

# STIs in Central Ohio: Local, State & National Trends

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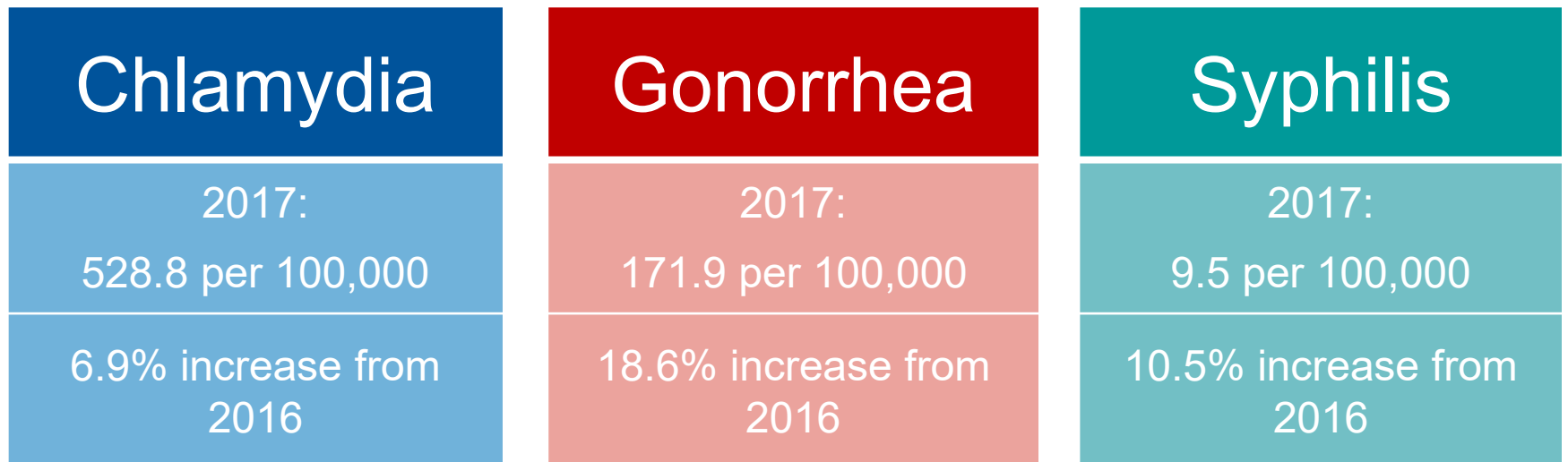


THE CITY OF  
**COLUMBUS**  
ANDREW J. GINTHER, MAYOR

COLUMBUS  
PUBLIC HEALTH

# STIs in the U.S.

- Almost 2.3 million cases of chlamydia, gonorrhea and syphilis (primary and secondary) were reported to the CDC in 2017.



# Chlamydia

Franklin County, 2018

10,178 cases  
(787.8 per 100,000)

## Age

- Young people (15-24) had the highest reported chlamydia rates.

## Race

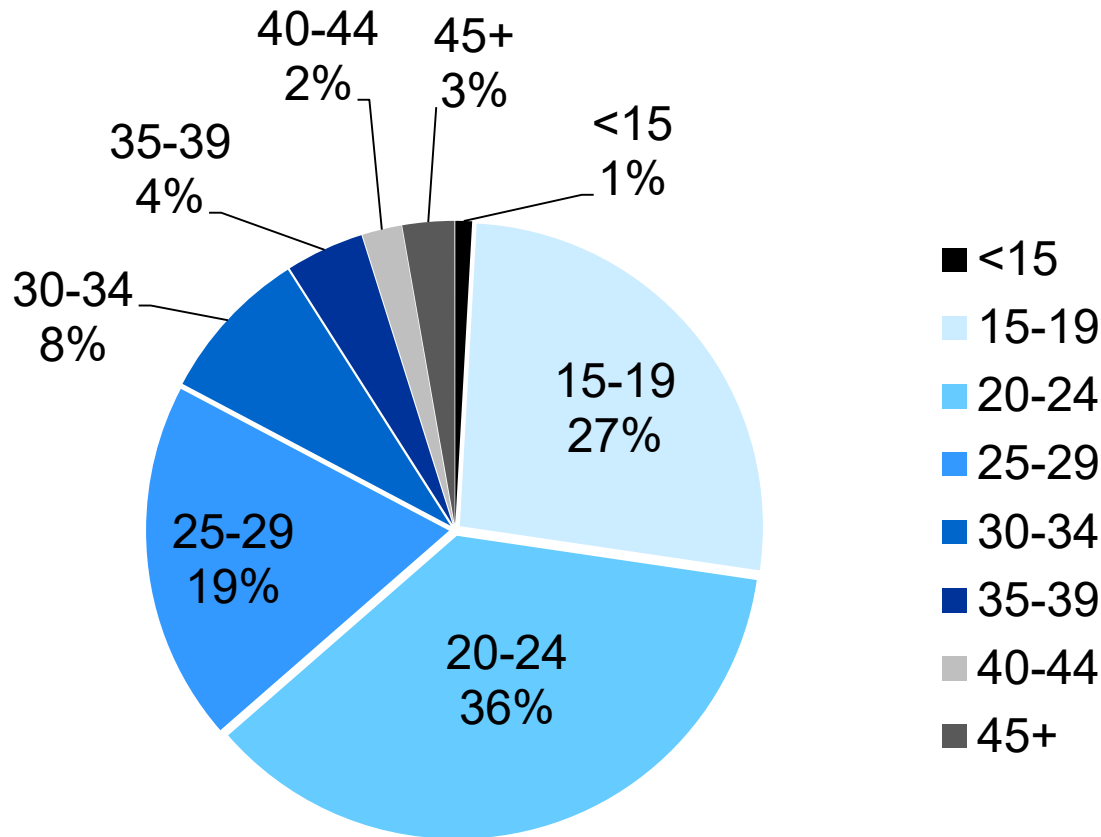
- African Americans had 6.0 times higher reported chlamydia rates than whites.

## Sex

- Females had 1.6 times higher reported chlamydia rates than males.

# Chlamydia by Age

Franklin County, 2018; N=10,178



**Over 60%** of reported chlamydia infections occur among those aged 15-24 years old.

# Chlamydia by Sex and Race

Rates per 100,000; Franklin County, 2018

## Females

African American  
1,946.0



White  
365.7

5.3 : 1.0

## Males

African American  
1,331.0

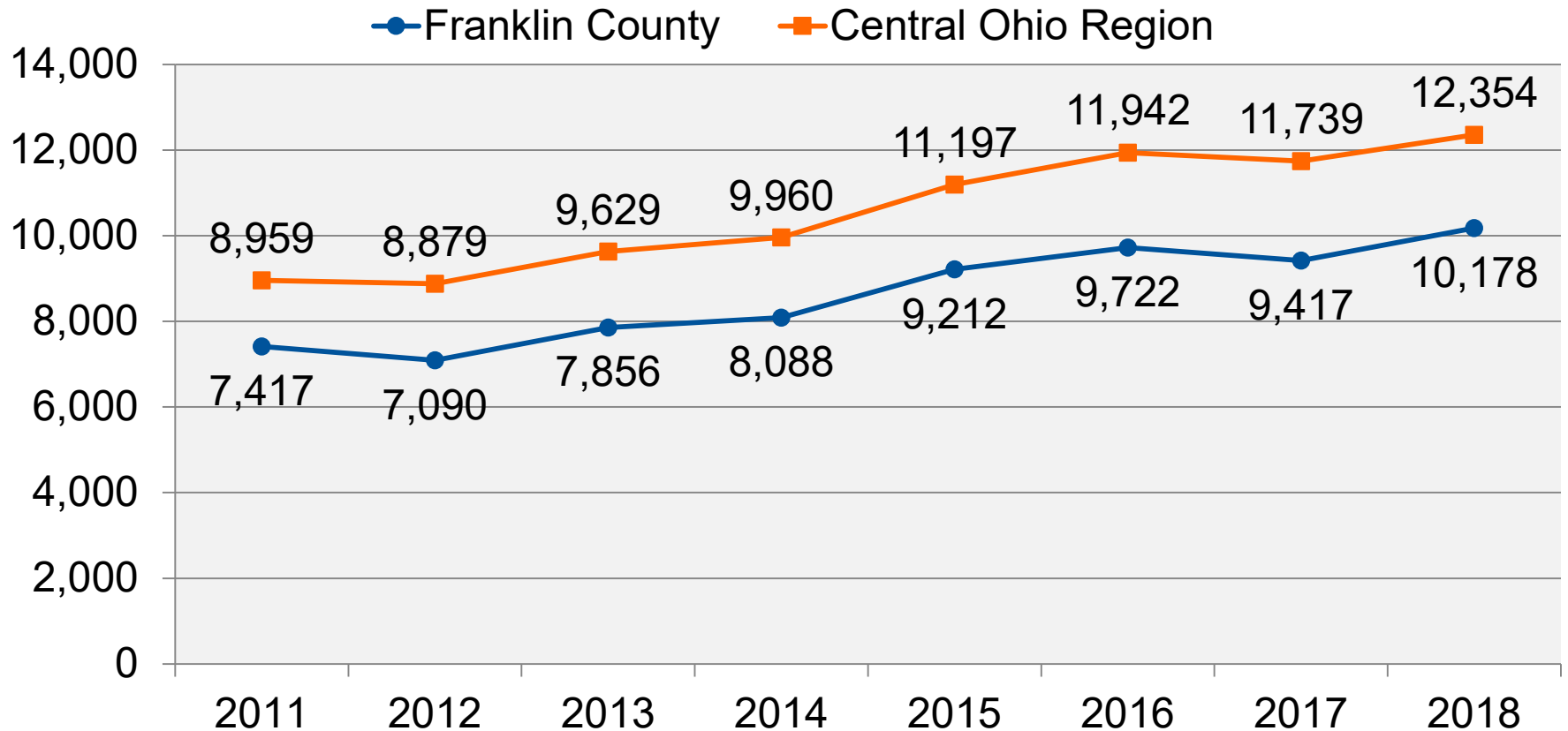


White  
182.4

7.3 : 1.0

# Chlamydia – # of Cases by Year

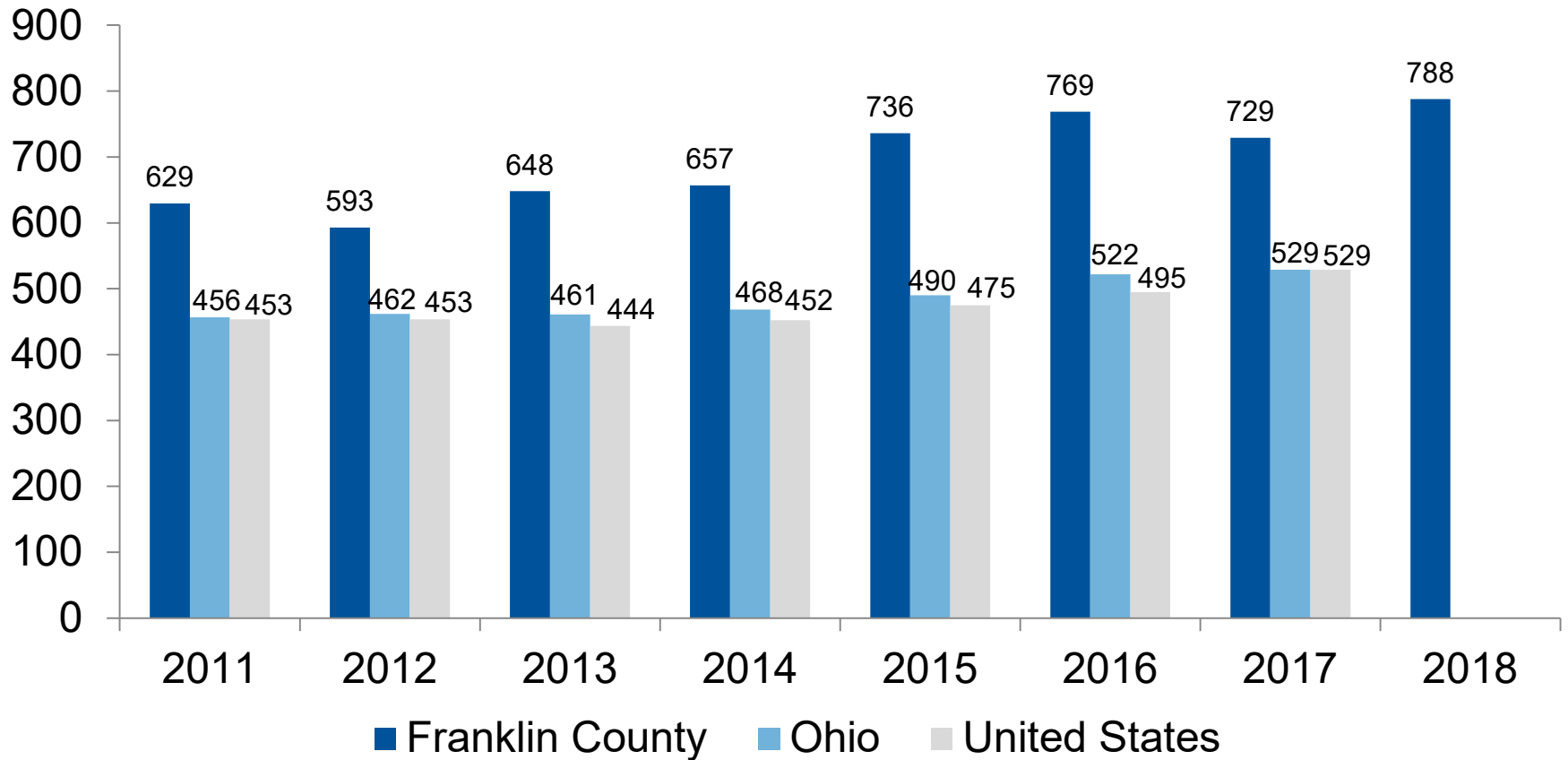
Franklin County & Central Ohio Region\*



\*Includes Delaware, Fairfield, Franklin, Licking, Madison, Morrow, Pickaway, & Union counties

# Chlamydia Rates by Year

Franklin County, Ohio, United States (per 100,000)



# Gonorrhea

Franklin County, 2018

4,935 cases  
(382.0 per 100,000)

## Age

- Younger adults (20-24) had the highest reported gonorrhea rates.

## Race

- African Americans had 6.0 times higher reported gonorrhea rates than whites.

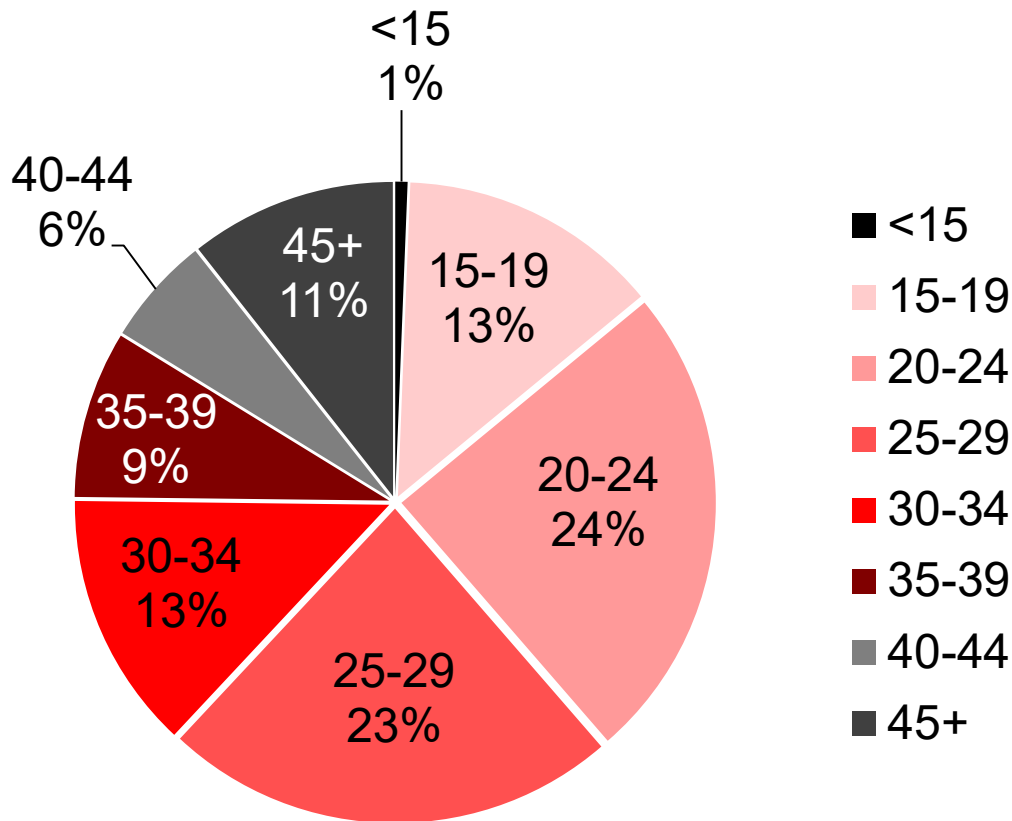
## Sex

- Males had 1.6 times higher reported gonorrhea rates than females.



# Gonorrhea by Age

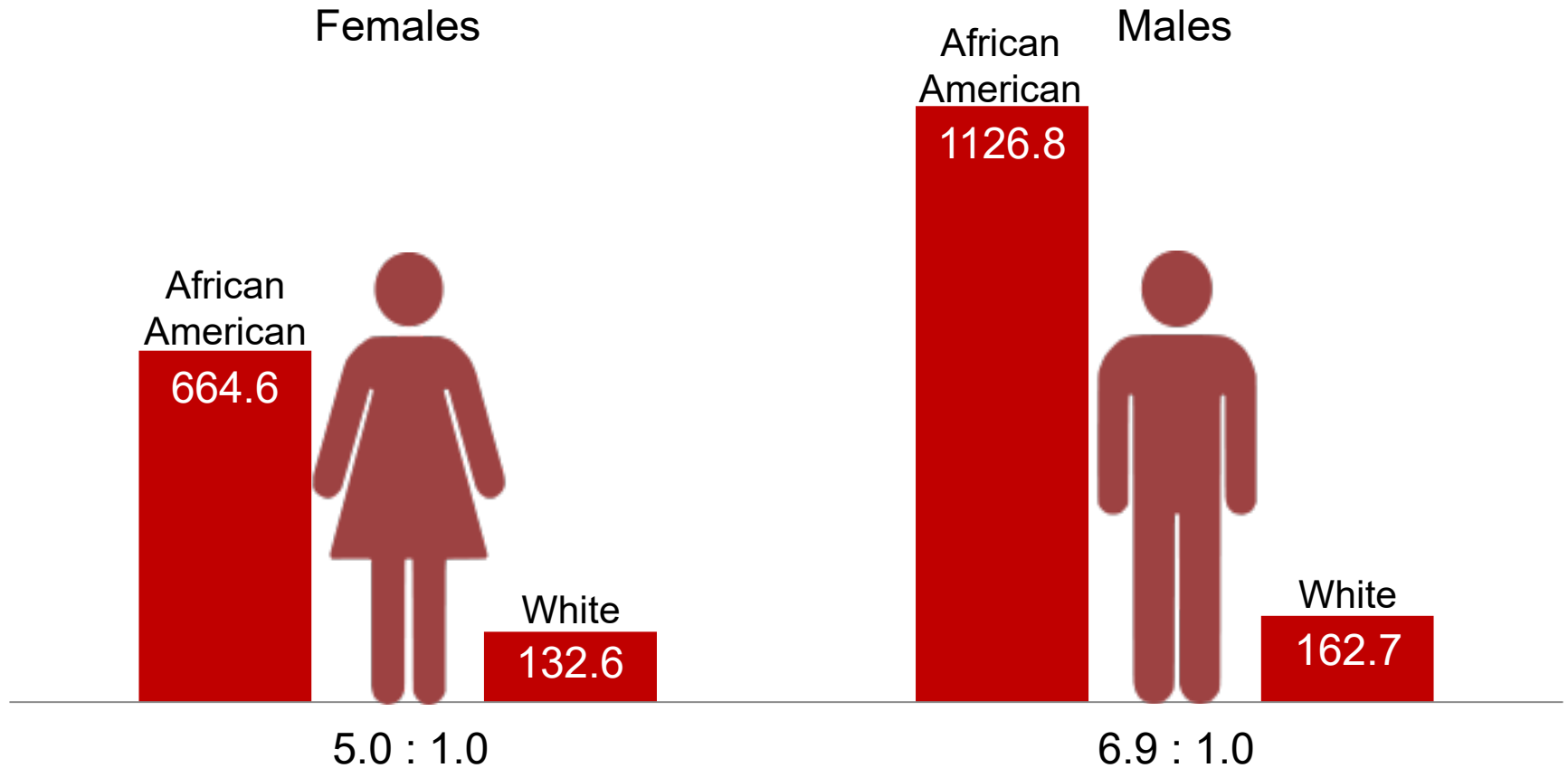
Franklin County, 2018; N=4,935



**Nearly 50%** of reported gonorrhea infections were among individuals aged 20-29 years old.

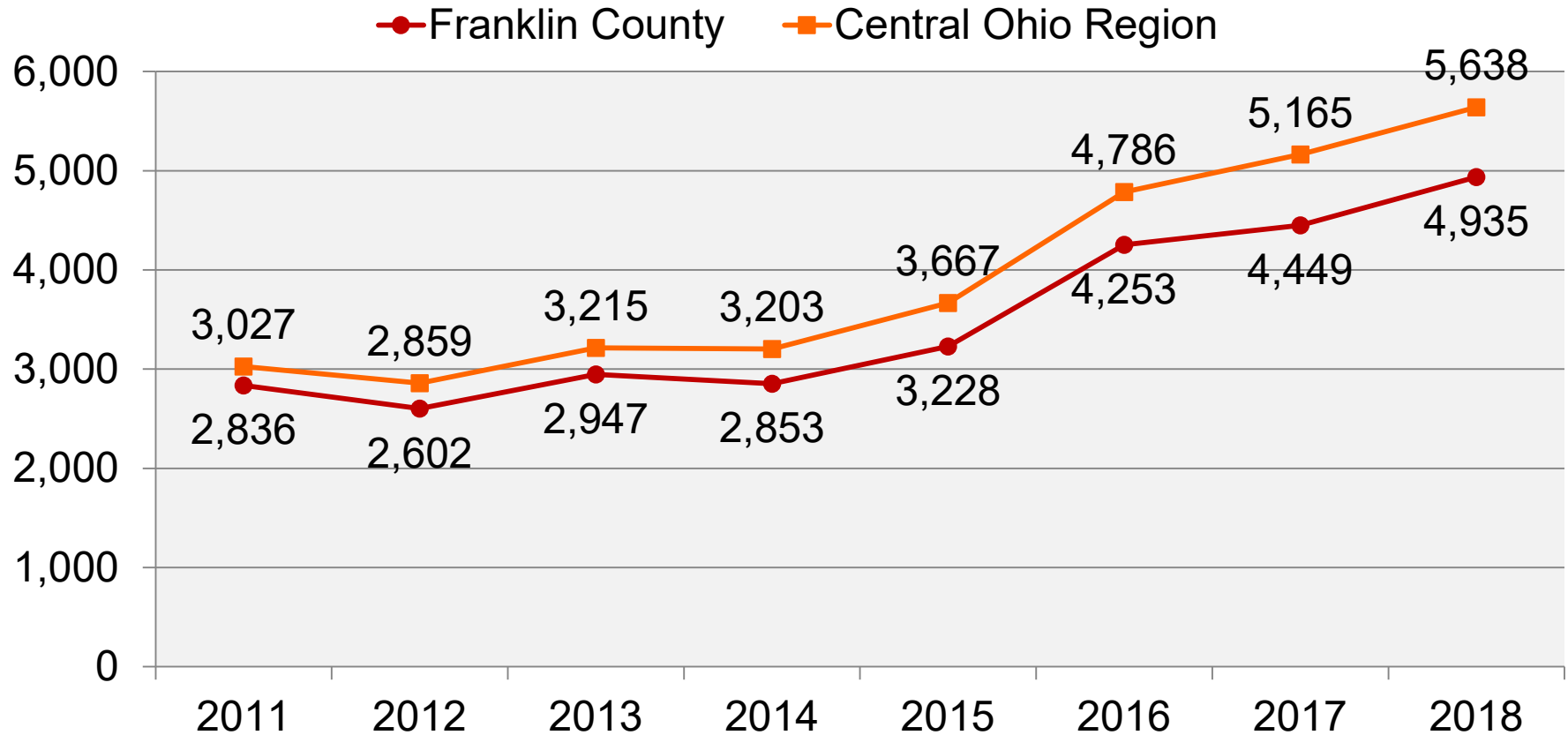
# Gonorrhea by Sex and Race

Rates per 100,000; Franklin County, 2018



# Gonorrhea – # of Cases by Year

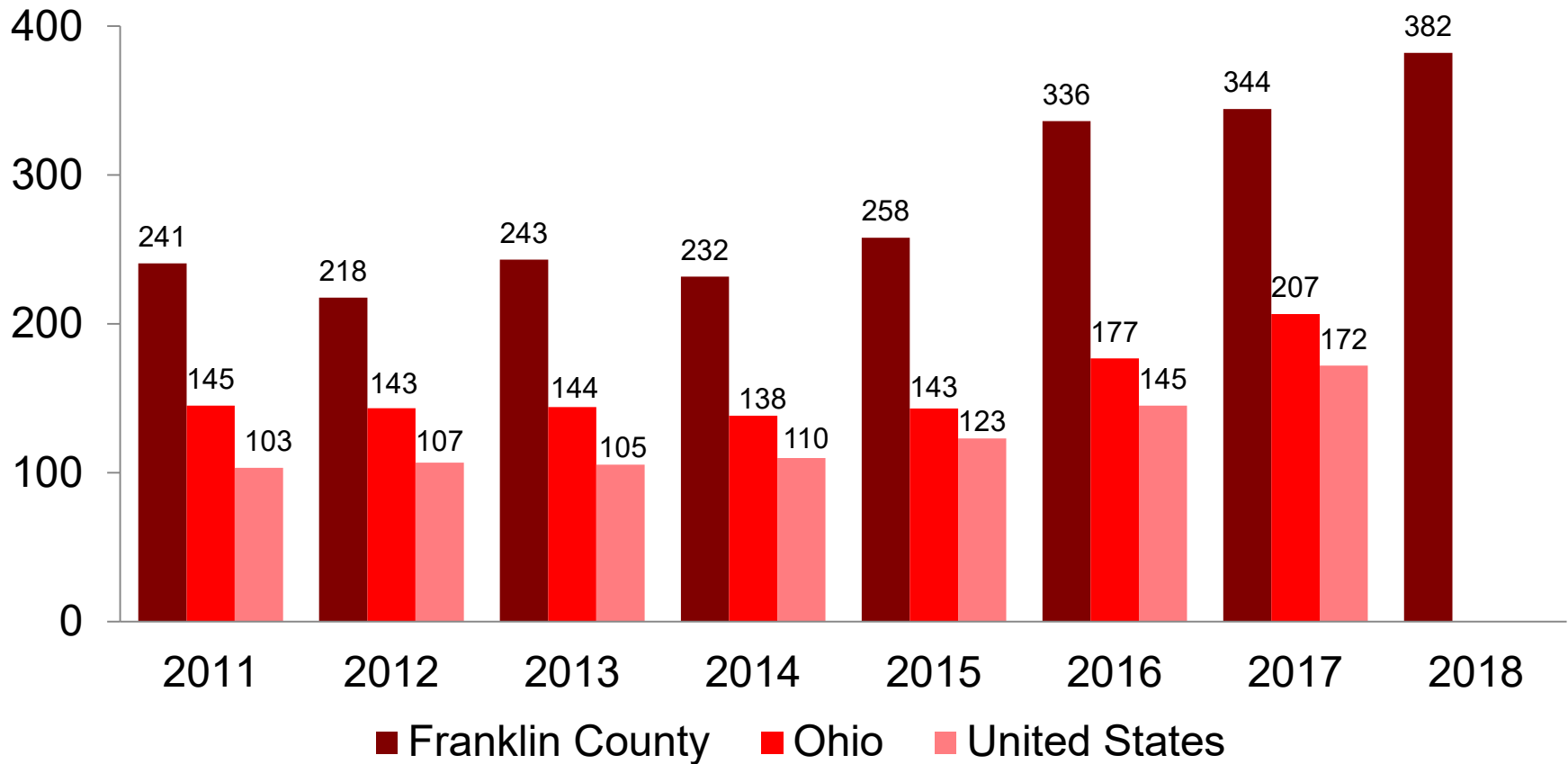
Franklin County & Central Ohio Region\*



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# Gonorrhea Rates by Year

Franklin County, Ohio, United States (per 100,000)



# Syphilis (Primary & Secondary)

Franklin County, 2018

212 cases  
(16.4 per 100,000)

## Age

- People between the ages of 20-24 had the highest reported rate of any age group.

## Race

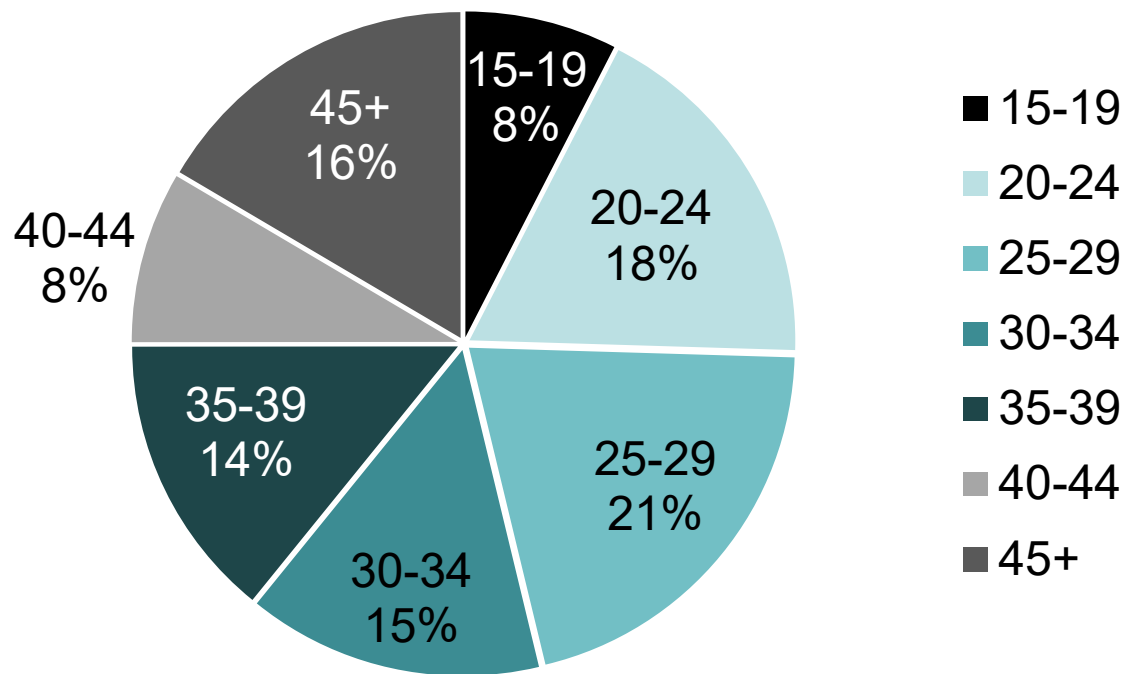
- African Americans had syphilis rates 2.7 times higher than whites.

## Sex

- Males had reported syphilis rates 8.2 times higher than females.

# Syphilis by Age

Primary & Secondary, Franklin County, 2018; N=212



Most reported primary and secondary syphilis infections were among those aged 20-34 years old.

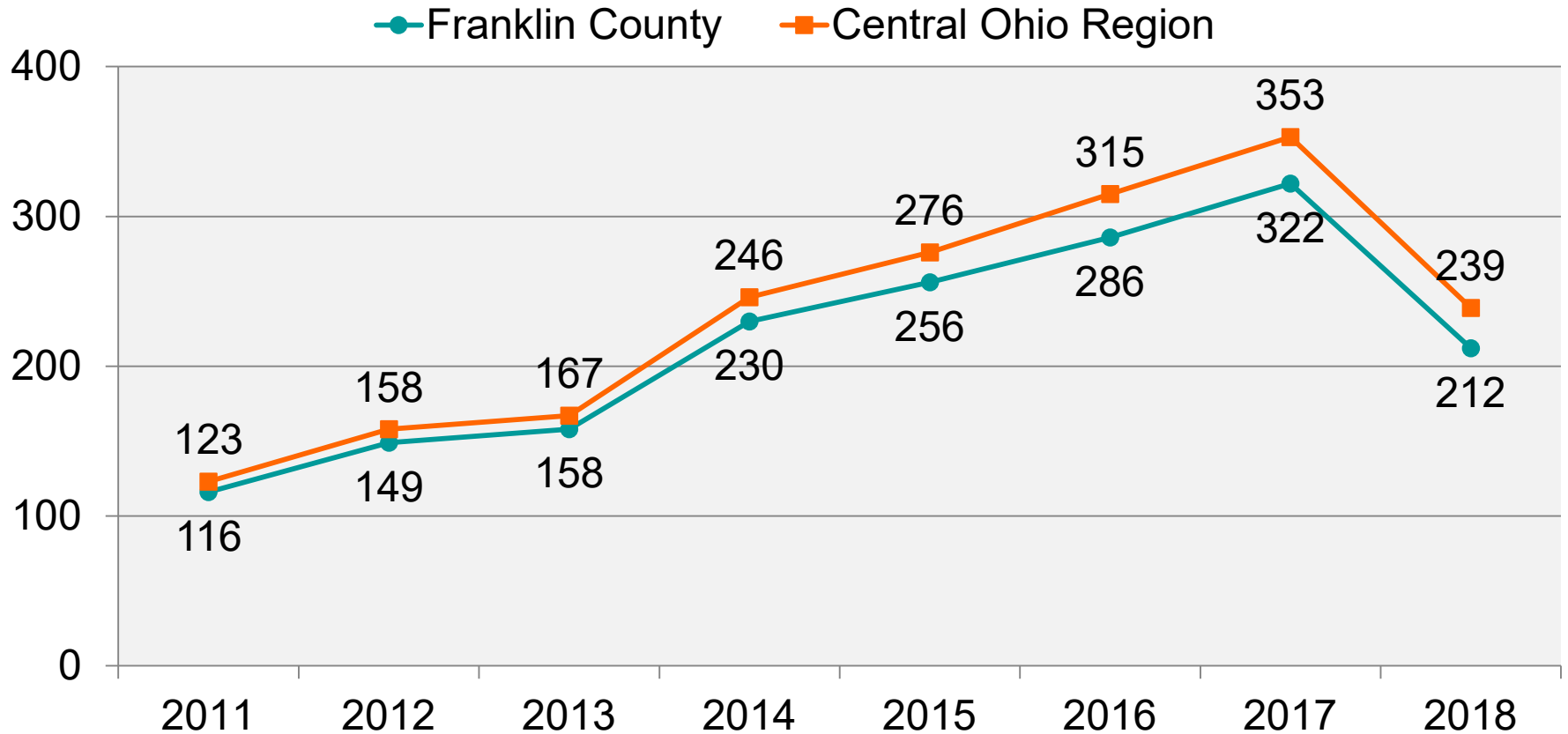
# Syphilis Rates by Sex

Rates per 100,000; Primary & Secondary; Franklin County, 2018



# Syphilis - # of Cases by Year

Primary & Secondary; Franklin County & Central Ohio Region\*

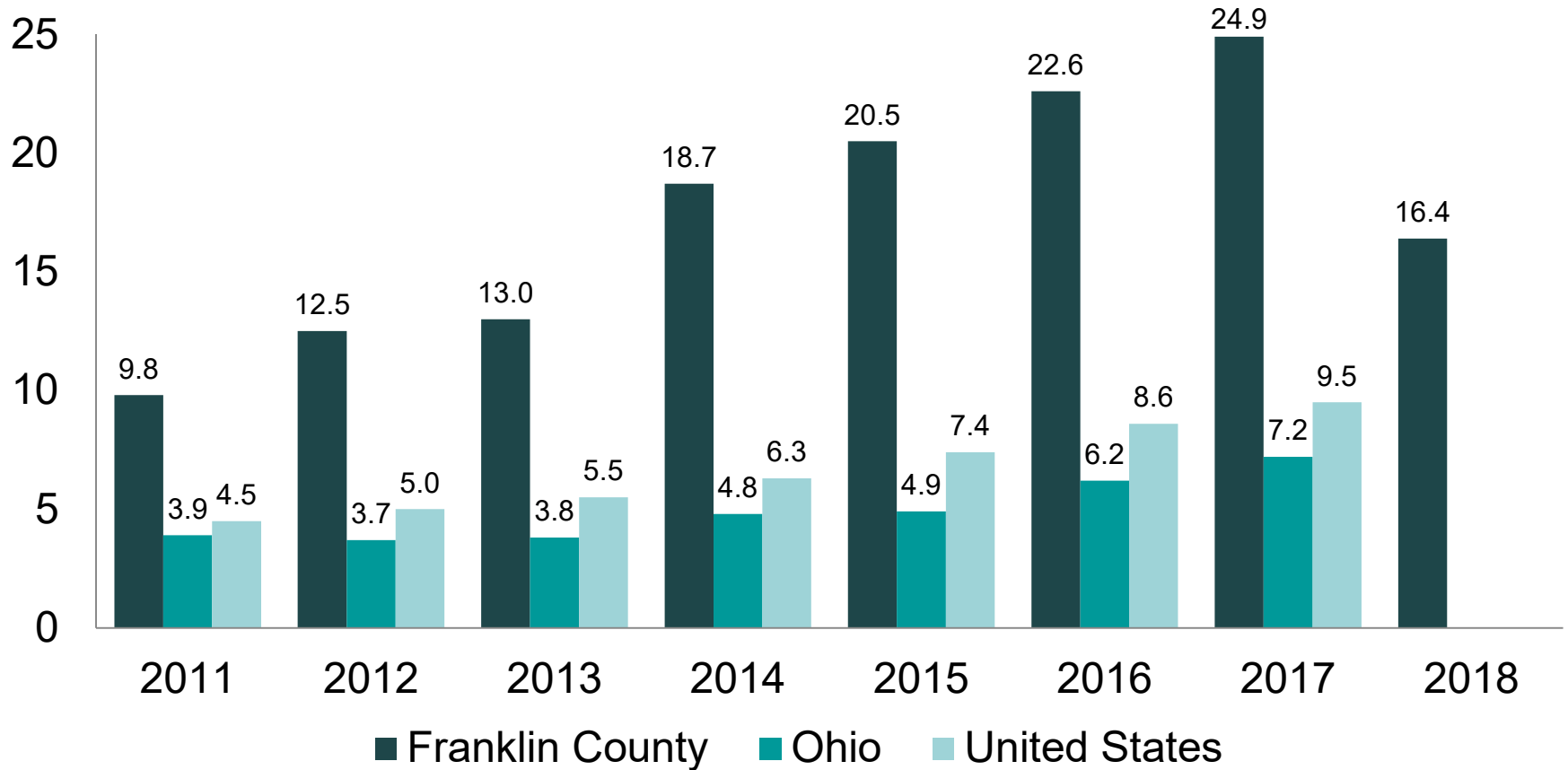


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# Syphilis Rates by Year

Primary & Secondary; Franklin County, Ohio, U.S. (per 100,000)



# Congenital Syphilis (2018)

- 8 congenital syphilis cases in Central Ohio\*
  - 88% of babies were asymptomatic.
  - 71% of mothers received prenatal care.
  - Most mothers had early or late latent stage syphilis.

*\*Includes Delaware, Fairfield, Franklin, Licking, Madison, Morrow, Pickaway & Union counties*

# New Diagnoses of HIV

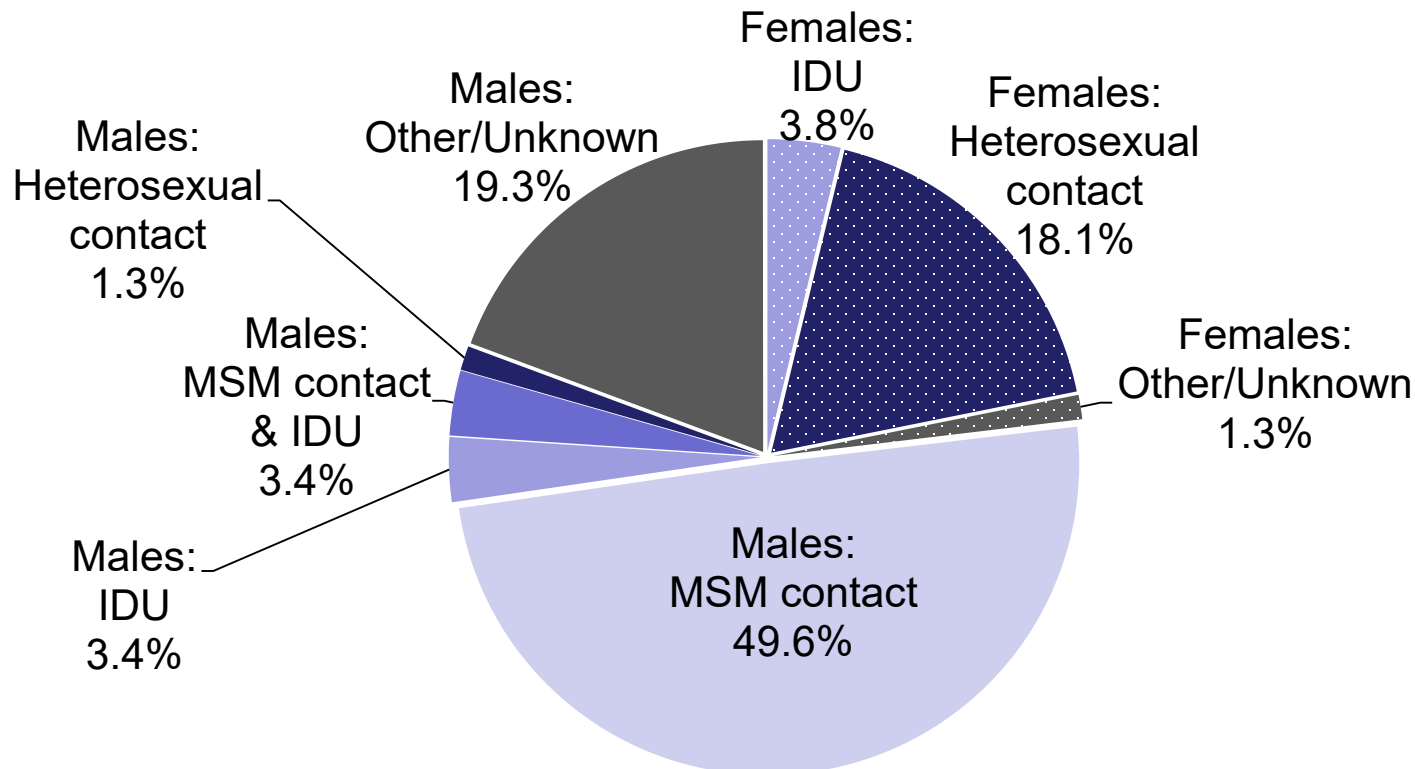
Franklin County, 2017

- **238** newly diagnosed cases of HIV infection (incidence rate=18.4 per 100,000)
  - Those **age 25-29** had the highest rate of HIV incidence (43.4 per 100,000).
  - **69%** of men newly diagnosed with HIV reported having **male-to-male sexual contact**.
  - **African Americans** had a reported incidence rate **4 times higher than whites**.

# New Diagnoses of HIV

Franklin County, 2017; N=238

## By Sex of Case and Transmission Category\*



*\*Transmission categories are mutually exclusive, hierarchical risk categories determined by the CDC and system calculated using sex at birth and risk factor history*

# Living with Diagnosed HIV

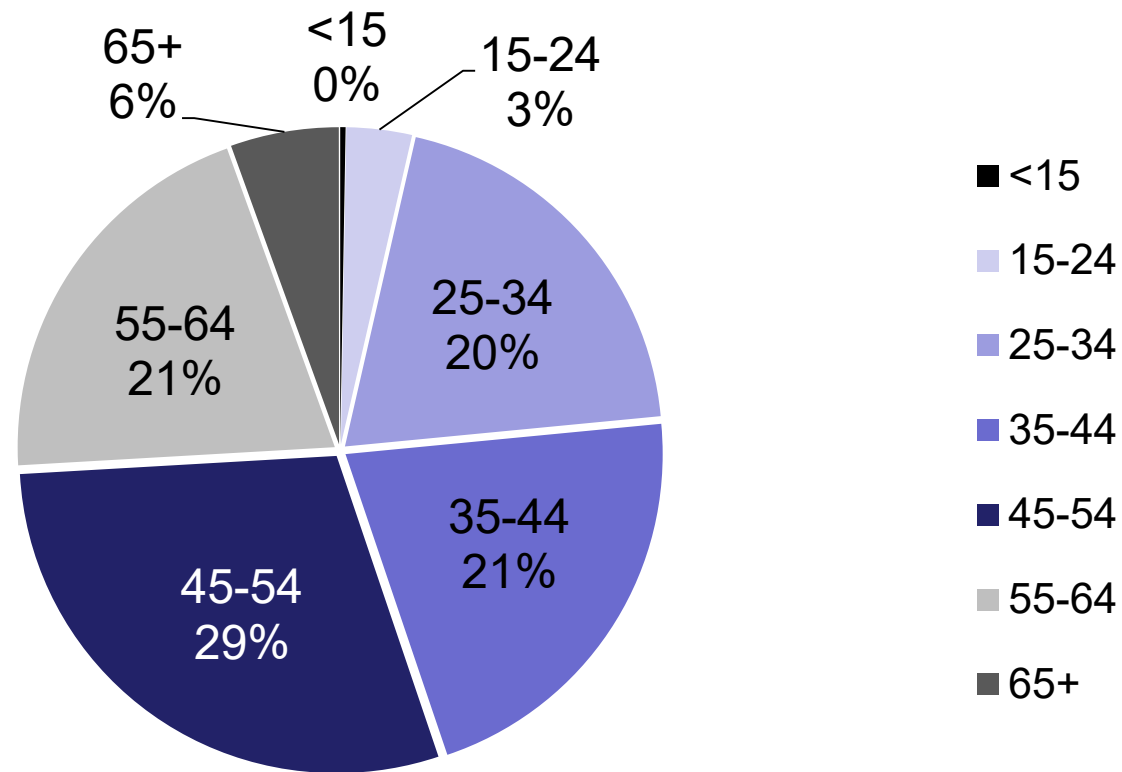
Franklin County, 2017

- **5,149** people living with diagnosed HIV (prevalence rate = 398.5 per 100,000)
  - Those **age 50-54** had the highest prevalence of HIV (1,085.9 per 100,000).
  - **79%** of men reported having **male-to-male sexual contact**.
  - **African Americans** had a prevalence rate **2.7 times greater than whites**.

# Living with Diagnosed HIV

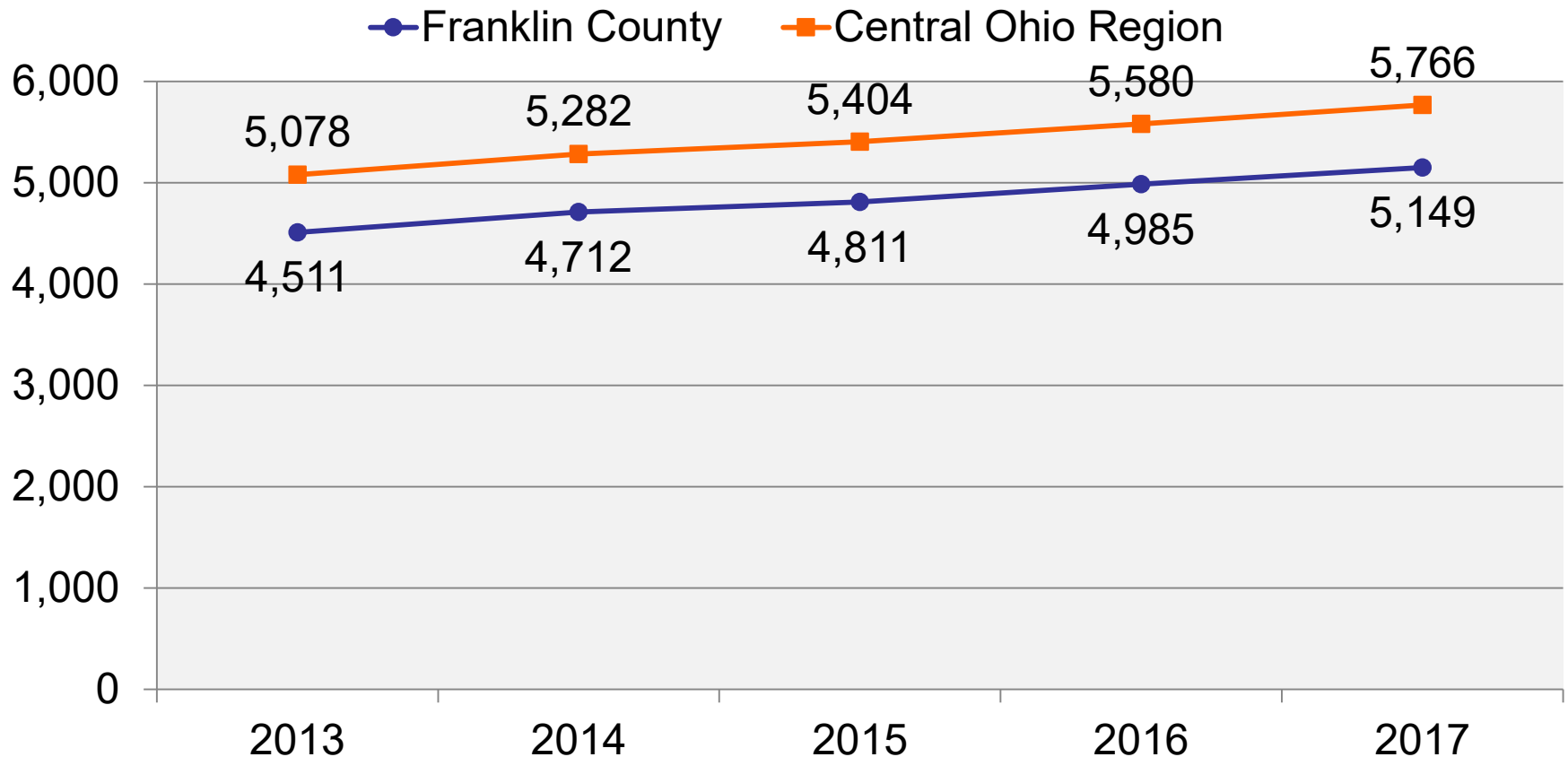
Franklin County, 2017; N=5,149

## By Age Group



# Reported Persons Living with HIV

# of Cases by Year; Franklin County & Central Ohio Region\*



\*Includes Delaware, Fairfield, Franklin, Licking, Madison, Morrow, Pickaway & Union counties

# Sources


- Franklin County and Central Ohio Region Statistics:
  - Chlamydia, gonorrhea and syphilis: Ohio Disease Reporting System, Analysis by Office of Epidemiology, Columbus Public Health. Data current as of March 31, 2019.
  - HIV: Ohio Department of Health HIV/AIDS Surveillance Program. Data reported through June 30, 2018.
- Ohio Statistics:
  - Chlamydia, gonorrhea and syphilis: Ohio Department of Health STD Surveillance Program, Bureau of Infectious Diseases. Data reported through May 24, 2018.
  - HIV: Ohio Department of Health HIV/AIDS Surveillance Program. Data reported through June 30, 2018.
- National Statistics:
  - Centers for Disease Control and Prevention. Sexually Transmitted Disease Surveillance 2017 ([www.cdc.gov/std/stats](http://www.cdc.gov/std/stats)) & HIV Surveillance Report 2017 (<http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>).



# Questions?



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