STIs in Central Ohio: Local, State & National Trends

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

- **Chlamydia**
  - 2017: 528.8 per 100,000
  - 6.9% increase from 2016

- **Gonorrhea**
  - 2017: 171.9 per 100,000
  - 18.6% increase from 2016

- **Syphilis**
  - 2017: 9.5 per 100,000
  - 10.5% increase from 2016
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

- <15: 1%
- 15-19: 27%
- 20-24: 36%
- 25-29: 19%
- 30-34: 8%
- 35-39: 4%
- 40-44: 2%
- 45+: 3%
- 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
- Ratio: 5.3 : 1.0

Males

- African American: 1,331.0
- White: 182.4
- Ratio: 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

<table>
<thead>
<tr>
<th></th>
<th>Females</th>
<th>Males</th>
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<tbody>
<tr>
<td></td>
<td>African American</td>
<td>664.6</td>
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<tr>
<td></td>
<td>White</td>
<td>132.6</td>
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<tr>
<td>Ratio</td>
<td>5.0 : 1.0</td>
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Gonorrhea – # of Cases by Year
Franklin County & Central Ohio Region*

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

![Graph showing gonorrhea cases by year for Franklin County and Central Ohio Region.](image)
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.
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

29.8

3.6

8.2 : 1.0
Syphilis - # of Cases by Year
Primary & Secondary; Franklin County & Central Ohio Region*

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

- <15: 0%
- 15-24: 3%
- 25-34: 20%
- 35-44: 21%
- 45-54: 29%
- 55-64: 21%
- 65+: 6%
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:**

- **Ohio Statistics:**
  - Chlamydia, gonorrhea and syphilis: Ohio Department of Health STD Surveillance Program, Bureau of Infectious Diseases. Data reported through May 24, 2018.

- **National Statistics:**
Questions?

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