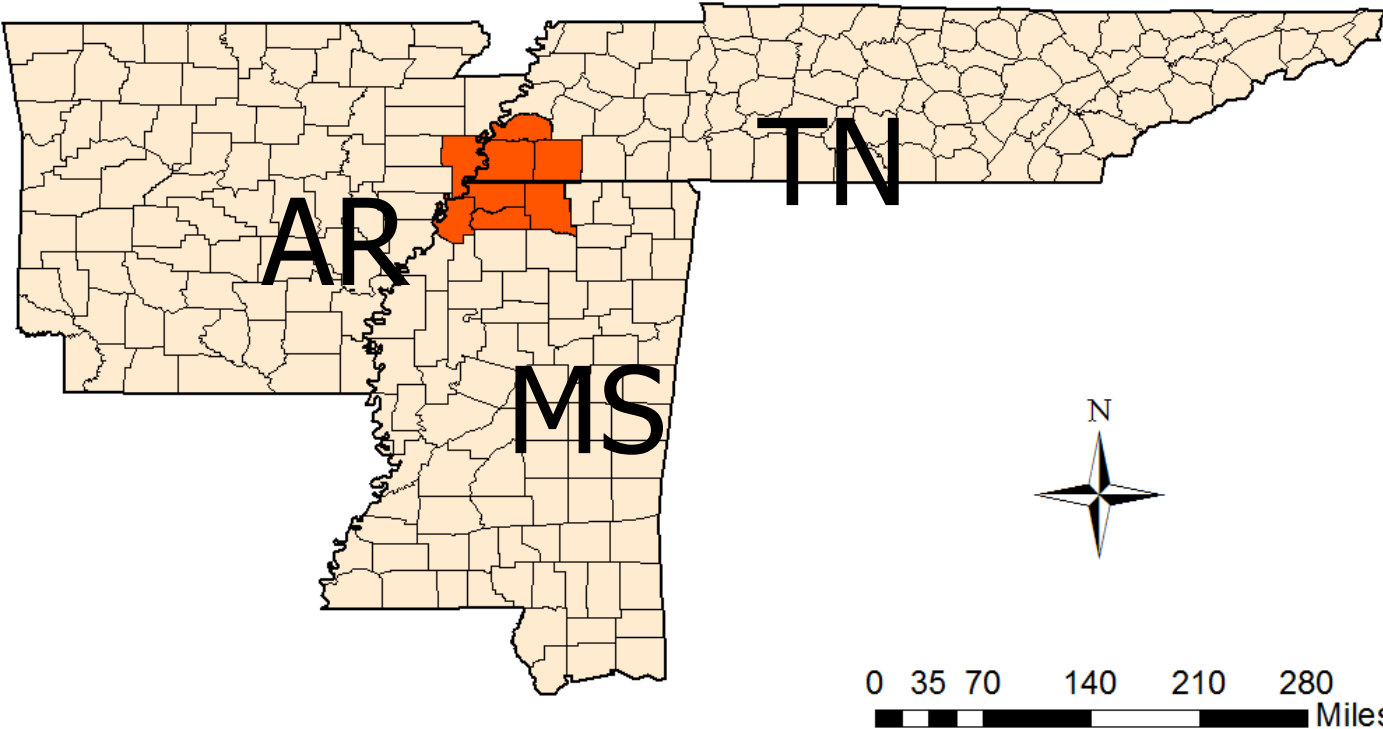


Geographical Location of the Memphis TGA

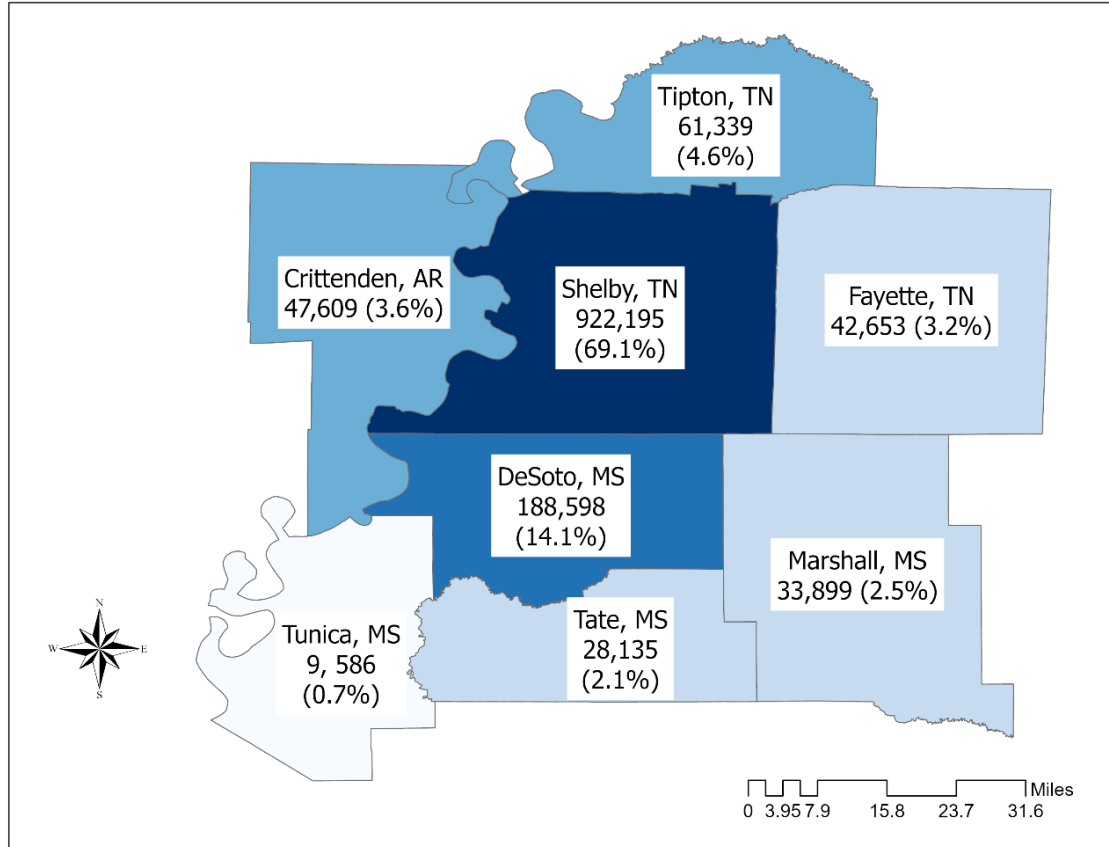


*The Memphis Transitional Grant Area (TGA) encompasses eight counties from three states (Tri-State Area). At the end of 2023, the Memphis TGA had an estimated population total = **1,334,014**.*

Data Source: U.S. Census Bureau, 2023 American Community Survey 5-Year Estimates. Prepared by the SCHD Office of Epidemiology.

County Population of the Memphis TGA

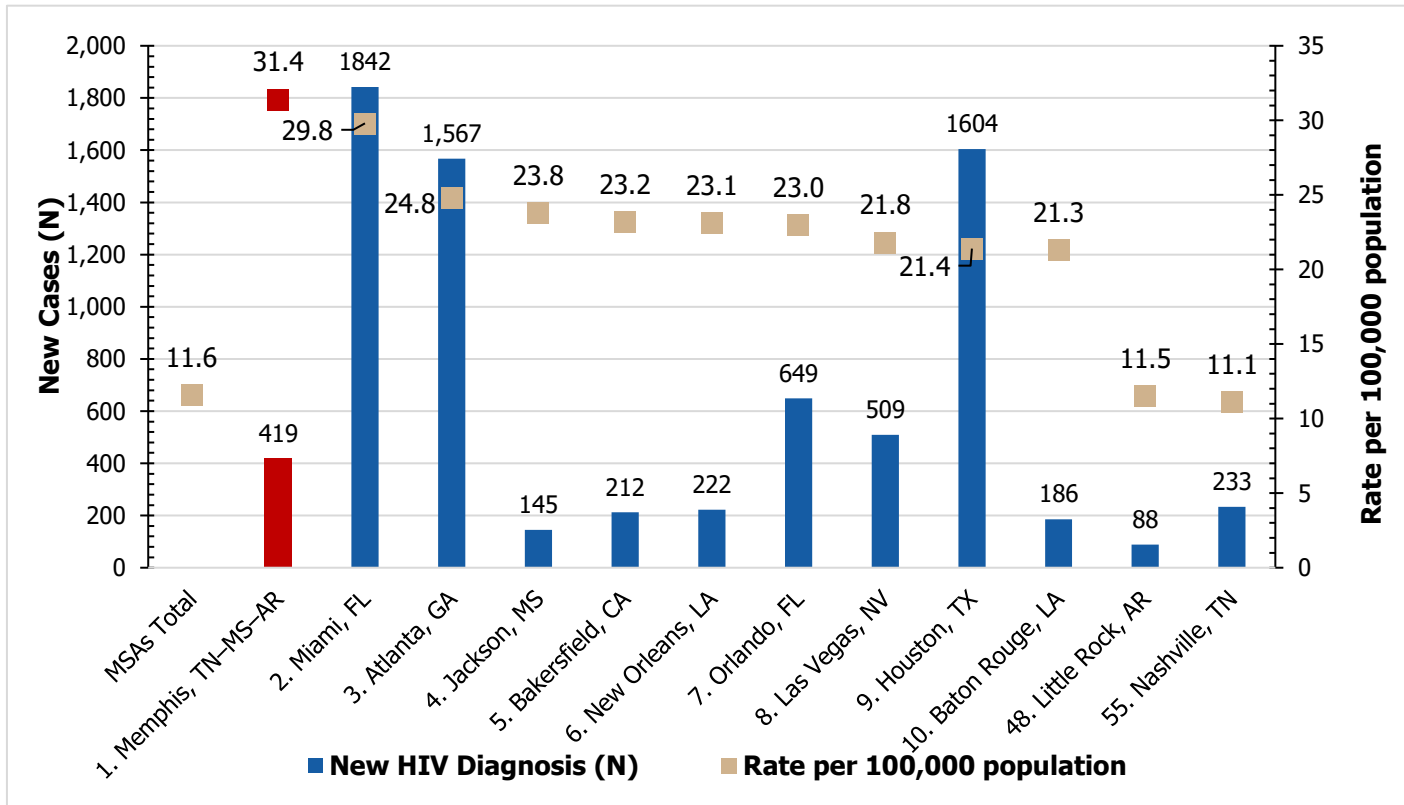
US Census Bureau, 2023



Total Population in 2023: 1,334,014

Data Source: U.S. Census Bureau, 2023 American Community Survey 5-Year Estimates. Prepared by the SCHED Office of Epidemiology.

Rates and Ranks of New HIV Infection by Metropolitan Statistical Areas (MSAs), United States, 2023

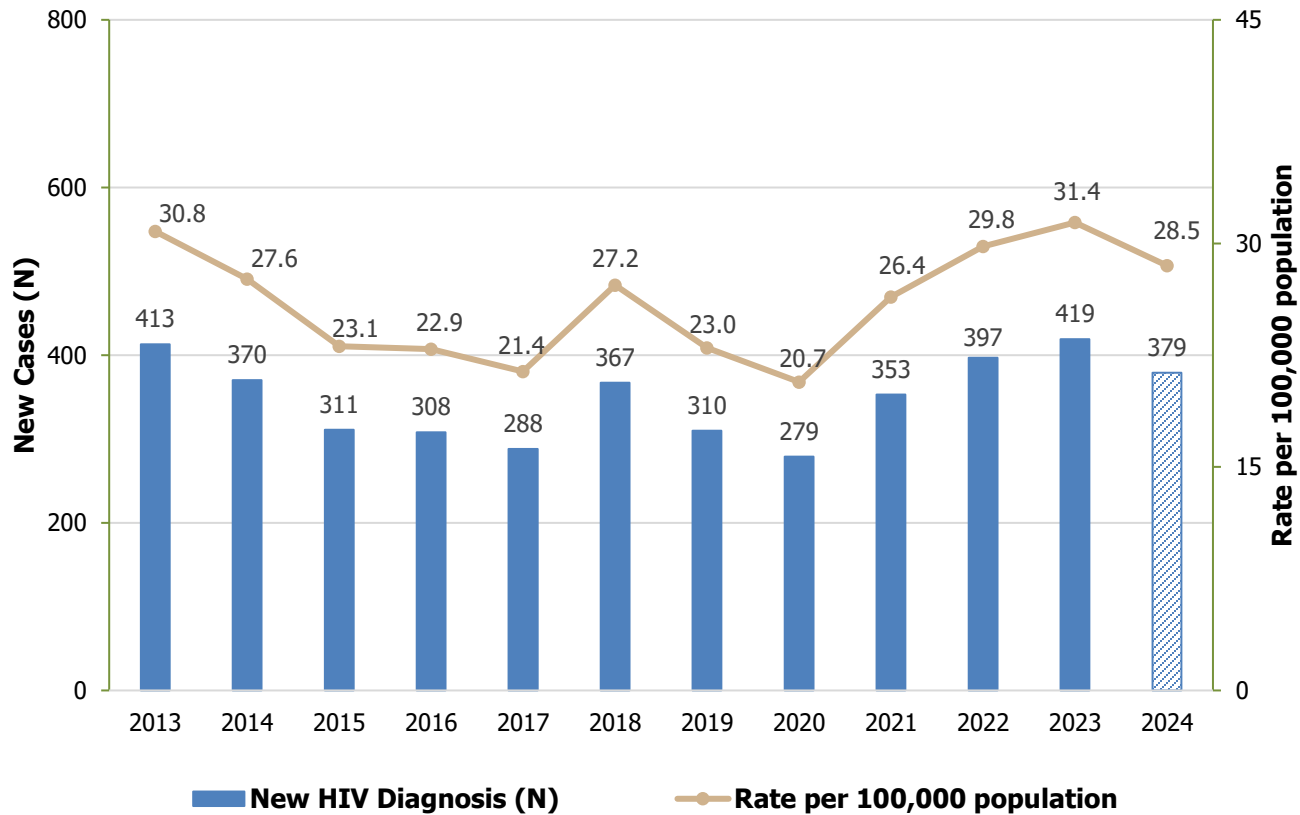


Memphis MSA has an HIV incidence rate around **three times** higher than the overall rate of the MSAs combined. (**Ranked 1st** among the Metropolitan Statistical Area of Residence—United States).

Data Source: Centers for Disease Control and Prevention. HIV Diagnoses, Deaths, and Prevalence: 2025 Update. https://www.cdc.gov/hiv-data/nhss/hiv-diagnoses-deaths-and-prevalence-2025.html#cdc_survey_profile_how_the_information_is_used-current-data-release. HIV Surveillance Report Tables, 2023. Table 18. Published April 29, 2025. Prepared by the SCHD Office of Epidemiology.

New HIV Diagnoses

Memphis TGA, 2013 – 2024*

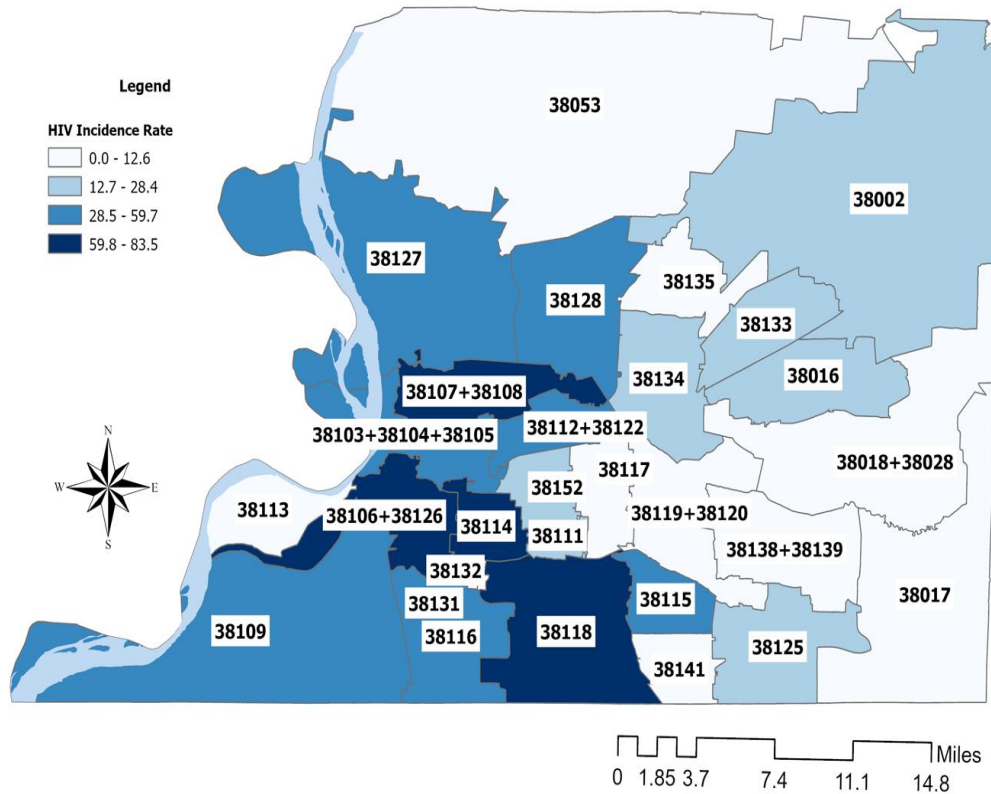


The HIV incidence rate was on a declining trend from 2013 to 2017, however, the rate has increased since 2020 by 52% as of 2023. Preliminary data for 2024 shows a slight decrease in new HIV diagnoses, however numbers may be higher when finalized.

Data Source: For 2013-2022, <https://stacks.cdc.gov/>. For the numbers in 2023, HIV Surveillance Report Tables, 2023. Table 18. Published April 29, 2025. For 2024, data received in May 2025 from TDH. *Preliminary data. Subject to updates. Prepared by the SCHD Office of Epidemiology.

HIV Incidence Rates (per 100,000 population)

Shelby County, 2024*

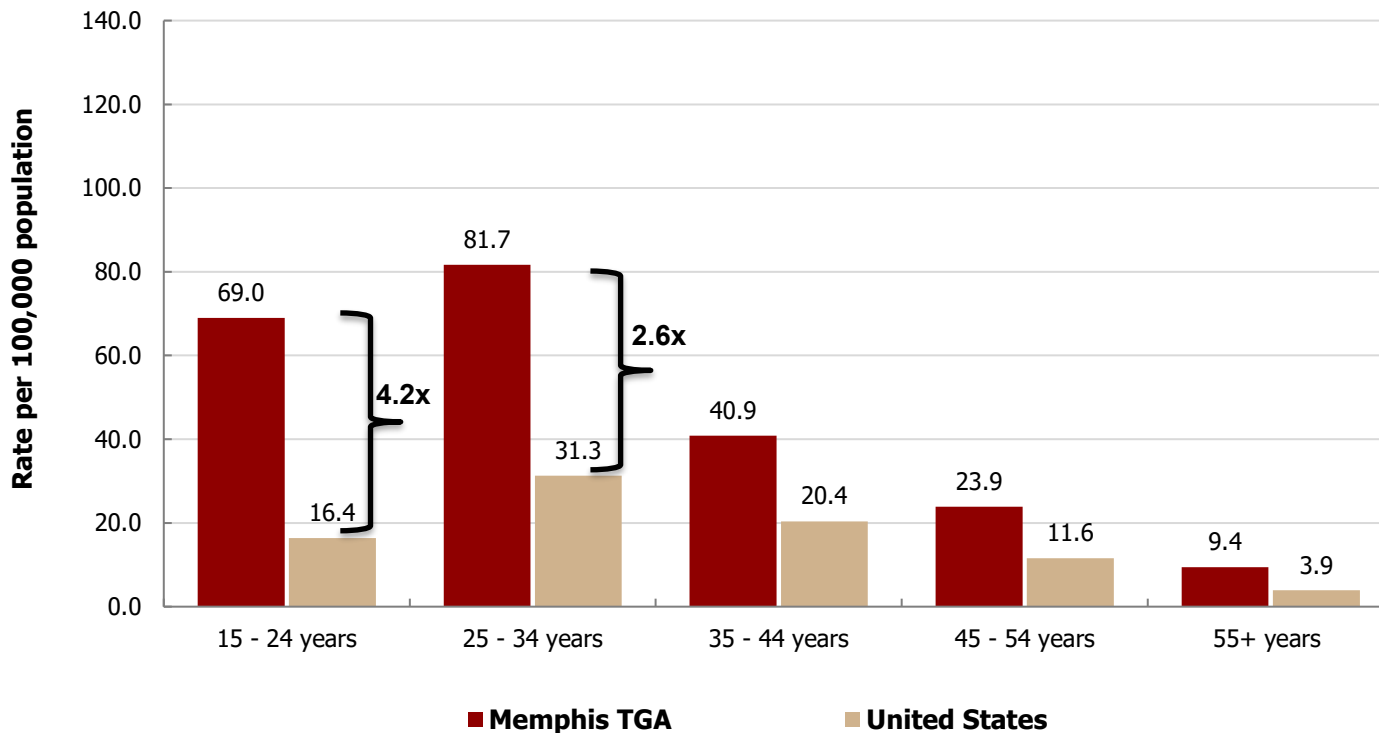


The darkest shaded areas represent the highest rates of new HIV infections, which are predominantly in the west and southwest parts of Shelby County.

Data Source: Data Source: TDH. *Preliminary data. Subject to updates. Prepared by the SCHED Office of Epidemiology.

Rates of New HIV Cases (per 100,000 population) by Age Group

Memphis TGA vs. United States, 2023

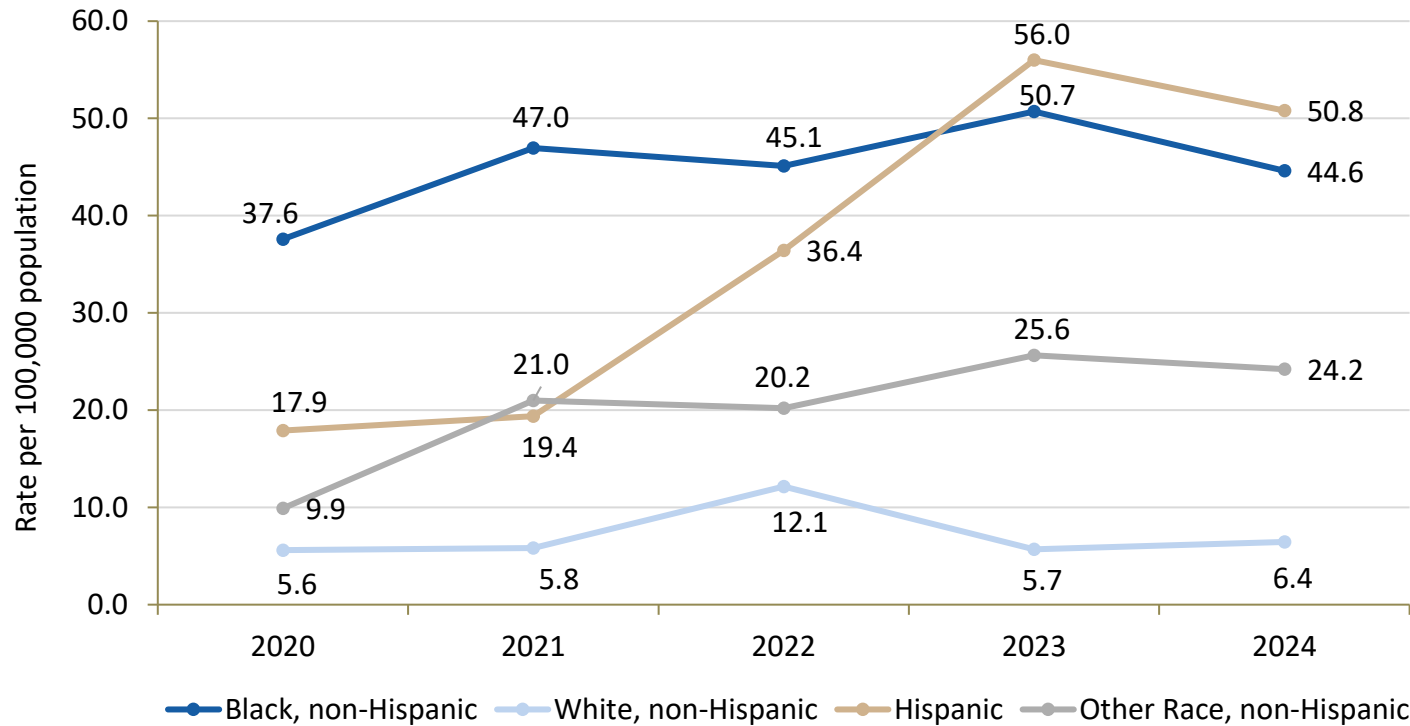


Compared to U.S. rates, the Memphis TGA experienced much higher newly diagnosed HIV rates for all age groups. Those 24-35 years old were more than 2.5x higher, and those 15-24 years old, were more than 4x higher than the same age groups in the U.S.

Data Source: U.S. Census Bureau. Centers for Disease Control and Prevention. HIV Diagnoses, Deaths, and Prevalence: 2025 Update. https://www.cdc.gov/hiv-data/nhss/hiv-diagnoses-deaths-and-prevalence-2025.html#cdc_survey_profile_key_findings-key-findings. Accessed April 29, 2025. TDH, ADH, MSDH. Prepared by the SCHED Office of Epidemiology.

Rates of New HIV Cases (per 100,000 population) time trend by Race/Ethnicity

Memphis TGA, 2020 – 2024*

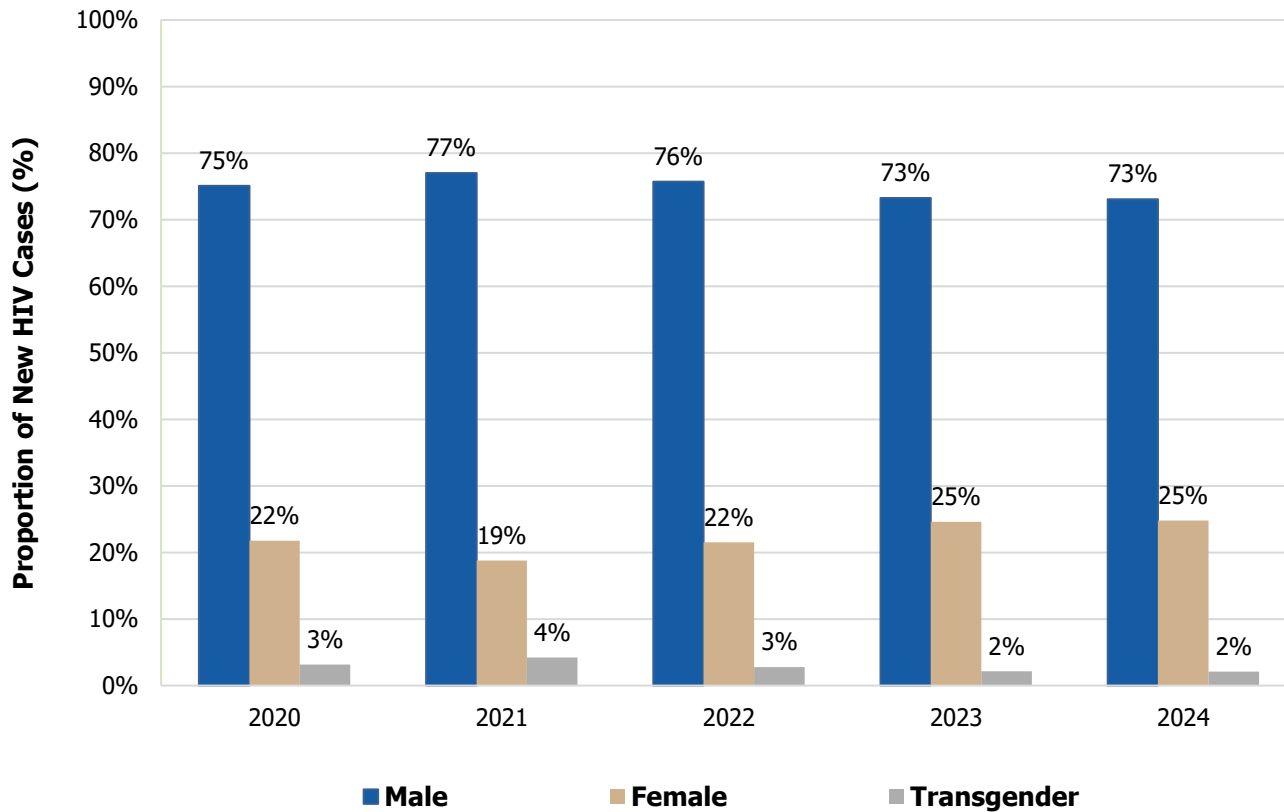


Non-Hispanic Blacks throughout the 5-year trend have had high rates of HIV infection compared to the other races/ethnicities. However, in recent years, there has been a sharp increase in new HIV infection rates for Hispanics/Latinos with the highest rate in 2023 at 56.0 per 100,000 population. Their rates continue to be high in 2024 at 50.8 per 100,000 population.

Data Source: TDH, ADH, MSDH. *Preliminary data. Subject to updates. US Census Bureau: American Community Survey 5-Year Estimates and Decennial Census. Prepared by the SCHD Office of Epidemiology.

New HIV Disease Proportion by Gender

Memphis TGA, 2020-2024*

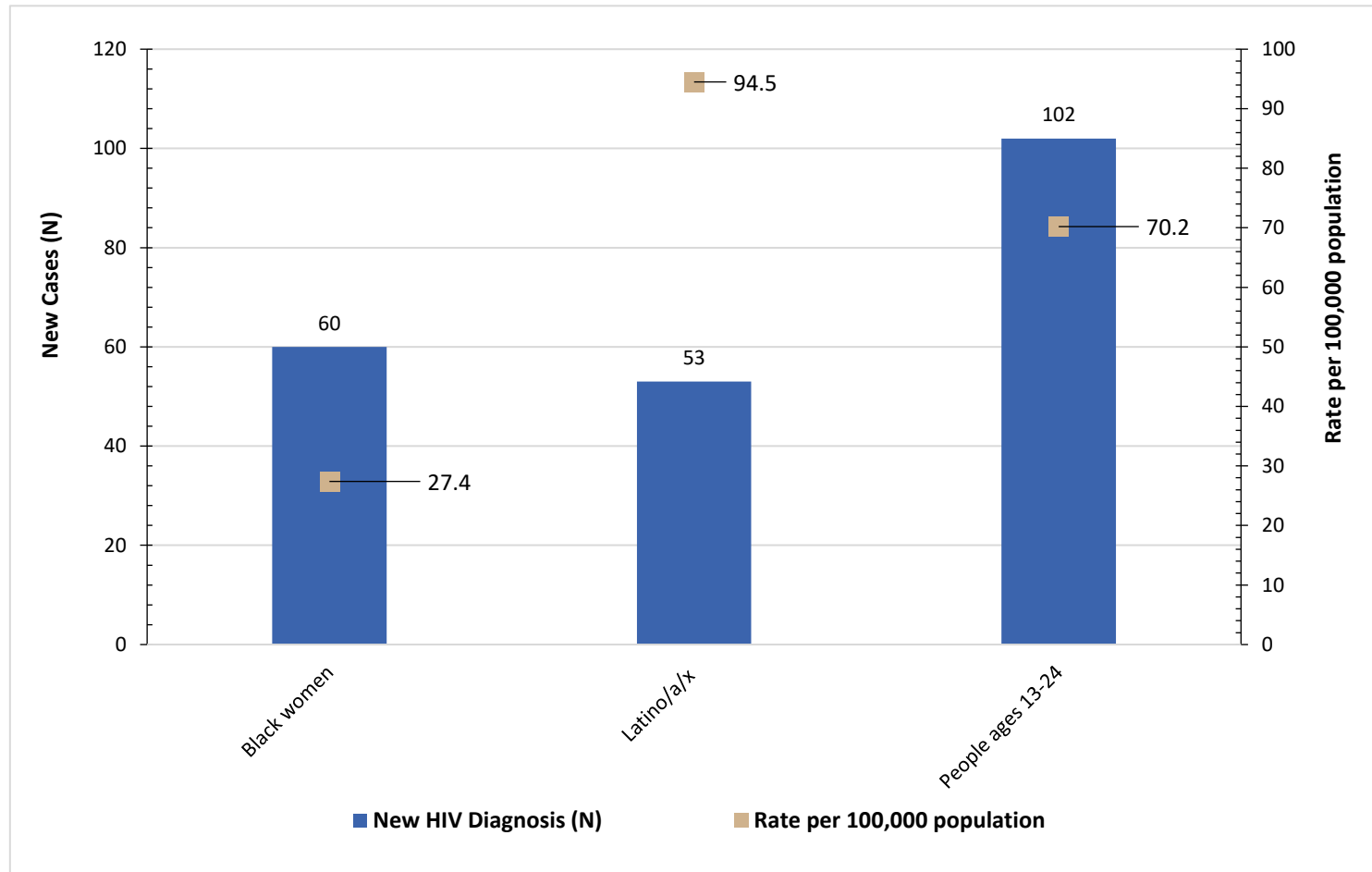


The highest proportion of new HIV cases is among Males, and this has been the case for at least the past 5 years. All three groups remain steady in their proportion of new HIV cases for the 5-year trend.

Data Source: TDH, ADH, MSDH. *Preliminary data. Subject to updates. Prepared by the SCHD Office of Epidemiology.

HIV Incidence in People Age 13 and Older, Special Populations

Shelby County, 2023

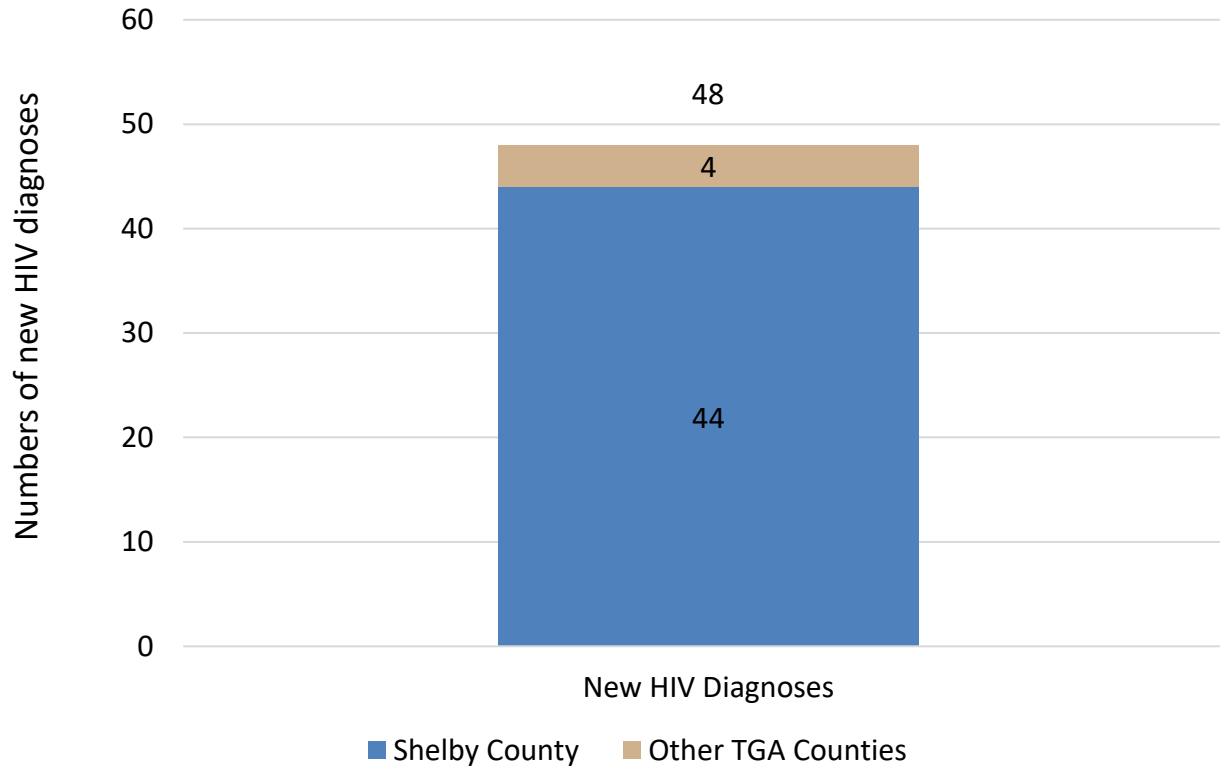


Data Source: Centers for Disease Control and Prevention. National Center for HIV, Viral Hepatitis, STD, and Tuberculosis Prevention. <https://www.cdc.gov/nchstp/about/atlasplus.html>.

Note: The Population of Shelby County Black women in 2023 and Latino/a/x in 2023 only included ages 13 and older.

Number of new HIV diagnoses among Latinos/Hispanics

Shelby County and Memphis TGA, 2024 *

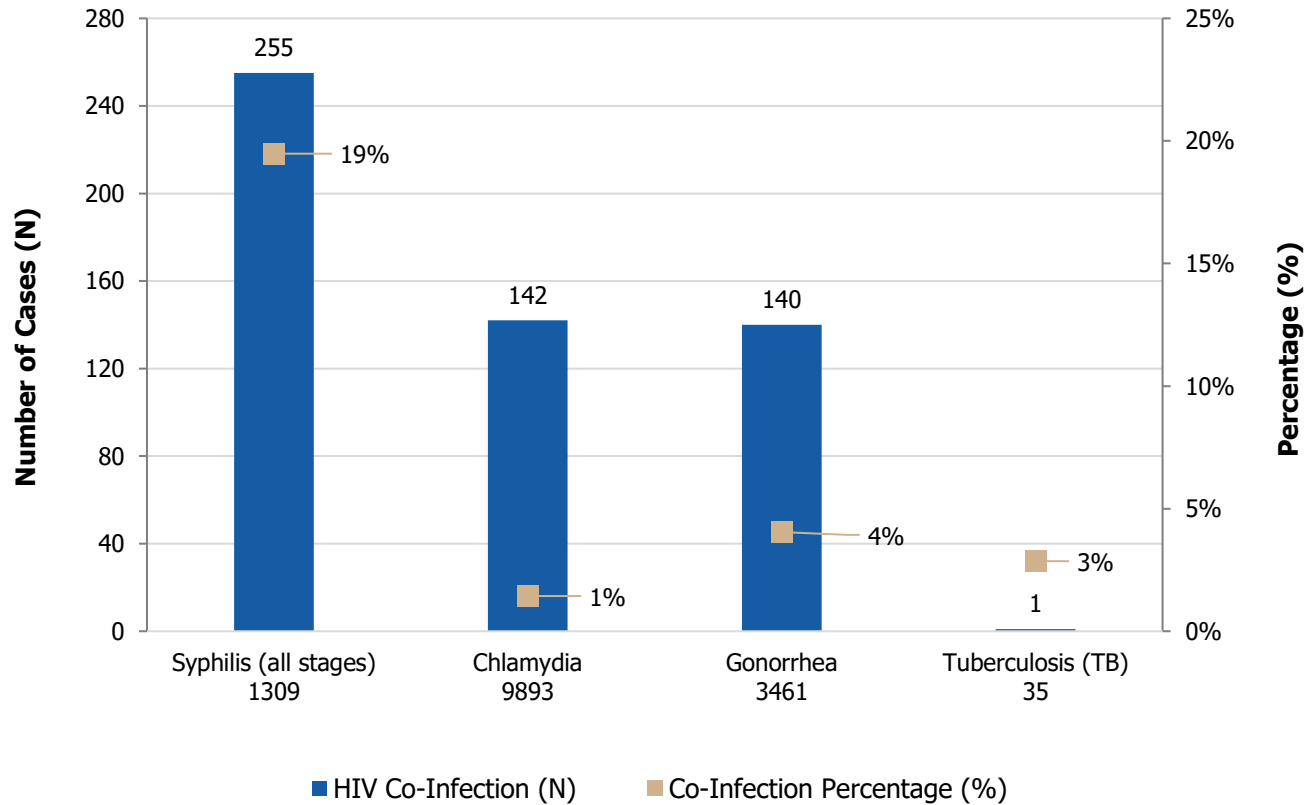


The Transitional Grant Area (TGA) reported 48 new cases in 2024, of which 44 were in Shelby County.

Data Source: TDH, ADH, MSDH. *Preliminary data. Subject to updates. Prepared by the SCHED Office of Epidemiology.

HIV Co-Infection

TN 3 Counties, 2023



The proportion of HIV co-infection was highest (19%) among the Syphilis (all stages) cases, followed by Gonorrhea cases (4%) and Chlamydia cases (1%). Only one case of HIV co-infection among TB cases (3%) was observed in 2023.

Data Source: TDH. Prepared by the SCHED Office of Epidemiology.

HIV Tests at Prevention/Expanded/Publicly Funded Test Sites

TN 3 Counties, 2024*

Test Sites	# of Tests (N)	# of Positives (N)	Test Positivity (%)
Health Department	13,899	543	3.9%
Community Based Organizations (CBOs)	9,795	166	1.7%
Hospitals	5,281	22	0.4%
Total	28,975	731	2.5%

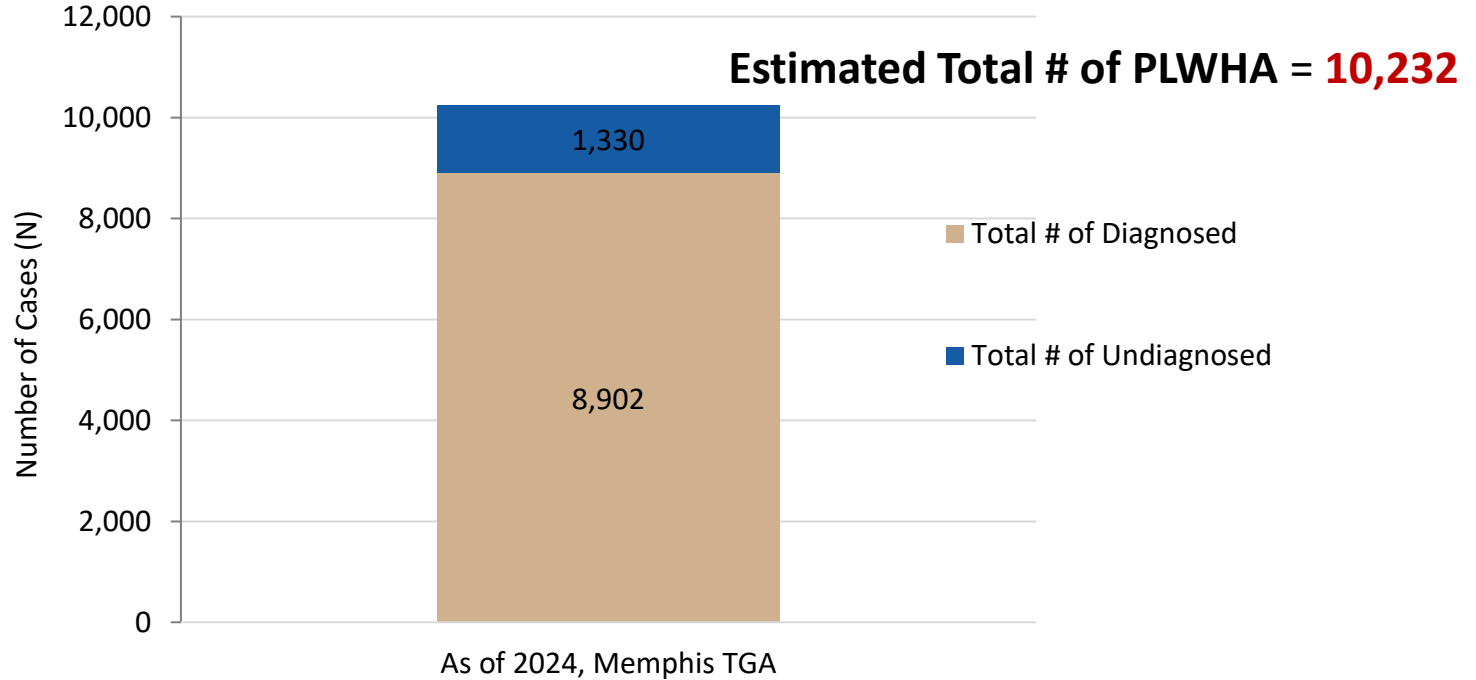
Prevention and expanded test sites include All Shelby, Fayette and Tipton Counties Health Departments; A Betor Way, Children and Family Services, Friends For Life, Hope House, LeBonheur HIV Community Network, MeHarry MAT, Memphis Area Prevention Coalition, OUT Memphis, Partnership to End AIDS Status (PEAS), Planned Parenthood of TN and North MS; Hospitals include: Regional One Health - Hope House, Methodist North – LeBonheur, Methodist South – LeBonheur, Methodist University ED – LeBonheur.

In 2024, the Health Department conducted the highest number of tests (n = 13,899) with a 3.9% positivity rate, followed by CBOs, which conducted 9,795 tests with a 1.7% positivity rate.

Data Source: TDH, Tennessee Evaluation Web. *Data is subject to updates. Prepared by the SCHD Office of Epidemiology.

Estimate of Undiagnosed

Memphis TGA, 2024*



Extended Back Calculation Method uses Memphis TGA prevalence total as of 2024

- P=Based on national proportion of persons not diagnosed = 13%
- N=total number PLWHA in the Memphis TGA as of 2024 = 8,902*

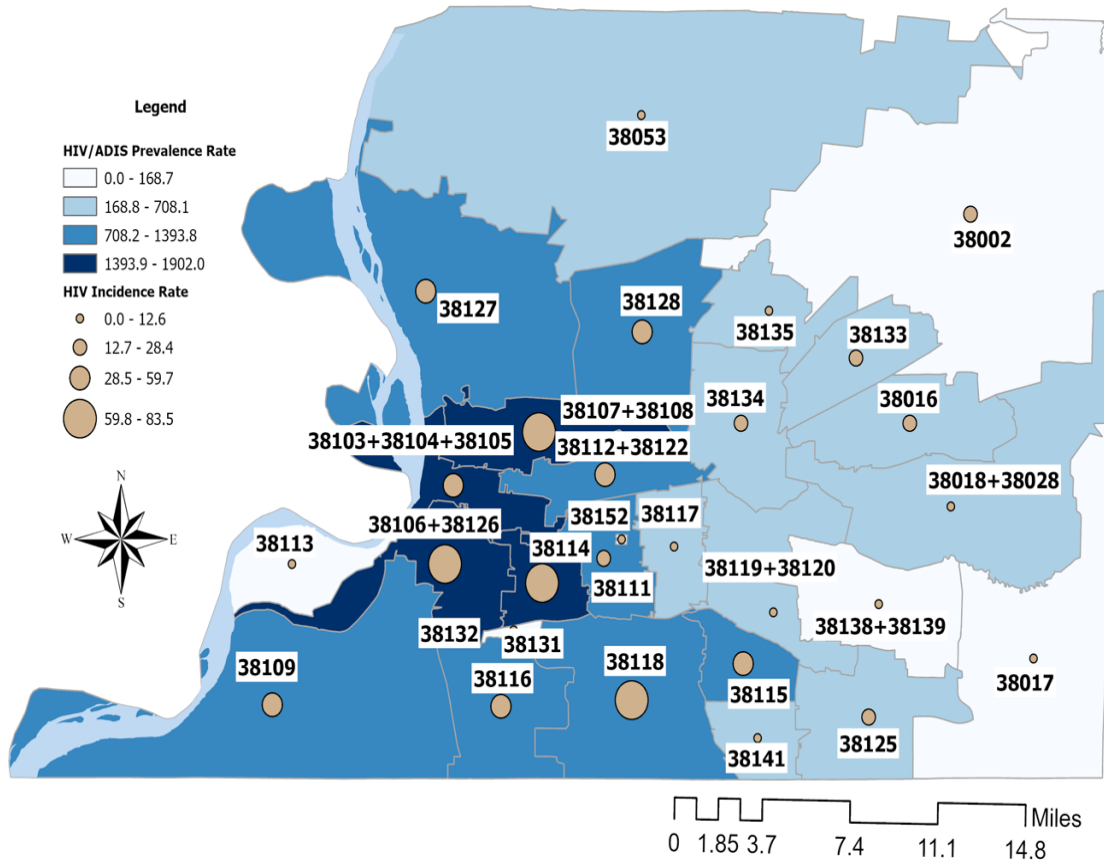
Total number undiagnosed = $P \div (1 - P) \times N = 0.13 \div (1 - 0.13) \times 8,902 = 1,330$

Total number of Estimated Infections in the Memphis TGA = $8,902 + 1,330 = 10,232$

Data Source: TDH, ADH, MSDH. *Preliminary data. Subject to updates. [HIV Care Continuum](#) | [HIV.gov](#). Prepared by the SCHD Office of Epidemiology.

Prevalence & Incidence Rates (per 100,000 population)

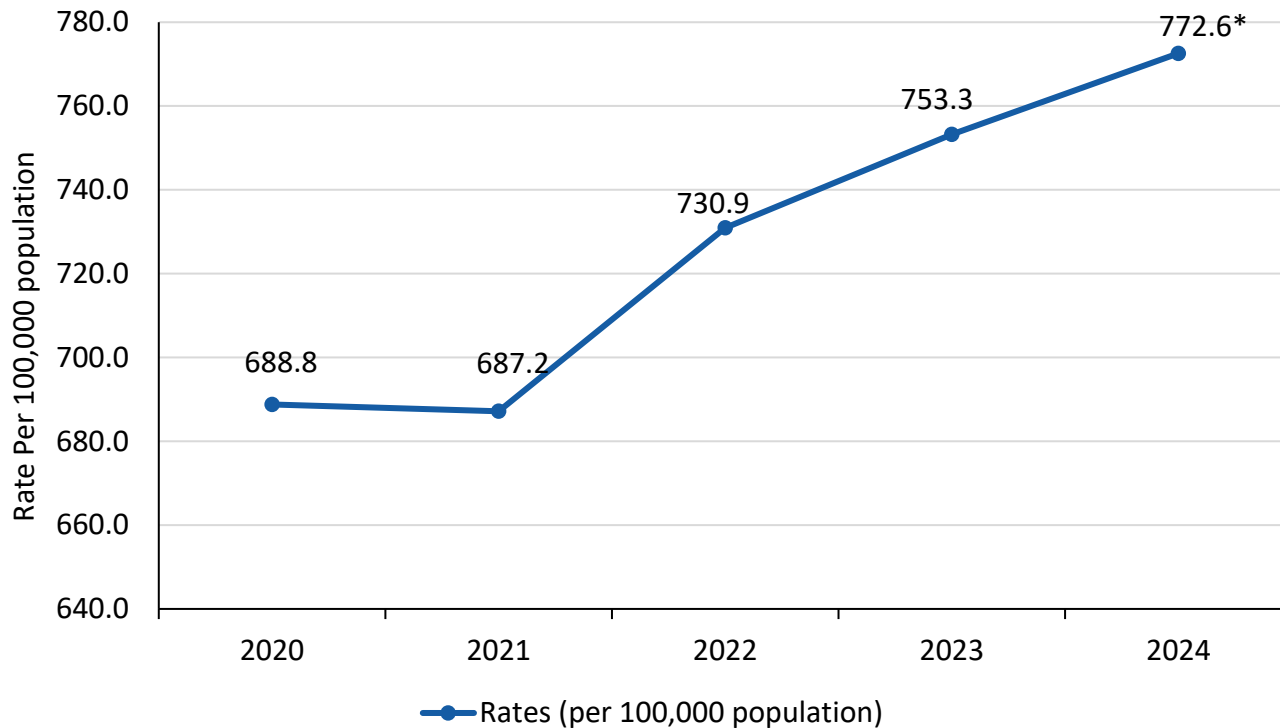
Shelby County, 2024*



The positive correlation between prevalence and incidence rates indicates that these zip code areas need to be considered high-priority areas for resource allocation in terms of HIV testing and care. (Pearson correlation coefficient=0.93)

Data Source: TDH. *Preliminary data. Subject to updates. Prepared by the SCHD Office of Epidemiology.

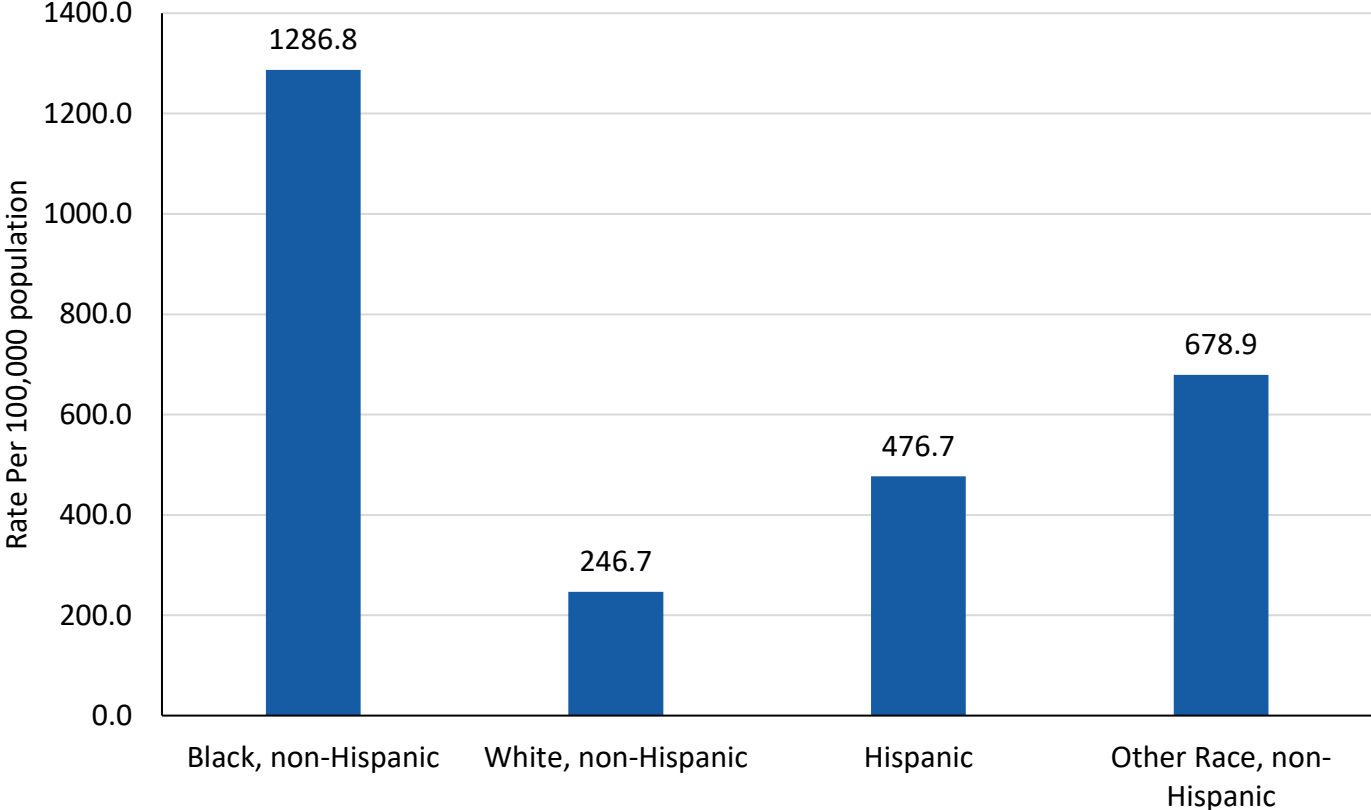
HIV/AIDS Prevalence Rates (per 100,000 population) Shelby County, TN 2020-2024 *



From 2020 to 2024, the HIV/AIDS prevalence rate in Tennessee's 3 counties showed a steady upward trend. The rate started at approximately 688.8 per 100,000 population in 2020, declined slightly to 687.2 in 2021, then increased sharply to 730.9 in 2022, followed by continued growth to 753.3 in 2023 and 772.6 in 2024. Overall, this represents a 12% increase in HIV prevalence over five years.

Data Source: TDH. *Preliminary data. Subject to updates. US Census Bureau: American Community Survey 5-Year Estimates and Decennial Census. Prepared by the SCHD Office of Epidemiology.

Rates of HIV/AIDS prevalence (per 100,000 population) by Race/Ethnicity Shelby County, TN, 2024*



Black, non-Hispanic residents had the highest prevalence rate at 1,286.8 per 100,000 population, more than five times that of White residents. White, non-Hispanic residents had the lowest prevalence rate at 246.7 per 100,000 population.

Data Source: TDH. *Preliminary data. Subject to updates. US Census Bureau: American Community Survey 5-Year Estimates and Decennial Census. Prepared by the SCHD Office of Epidemiology.

HIV/AIDS Prevalence Numbers and Rates (per 100,000 population) by Demographics

Shelby County, TN, 2024*

	HIV/AIDS Prevalence (N)	Rates (per 100k population)
Total	7728	838.0
Gender		
Male	5430	1238.2
Female	2135	441.4
Transgender	163	--
Race/Ethnicity		
Black, non-Hispanic	6248	1286.8
White, non-Hispanic	757	246.7
Hispanic	373	476.7
Other Race, non-Hispanic	350	678.9
Current Age		
0 - 14 years	94	47.9
15 - 19 years	605	1003.6
20 - 24 years	1653	2804.5
25 - 34 years	2704	1984.8
35 - 44 years	1586	1346.8
45 - 54 years	761	693.2
55+ years	325	133.7

Data Source: TDH. *Preliminary data. Subject to updates. US Census Bureau: American Community Survey 5-Year Estimates. Prepared by the SCHD Office of Epidemiology. -- Rates among transgender group cannot be calculated, as population denominator data is unknown.

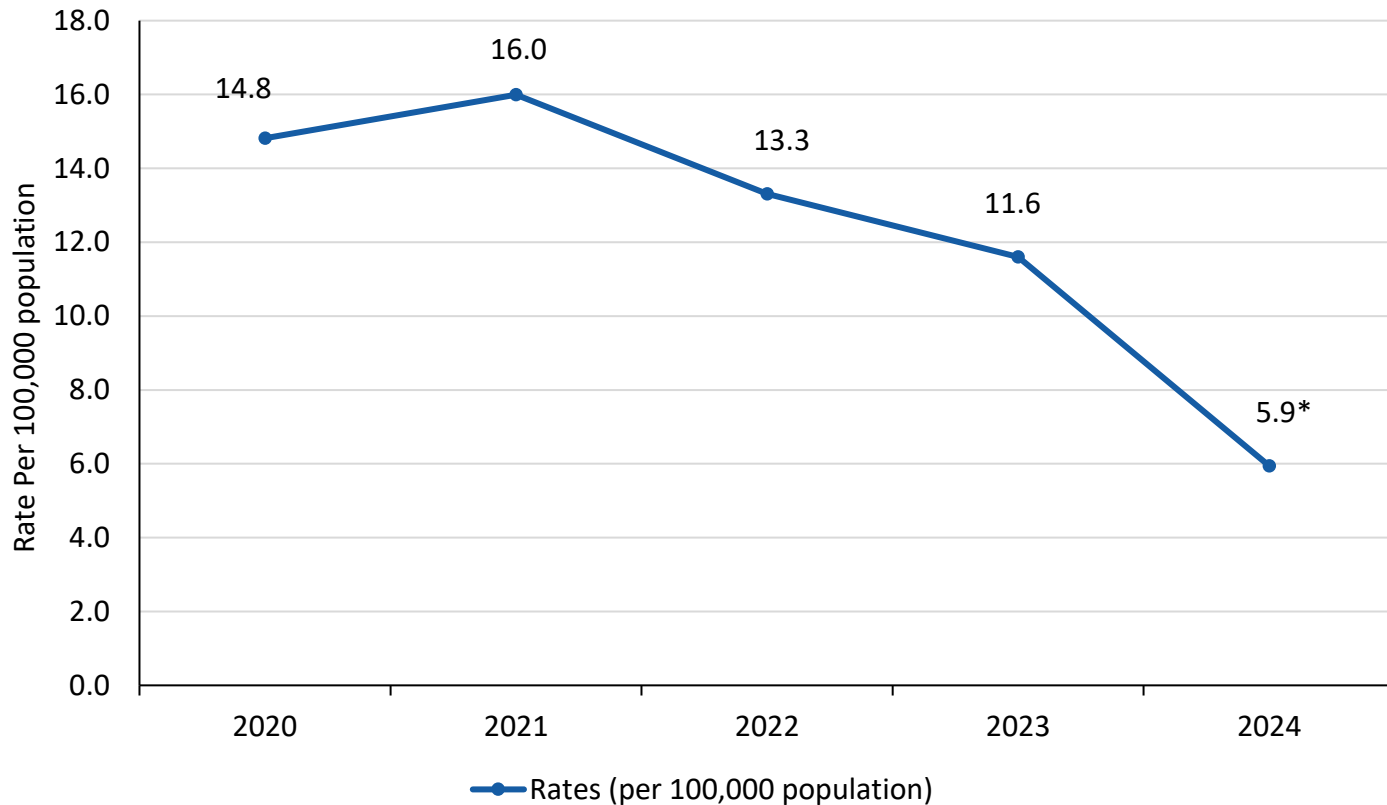
Note: Those who identify as transgender sometimes identify as male or female and may not self-report as transgender or non-binary.

HIV/AIDS Prevalence Numbers and Proportions (per 100,000 population) by Risk Shelby County, TN, 2024*

Exposure Category	HIV/AIDS Prevalence (N)	Proportion (%)
MSM	3466	44.8
Injection Drug Users	203	2.6
MSM & IDU	114	1.5
Heterosexuals	2373	30.7
Perinatal	76	1.0
Other/hemophilia/blood transfusion	161	2.1
Risk not reported or identified	1335	17.3

Data Source: TDH. *Preliminary data. Subject to updates. Prepared by the SCHED Office of Epidemiology.

Crude HIV death rates (per 100,000 population) Shelby County, TN 2020-2024 *

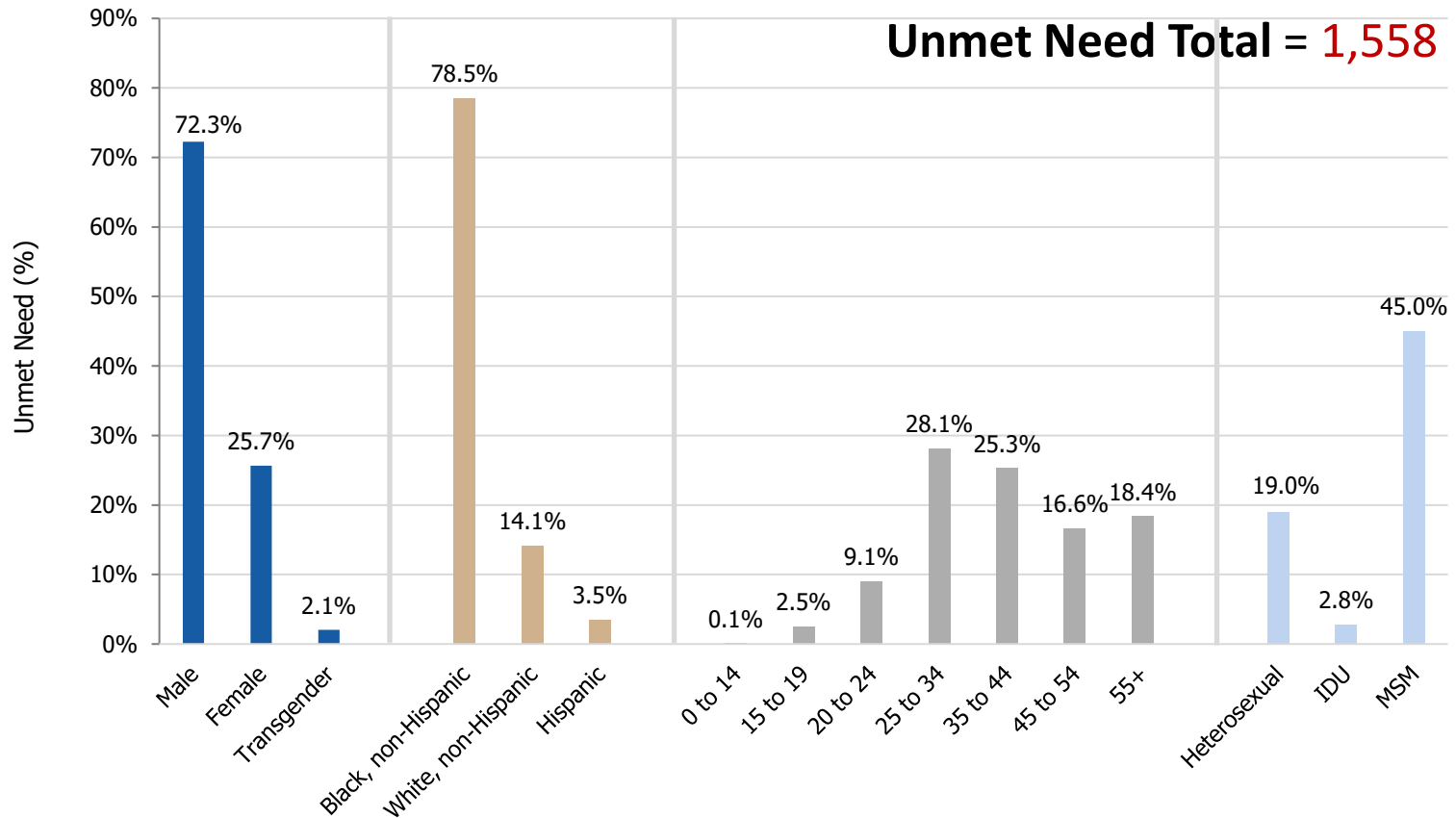


Between 2020 and 2024, Shelby County experienced a steady decline in crude HIV-related death rates. In 2020, the rate was 14.8 deaths per 100,000 population, increased slightly to 16.0 in 2021, then declined to its lowest point of 5.9 in 2024.

Data Source: TDH. *Preliminary data. Subject to updates. US Census Bureau: American Community Survey 5-Year Estimates and Decennial Census. Prepared by the SCHD Office of Epidemiology.

Demographic Characteristics, Unmet Need

Memphis TGA, 2024*



In 2024, 1,558 PLWHA in Memphis TGA did not receive primary medical care. Of them, 72.3% were males, 78.5% were non-Hispanic Blacks, 28.1% were adults aged 25 to 34 and 45.0% were identified as MSM.

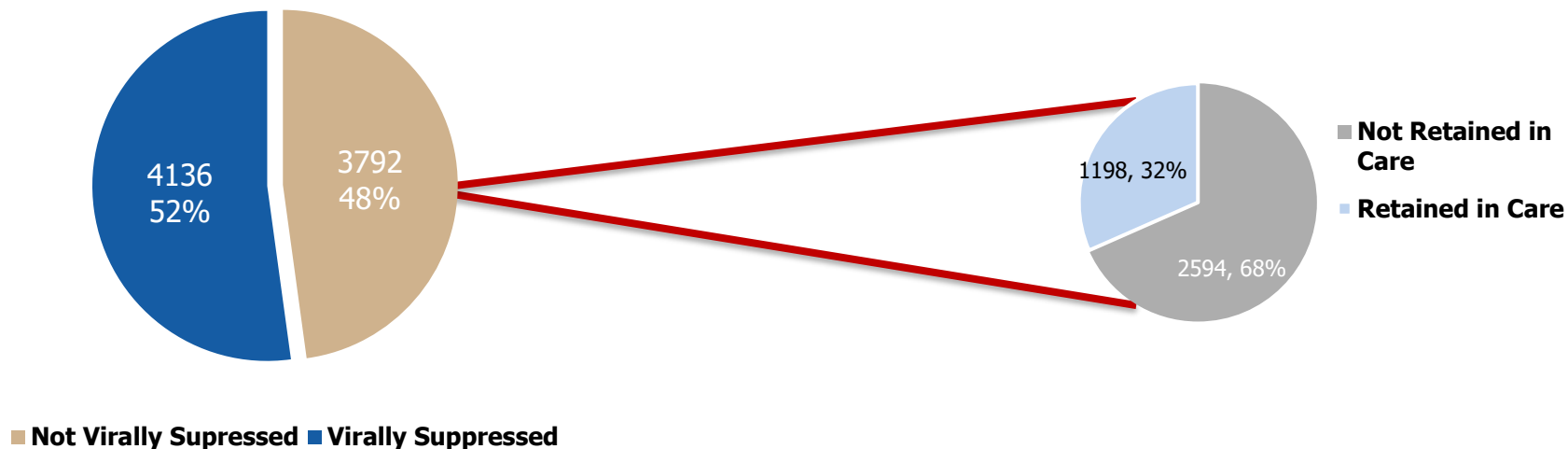
Data Source: TDH, ADH, MSDH. ADAP, IAP, Ryan White CAREWare. *Preliminary data. Subject to updates. Prepared by the SCHD Office of Epidemiology.
 Note: Those who identify as transgender sometimes identify as male or female and may not self-report as transgender or non-binary.

Viral Load Suppression and Retention in Care

TN 3 Counties, 2024*

Total # of PLWHA as of 2024:
7,928

Not Virally Suppressed:
3,792



Among the PLWHA, 48% are not virally suppressed. What is most significant is that most of those not virally suppressed are also not retained in care (68%).

Achieving Viral Suppression: More People with HIV Need to be in Medical Care

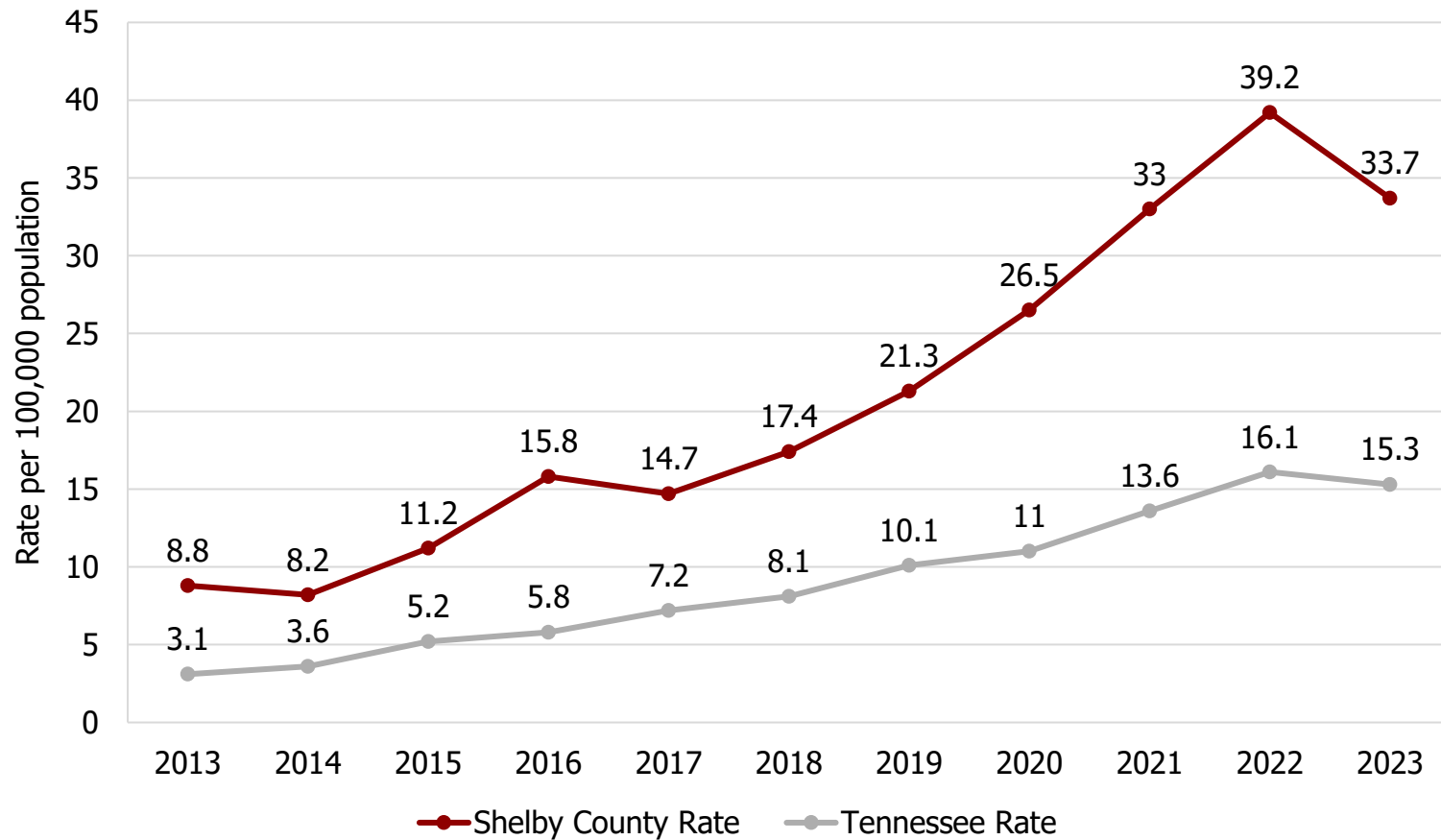
Data Source: TDH. *Preliminary data. Subject to updates.

Note: PLWHA with no viral load test are assumed not to be virally suppressed.

Syphilis (Primary and Secondary) Rates by Year

Shelby County and Tennessee

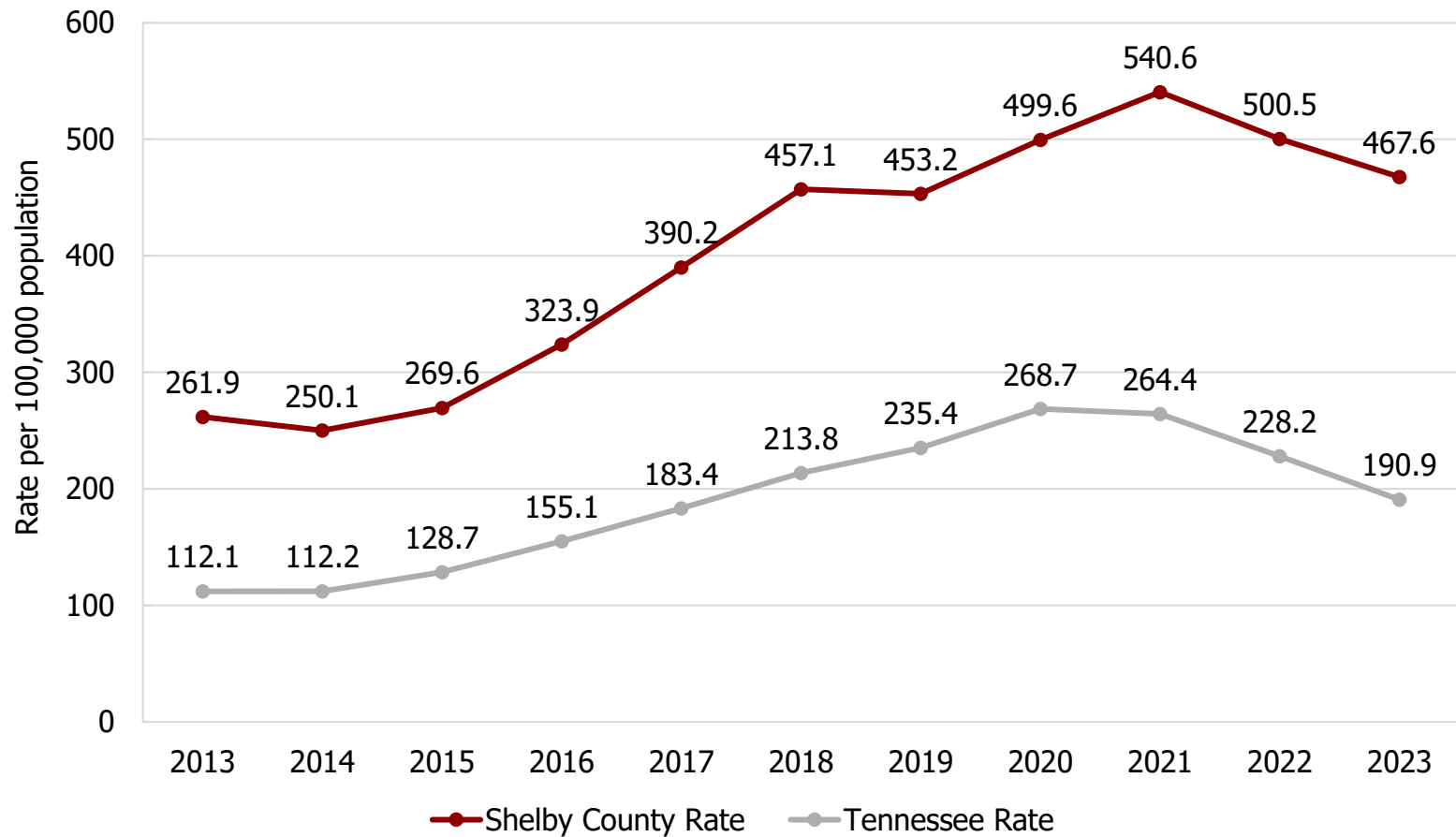
2013-2023



Data Source: TDH. <https://www.tn.gov/health/ceds-weeklyreports/interactive-disease-data.html>. Prepared by SCHED Office of Epidemiology

Gonorrhea Rates by Year - Shelby County and Tennessee

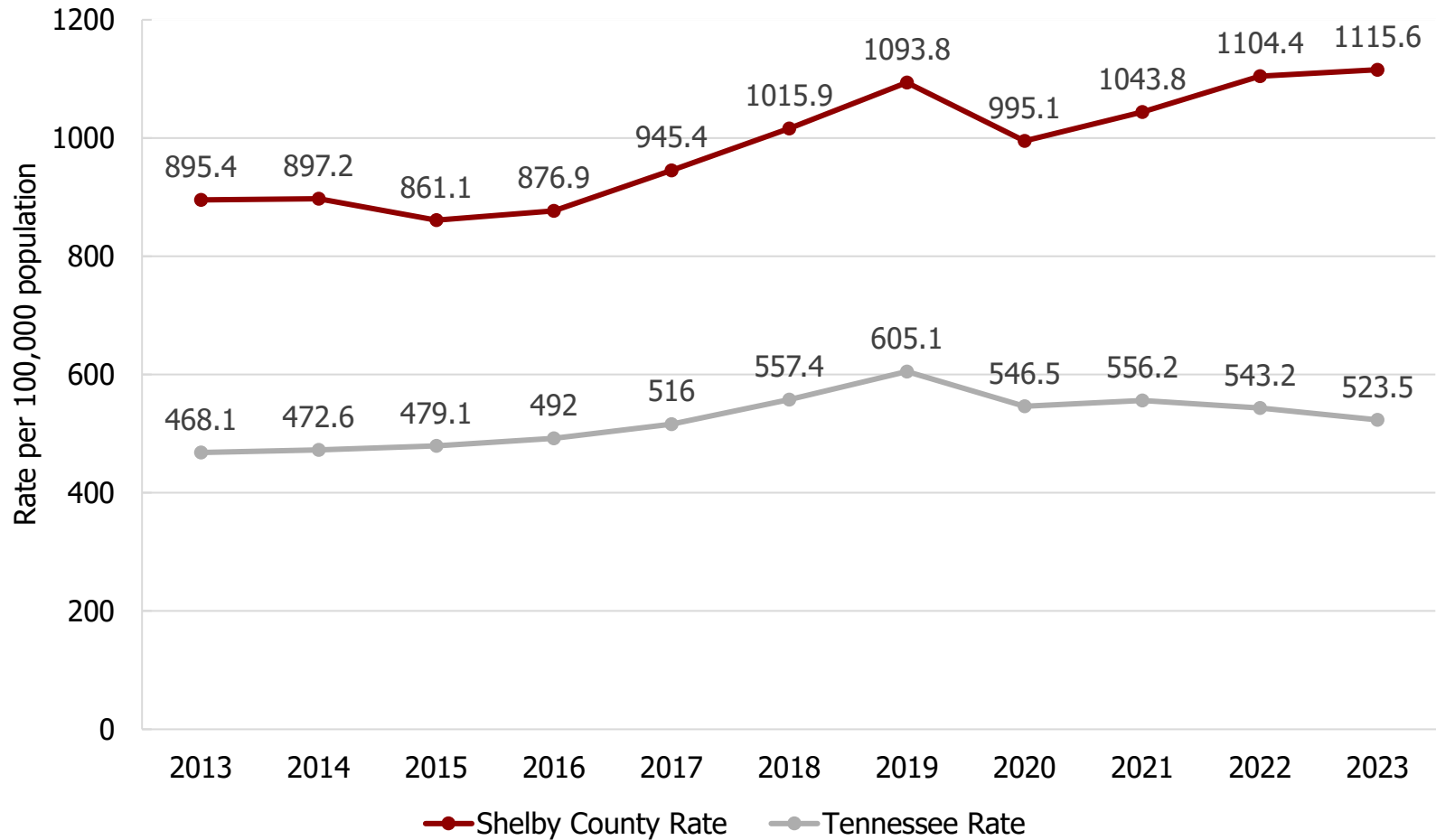
2013-2023



Data Source: TDH. <https://www.tn.gov/health/ceds-weeklyreports/interactive-disease-data.html>. Prepared by SCHED Office of Epidemiology

Chlamydia Rates by Year - Shelby County and Tennessee

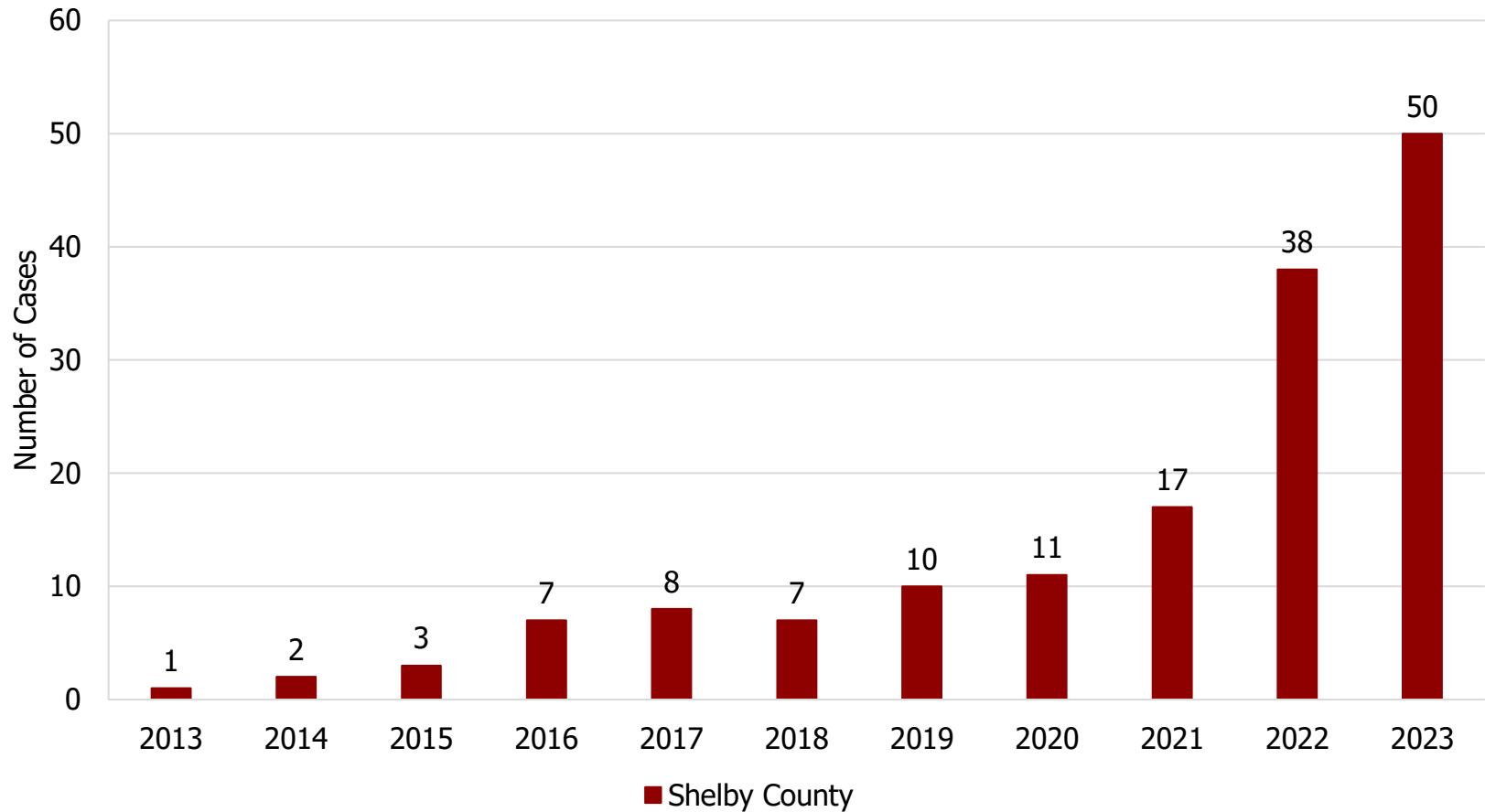
2013-2023



Data Source: TDH. <https://www.tn.gov/health/ceds-weeklyreports/interactive-disease-data.html>. Prepared by SCHD Office of Epidemiology

Congenital Syphilis Cases by Year - Shelby County

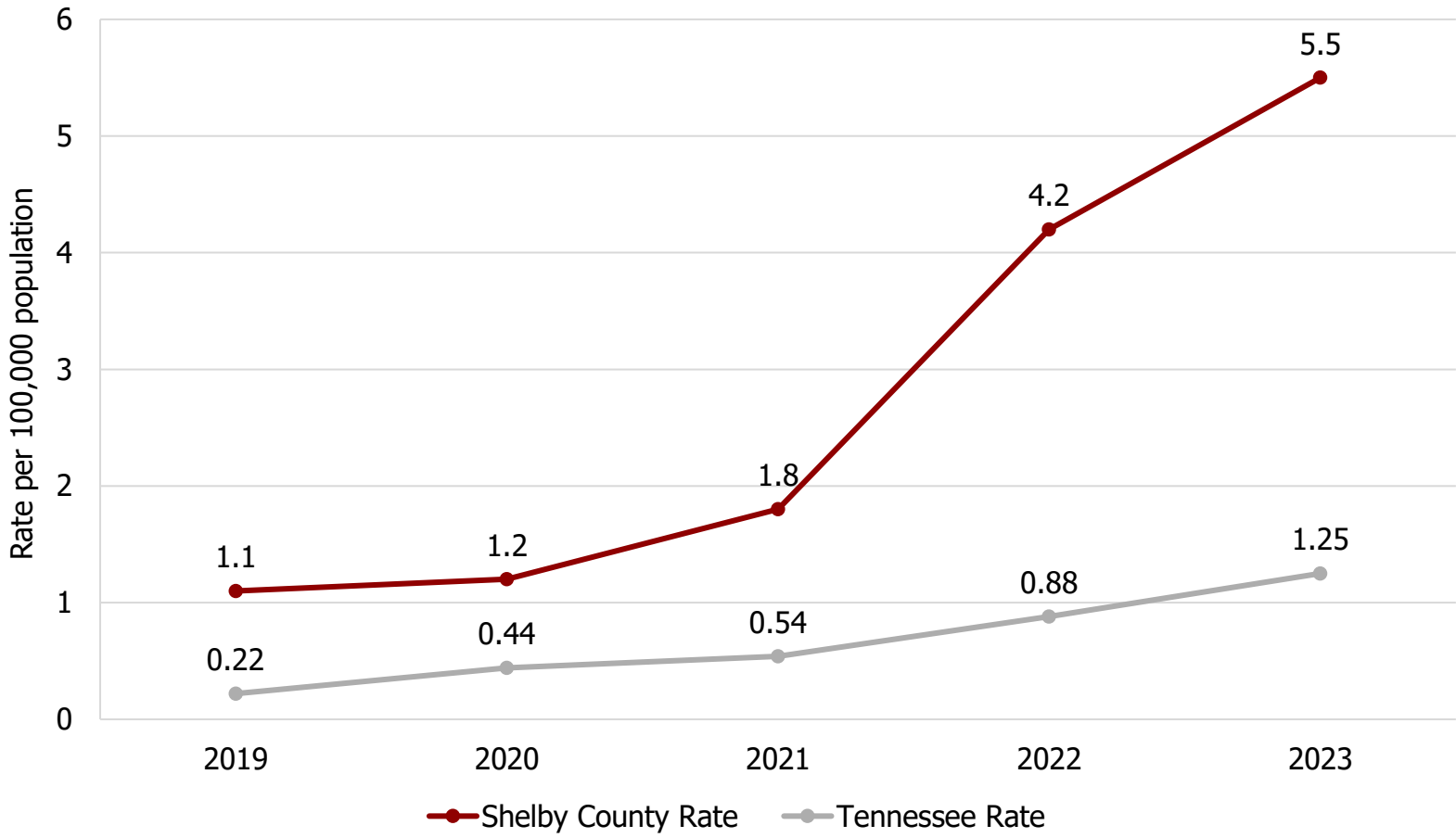
2013-2023



Data Source: TDH. <https://www.tn.gov/health/ceds-weeklyreports/interactive-disease-data.html> and the Patient Reporting Investigation Surveillance Manager (PRISM). Prepared by SCHD Office of Epidemiology

Congenital Syphilis Rates by Year - Shelby County and Tennessee

2019-2023



Data Source: TDH. <https://www.tn.gov/health/ceds-weeklyreports/interactive-disease-data.html>. Prepared by SCHD Office of Epidemiology

