years (37%)
 - White (70%), although blacks are disproportionately impacted (19%)
 - Reported men who have sex with men (MSM) transmission (46%) followed by injection drug use (IDU) (20%)
- 1,404 received HIV medical care (defined as at least one care visit during the calendar year).
- 1,093 had laboratory test results indicating viral suppression.

Acute HCV Case Counts

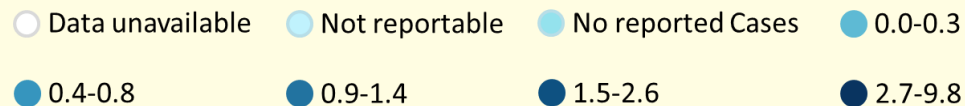
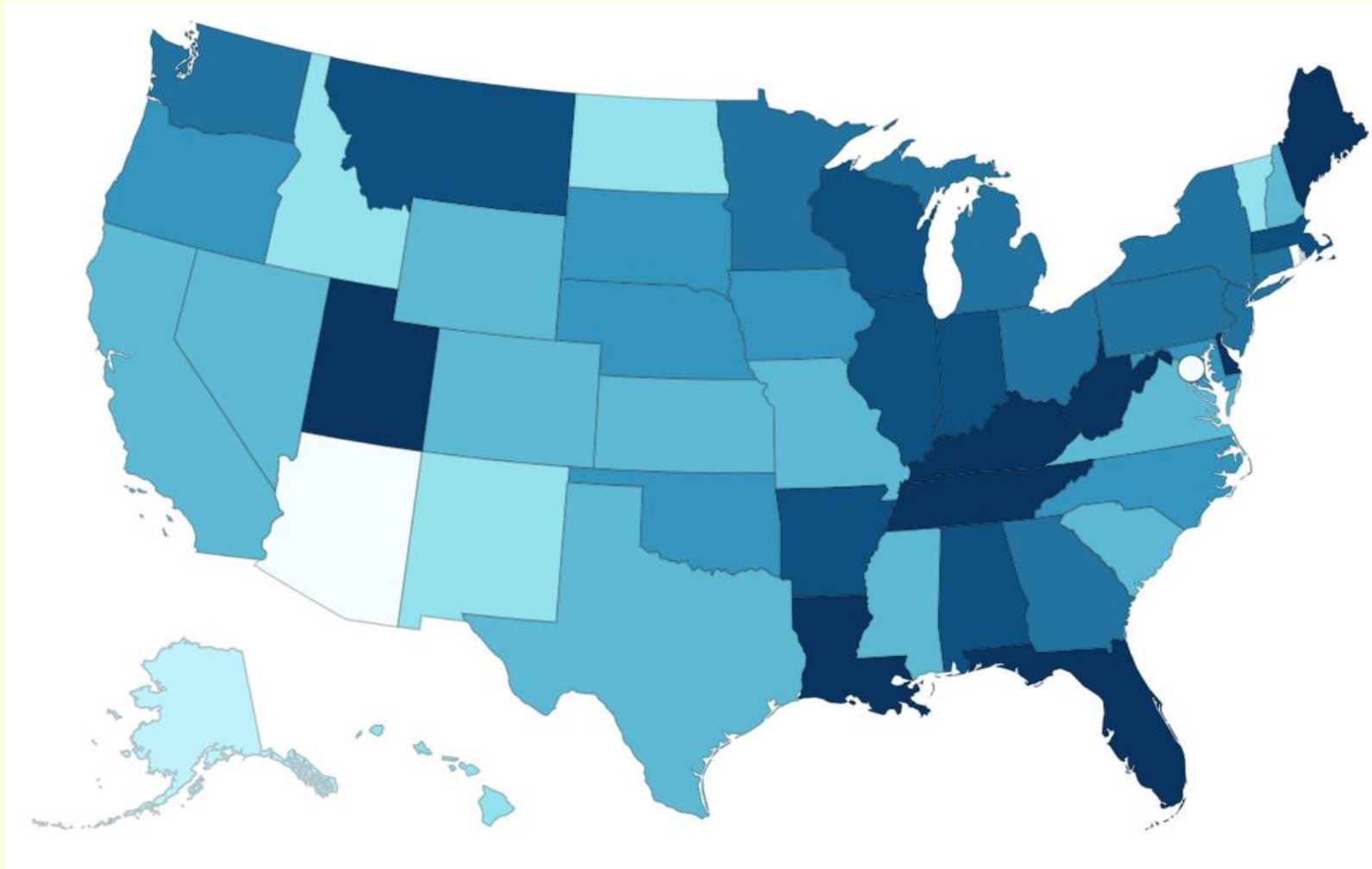
Cases of Acute HCV, West Virginia, 2013-2022*



*2022 data provisional

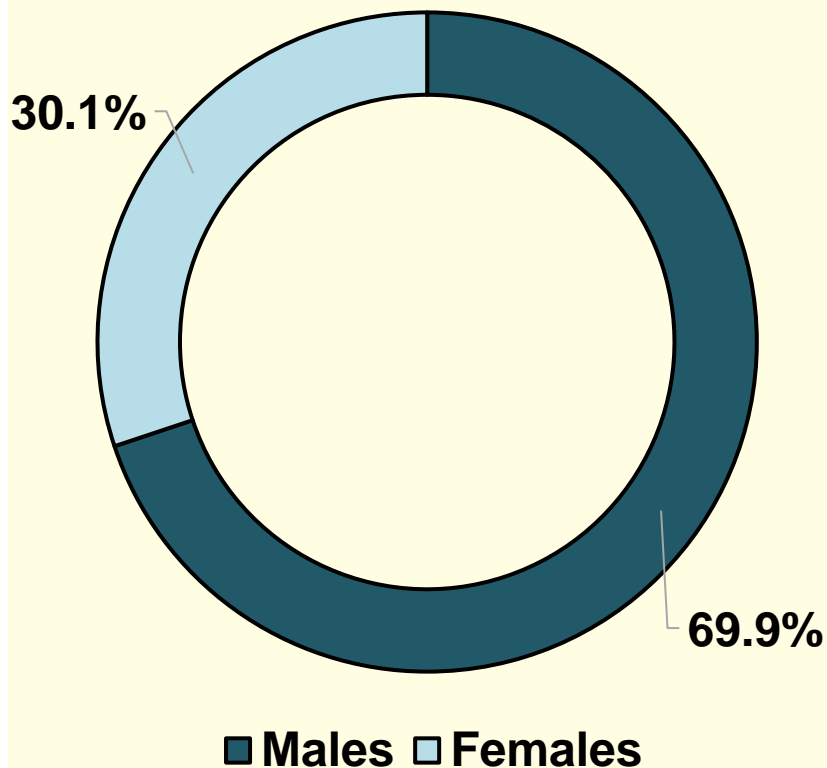
Rates of Acute HCV

Rates of Reported Acute HCV by State/Jurisdiction, United States, 2021

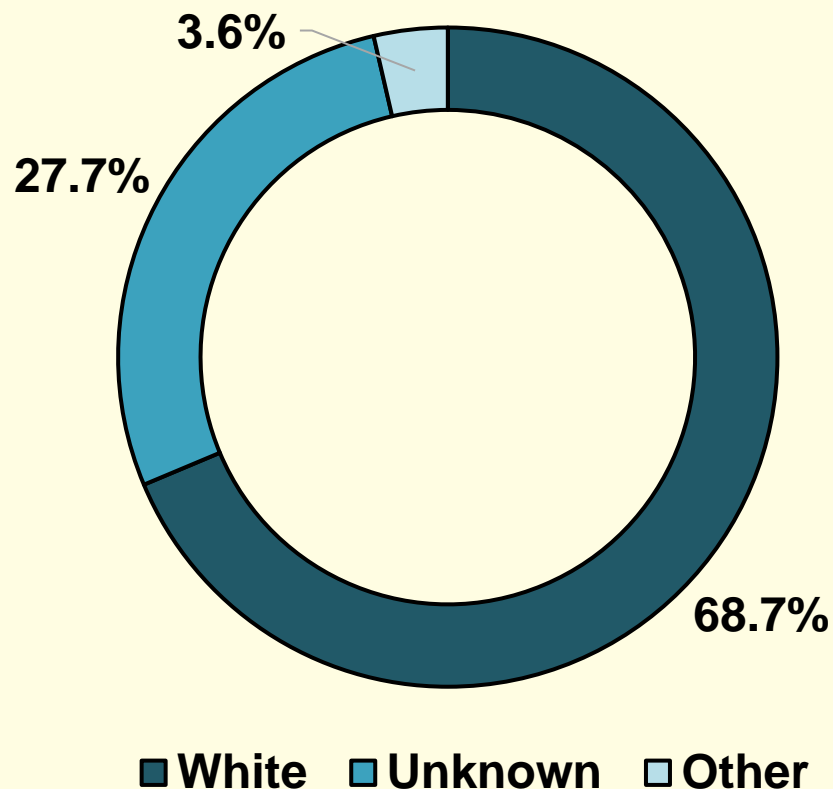


Demographics of Acute HCV Cases

Acute HCV Cases by Sex in West Virginia, 2021 (N=83)

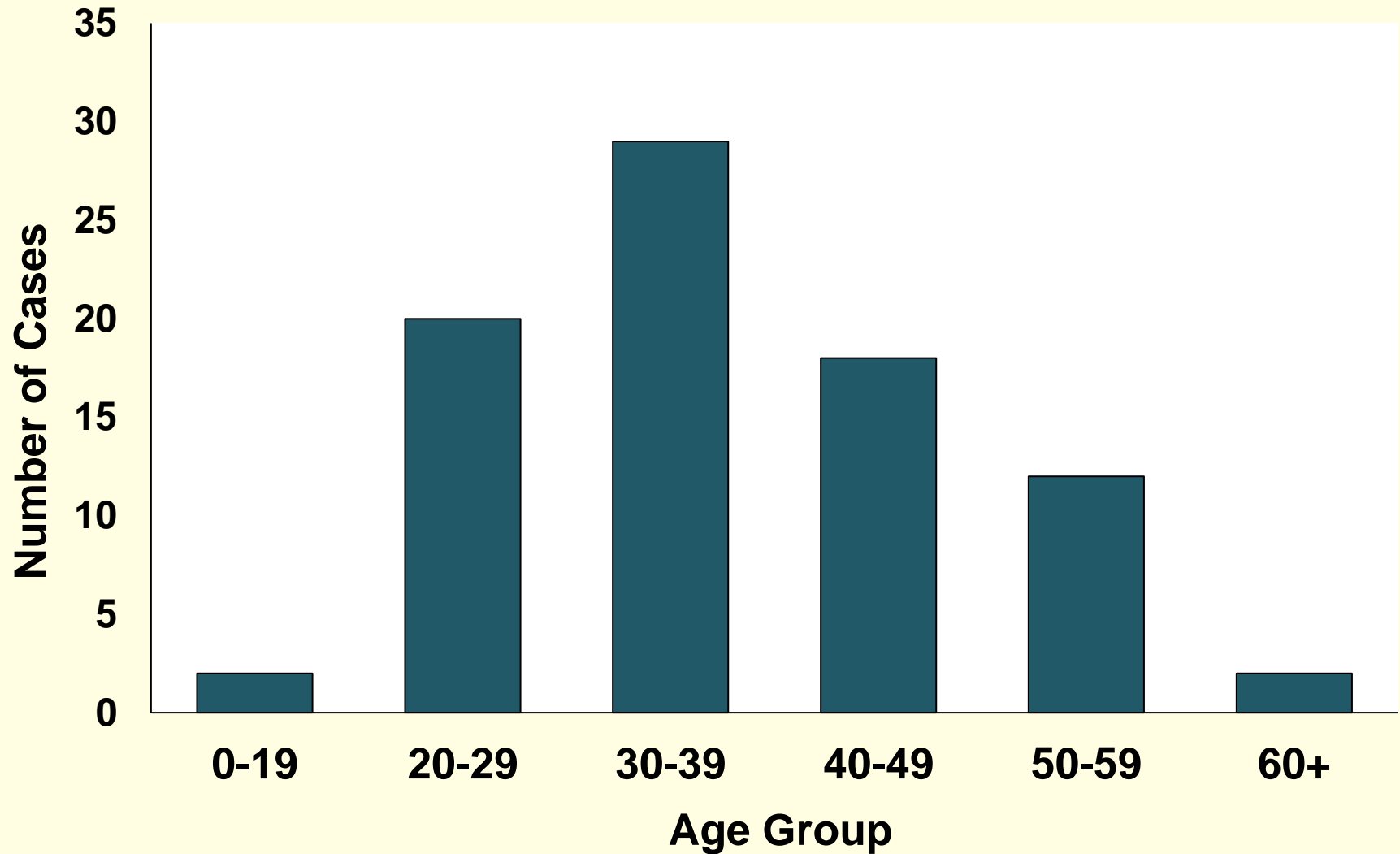


Acute HCV Cases by Race in West Virginia, 2021 (N=83)



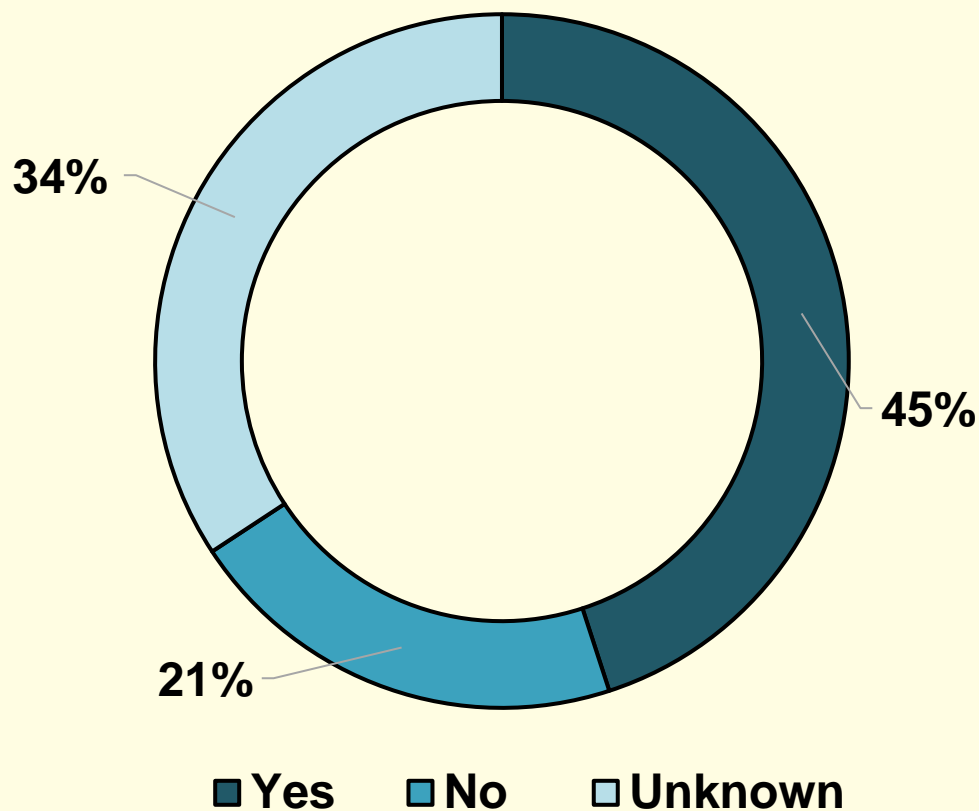
Acute Cases of HCV by Age Group

Acute HCV Cases by Age Group, West Virginia, 2021



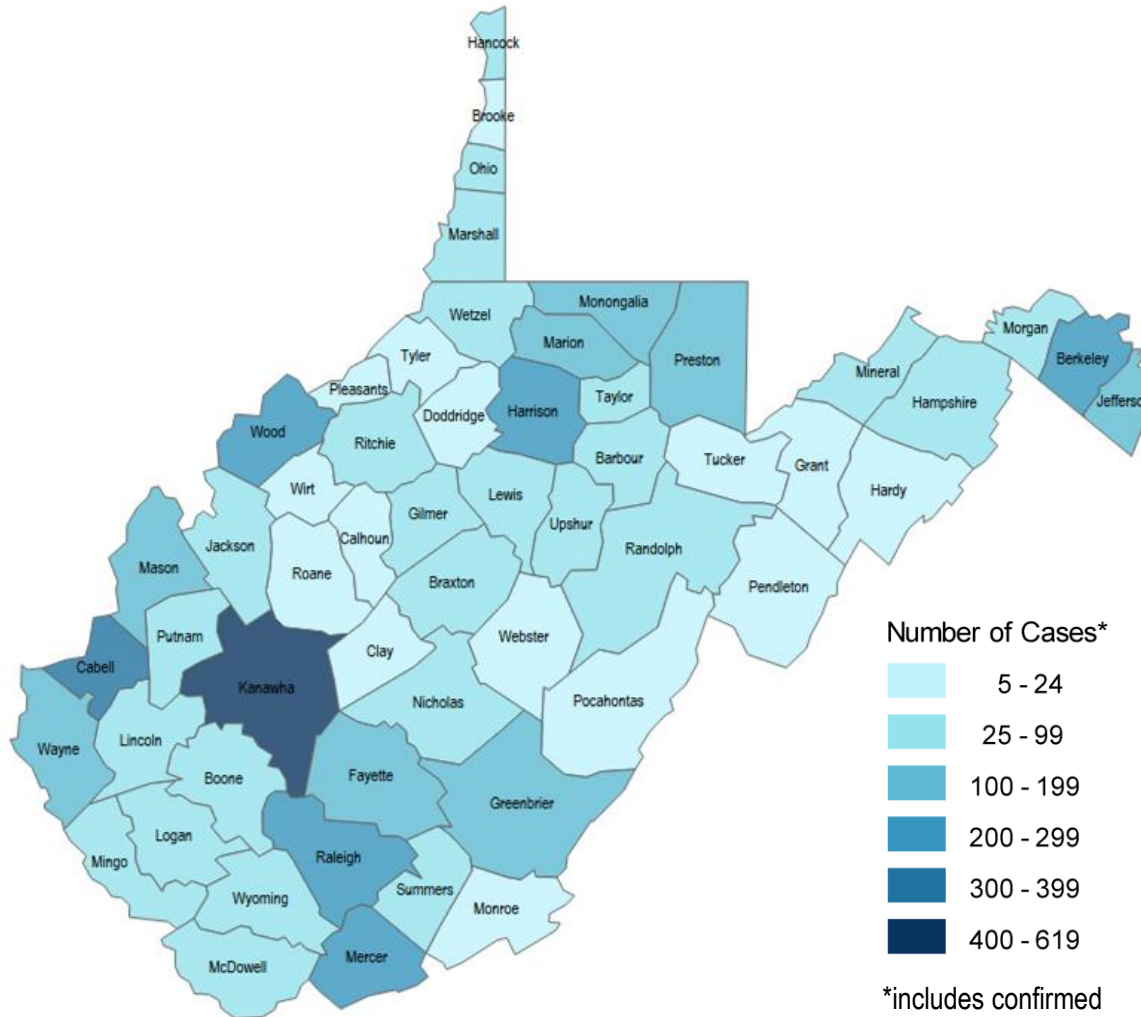
Injection Drug Use and HCV

Acute HCV Cases by Reported Injection Drug Use West Virginia, 2017-2021 (N=689)



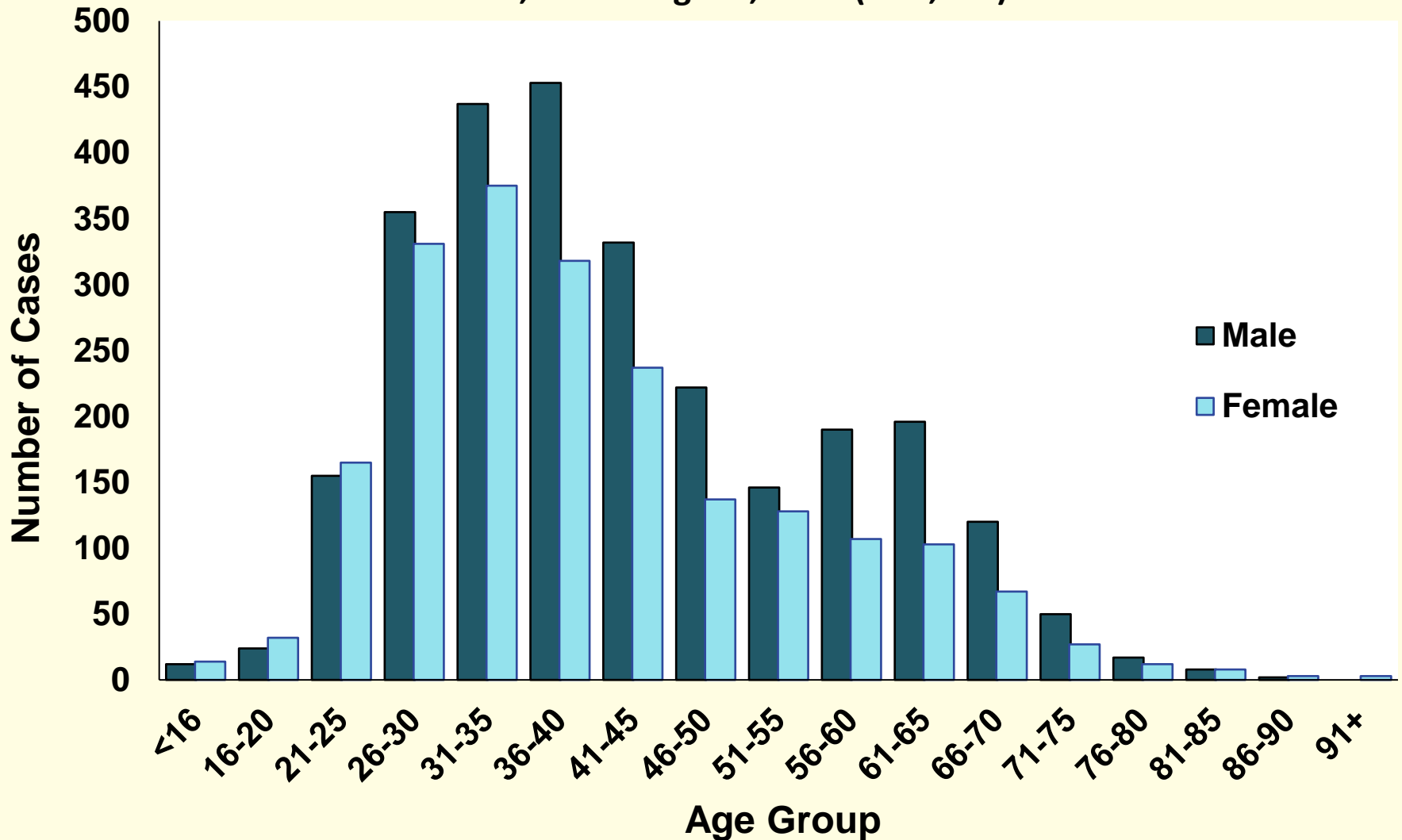
Chronic HCV by County

Chronic Hepatitis C Case Counts by County West Virginia, 2021 (N=4,793)



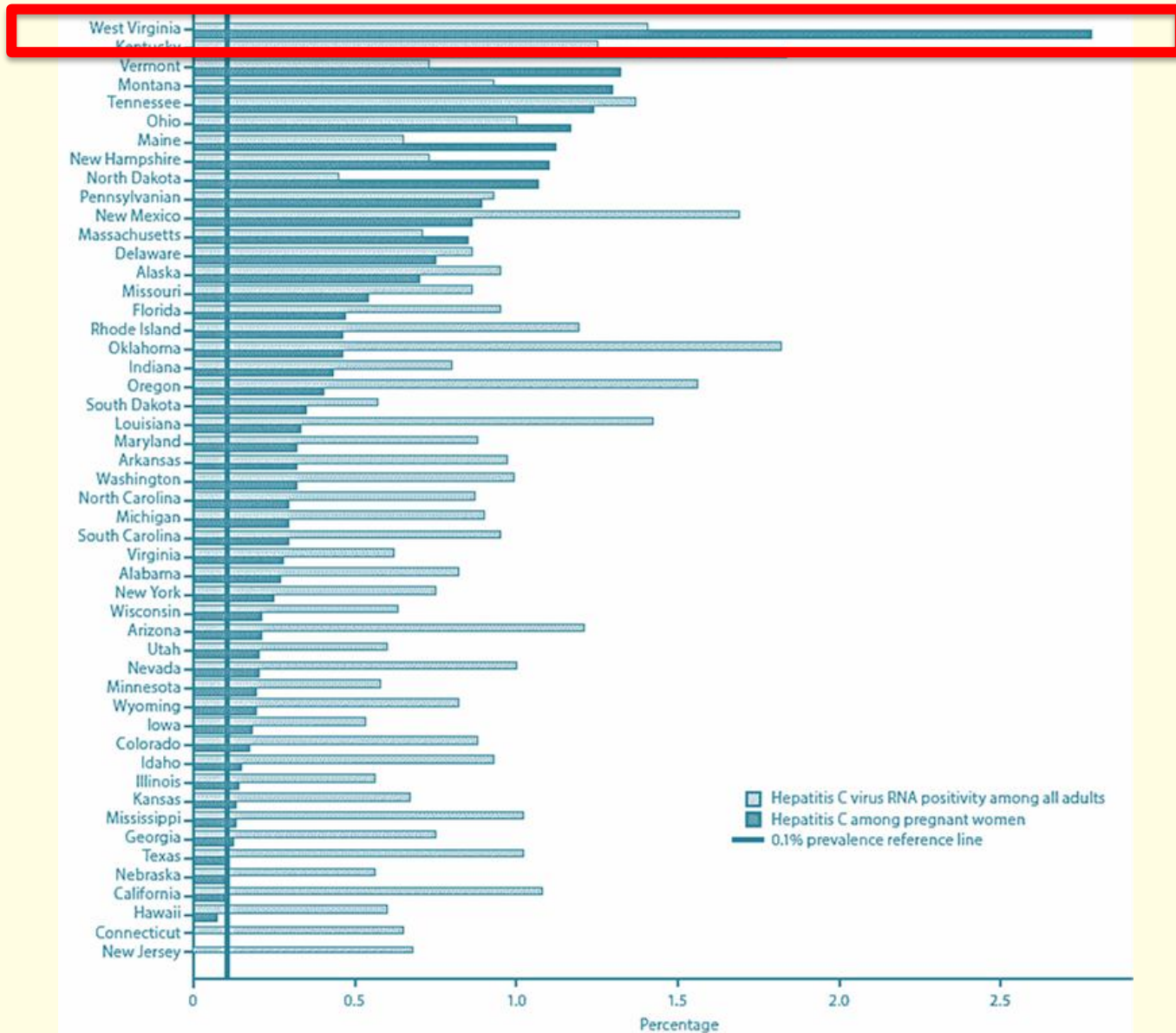
Chronic HCV by Age Group and Birth Sex

Number of Newly Reported Chronic HCV Cases* by Age Group and Birth Sex, West Virginia, 2021 (N=4,793)



*Includes probable and confirmed

State Estimates of HCV among Pregnant Persons



Perinatal HCV Exposure

HCV Present During Pregnancy Among West Virginia Live Births, 2018-2022

Year	Maternal HCV During Pregnancy	% of Live Births with Maternal HCV
2018	636	3.5%
2019	613	3.4%
2020	572	3.3%
2021	495	2.9%
2022	478	2.9%

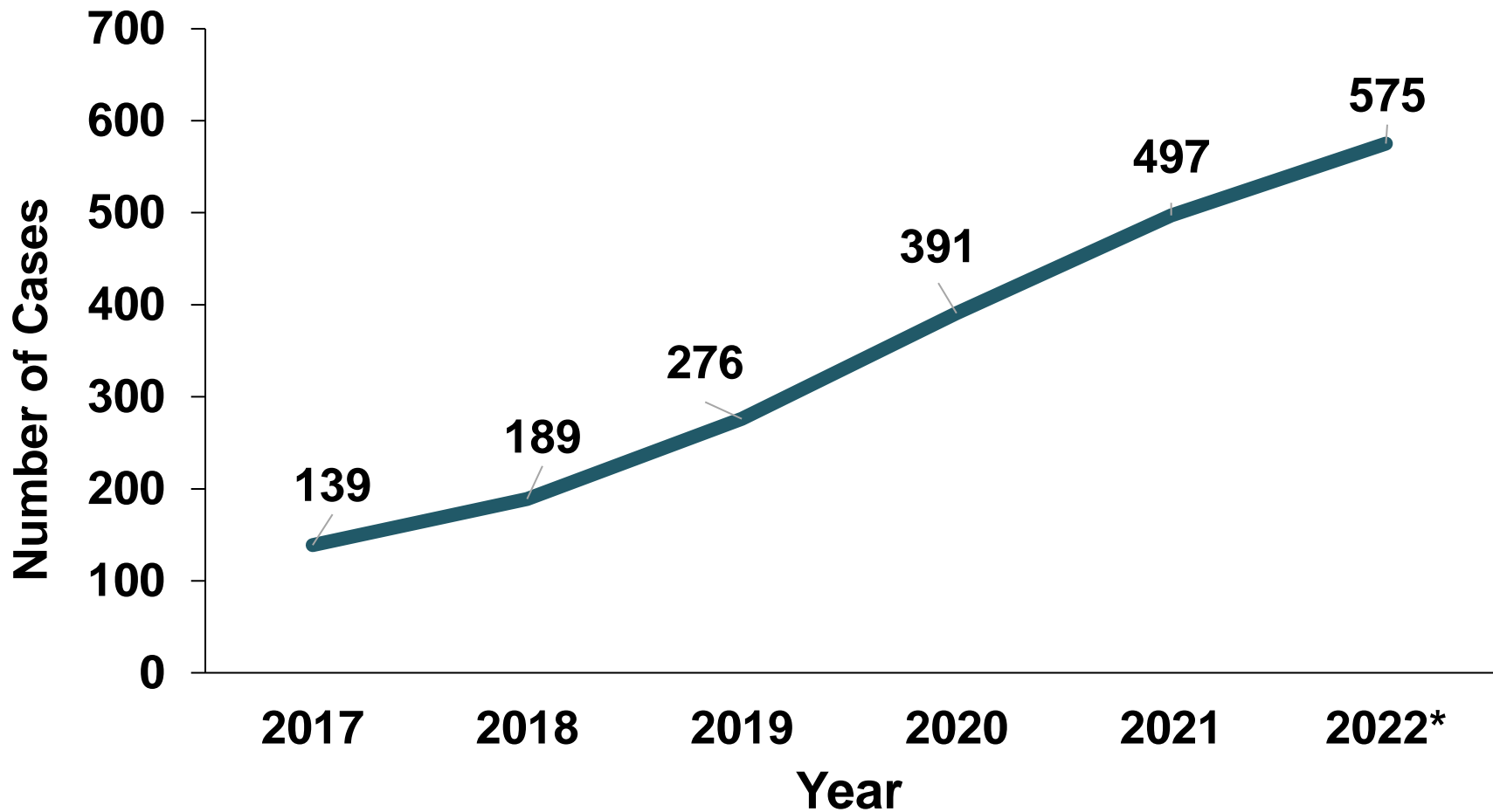
Data Source: WV Health Statistics Center, Vital Statistics System, 2023

Perinatal HCV in WV

- Infants born to a person with HCV have approximately a 6% chance of acquiring HCV.
- Although the transmission of HCV cannot be prevented, children can be treated and cured.
- Perinatal HCV became a reportable condition in West Virginia mid-year in 2022.
- In 2022, 11 confirmed cases of perinatal HCV were reported.

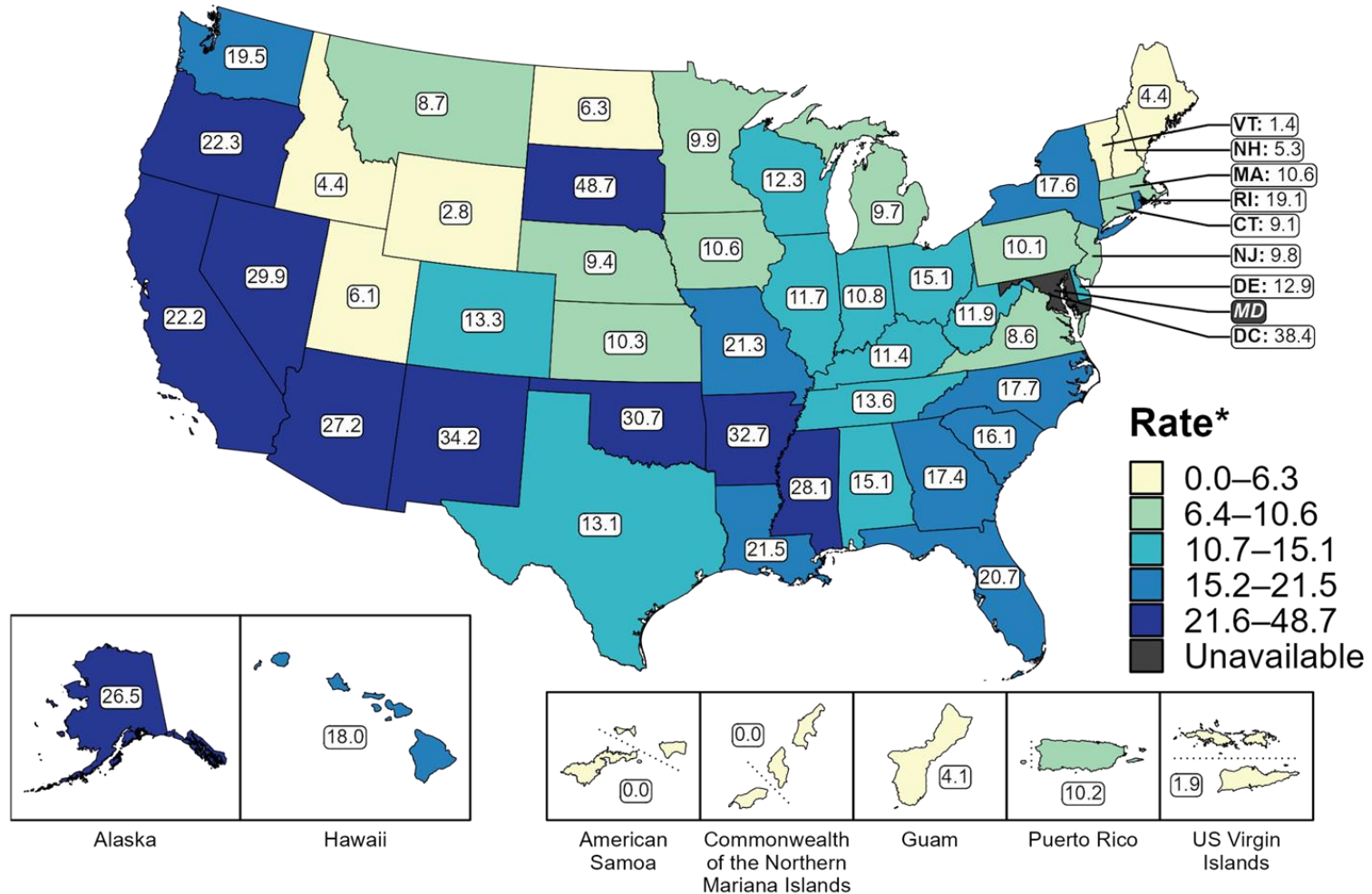
Syphilis Case Counts

Cases of Syphilis, West Virginia, 2017-2022*



Rates of Syphilis

Rates of Reported Primary and Secondary Syphilis Cases by State, United States and Territories, 2021



Syphilis Risk Factors

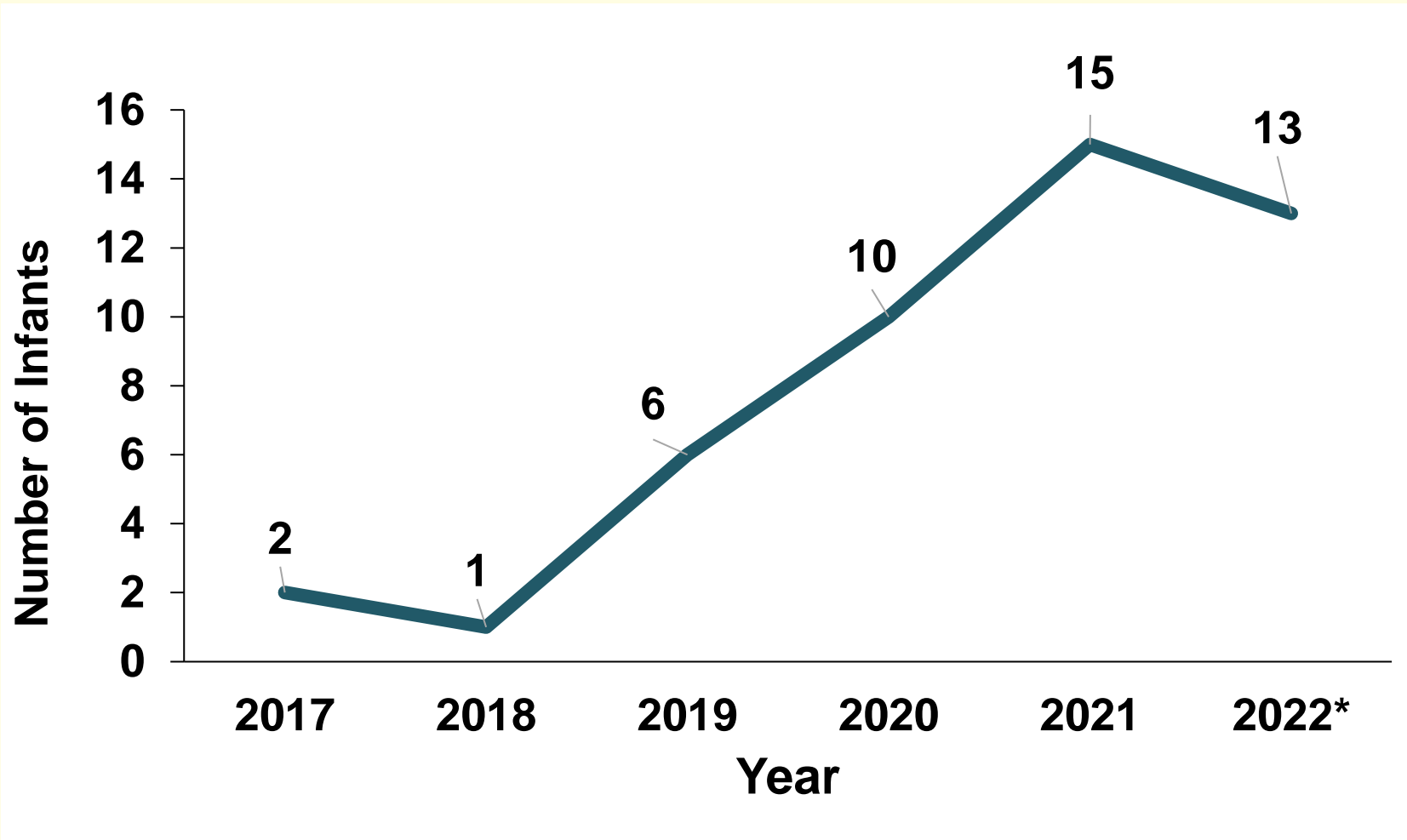
Syphilis Cases by Reported Risk Factors, West Virginia, 2021 (N=497)*

Risk	Count*
Sex without a condom	199
Drug use	151
Partner with injection drug use	112
Injection drug use	89
Sex with anonymous partner	84
Incarceration	71
MSM	54
Sex while intoxicated or high	41
Sharing injection equipment	33
Met partner online	33
Exchanged drugs or money for sex	20
Women who have sex with women	13

***Cases can have more than one reported risk factor**

Congenital Syphilis

**Number of Reported Cases of Congenital Syphilis,
West Virginia, 2017-2022**



*2022 data provisional

References

- Centers for Disease Control and Prevention. Viral Hepatitis Surveillance Report – United States, 2021. <https://www.cdc.gov/hepatitis/statistics/2021surveillance/index.htm>. Published August, 2023
- Schillie S, Wester C, Osborne M, Wesolowski L, Ryerson AB. CDC Recommendations for Hepatitis C Screening Among Adults — United States, 2020. MMWR Recomm Rep 2020;69(No. RR-2):1–17
- Centers for Disease Control and Prevention. HIV Surveillance Report, 2020; vol. 33. <http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>. Published May 2022.
- Centers for Disease Control and Prevention. Sexually Transmitted Disease Surveillance, 2021. <https://www.cdc.gov/std/statistics/2021/figures.htm>

Contact Information

Suzanne Wilson, MPH

Division Director

West Virginia Department of Health and Human Resources

Bureau for Public Health

Office of Epidemiology and Prevention Services

Division of STD, HIV, Hepatitis & Tuberculosis

350 Capitol Street, Room 125

Phone: 304-558-2195

Email: Suzanne.M.Wilson@wv.gov

Contact Information

Alana Hudson, PhD, MPH
HIV/Viral Hepatitis Surveillance Director
West Virginia Department of Health and Human Resources
Bureau for Public Health
Office of Epidemiology and Prevention Services
Division of STD, HIV, Hepatitis & Tuberculosis
350 Capitol Street, Room 125
Phone: 304-352-6280
Email: Alana.L.Hudson@wv.gov

Contact Information

Margret Watkins, MPH CHES

STD Program Director

West Virginia Department of Health and Human Resources

Bureau for Public Health

Office of Epidemiology and Prevention Services

Division of STD, HIV, Hepatitis & Tuberculosis

350 Capitol Street, Room 125

Phone: 304-352-6214

Email: Margret.A.Watkins@wv.gov