



Chlamydia and Gonorrhea Infections Among 15-24 Year Olds

STD Surveillance Program
2013

Chlamydia

- Most people infected with chlamydia are asymptomatic
- 10-15% of infected women who go untreated develop pelvic inflammatory disease (PID)
- PID and asymptomatic infection in the female upper genital tract may cause permanent damage to the fallopian tubes, uterus, and surrounding tissues, which can lead to infertility
- Common symptoms in men and women include discharge from genitals and painful urination
- Chlamydia infections may also increase the likelihood of becoming infected with HIV



Chlamydia in Ohio: 2012

Overall:

- 53,297 cases reported (as of 05/05/2013)
- 462.0 cases/100,000

Sex:

- 73% of cases reported were females

Age:

- 74% of cases were reported in 15 – 24 year olds

Race:

- 27% of cases were missing race information
- Among cases with a known race, 53% were black

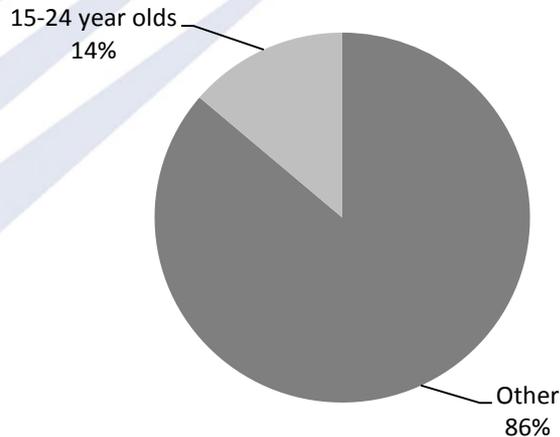
Ethnicity:

- 48% of cases were missing ethnicity information
- Among cases with a known ethnicity, 96% were non-Hispanic/Latino



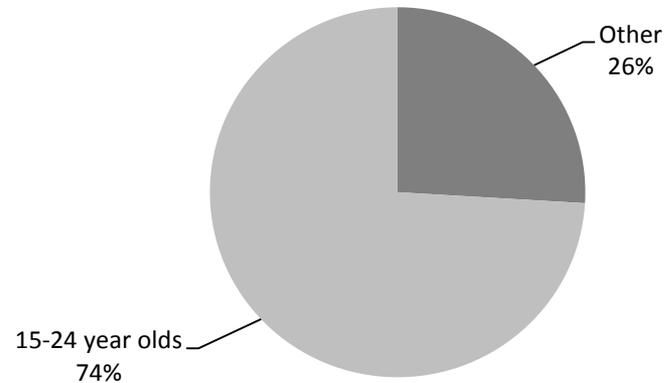
Major Health Disparity for 15-24 Year Olds

2012 Total Population in Ohio

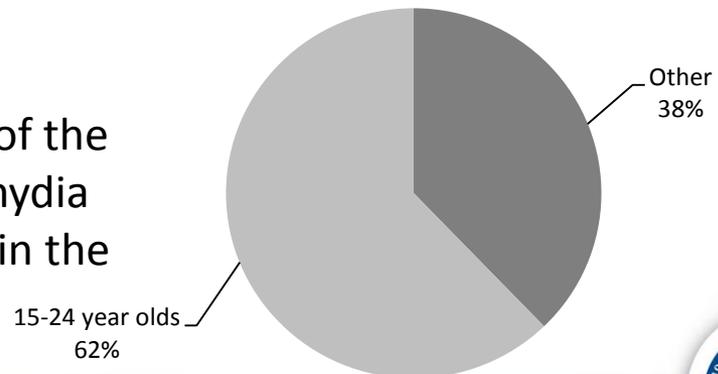


Even though 15-24 year olds made up 14% of the total Ohio population in 2012, 74% of chlamydia infections and 62% of gonorrhea infections in the state were diagnosed in this group.

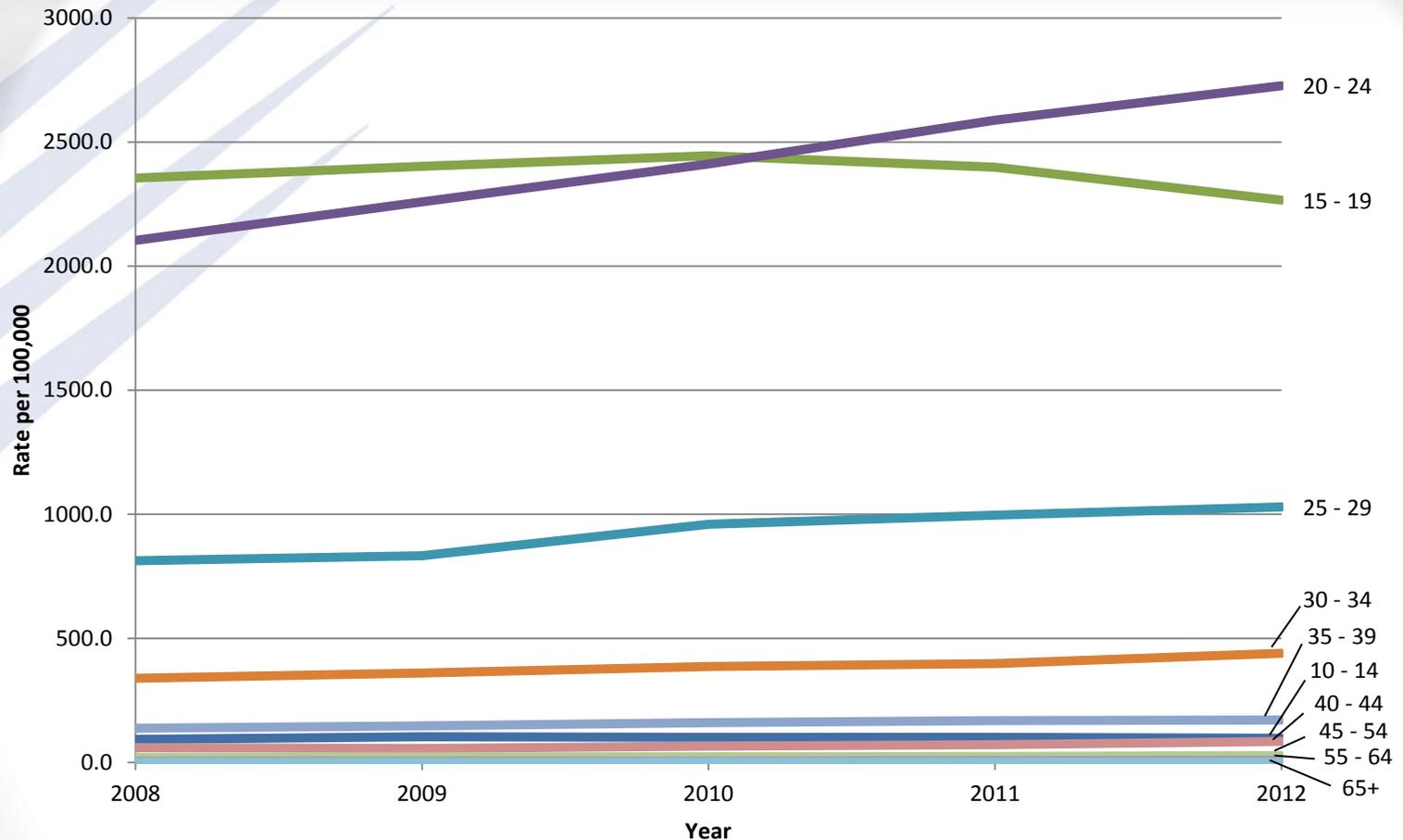
2012 Chlamydia Infections



2012 Gonorrhea Infections



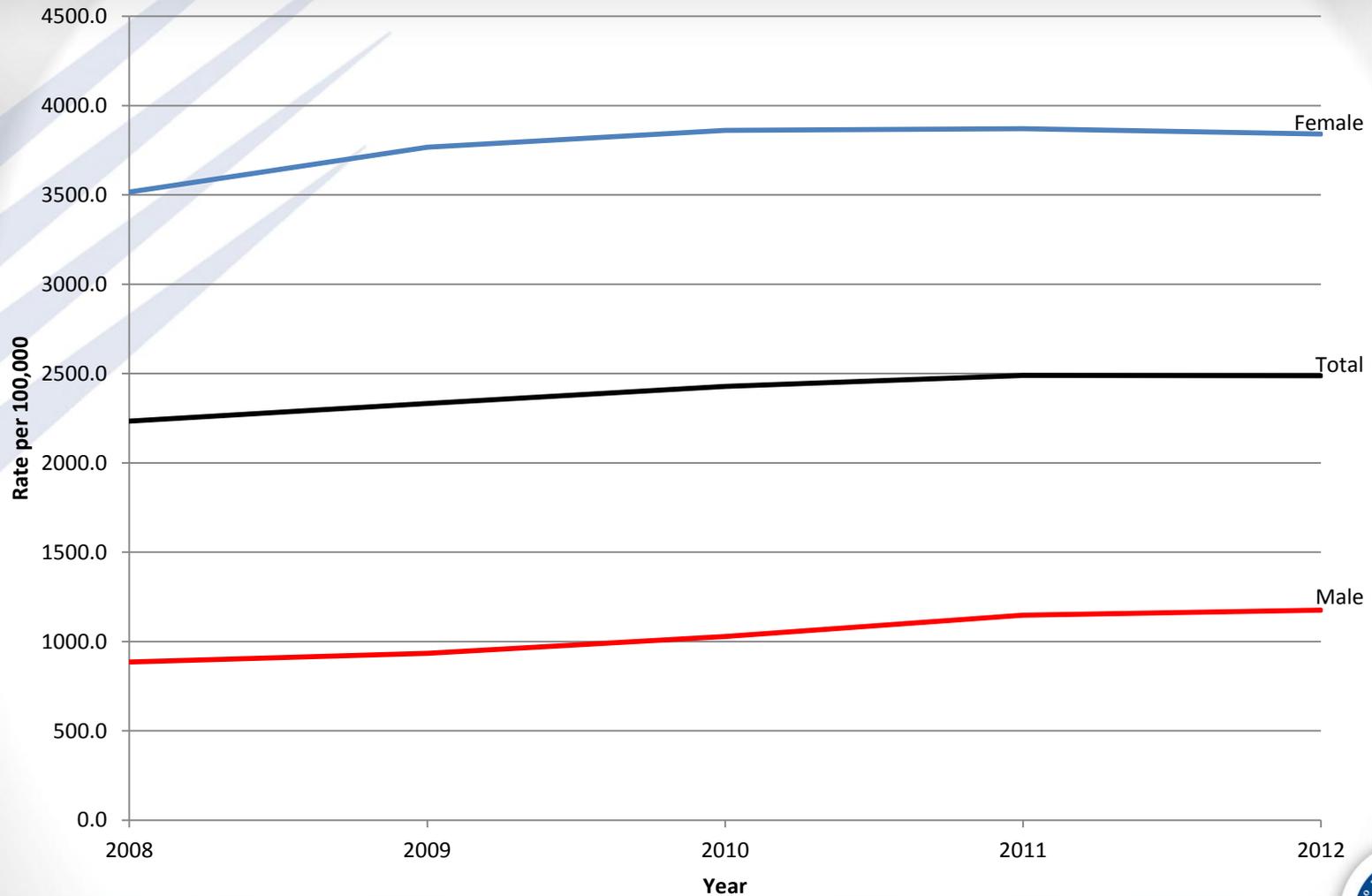
Chlamydia Infection Rate for Ohio, 2008 - 2012 Age at Diagnosis



- Rates among 15-24 year olds have been substantially higher than all other age groups over the last 5 years.
- Rates among 20-24 year olds have been rising while rates among 15-19 year olds are recently declining.



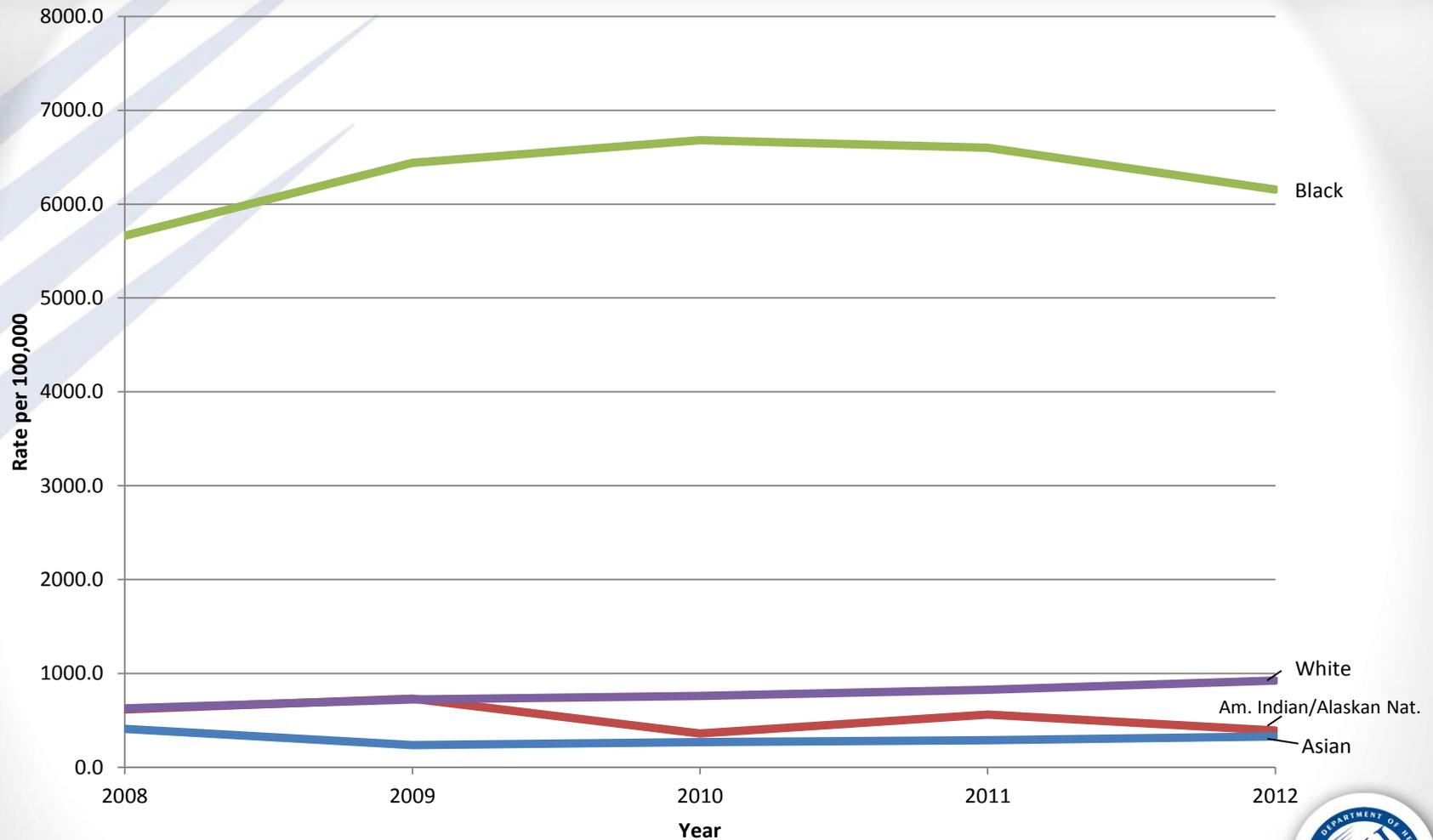
Chlamydia Infection Rate Among 15-24 Year Olds in Ohio, 2008 - 2012



- Females aged 15-24 have had infection rates 3 to 4 times the rates of males in the same age group.



Chlamydia Infection Rate Among 15-24 Year Olds in Ohio, 2008 - 2012 Race*



- A major racial disparity has been present over the past 5 years.
- In 2012, the infection rate among blacks was almost 7 times the infection rate of whites.

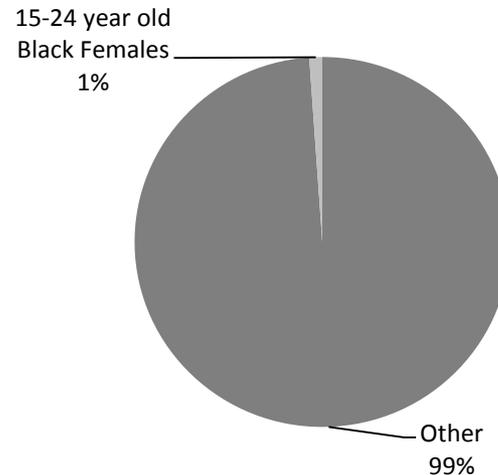
* 28% of cases were missing race from 2008 – 2012



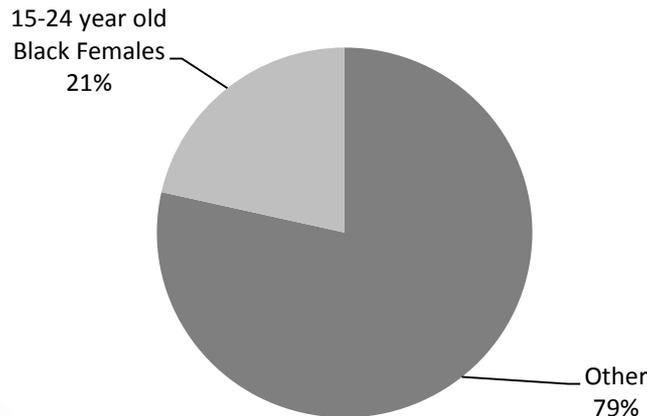
Disparity Among Young Black Females

Even though 15-24 year old black females accounted for 1% of the total population in Ohio...

2012 Total Population in Ohio



2012 Chlamydia Infections



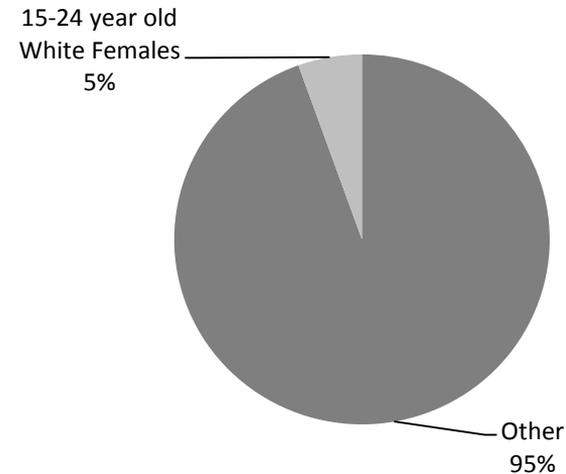
...they accounted for 21% of the chlamydia infections in the state in 2012.



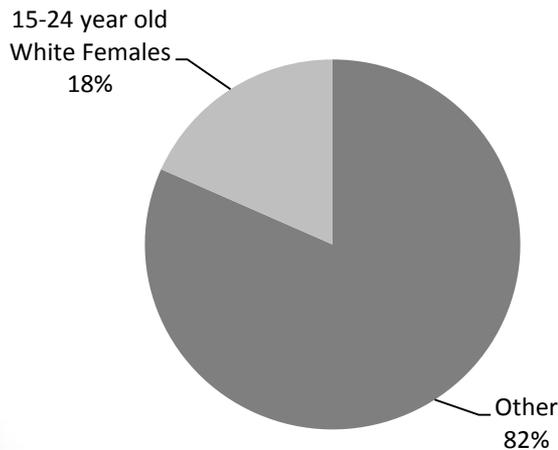
Disparity Among Young White Females

Even though 15-24 year old white females accounted for 5% of the total population in Ohio...

2012 Total Population in Ohio



2012 Chlamydia Infections

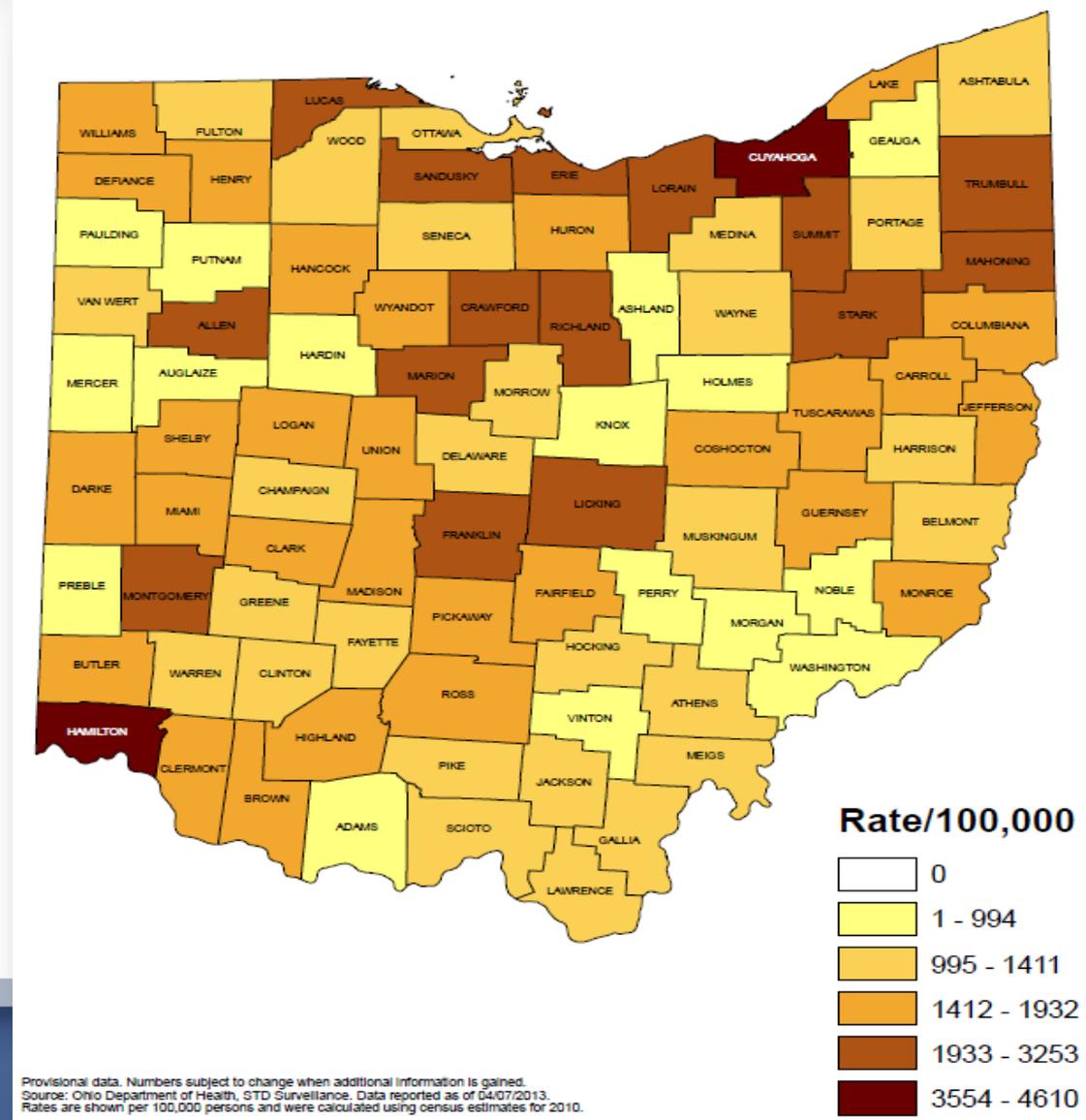


...they accounted for almost 20% of the chlamydia infections in the state in 2012.



2012 Chlamydia Among 15-24 Year Olds

- The highest chlamydia rates occurred in urban areas in the state.
- 44% of chlamydia infections were diagnosed among residents of Cuyahoga (Cleveland), Franklin (Columbus), or Hamilton (Cincinnati) Counties in 2012.



Gonorrhea

- Many people infected with gonorrhea are asymptomatic
- Infected women who go untreated can develop PID
- PID can lead to infertility and increased chances of ectopic pregnancy (and ultimately miscarriage)
- Common symptoms in men and women include discharge from genitals
- Untreated gonorrhea infections may also increase the likelihood of becoming infected with HIV or transmitting the virus
- It is not uncommon for someone diagnosed with chlamydia to simultaneously receive a gonorrhea diagnosis



Gonorrhea in Ohio: 2012

Overall:

- 16,552 cases reported (as of 05/05/2013)
- 143.5 cases/100,000

Sex:

- 59% of cases reported were females

Age:

- 62% of cases were reported in 15 – 24 year olds

Race:

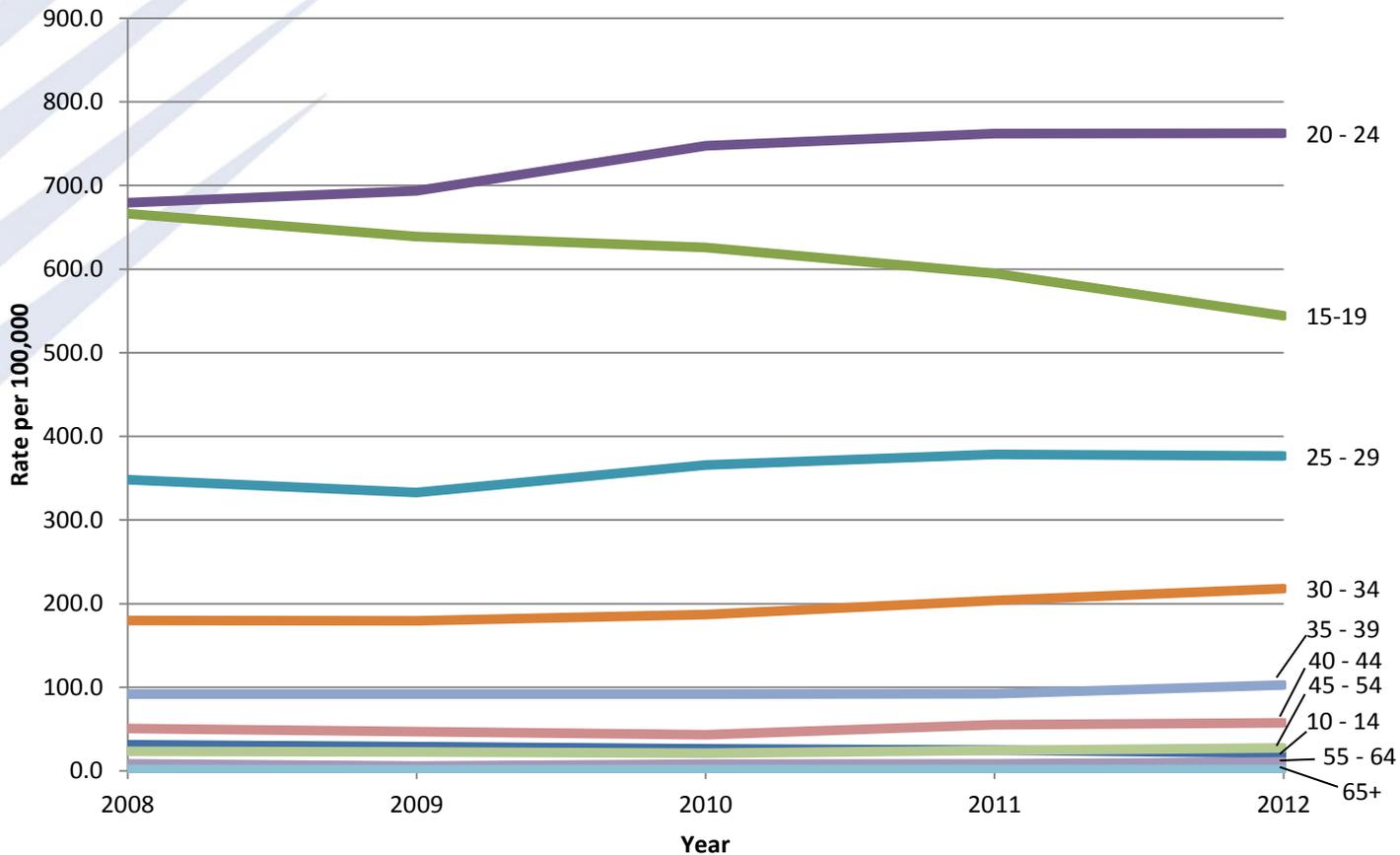
- 21% of cases were missing race information
- Among cases with a known race, 70% were black

Ethnicity:

- 46% of cases were missing ethnicity information
- Among cases with a known ethnicity, 97% were non-Hispanic/Latino



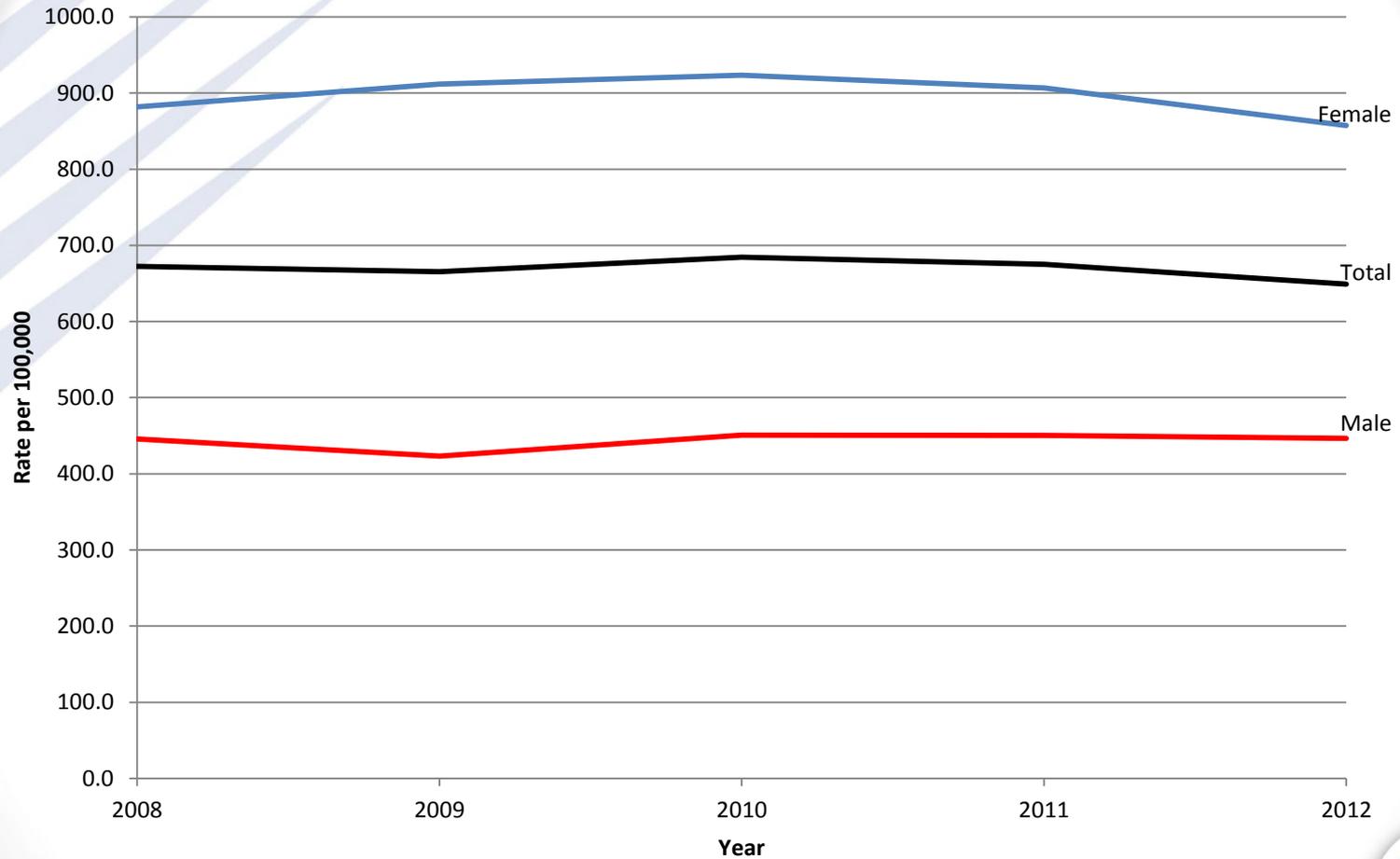
Gonococcal Infection Rate for Ohio, 2008 - 2012 Age at Diagnosis



- Like chlamydia rates, gonorrhea rates among 15-24 year olds have been higher than all other age groups over the last 5 years.
- Rates among 20-24 year olds have been rising while rates among 15-19 year olds have been declining.



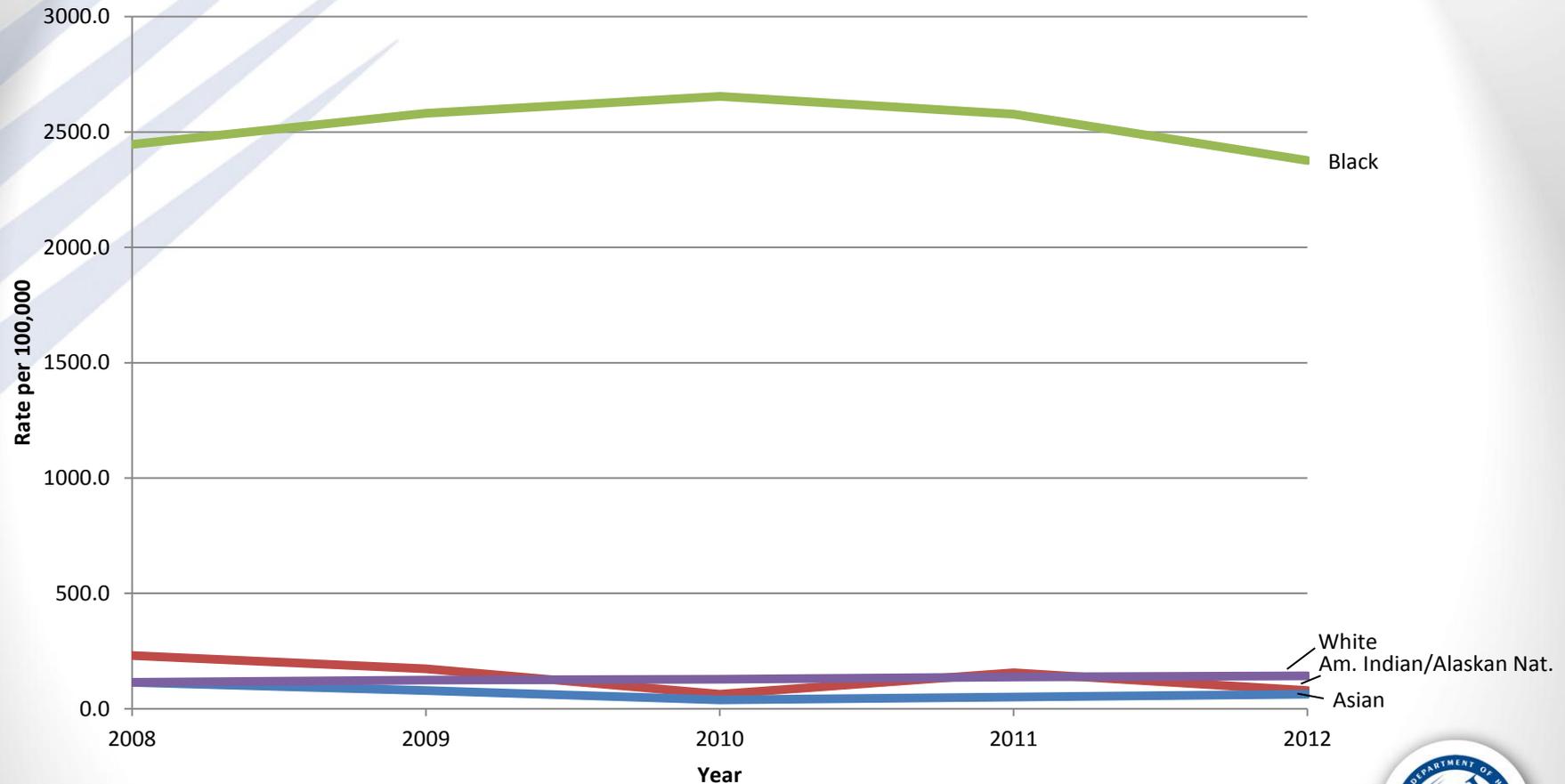
Gonococcal Infection Rate Among 15-24 Year Olds in Ohio, 2008 - 2012



- Females aged 15-24 have had infection rates twice as high as the rates of males in the same age group.



Gonococcal Infection Rate Among 15-24 Year Olds in Ohio, 2008 - 2012 Race*



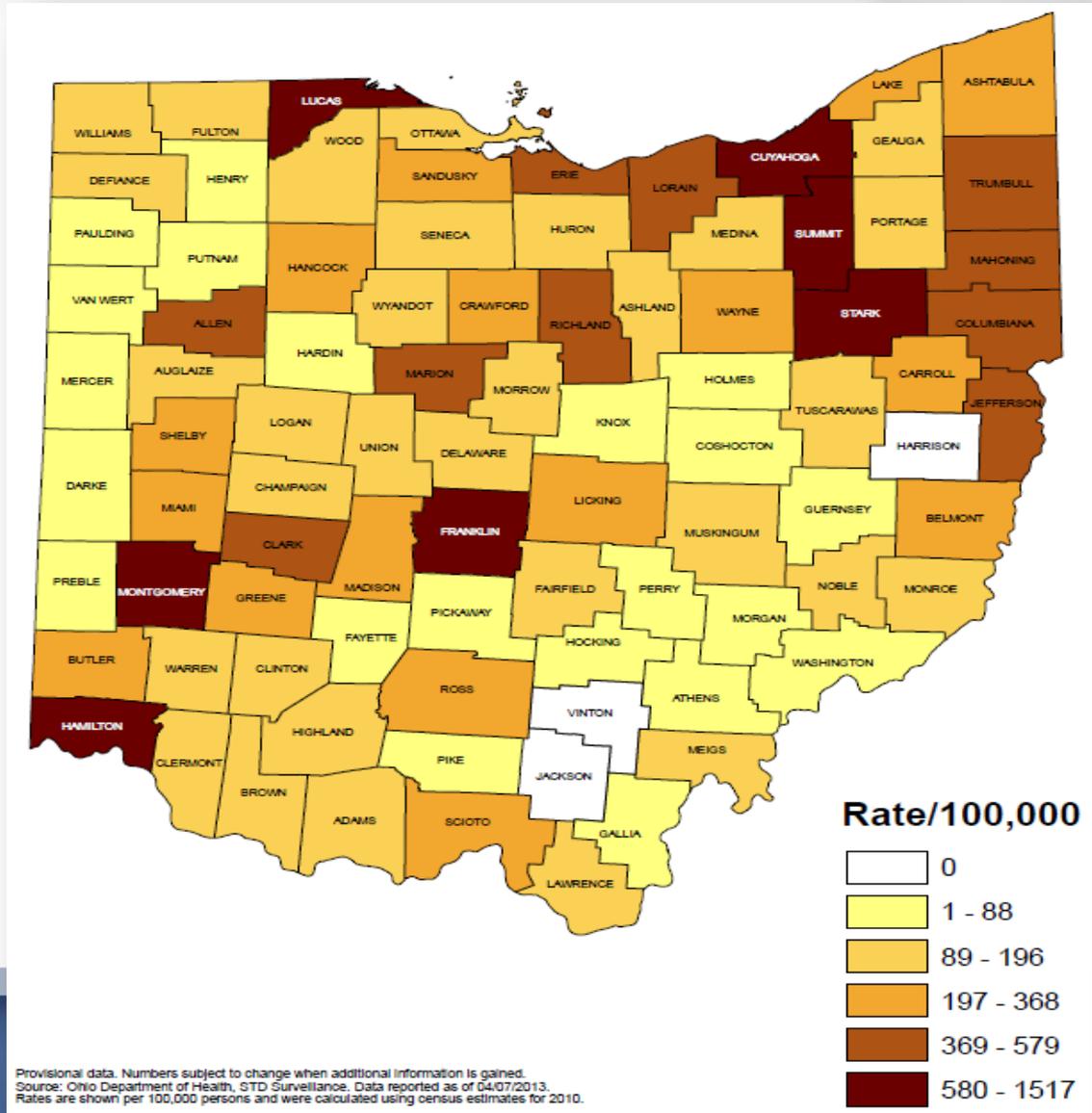
- A major racial disparity has been present over the past 5 years.
- In 2012, the infection rate among blacks was almost 17 times the infection rate of whites.

* 21% of cases were missing race from 2008 – 2012



2012 Gonorrhea Among 15-24 Year Olds

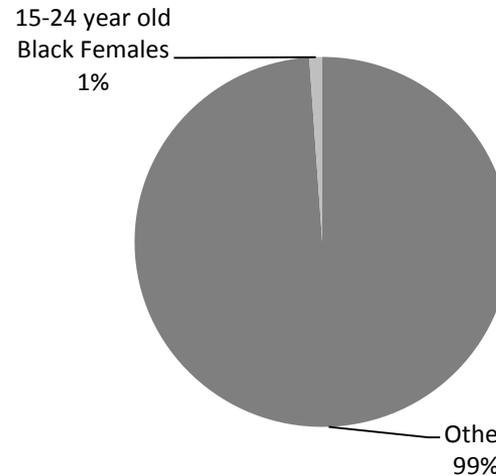
- The highest gonorrhea rates occurred in urban areas in the state.
- 54% of gonorrhea infections were diagnosed among residents of Cuyahoga (Cleveland), Franklin (Columbus), or Hamilton (Cincinnati) Counties in 2012.



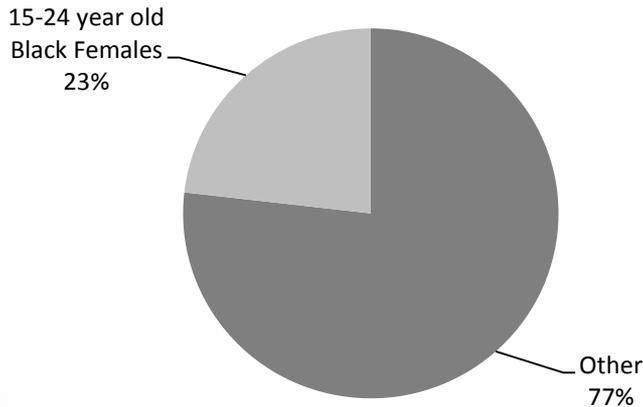
Disparity Among Young Black Females

Even though 15-24 year old black females accounted for 1% of the total population in Ohio...

2012 Total Population in Ohio



2012 Gonorrhea Infections



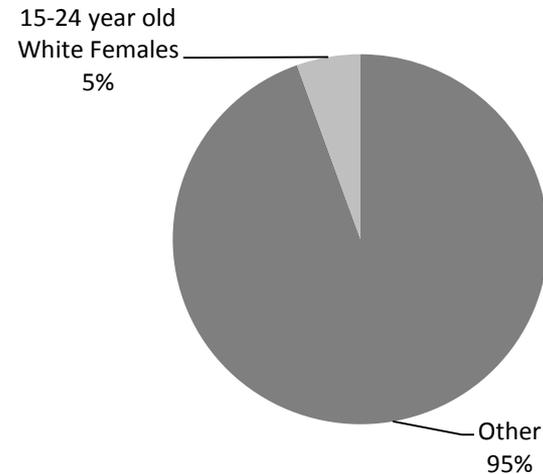
...they accounted for almost 25% of the gonorrhea infections in the state in 2012.



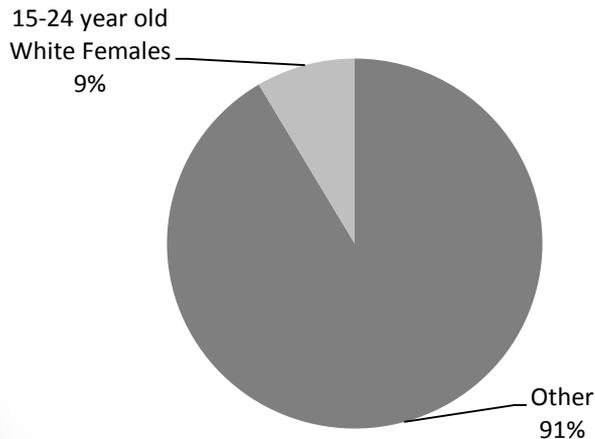
Disparity Among Young White Females

Even though 15-24 year old white females accounted for 5% of the total population in Ohio...

2012 Total Population in Ohio



2012 Gonorrhea Infections



...they accounted for 9% of the gonorrhea infections in the state in 2012.



For additional STD data, visit:

<http://www.odh.ohio.gov/healthStats/disease/std/std1.aspx>

**For information on STD prevention
and STD testing sites, visit:**

<http://www.odh.ohio.gov/odhprograms/hastpac/stdprev/stdprev.aspx>

