



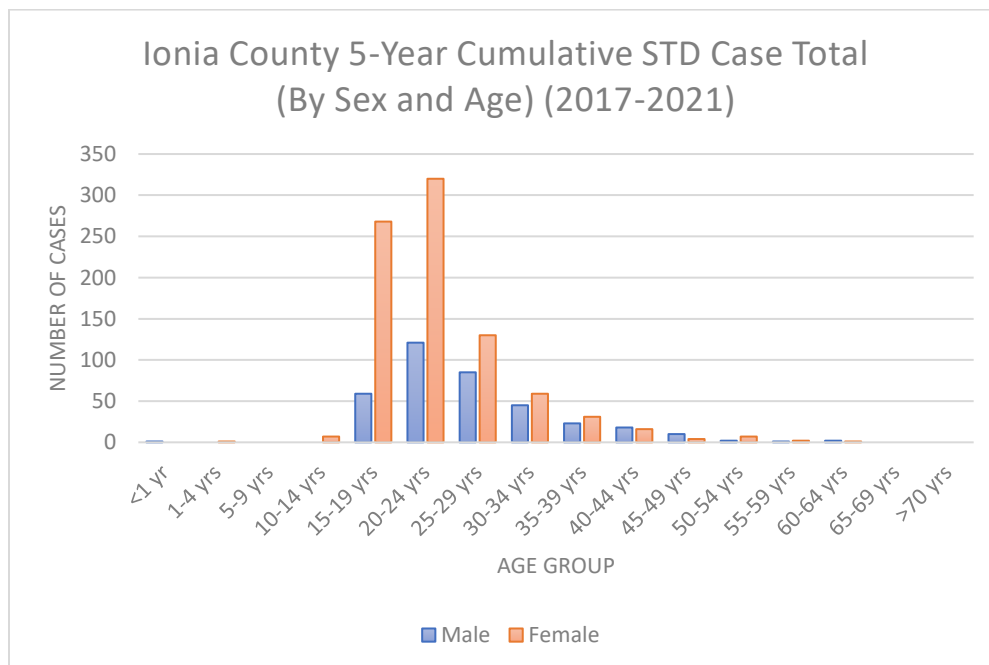
## Ionia County Sexually Transmitted Disease (STD) Report

### 2017-2021

This data report focused on the trends and characteristics of sexually transmitted diseases in Ionia County between 01/01/2017 and 12/31/2021. Data was collected from the Michigan Disease Surveillance System (MDSS) and Michigan Care Improvement Registry (MCIR).

#### General Points

- ^There were 1,214 reported cases of sexually transmitted disease between 2017 and 2021.
- ^Cases of gonorrhea were reported in 13 ZIP codes in the Ionia County Health Jurisdiction.
- ^Cases of chlamydia were reported in 18 ZIP codes in the Ionia County Health Jurisdiction.



■ 5-Year Cumulative STD Case Total by Sex and Age (Data retrieved from MDSS)

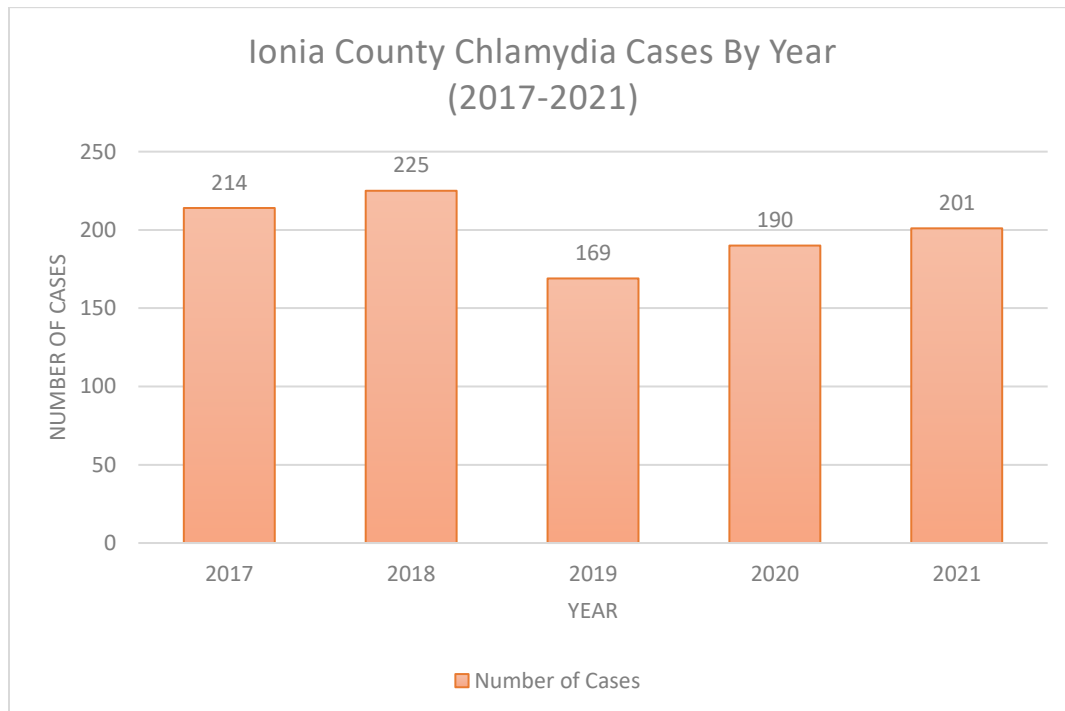
## Chlamydia: Data, Graphs, and Figures

### Demographic Data

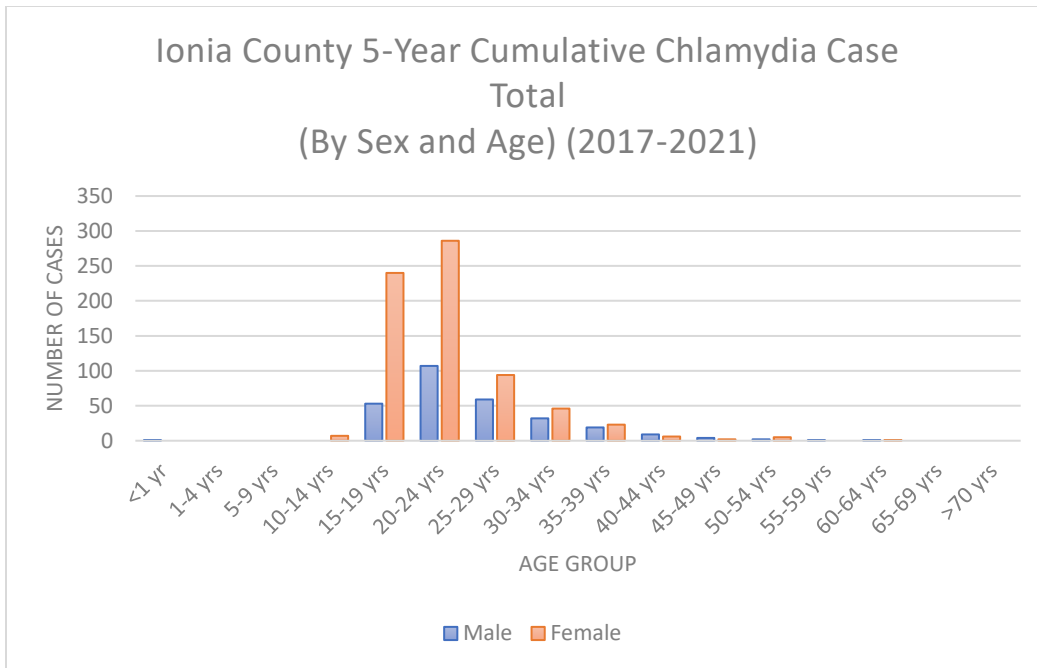
- ^Chlamydia made up **82.3%** of all reported STD cases between 2017 and 2021.
- ^Females represented **71%** of all reported cases.
- ^**89%** of cases were reported in individuals 15-29 years old.
  - Age 15-19: **293**, 20-24: **393**, 25-29: **153**
- ^Cases per year have remained relatively constant, with 2018 seeing the most cases (**225**).

### Treatment Data

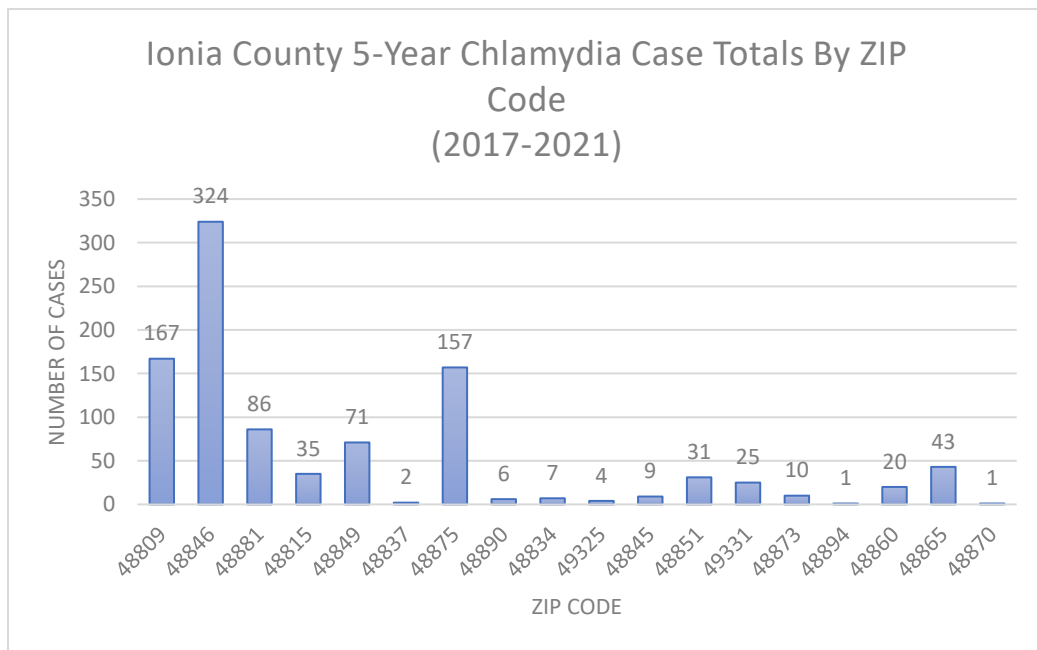
- ^^The average age of those treated for chlamydia was **23.4** years (Males: **25.4**, Females: **22.6**).
- ^^**55%** of those with a positive lab result were treated the same day (Males: **71%**, Females: **48%**).
- ^^The average time between a positive lab result and treatment was **1.6** days (Males: **1.1**, Females: **1.8**).



- Chlamydia Cases by Year (2017-2021) (Data retrieved from MDSS)



■ 5-Year Cumulative Chlamydia Case Total by Sex and Age (Data retrieved from MDSS)



■ 5-Year Cumulative Chlamydia Case Total by ZIP code (Data retrieved from MDSS)

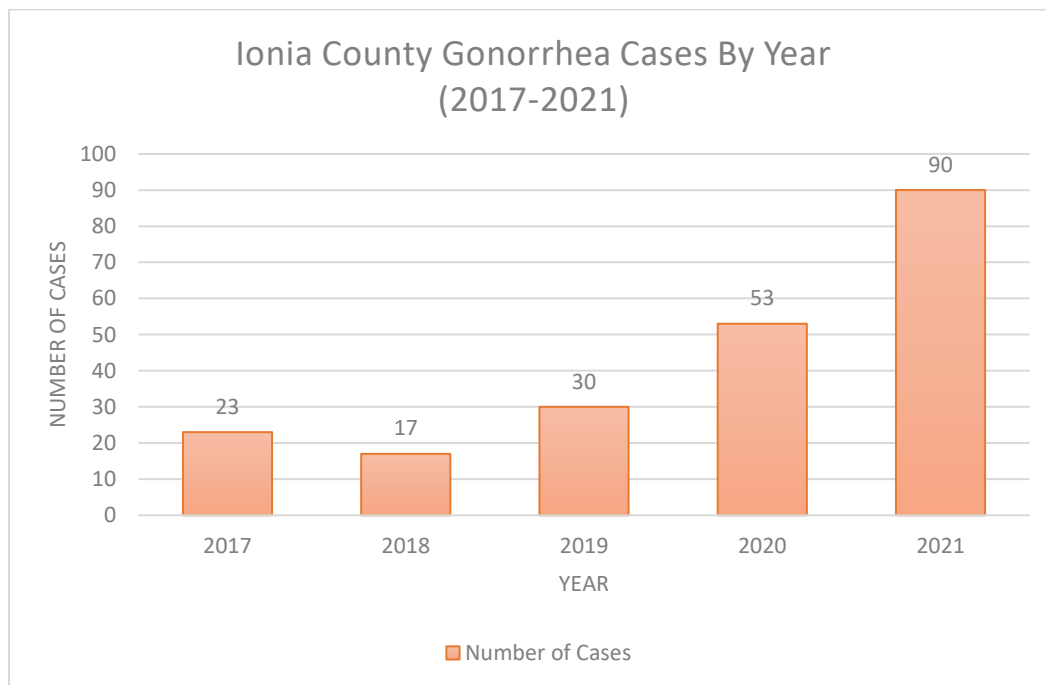
## Gonorrhea: Data, Graphs and Figures

### Demographic Data

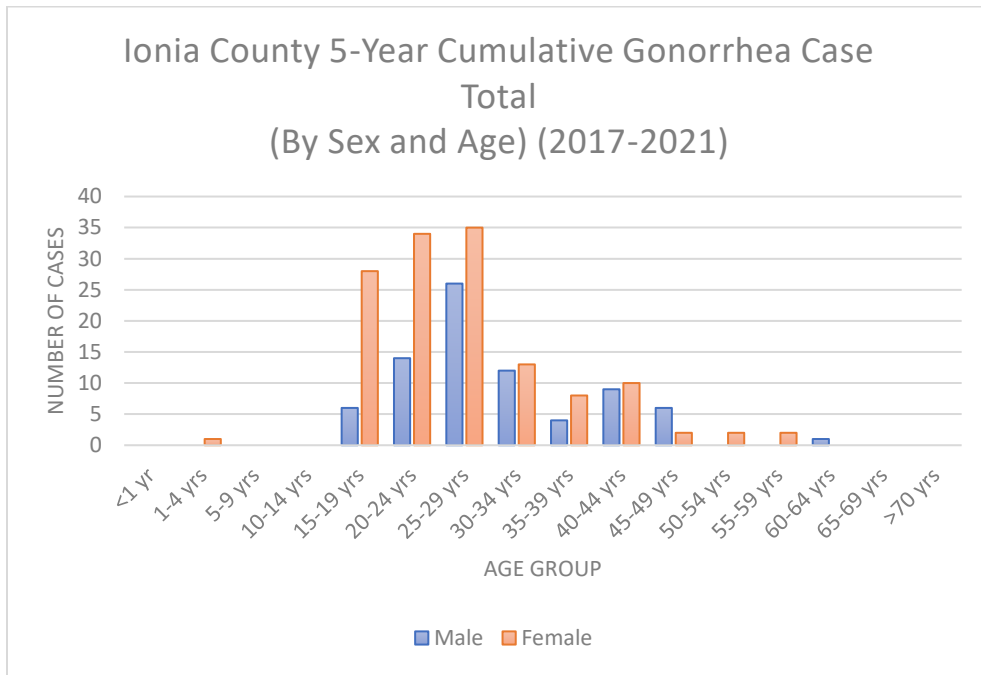
- ^Between 2017 and 2021, the number of reported cases per year of gonorrhea more than tripled. 2021 had the most reported cases (90).
- ^Gonorrhea made up **17.5%** of all STD cases between 2017 and 2021.
- ^**63%** of all gonorrhea cases were female.
- ^**67%** of all gonorrhea cases were in individuals 15-29 years old.
  - Age 15-19: **34**, 20-24: **48**, 25-29: **61**

### Treatment Data

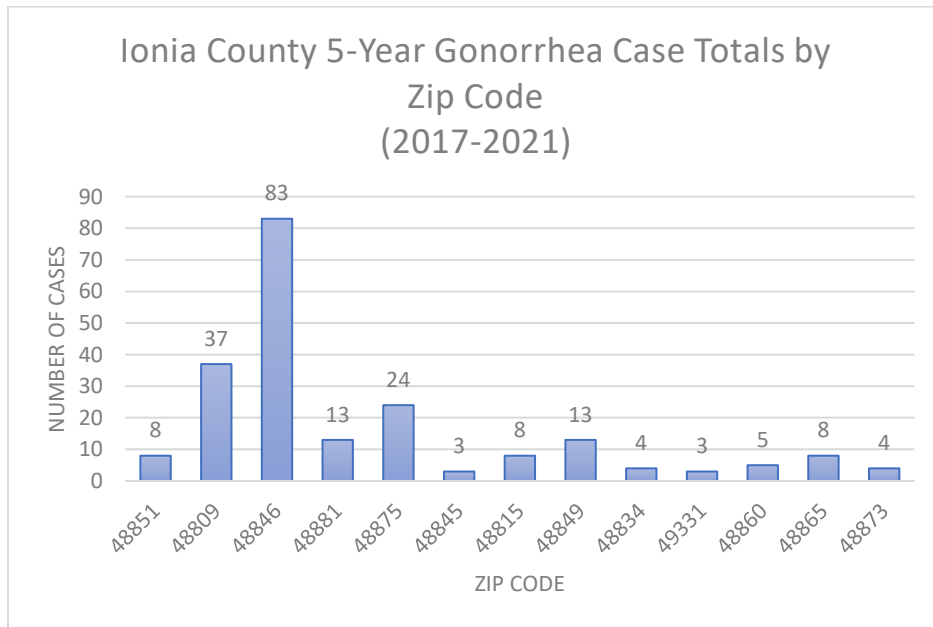
- ^^The average age of those treated for gonorrhea was **28** years (Males: **30.6**, Females: **26.6**).
- ^^**61%** of cases were treated on the same day (Males: **78%**, Females: **51%**).
- ^^The average time between a positive lab result and treatment was **1.9** days (Males: **1.2**, Females: **2.3**).



- Gonorrhea Cases by Year (2017-2021) (Data retrieved from MDSS)



■ 5-Year Cumulative Gonorrhea Case Total by Sex and Age (Data retrieved from MDSS)



■ 5-Year Cumulative Gonorrhea Case Total by ZIP Code (Data retrieved from MDSS)

## Key Data Points

- **70%** of all reported STD cases were female.
- **Male** cases were treated for STD infections nearly **twice** as quickly as female cases.
- **74%** of male cases were treated on the day of the positive result, compared to **49%** of female cases
- **81%** of all reported cases were in individuals 15-29 years old.
  - Age 15-19: **327**, 20-24: **441**, 25-29: **215**
- Chlamydia and gonorrhea made up **99.8%** of all STD cases (82.3% and 17.5%, respectively).
- **65%** of all chlamydia cases were reported from three ZIP codes: 48846 (**324**), 48809 (**167**), and 48875 (**157**).
- **68%** of all reported gonorrhea cases were reported from three ZIP codes: 48846 (**83**), 48809 (**37**), and 48875 (**24**).

## Data Reporting Notice

During the period in which cases were identified for review, there were 1,214 confirmed cases of sexually transmitted disease. Data on sites such as MDSS are updated regularly. As such, some data in the report may have become outdated at the time of reporting due to potential updates.

### ^MDSS-reported Data

^^MDSS Data used for treatment calculations. Cases used in the treatment data calculations met all of the following criteria:

- Documentation indicating that the individual was treated
- Documented Treatment date
- Documented Specimen Collection or Lab Result date
- Documented Treatment date that followed the listed Specimen Collection or Lab Result dates

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### Sources:

Michigan Disease Surveillance System (MDSS)

<https://www.cdc.gov/std/statistics/2019/default.htm>

<https://www.cdc.gov/std/chlamydia/default.htm>

<https://www.cdc.gov/std/statistics/2019/infographic.htm>

<https://www.cdc.gov/std/treatment-guidelines/chlamydia.htm>

<https://www.cdc.gov/std/statistics/prevalence-2020-at-a-glance.htm>

<https://www.cdc.gov/std/statistics/2019/tables/13.htm>

<https://www.cdc.gov/std/statistics/2019/tables/2.htm>