

# **Sexually Transmitted Infections (STI)**

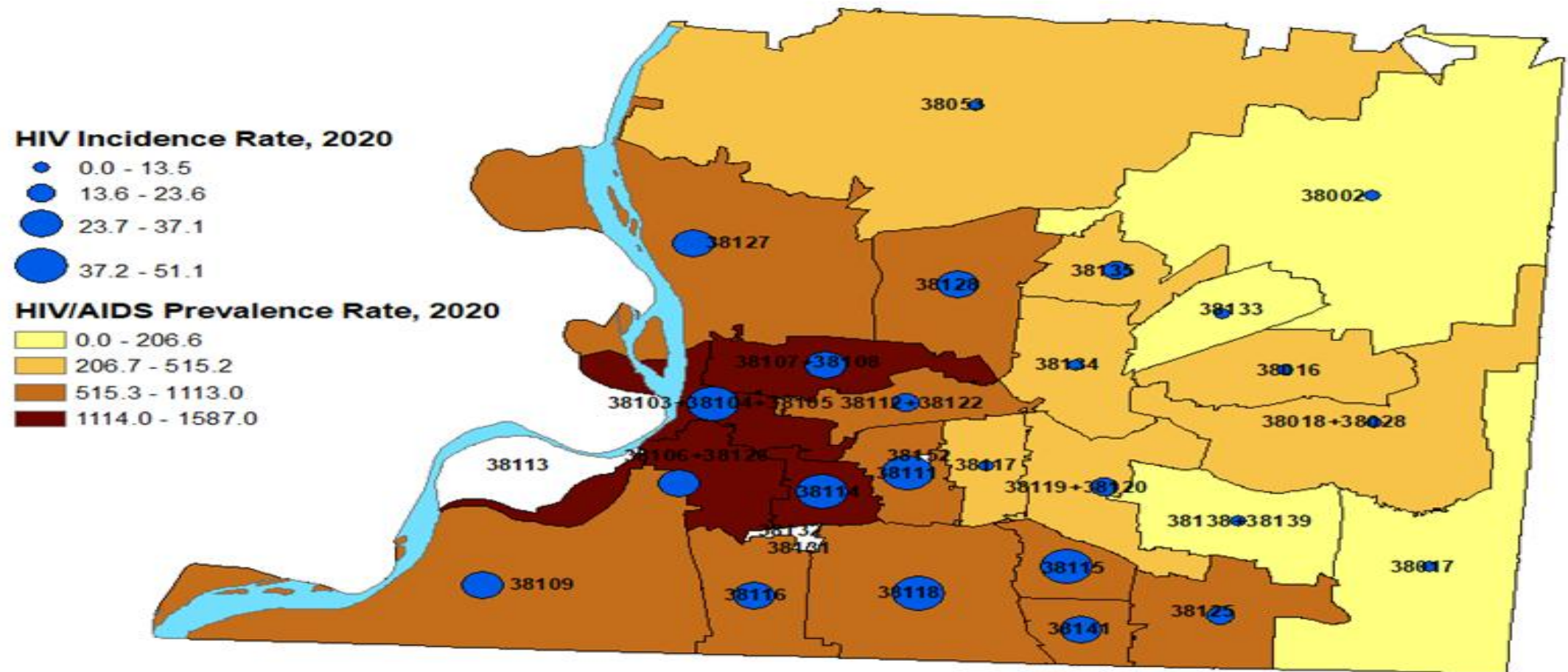
**HIV/AIDS**

# **People living with HIV/AIDS (PLWHA) in Shelby County 2020**

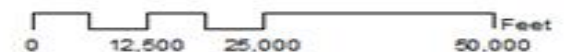
**6,958 PLWHA:**

- **Male 70%**
- **Female 29%**
- **Transgender 1%**
- **Black 83%**
- **Age 15-34 62%**
- **MSM Exposure 44%**
- **Heterosexual Exposure 33%**
- **Injection Drug User (IDU) Exposure 3%**
- **Perinatal Exposure 1%**
- **Risk Not Identified 17%**

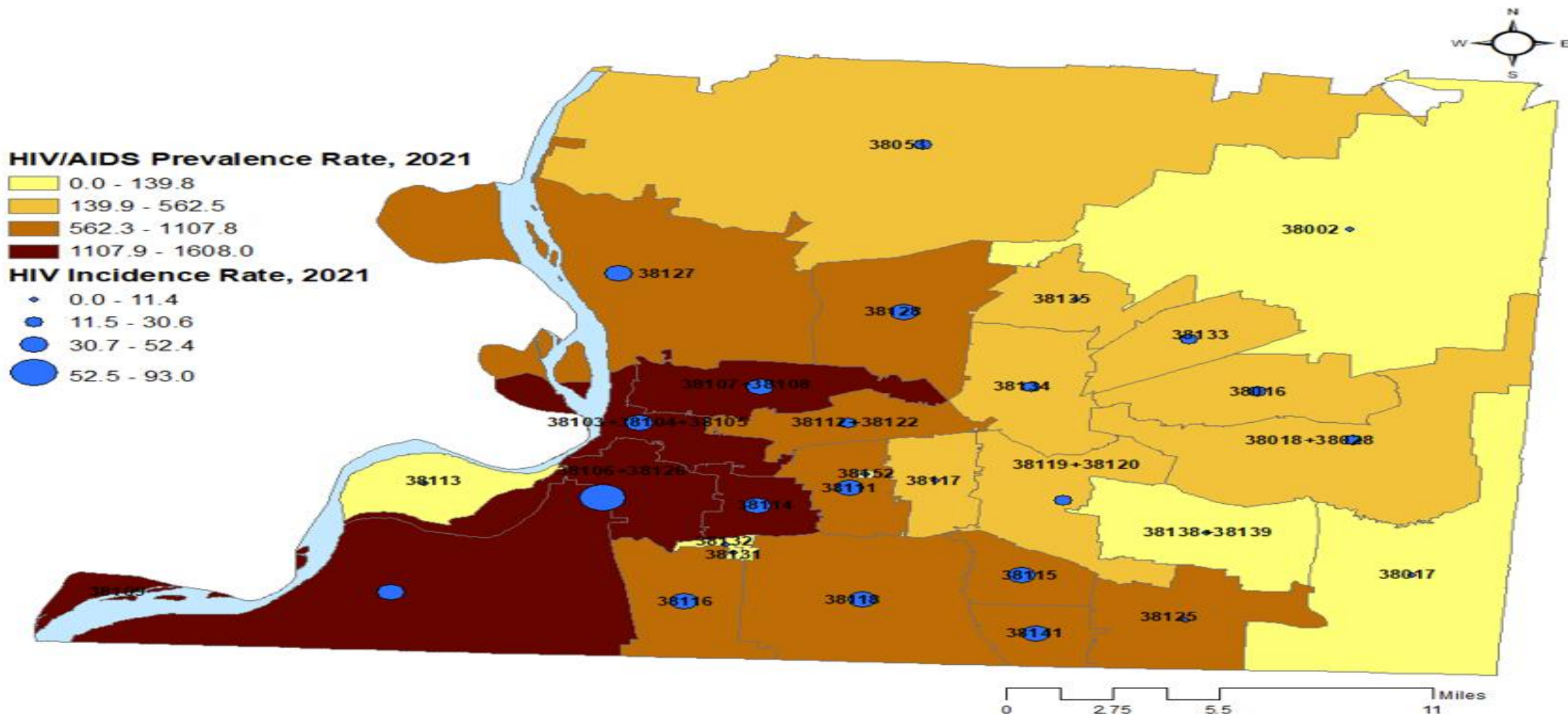
# HIV/AIDS Incidence and Prevalence Rates (per 100,000 population) Shelby County, 2020



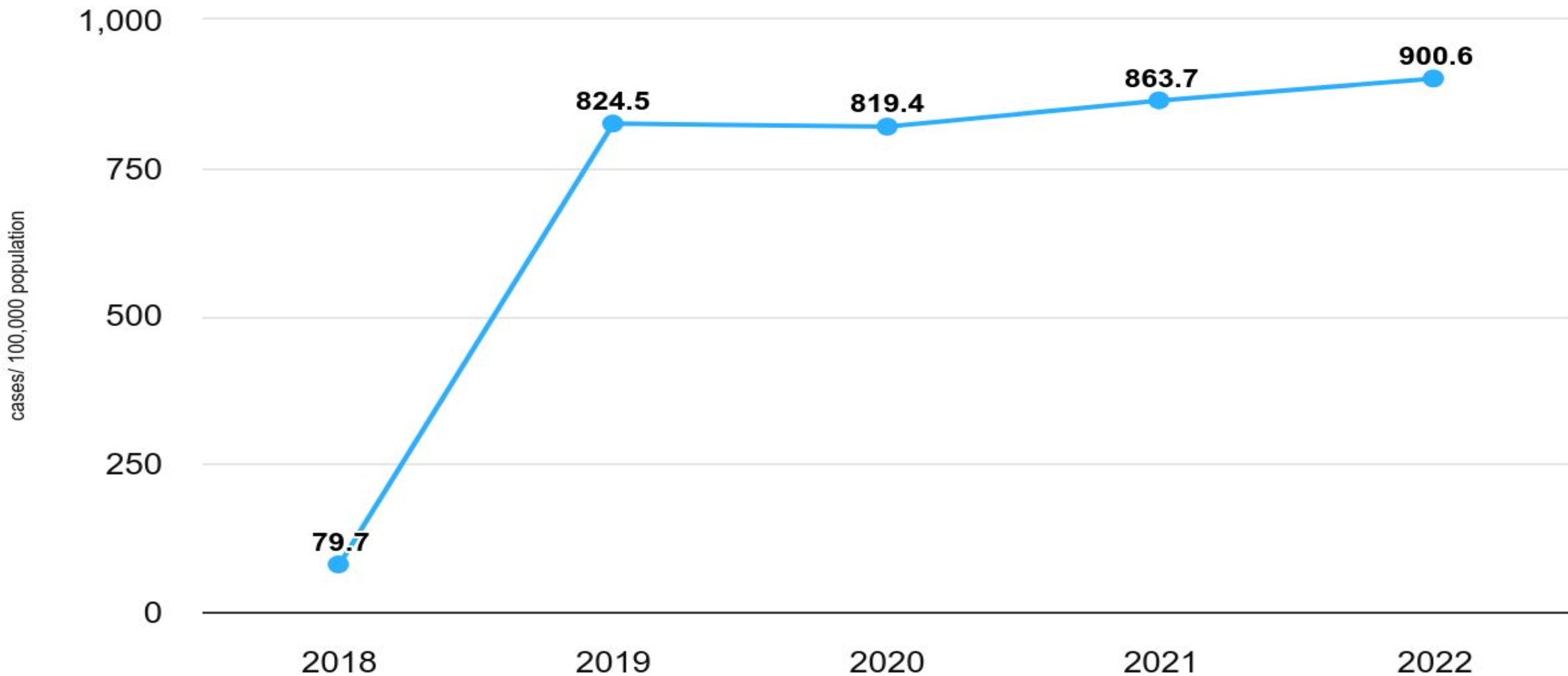
Data Source: eHARS, TN; \*Preliminary data, subject to change.



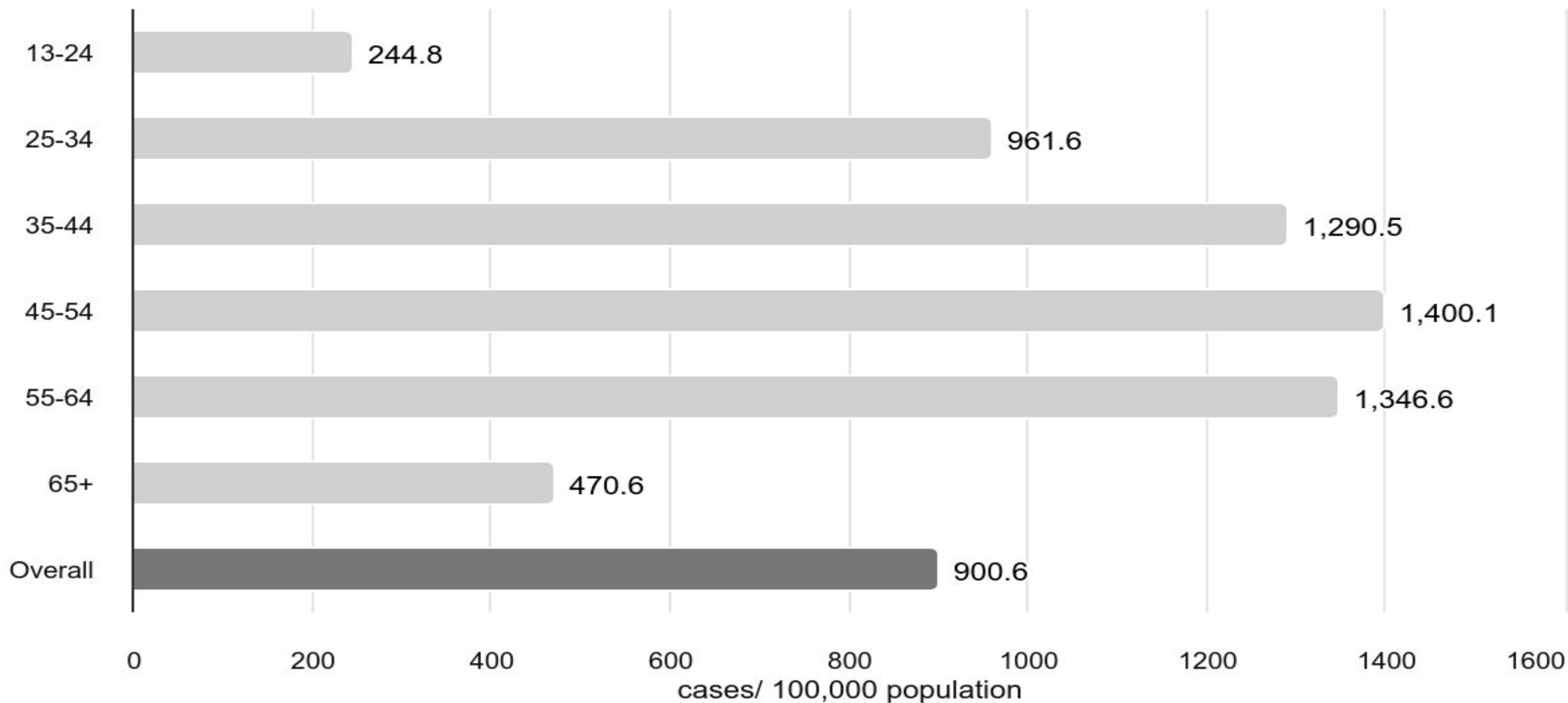
# HIV/AIDS Prevalence & Incidence Rates (per 100,000 population) Shelby County, 2021\*



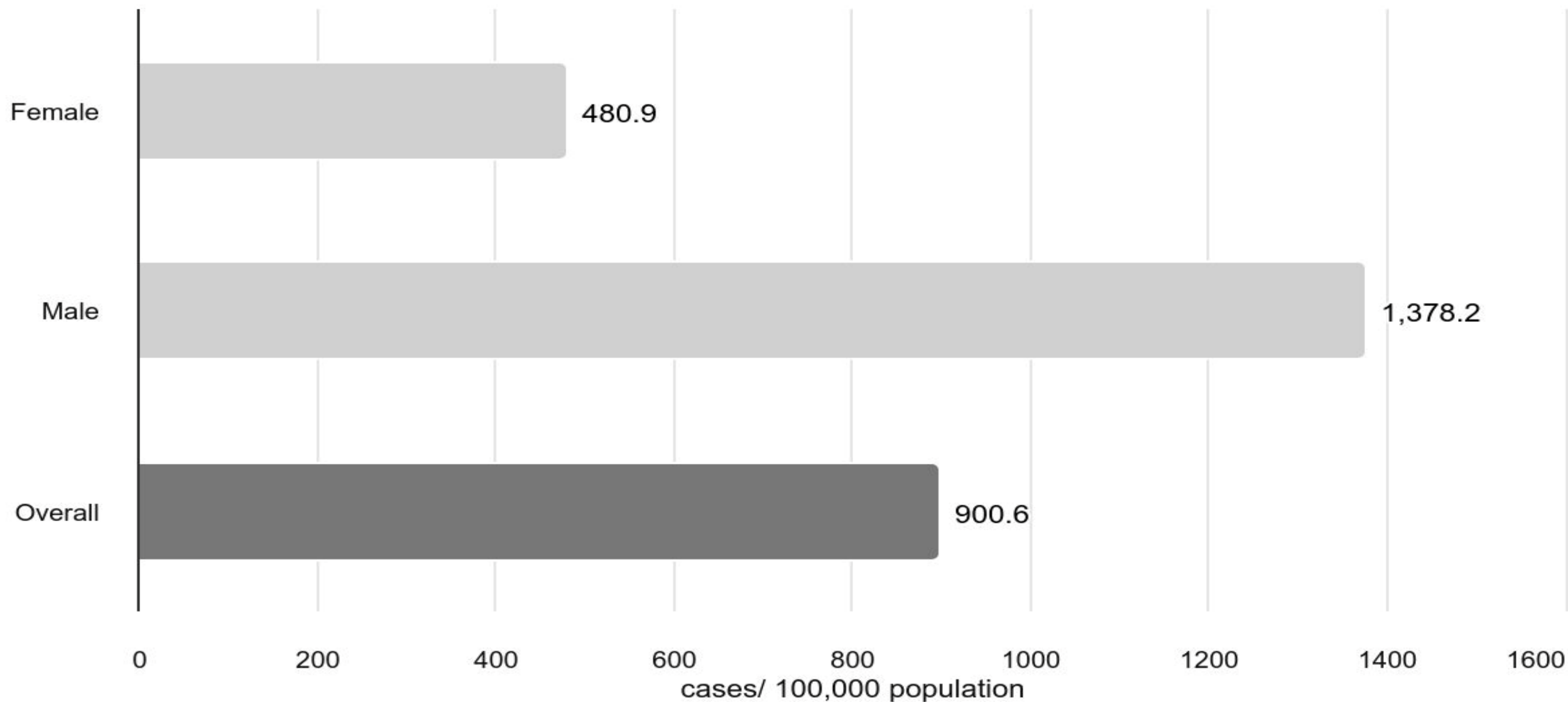
## HIV Prevalence Rate County: Shelby



## HIV Prevalence Rate by Age County: Shelby



## HIV Prevalence Rate by Gender County: Shelby





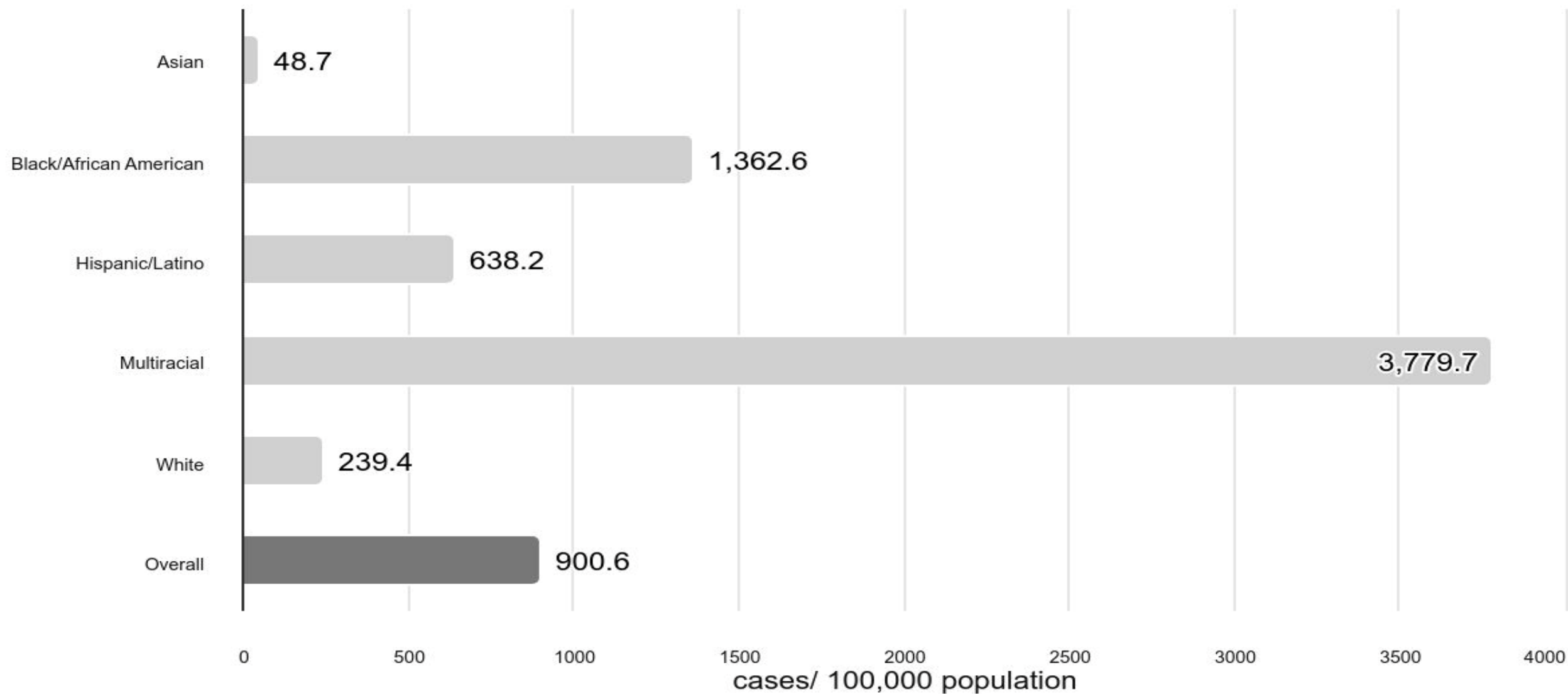
# HIV Prevalence Rates by Sex 2022

Males **1378.2** per 100,000

Females **480.9** per 100,000

Males HIV Prevalence Rate is **2.9 X** higher than Females

## HIV Prevalence Rate by Race/Ethnicity County: Shelby



# HIV Prevalence Rates by Race/Ethnicity 2022

Multiracial **3,779.7** per 100,000

Black/African American **1362.6** per 100,000

Hispanic/Latino **638.2** per 100,000

White **239.4** per 100,000

Asian **48.7** per 100,000

# HIV Prevalence Rates by Race/Ethnicity 2022

Multiracial **3779.7** per 100,000

VS

White **239.4** per 100,000

Multiracial HIV Prevalence Rate is **15.8 X** higher than Whites

# HIV Prevalence Rates by Race/Ethnicity 2022

Multiracial **3779.7** per 100,000

VS

Black/African American **1362.6** per 100,000

Multiracial HIV Prevalence Rate is **2.8 X** higher than Blacks

# HIV Prevalence Rates by Race/Ethnicity 2022

Black/African American **1362.6** per 100,000

VS

White **239.4** per 100,000

Black HIV Prevalence Rate is **5.7 X** higher than Whites

# HIV Prevalence Rates by Race/Ethnicity 2022

Black/African American **1362.6** per 100,000

VS

Hispanic/Latino **638.2** per 100,000

Black/African American Prevalence Rate is **2.1 X** higher than Hispanic/Latino

# HIV Prevalence Rates by Race/Ethnicity 2022

Black/African American **1362.6** per 100,000

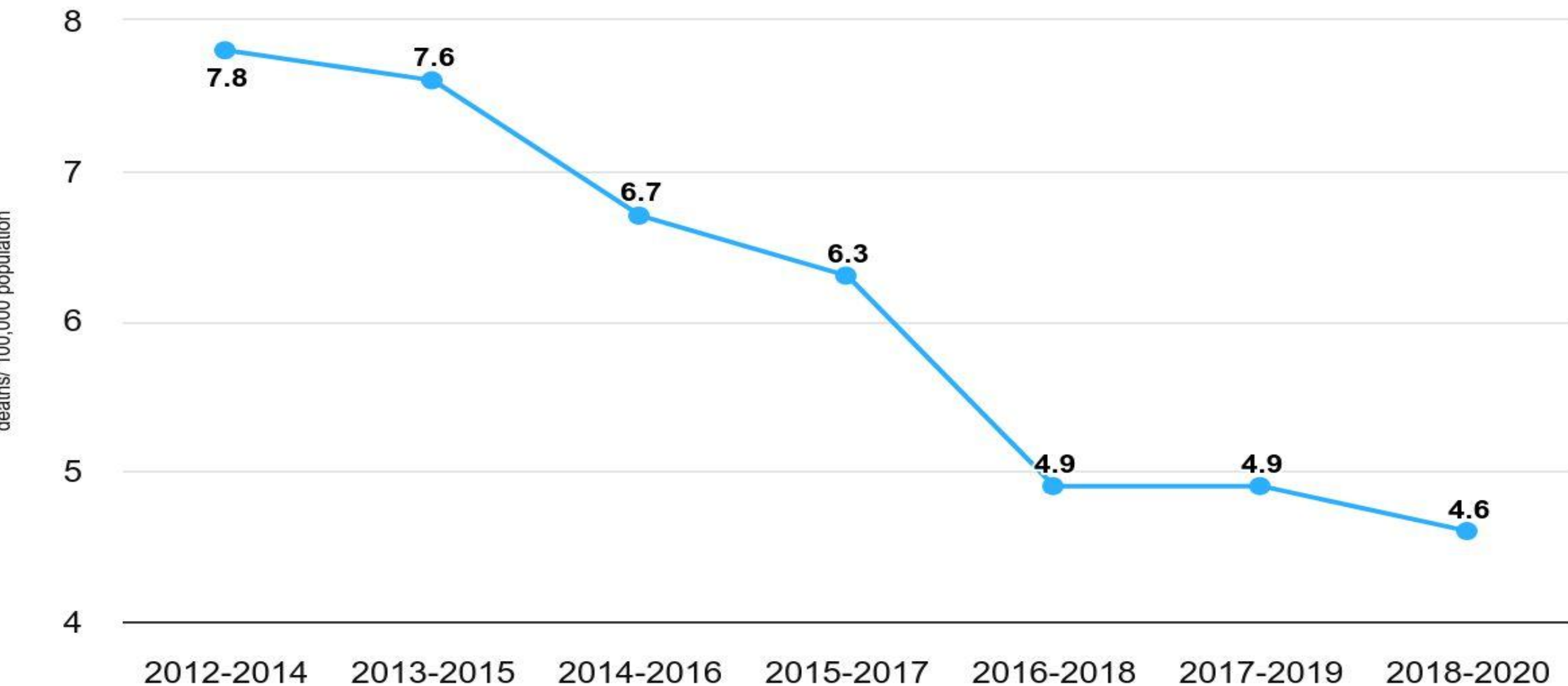
VS

Asian **48.7** per 100,000

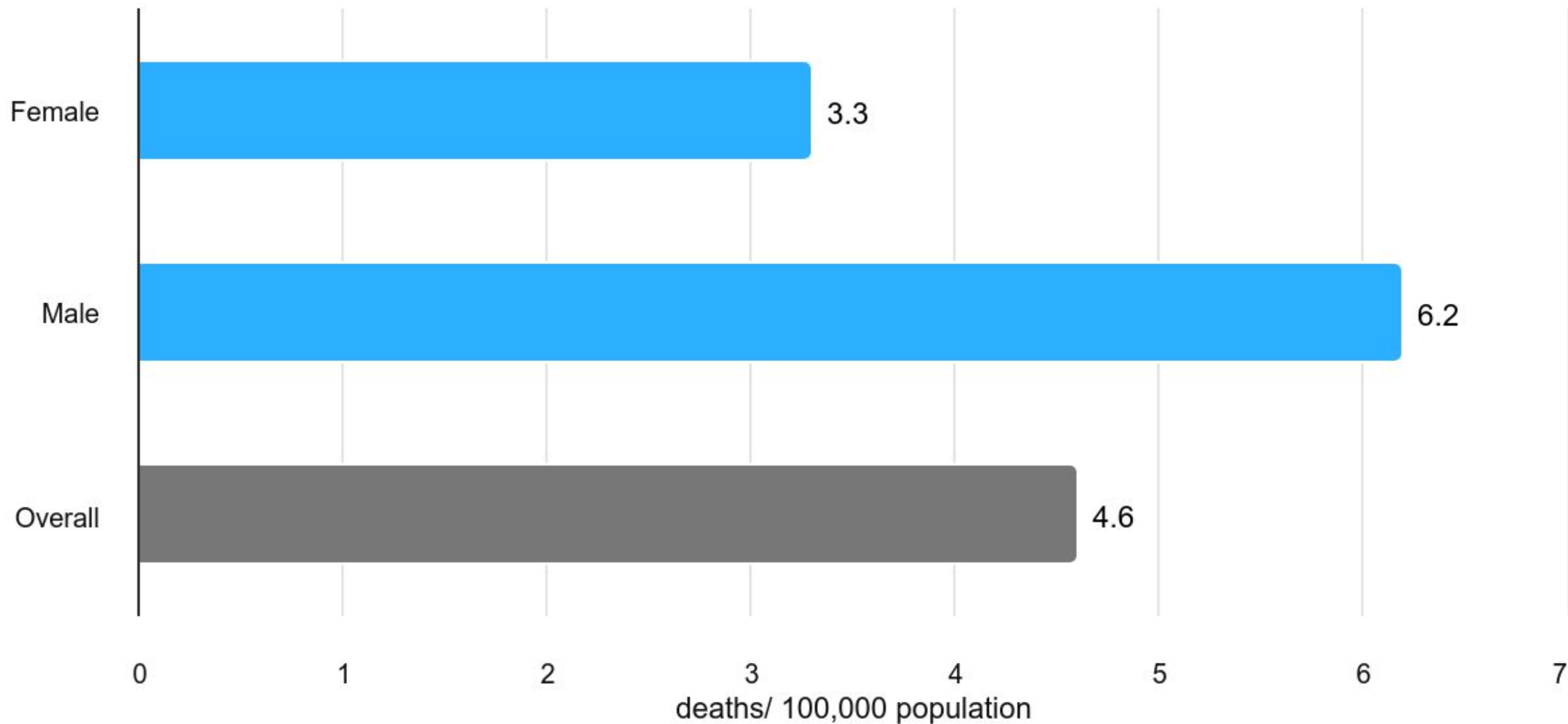
Black Prevalence Rate is **28 X** higher than Asians



## Age-Adjusted Death Rate due to HIV County: Shelby



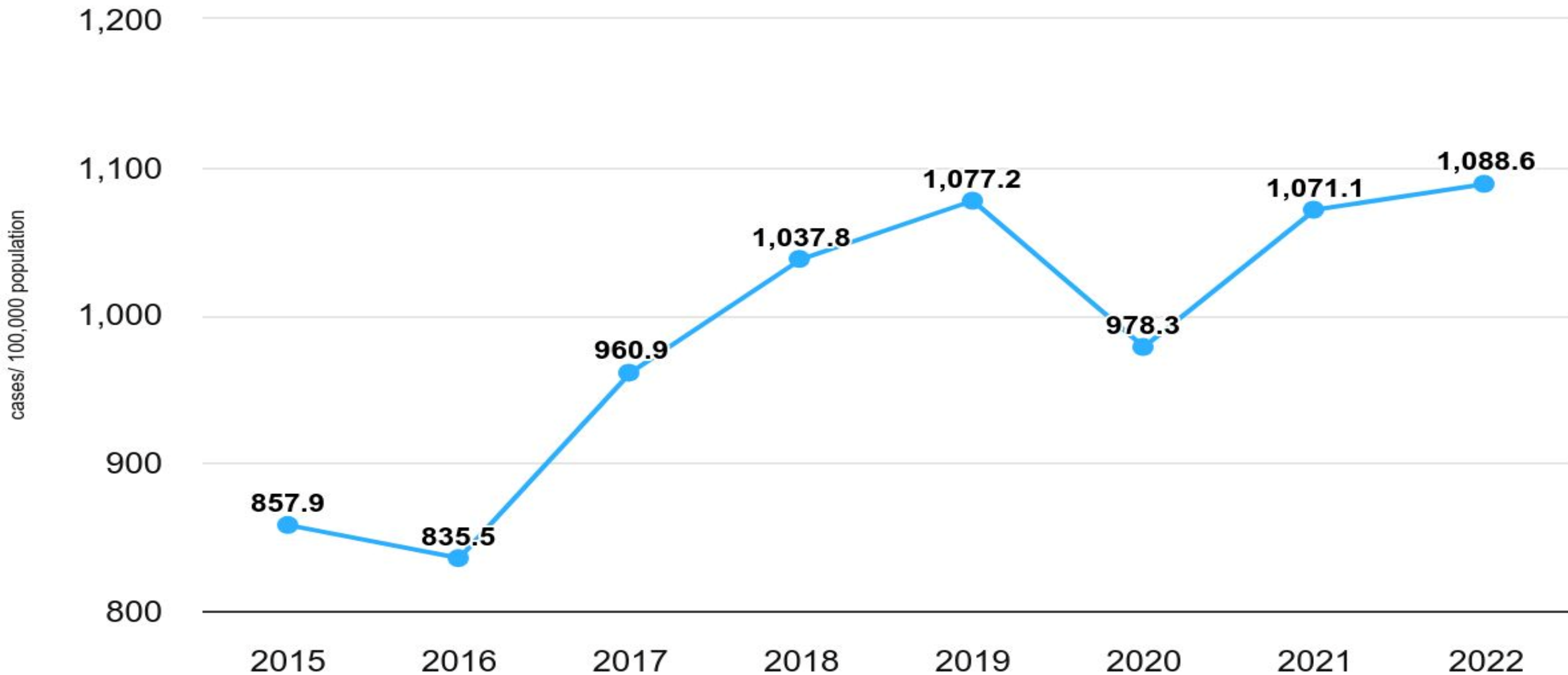
## Age-Adjusted Death Rate due to HIV by Gender County: Shelby



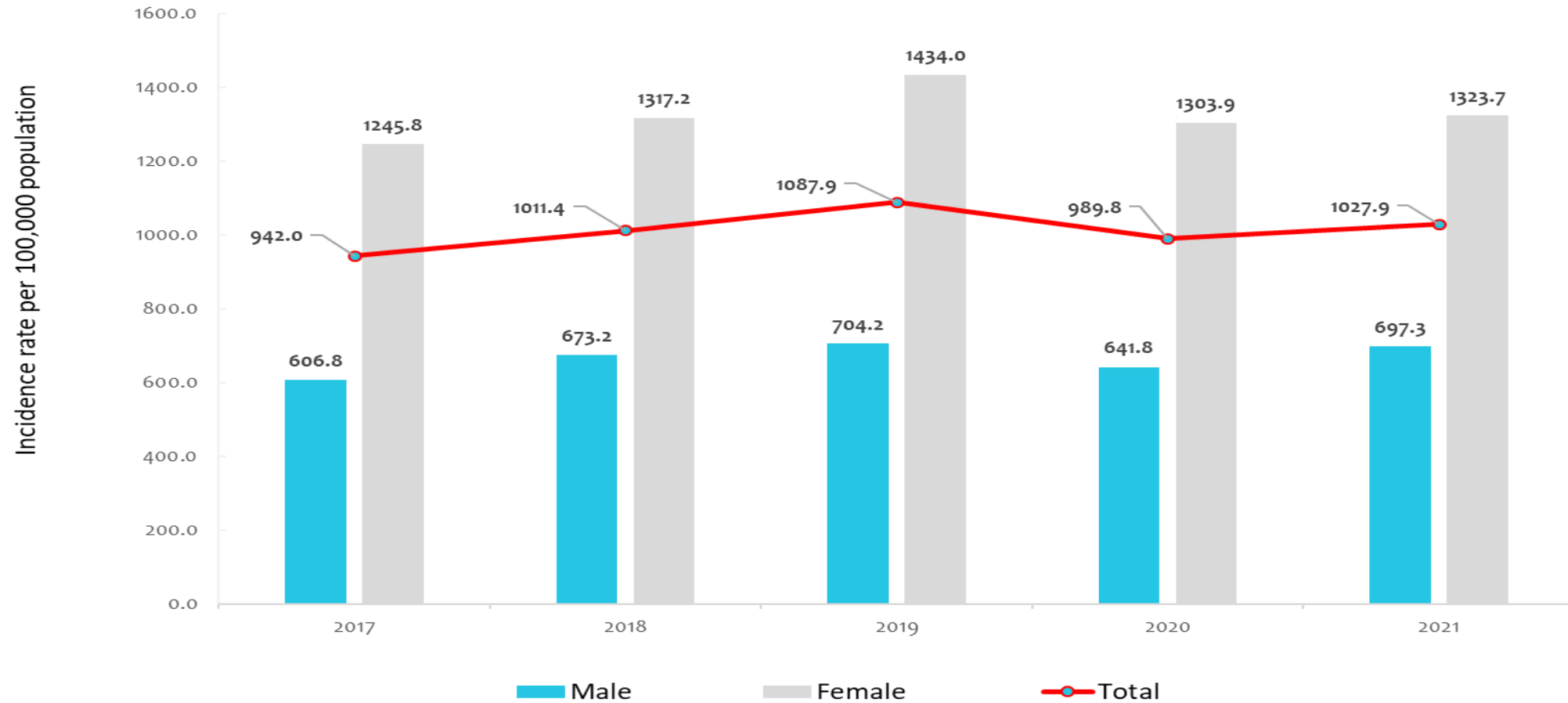
No significant difference with the overall value

# CHLAMYDIA

## Chlamydia Incidence Rate County: Shelby



# New Chlamydia Transmission Rates per 100,000 by Sex (Shelby County, TN 2017 – 2021)



Data Source: PRISM. National Center for Health Statistics. Vintage 2020 Bridged-Race Postcensal Population Estimates.

Prepared by Shelby County Health Department (SCHD), Office of Epidemiology and Infectious Diseases. Use of these data does not imply TDH agrees or disagrees with any presentations, analyses, interpretations or conclusions herein.

# **New Chlamydia Transmission Rates per 100,000 by Sex**

## **(Shelby County, TN 2021)**

**Females 1323.7 per 100,000**

**Males 697.3 per 100,000**

**Transmission Rate in Females is 1.90 X higher than Males**

# **New Chlamydia Transmission Rates per 100,000 by Sex**

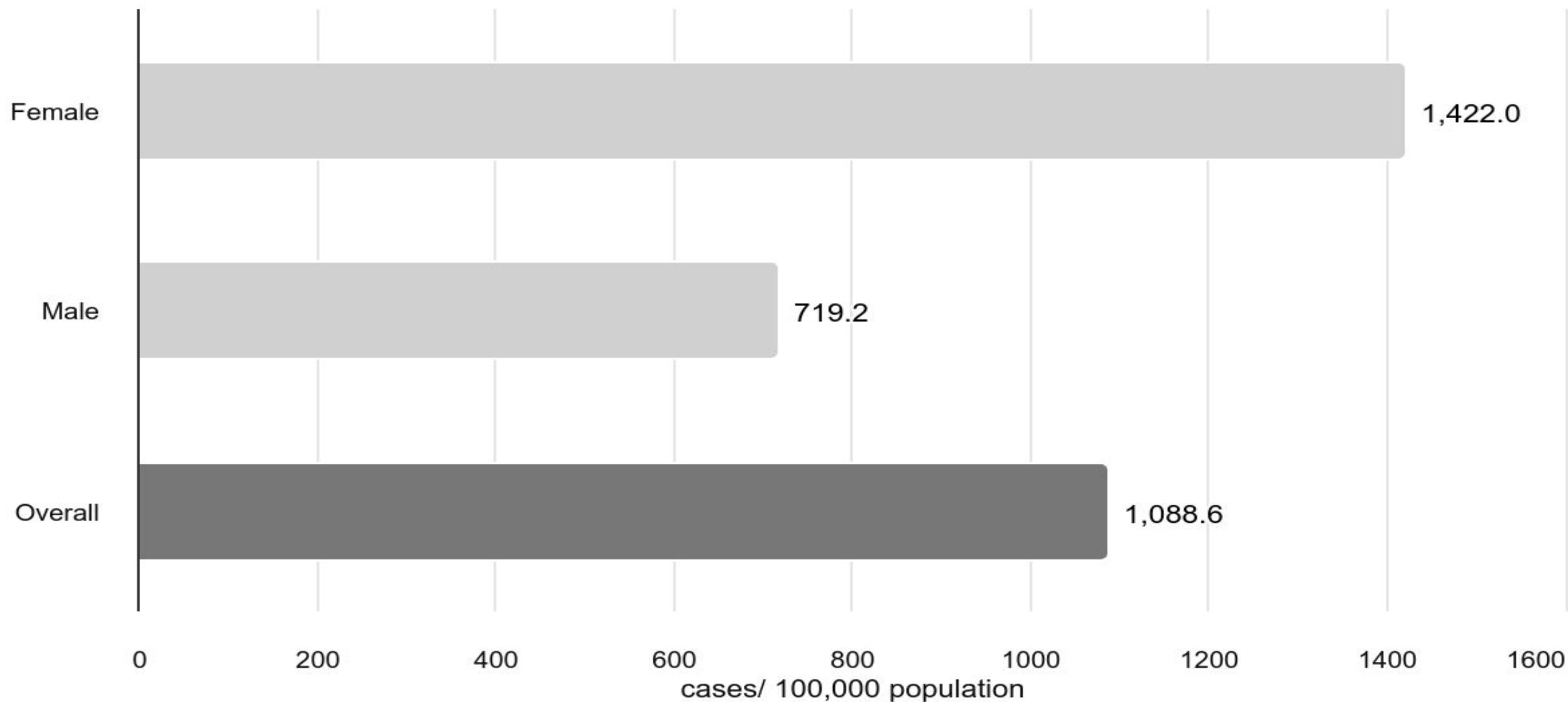
## **(Shelby County, TN 2022)**

**Females 1422 per 100,000**

**Males 719.2 per 100,000**

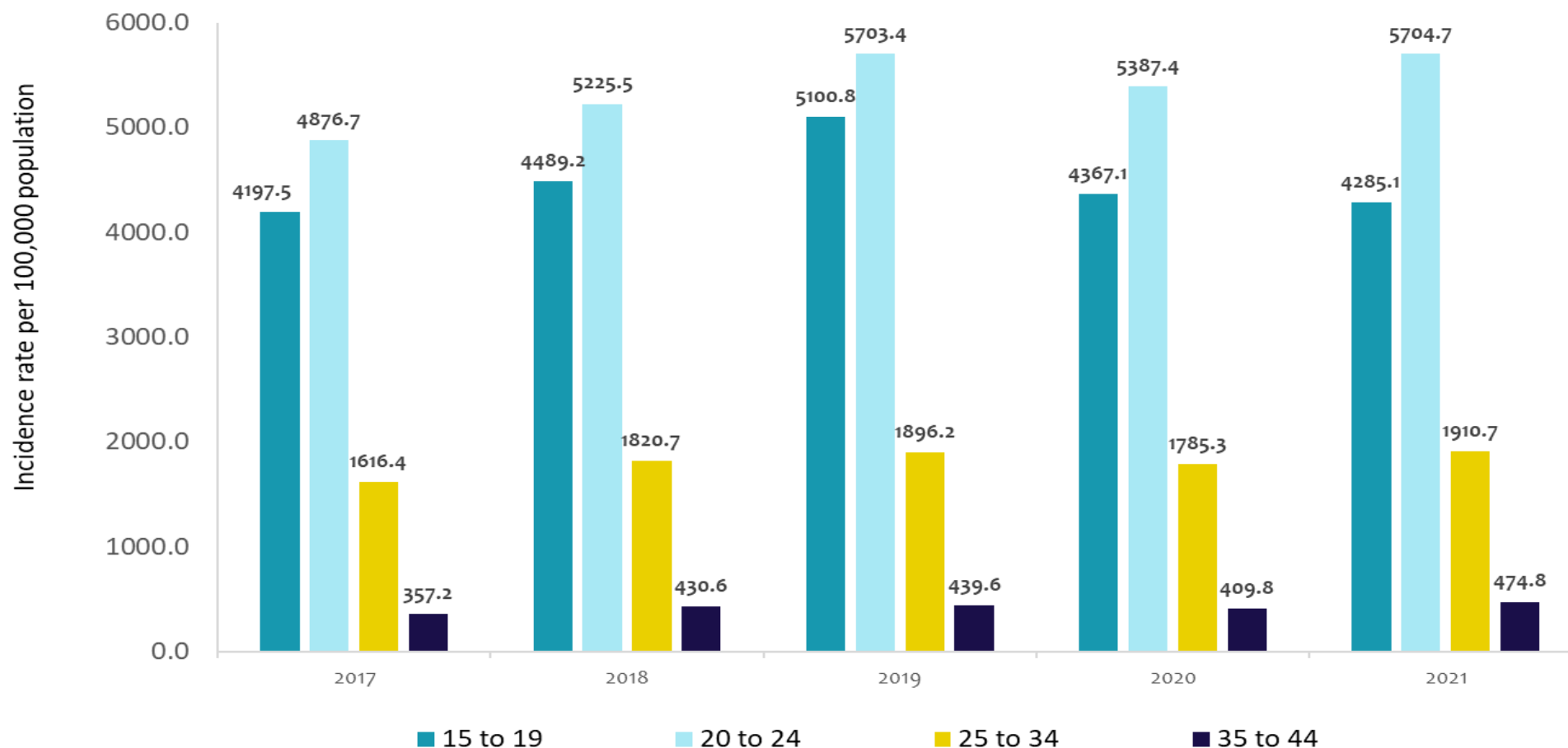
**Transmission Rate in Females is 1.98 X higher than Males**

## Chlamydia Incidence Rate by Gender County: Shelby





# New Chlamydia Transmission Rates per 100,000 by Age (Shelby County, TN 2017 – 2021)



Data Source: PRISM. National Center for Health Statistics. Vintage 2020 Bridged-Race Postcensal Population Estimates.

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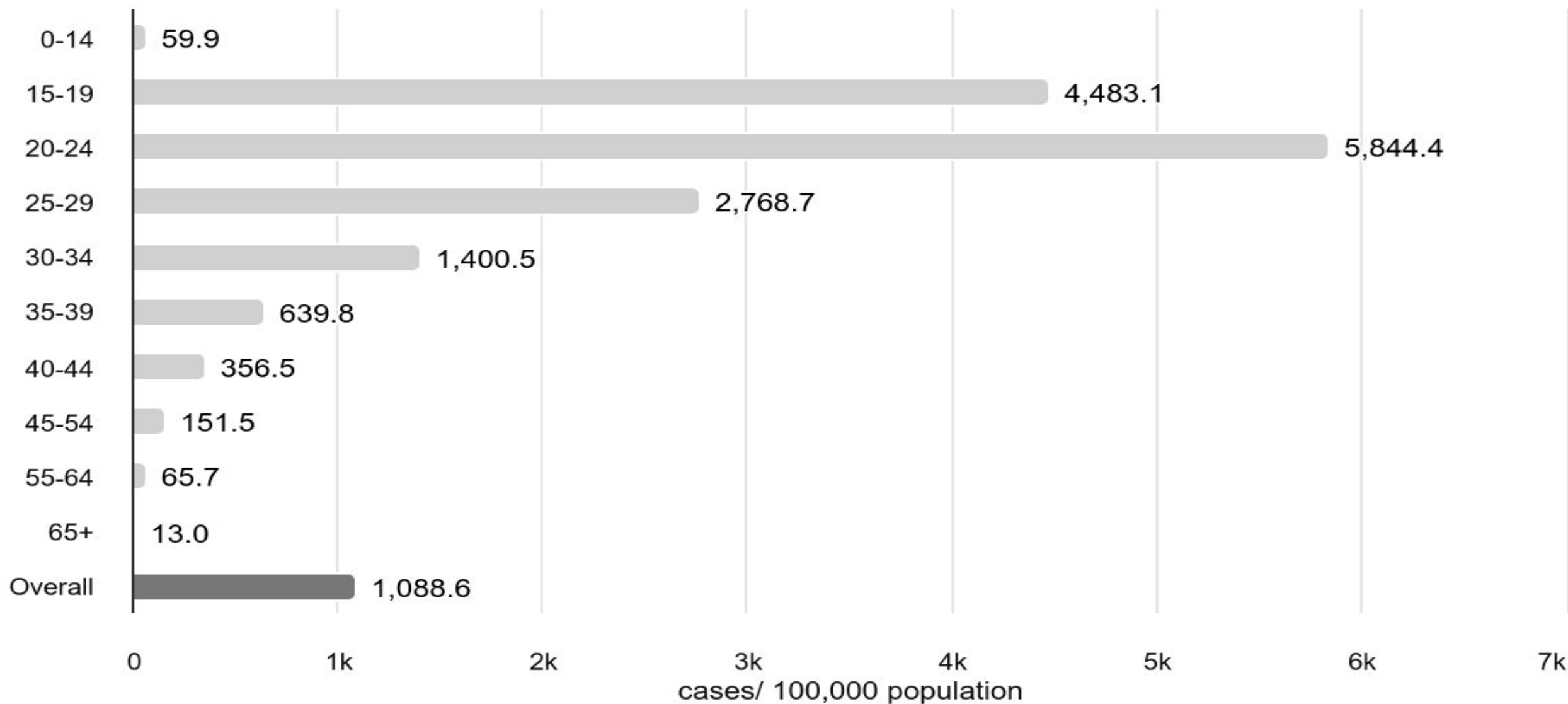
# **New Chlamydia Transmission Rates per 100,000 by Age** **(Shelby County, TN 2021)**

**Ages 20-24: 5704.7 cases per 100,000 (highest rate)**

**Ages 35-44: 474.8 cases per 100,000 (lowest rate)**

**Chlamydia Transmission Rate for Ages 20-24 is 12 X higher than  
Ages 35-44**

## Chlamydia Incidence Rate by Age County: Shelby

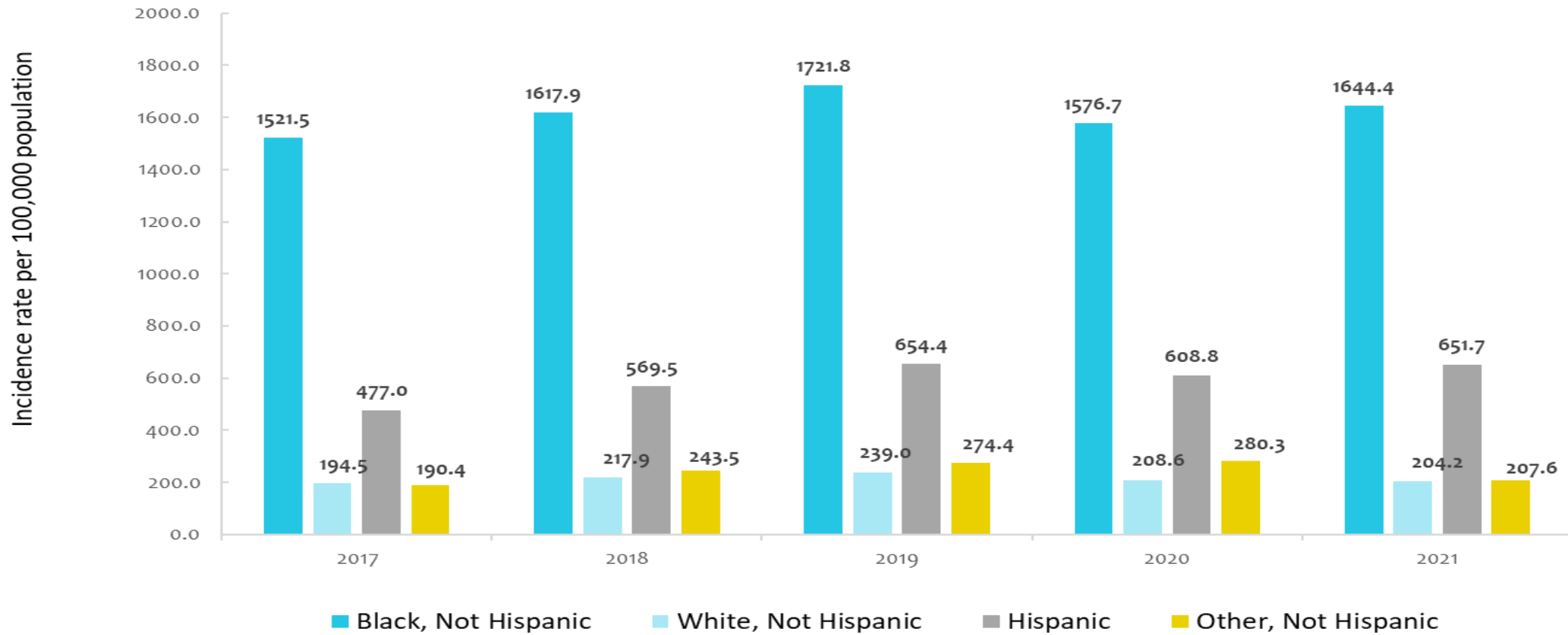


## **Ages 20- 24 New Chlamydia Transmission Rates per 100,000 (Shelby County, TN 2021 vs 2022)**

**Ages 20-24: 5704.7 cases per 100,000 (2021)**

**Ages 20-24: 5,844.4 cases per 100,000 (2022)**

# New Chlamydia Transmission Rates per 100,000 by Race (Shelby County, TN 2017 – 2021)



Data Source: PRISM. National Center for Health Statistics. Vintage 2020 Bridged-Race Postcensal Population Estimates.

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# **New Chlamydia Transmission Rates per 100,000 by Race**

## **(Shelby County, TN 2021)**

**Blacks: 1644.4 cases per 100,000**

**Whites: 204.2 cases per 100,000**

**Chlamydia Transmission Rates in Blacks is 8.1 X that of Whites**

# **New Chlamydia Transmission Rates per 100,000 by Race (Shelby County, TN 2022)**

**Blacks: 1678.0 cases per 100,000**

**Whites: 204.6 cases per 100,000**

**Chlamydia Transmission Rates in Blacks is 8.2 X that of Whites**

# **New Chlamydia Transmission Rates per 100,000 by Race**

**(Shelby County, TN 2021)**

**Blacks: 1644.4 cases per 100,000**

**Hispanics: 651.7 cases per 100,000**

**Chlamydia Transmission Rates in Blacks is 2.5 X that of  
Hispanics**



# **New Chlamydia Transmission Rates per 100,000 by Race**

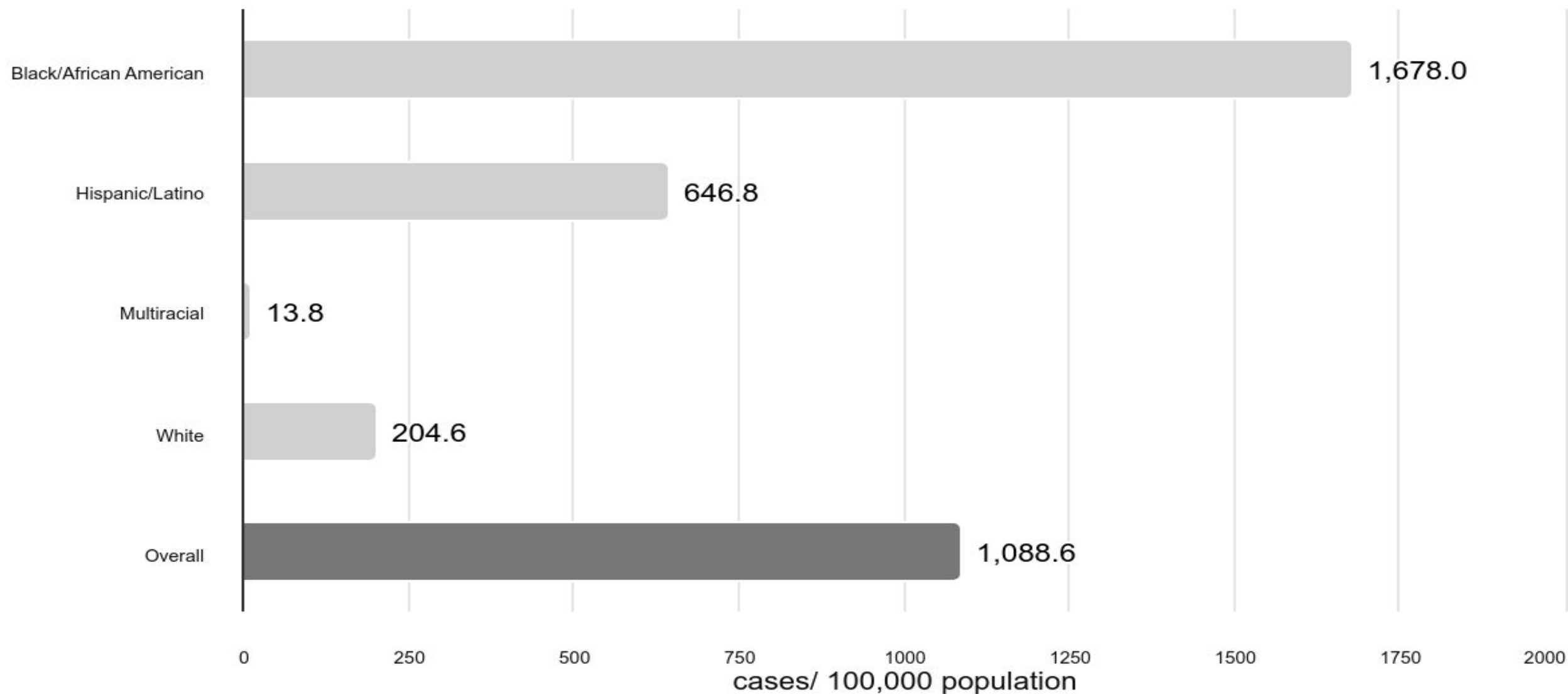
## **(Shelby County, TN 2022)**

**Blacks: 1678.0 cases per 100,000**

**Hispanics: 646.8 cases per 100,000**

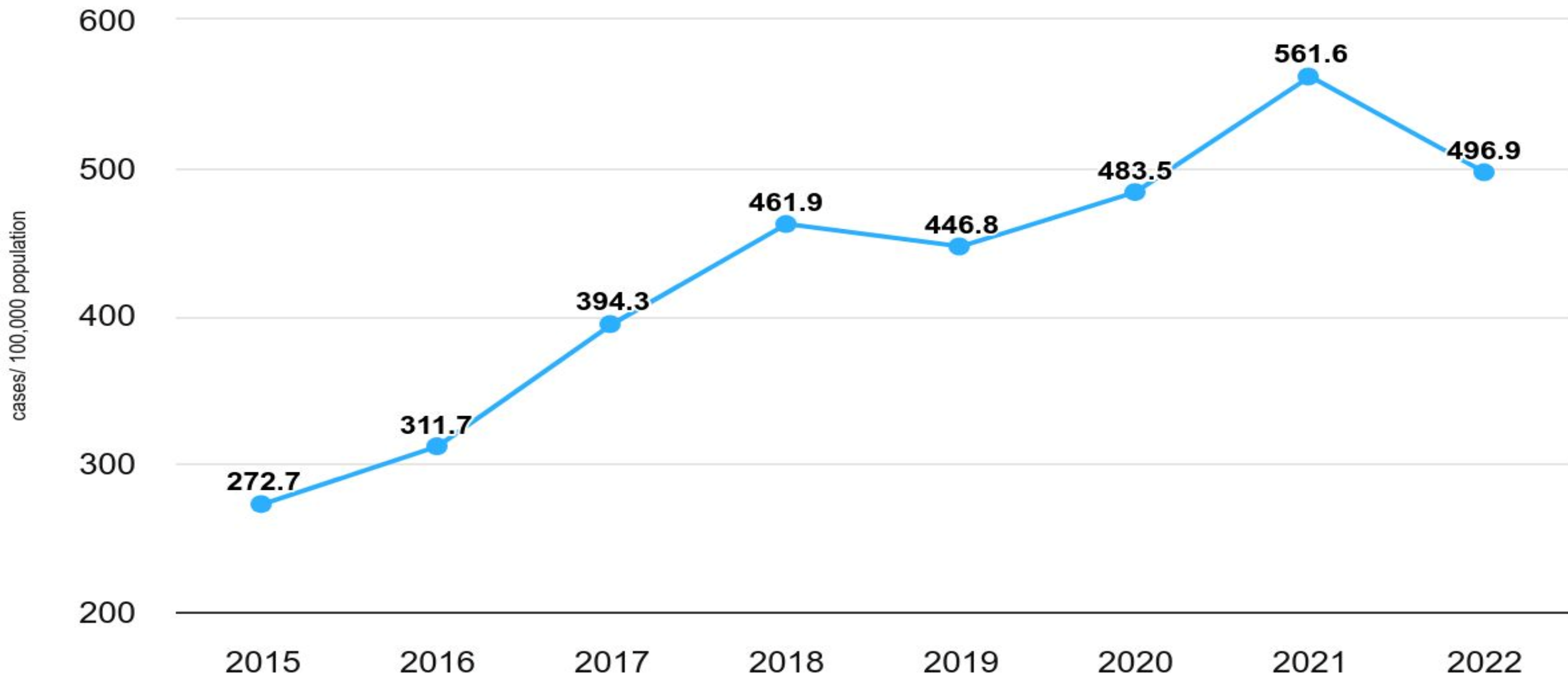
**Chlamydia Transmission Rates in Blacks is 2.6 X that of  
Hispanics**

## Chlamydia Incidence Rate by Race/Ethnicity County: Shelby



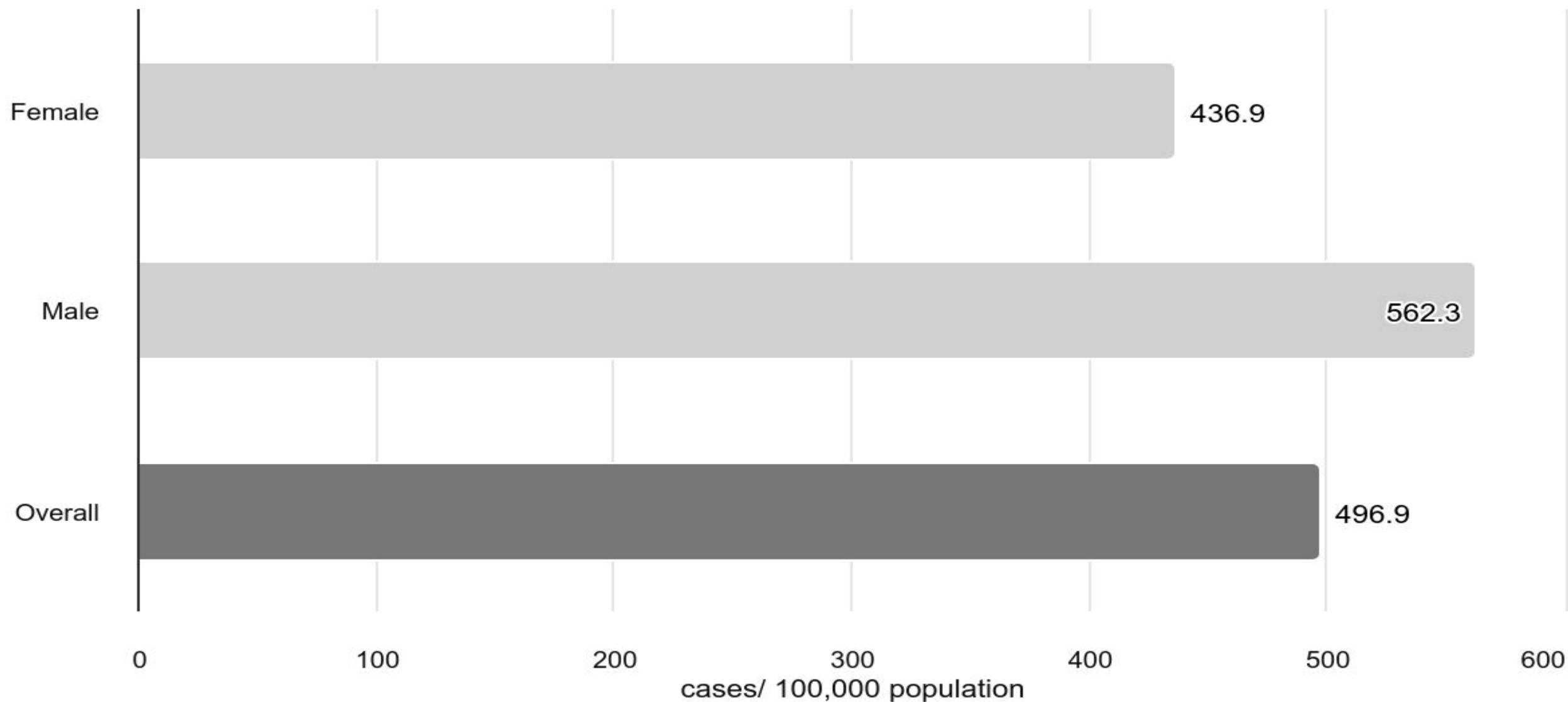
# **GONORRHEA**

## Gonorrhea Incidence Rate County: Shelby

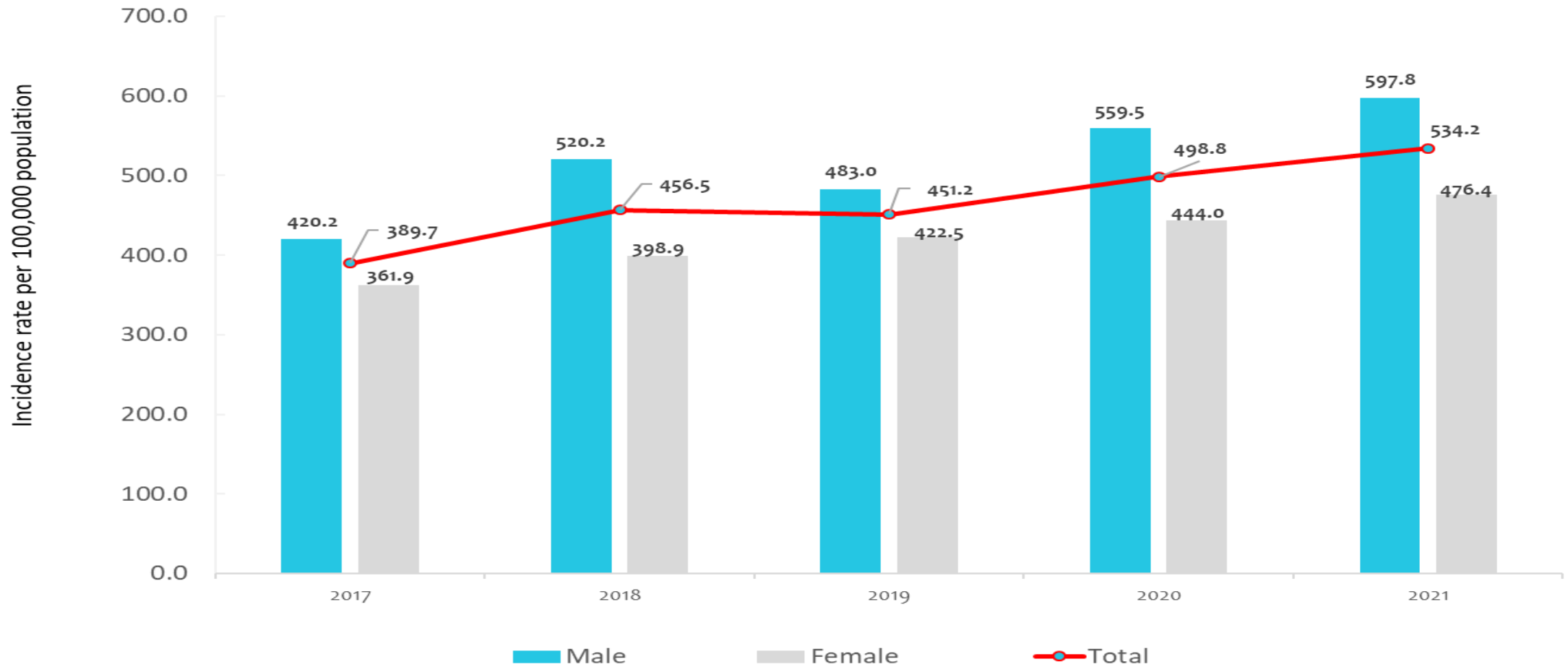


Source: National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention (2022)

## Gonorrhea Incidence Rate by Gender County: Shelby



# Shelby County Gonorrhea Case Rates per 100,000 by Sex (Shelby County, TN 2017 – 2021)



**Data Source:** PRISM. National Center for Health Statistics. Vintage 2020 Bridged-Race Postcensal Population Estimates.

Prepared by Shelby County Health Department (SCHD), Office of Epidemiology and Infectious Diseases.  
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# **Gonorrhea Case Rates per 100,000 by Sex**

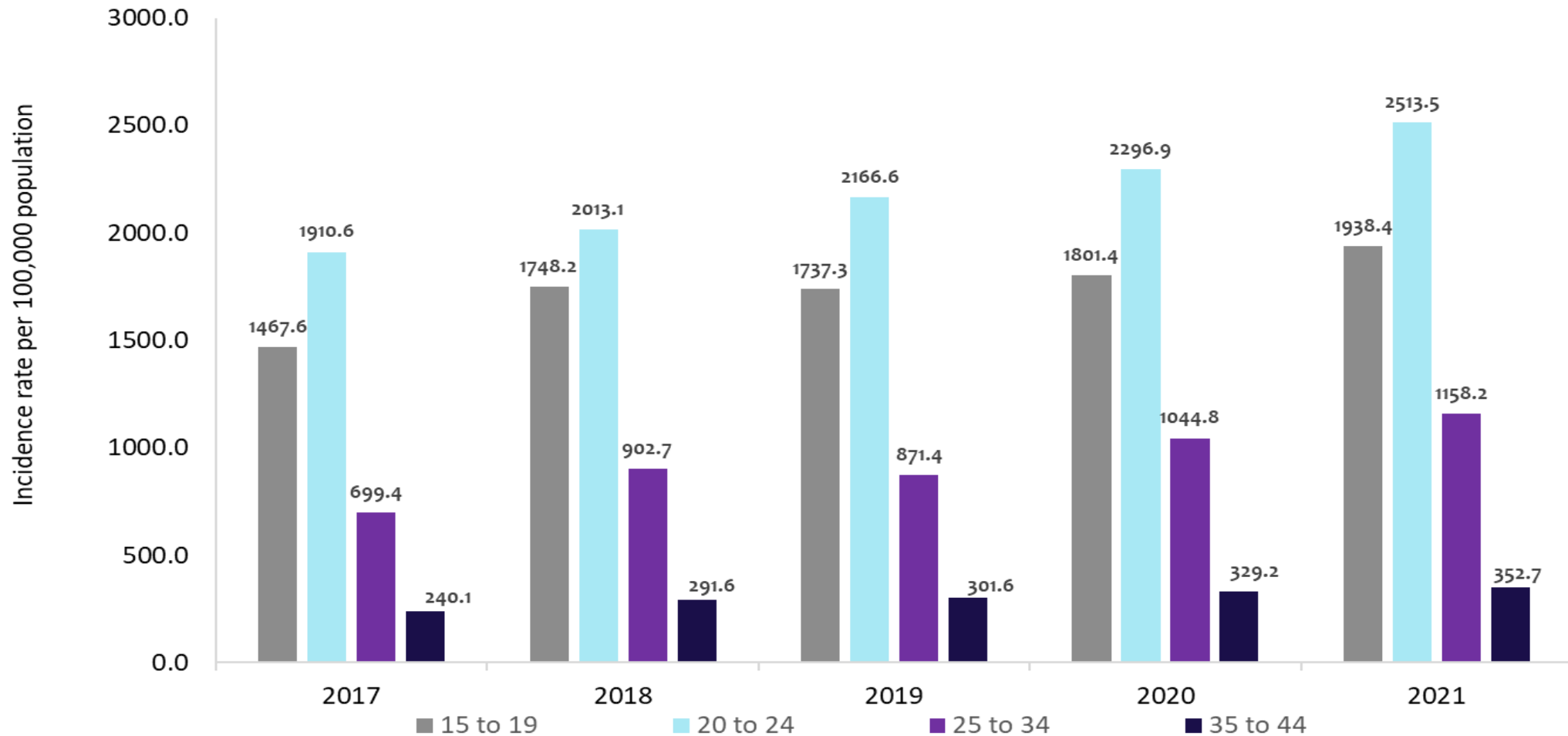
**(Shelby County, TN 2021)**

**Male: 597.8 cases per 100,000**

**Female: 476.4 cases per 100,000**

**Males Gonorrhea Case Rate is 1.3 X higher than Females**

# Gonorrhea Case Rates per 100,000 by Age (Shelby County, TN 2017 – 2021)



**Data Source:** PRISM. National Center for Health Statistics. Vintage 2020 Bridged-Race Postcensal Population Estimates.

Prepared by Shelby County Health Department (SCHD), Office of Epidemiology and Infectious Diseases.  
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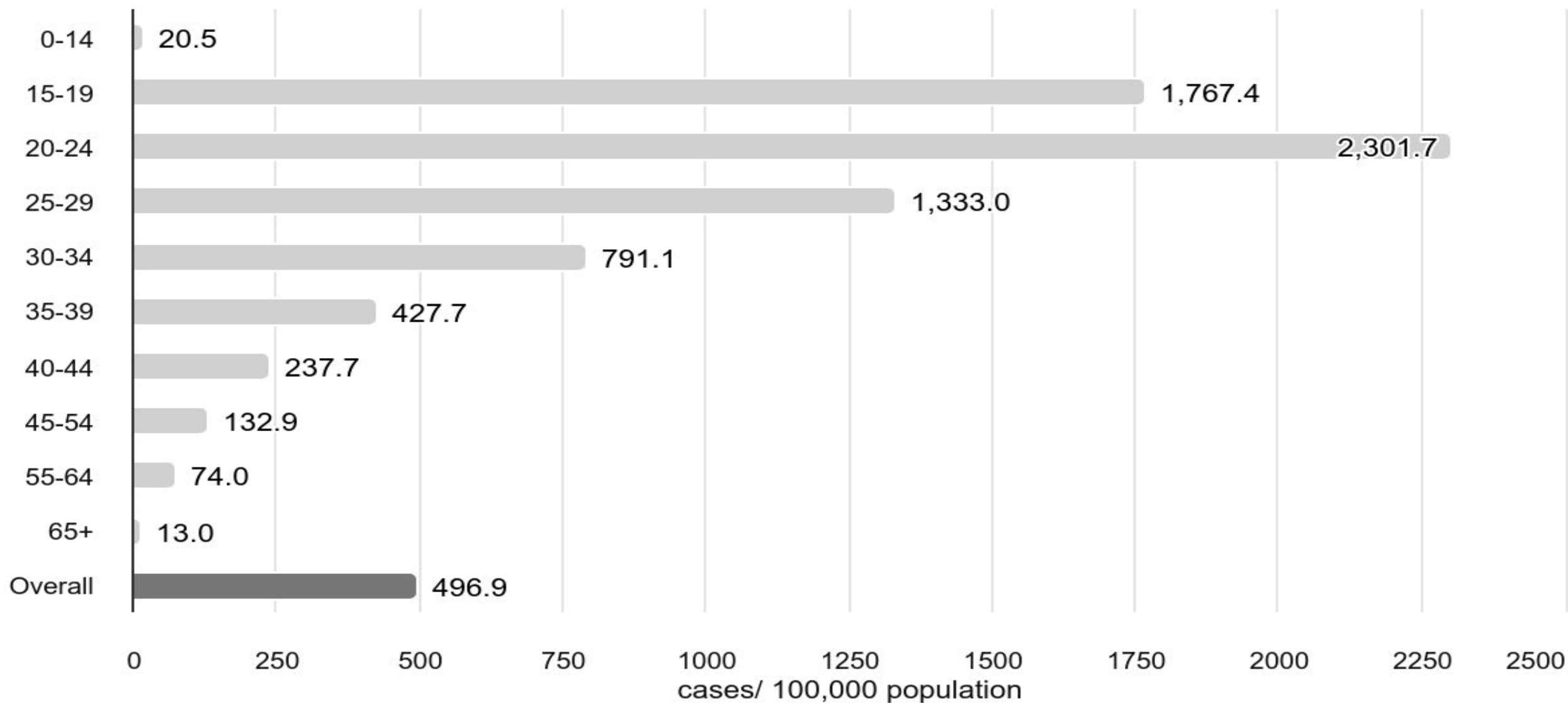
## **Gonorrhea Case Rates per 100,000 by Age (Shelby County, TN 2021)**

**Ages 20-24: 2513.5 cases per 100,000 (highest rate)**

**Ages 35-44: 352.7 cases per 100,000 (lowest rate)**

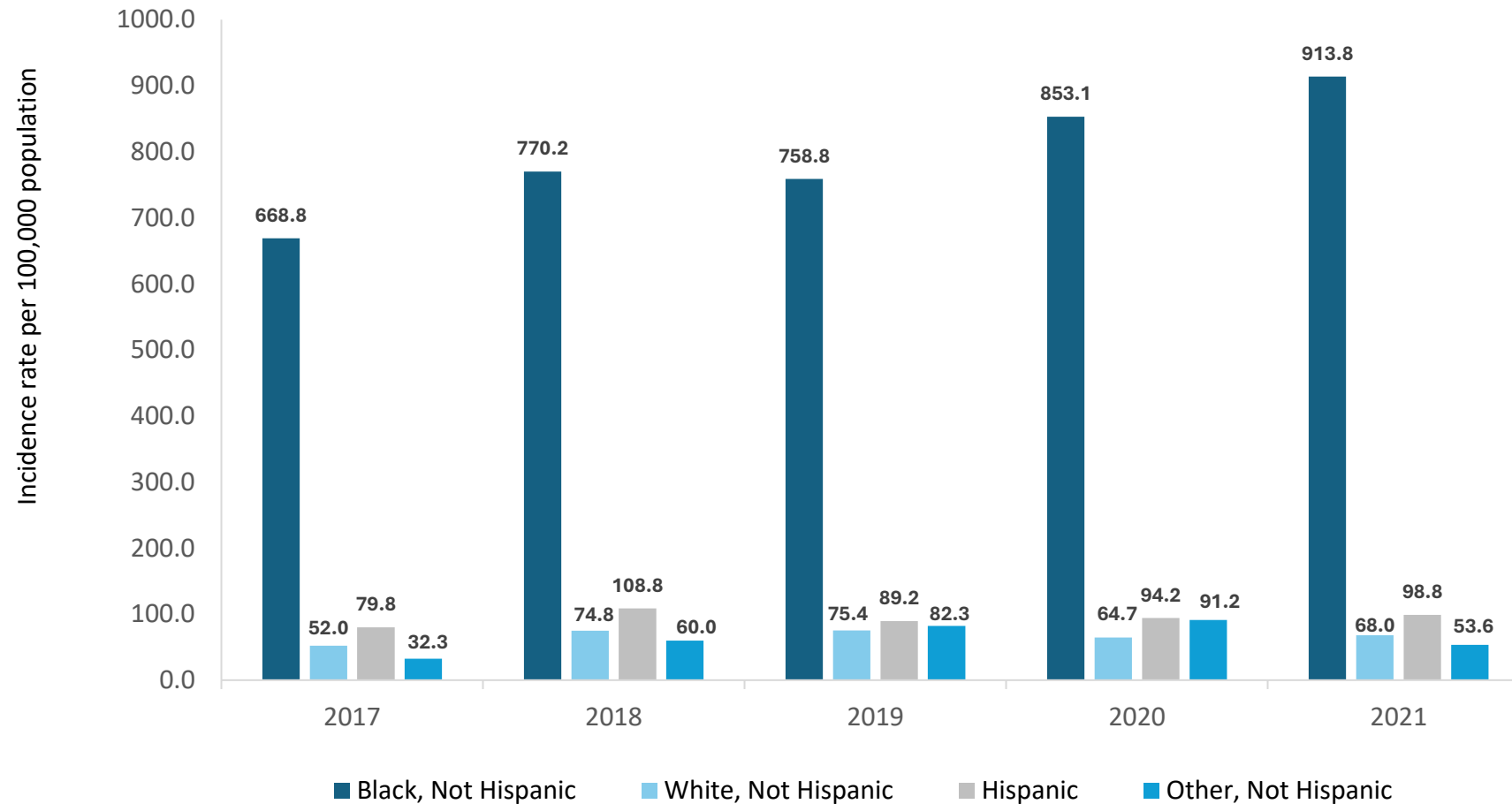
**Gonorrhea Case Rate for Ages 20-24 is 7.1 X higher than  
Ages 35-44**

## Gonorrhea Incidence Rate by Age County: Shelby



# Gonorrhea Case Rates per 100,000 by Race

## (Shelby County, TN 2017 – 2021)



**Data Source:** PRISM. National Center for Health Statistics. Vintage 2020 Bridged-Race Postcensal Population Estimates.

# **Gonorrhea Case Rates per 100,000 by Race**

**(Shelby County, TN 2021)**

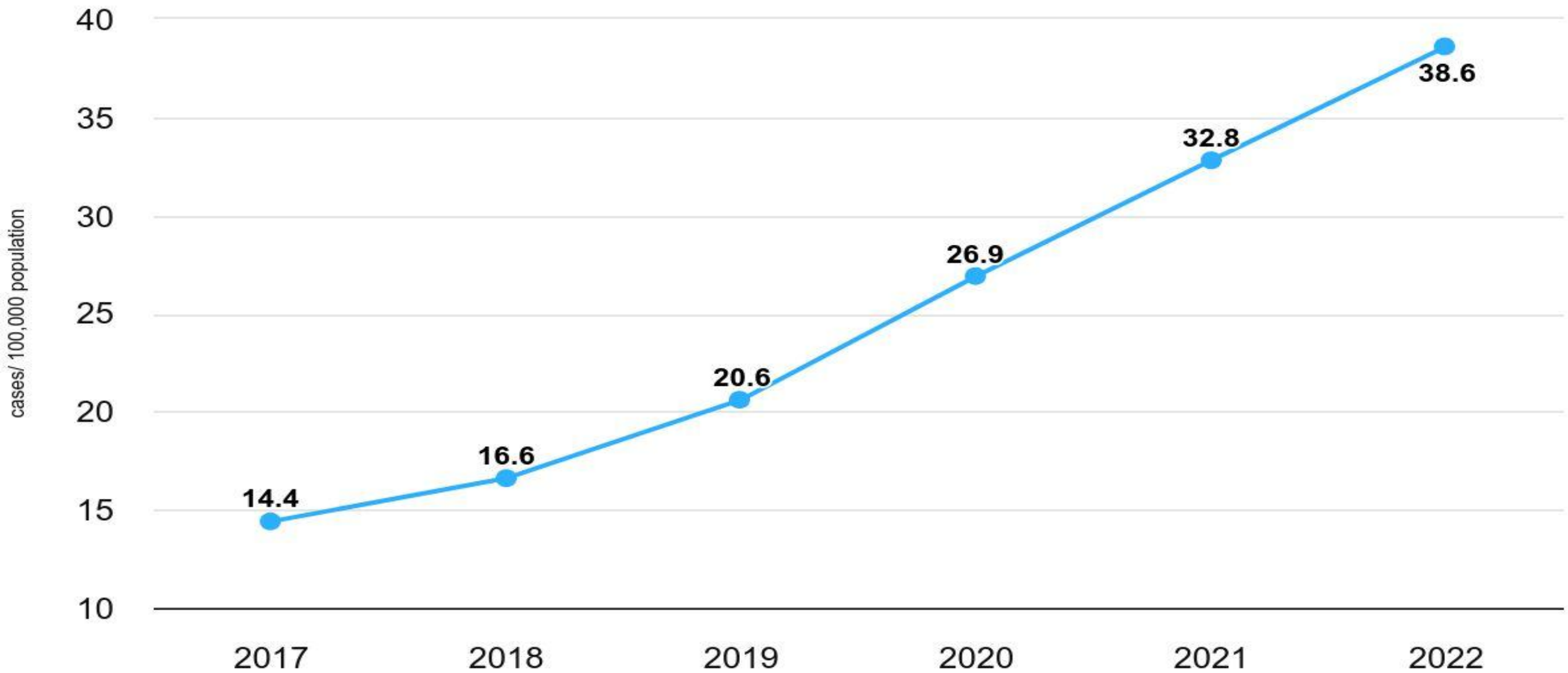
**Blacks 913.8 per 100,000**

**Whites 68.0 per 100,000**

**Gonorrhea Case Rates in Blacks is 13.4 X that of Whites**

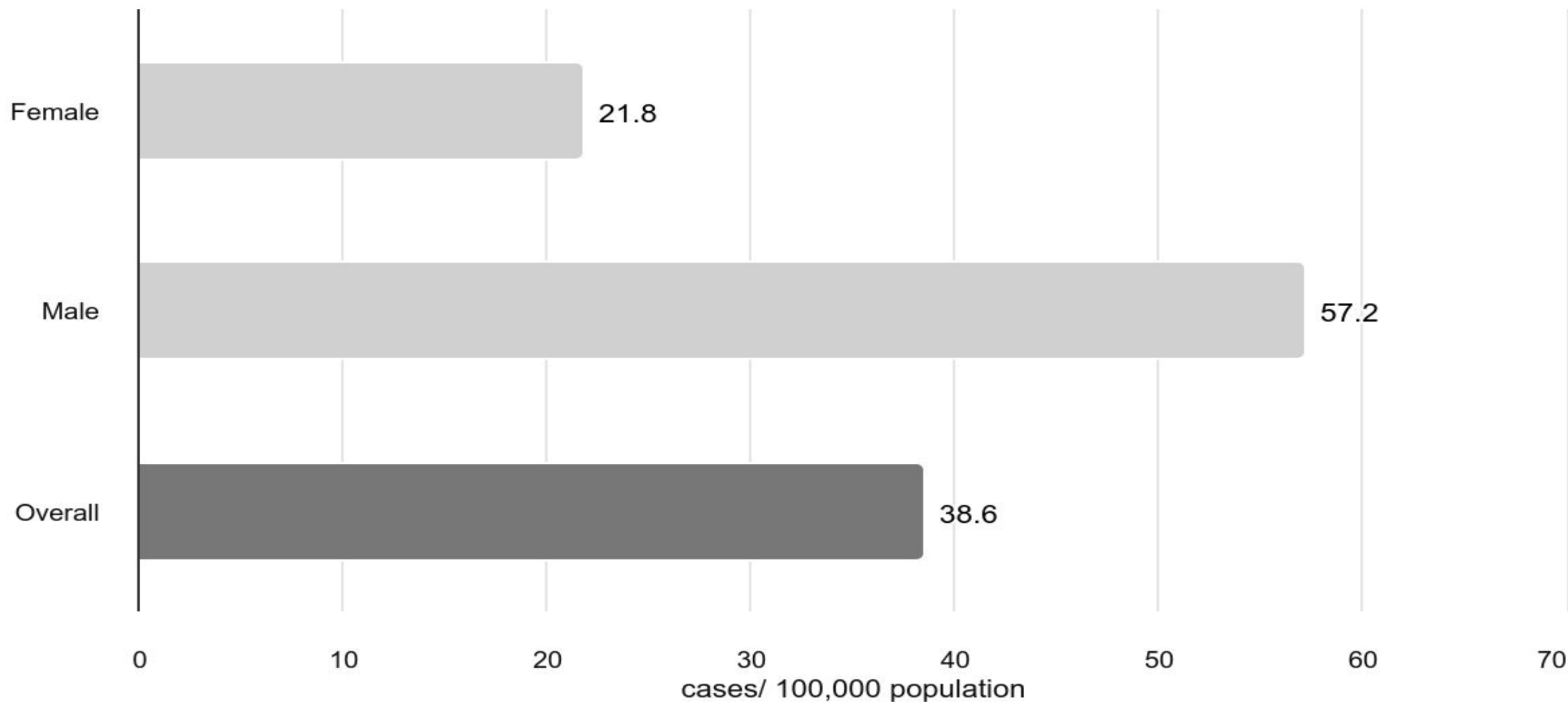
# **SYPHILIS**

## Syphilis Incidence Rate County: Shelby

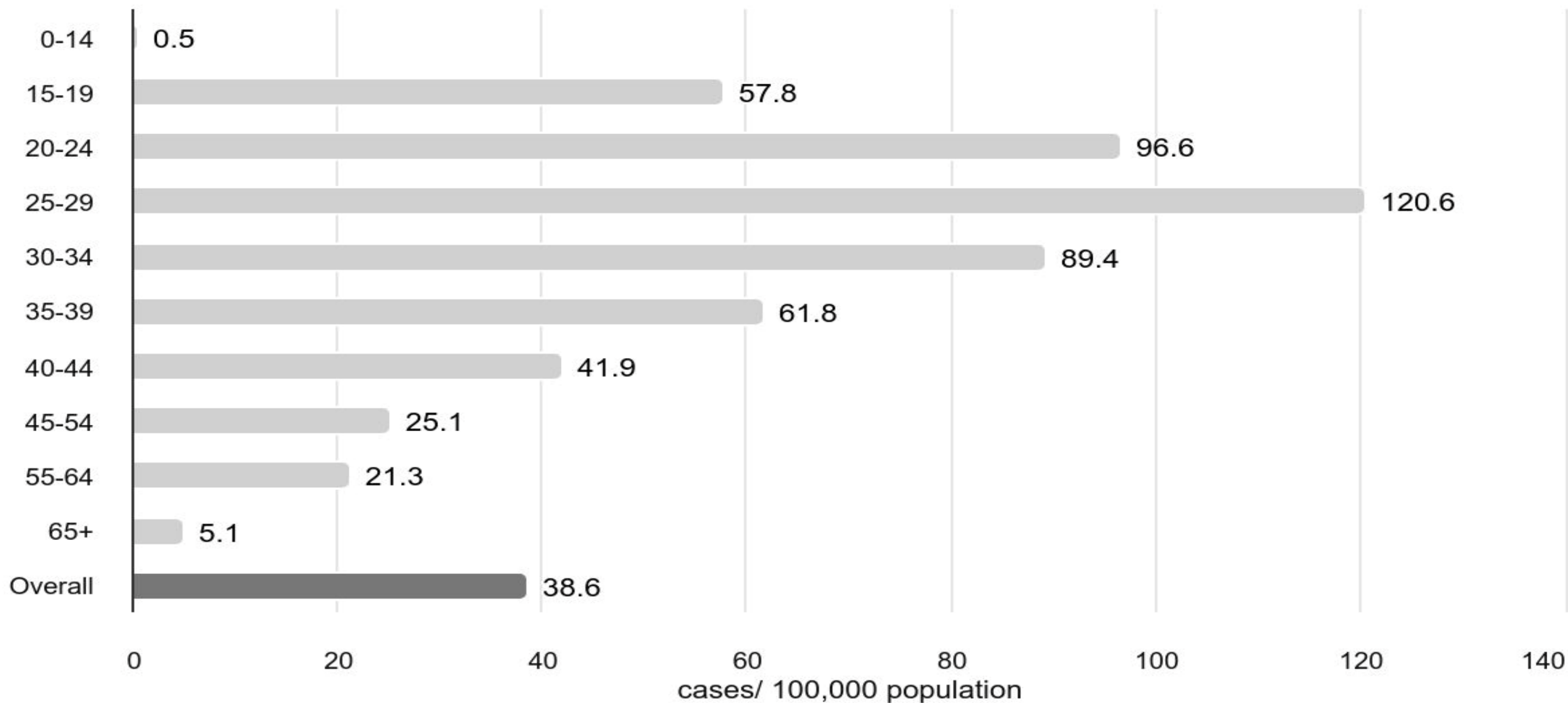


Source: National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention (2022)

## Syphilis Incidence Rate by Gender County: Shelby



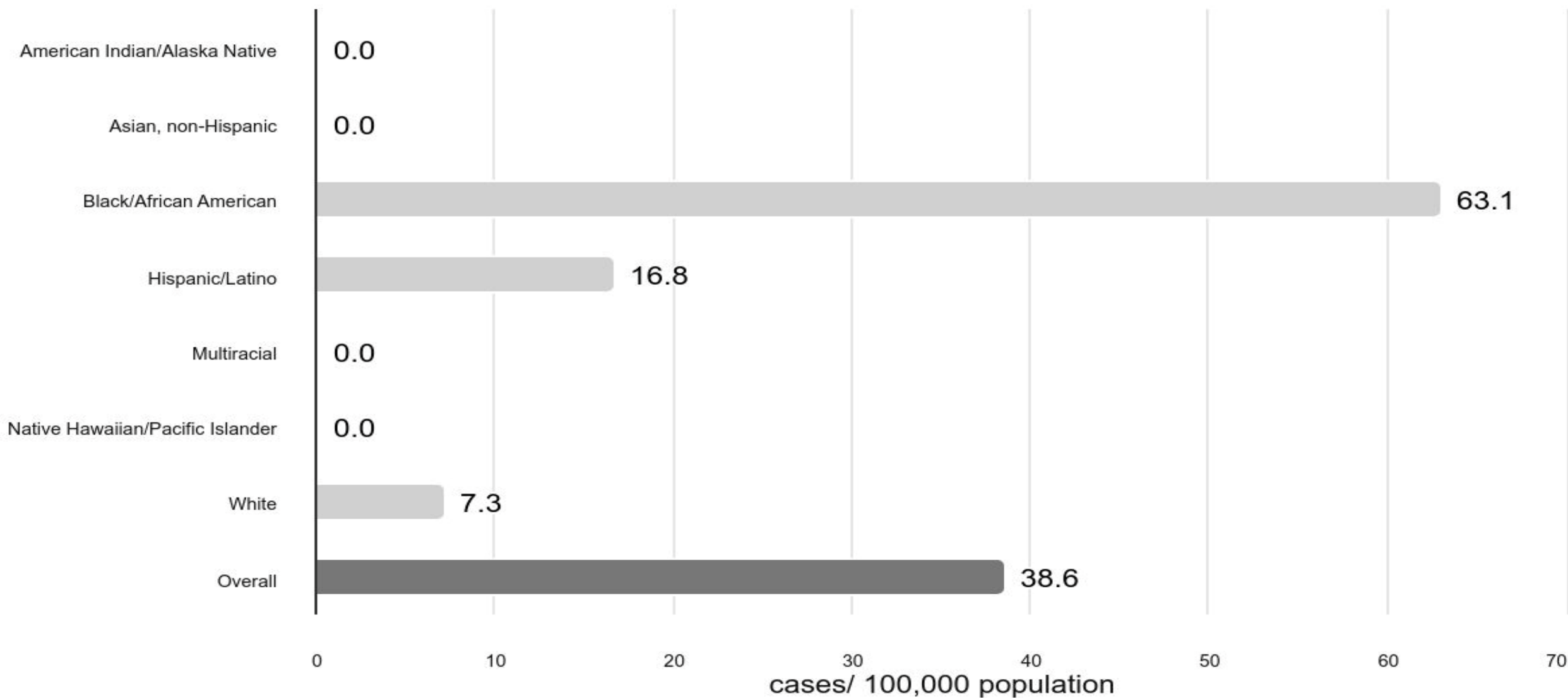
## Syphilis Incidence Rate by Age County: Shelby



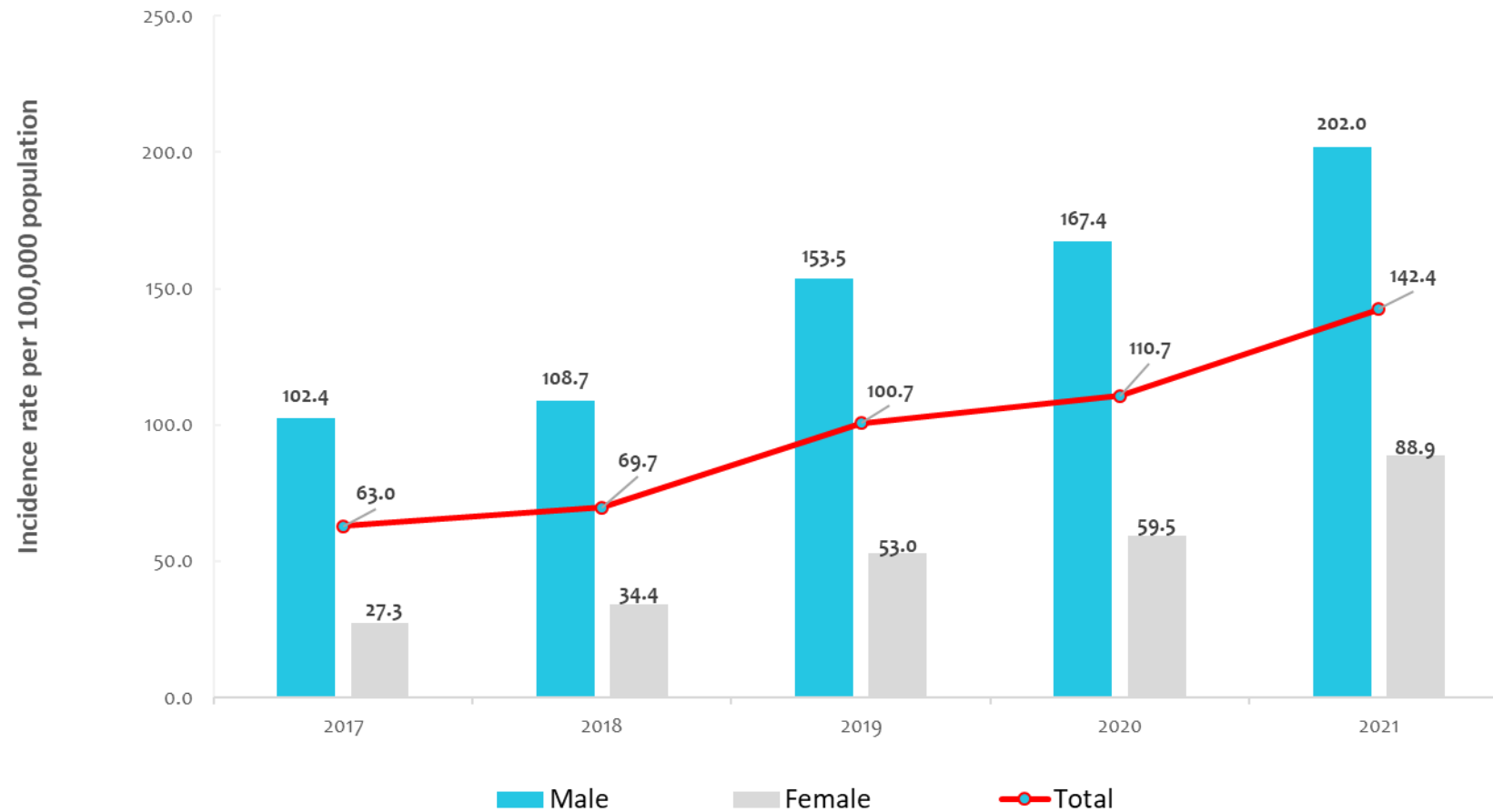


## Syphilis Incidence Rate by Race/Ethnicity

### County: Shelby



# Syphilis Case Rates per 100,000 by Sex (Shelby County, TN 2017 – 2021)



**Data Source:** PRISM. National Center for Health Statistics. Vintage 2020 Bridged-Race Postcensal Population Estimates.

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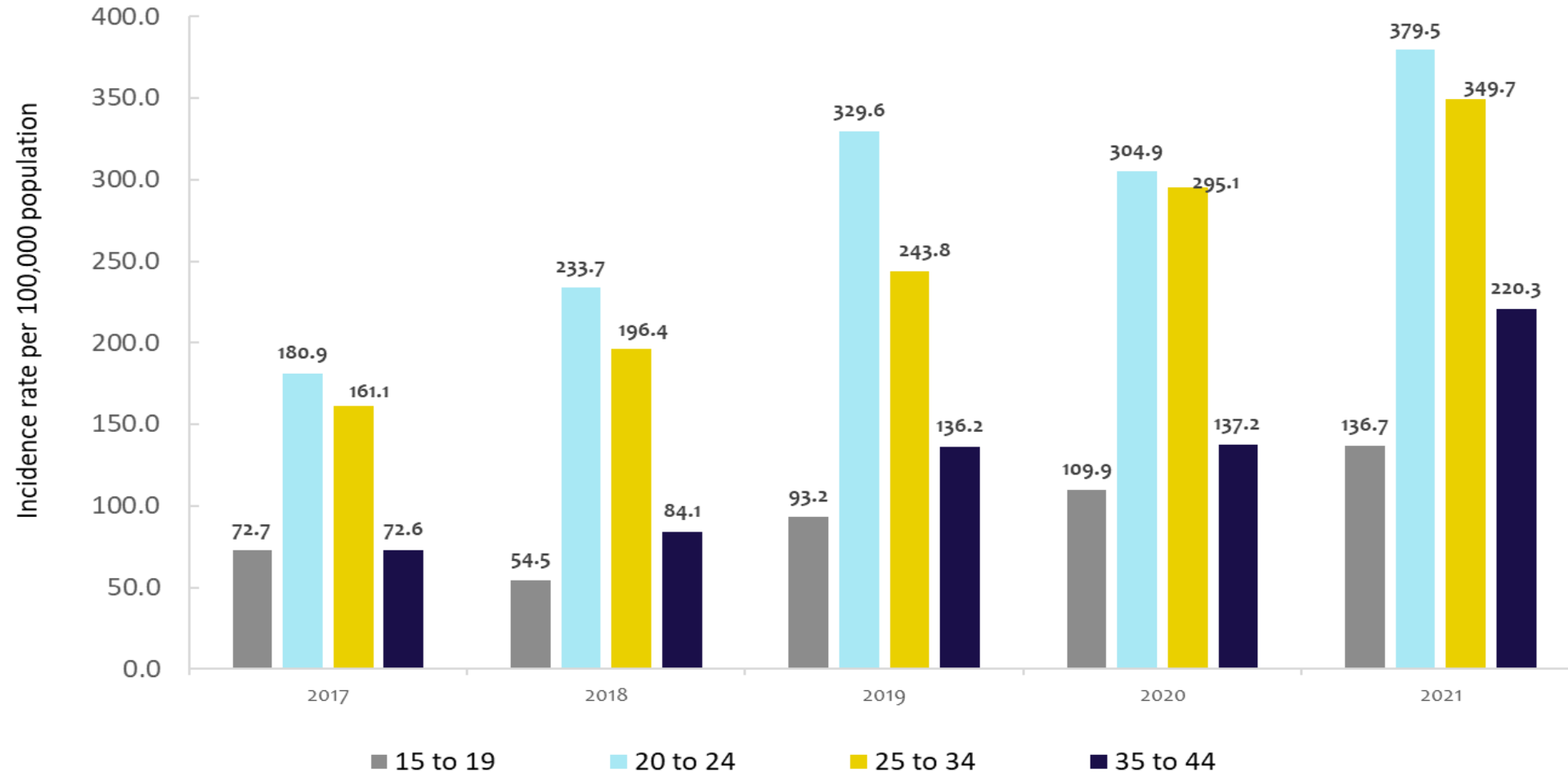
## Syphilis Case Rates per 100,000 by Sex

Male: 202.0 cases per 100,000

Female: 88.9 cases per 100,000

Males Syphilis Case Rate is 2.3 X higher than Females

# Syphilis Case Rates per 100,000 by Age (Shelby County, TN 2017 – 2021)



**Data Source:** PRISM. National Center for Health Statistics. Vintage 2020 Bridged-Race Postcensal Population Estimates.

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## **Syphilis Case Rates per 100,000 by Age (Shelby County, TN 2021)**

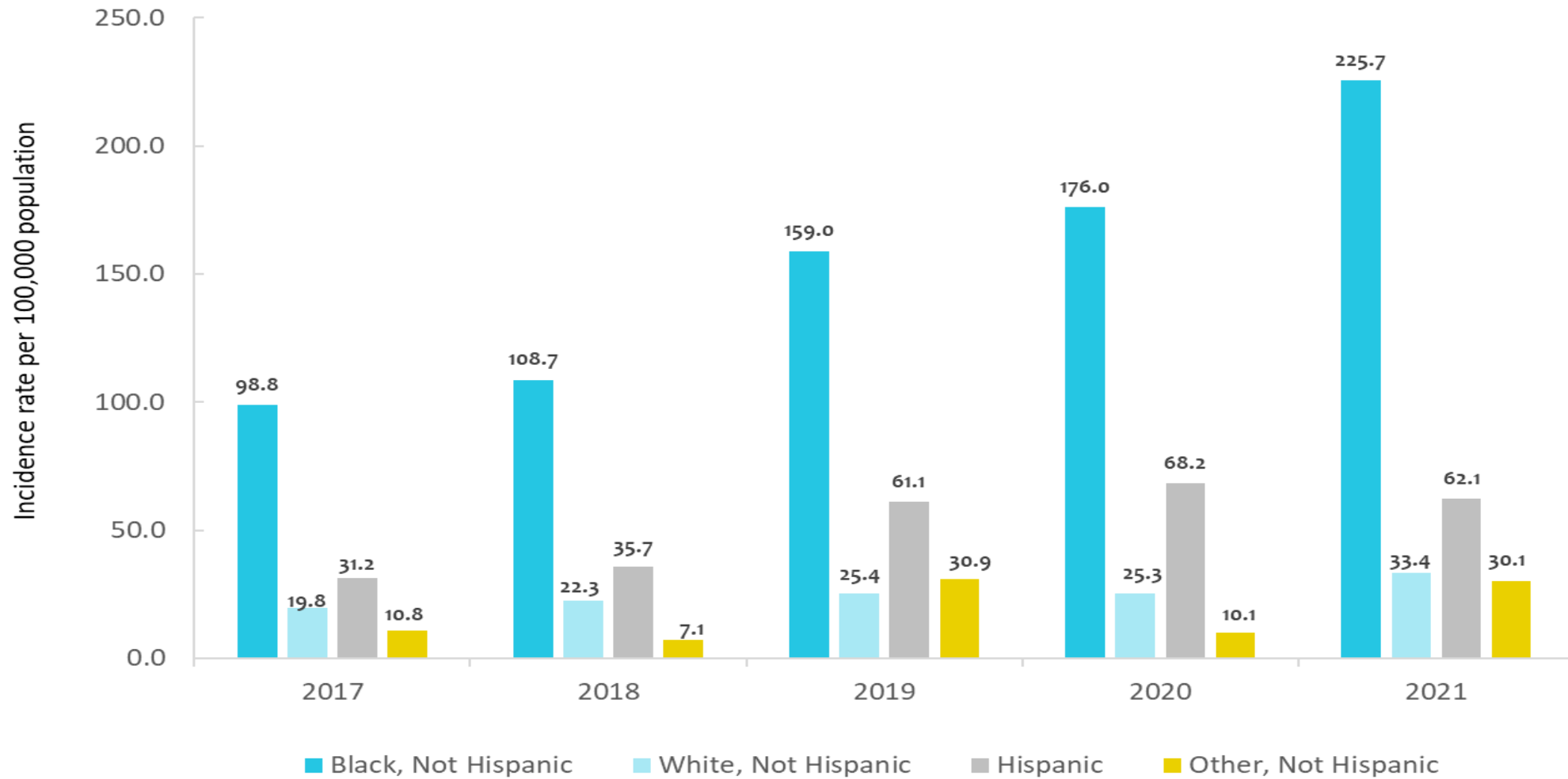
**Ages 20-24: 379.5 cases per 100,000**

**Ages 25-34: 349.7 cases per 100,000**

**Ages 35-44: 220.3 cases per 100,000**

**Syphilis Case Rate for Ages 20-24 is 1.7 X higher than  
Ages 35-44**

# Syphilis Case Rates per 100,000 by Race (Shelby County, TN 2017 – 2021)



**Data Source:** PRISM. National Center for Health Statistics. Vintage 2020 Bridged-Race Postcensal Population Estimates.

Prepared by Shelby County Health Department (SCHD), Office of Epidemiology and Infectious Diseases.  
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# **Syphilis Rates per 100,000 by Race (Shelby County, TN 2021)**

**Blacks 225.7 per 100,000**

**Whites 33.4 per 100,000**

**Syphilis Case Rates in Blacks is 6.8 X that of Whites**

# **Syphilis Rates per 100,000 by Race (Shelby County, TN 2021)**

**Blacks 225.7 per 100,000**

**Hispanics 62.1 per 100,000**

**Syphilis Case Rates in Blacks is 3.6 X that of Hispanics**