

**Tazewell  
County  
Sexually  
Transmitted  
Infection  
Report**

**2020**



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## Executive Summary

The purpose of this report is to examine trends of chlamydia and gonorrhea infections in Tazewell County, Illinois. This report focuses on age, sex at onset of infection, and community. Tazewell County in comparison to Illinois and the United States has low infection rates for chlamydia and gonorrhea. This report shows that there continues to be an upward trend in gonorrhea infections in Tazewell County and will help identify areas where interventions are needed.

## Key Findings

- Chlamydia infections have decreased by 1.1% in Tazewell County since 2016.
- The age groups 15-19 and 20-24 are 66% of all chlamydia infections.
- Chlamydia and gonorrhea infections are occurring at a higher rate in women compared to men.
- Gonorrhea infections have increased by 88% in Tazewell County from 2019 to 2020.
- The age groups 20-24 and 25-29 are 44% of all gonorrhea infections.
- Community specific interventions should be considered in Pekin, East Peoria, Washington, and Morton due to the high incidence in these communities for chlamydia and/or gonorrhea.
  - Interventions to be considered:
    - Get Yourself Tested (GYT) events at community high schools, which aims to change social norms around HIV/STI testing
    - Increase access throughout the county to testing and screening services
    - Getting treatment for partner(s) – Expedited Partner Therapy (EPT)

## Chlamydia Infection

In 2020, there were 354 confirmed cases of chlamydia in Tazewell County, with the overall incidence at 261 per 100,000 individuals. Overall, Tazewell County incidence of chlamydia remains below that of Illinois and the United States with there being a 1.1% decrease in cases since 2016.

**Table 1: Chlamydia – Number of Reported Cases and Incidence per 100,000, Tazewell County, Illinois, 2020**

	Cases	Incidence
<b>Total</b>	354	261
<i>Females</i>	234	340
<i>Males</i>	120	180

## Demographics

The incidence of chlamydia is highest in Pekin with 42% of cases. Other areas that are found to have a higher percentage of cases include East Peoria (16%), Washington (15%) and Morton (8%). All other areas of Tazewell County have  $\leq 5\%$  of chlamydia infection. The age group of 15-19 accounted for 29% of all cases while the age group of 20-24 accounted for 38% of all cases. Females accounted for 66% of cases, with the overall incidence for females at 340 per 100,000 females and males at 180 per 100,000 males.

**Table 2: Chlamydia – Number of Reported Cases and Percentage of Cases in Females and Males, by Age, Tazewell County, Illinois, 2020**

Age	Females		Males		Totals	
	Cases	% of Cases	Cases	% of Cases	Cases	% of Cases
$\leq 14$	1	0%	0	0%	1	0%
15-19	76	21%	26	7%	102	29%
20-24	91	26%	43	12%	134	38%
25-29	36	10%	22	6%	58	16%
30-34	13	4%	13	4%	26	7%
35-39	6	2%	9	3%	15	4%
40-44	7	2%	3	1%	10	3%
$\geq 45$	4	1%	4	1%	8	2%

Figure 1: Chlamydia Incidence per 100,000 among Total Population, 2000-2020: Tazewell County, Illinois, and United States

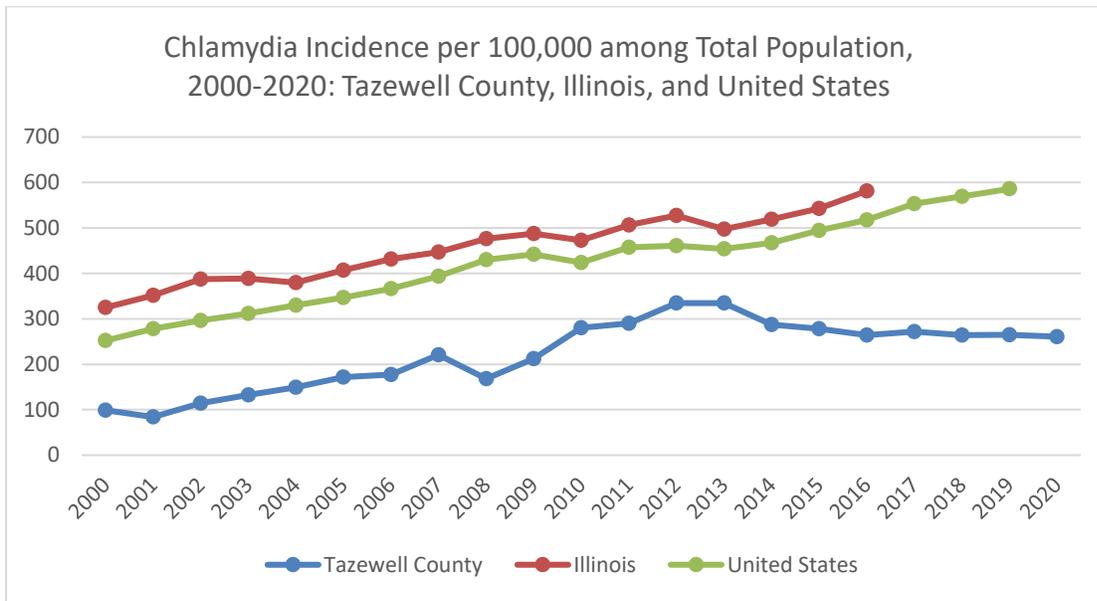


Table 3: Chlamydia – 5 Year Trend – Incidence per 100,000, Tazewell County, Illinois, 2016-2020

Year	Incidence per 100,000
2016	264.4
2017	271.8
2018	264.4
2019	265.2
2020	261.5

## Gonorrhea Infection

In 2020, there were 169 confirmed cases of gonorrhea in Tazewell County, with the overall incidence at 125 per 100,000 individuals. Overall, Tazewell County incidence of gonorrhea remains below that of Illinois and the United States with an 88% increase in cases between 2019 and 2020.

Table 4: Gonorrhea – Number of Reported Cases and Incidence per 100,000, Tazewell County, Illinois, 2020

	Cases	Incidence
<b>Total</b>	169	125
<i>Females</i>	95	138
<i>Males</i>	74	111

## Demographics

The incidence of gonorrhea is highest in Pekin with 49% of cases an increase from 33% of cases in 2019. Other areas that are found to have a higher percentage of cases include East Peoria (15%) and Washington (12%). All other areas of Tazewell County have  $\leq$  5% of gonorrhea infection. The age group of 20-24 accounted for 28% of all cases while the age groups of 15-19 and 25-29 each accounted for 15% of all cases. Females accounted for 57% of all cases, with the overall incidence for females at 138 per 100,000 females and males at 111 per 100,000 males.

Table 5: Gonorrhea – Number of Reported Cases and Percentage of Cases in Females and Males, by Age, Tazewell County, Illinois, 2020

Age	Females		Males		Totals	
	Cases	% of Cases	Cases	% of Cases	Cases	% of Cases
<i>15-19</i>	17	10%	7	4%	24	14%
<i>20-24</i>	32	19%	18	11%	50	30%
<i>25-29</i>	16	9%	11	7%	27	16%
<i>30-34</i>	16	9%	9	5%	25	15%
<i>35-39</i>	10	6%	14	8%	24	14%
<i>40-44</i>	2	1%	9	5%	11	7%
<i><math>\geq</math>45</i>	2	1%	6	4%	8	5%

Figure 2: Gonorrhea Incidence per 100,000 among Total Population, 2000-2020: Tazewell County, Illinois, and United States

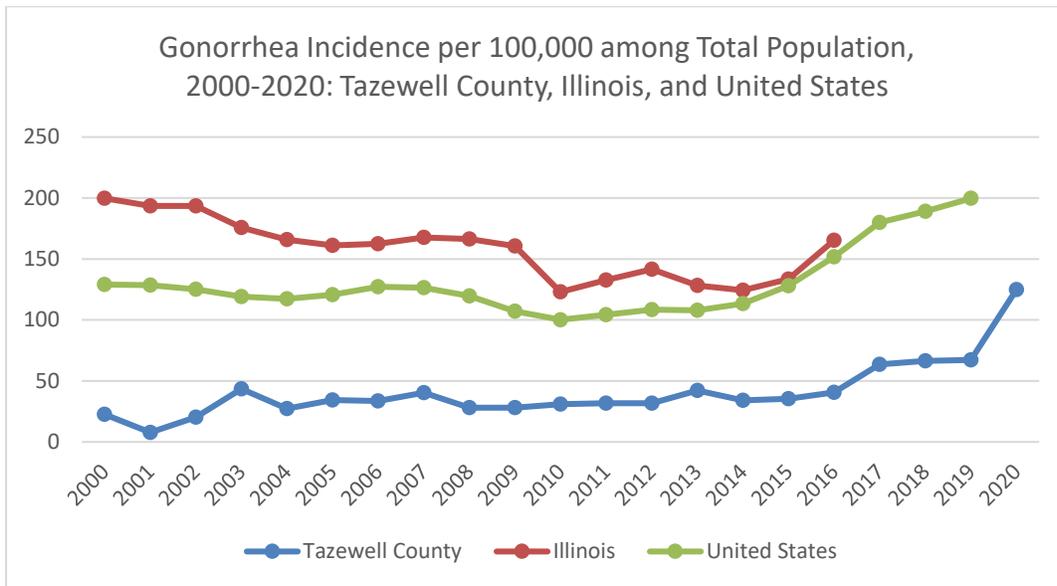


Table 6: Gonorrhea – 5-year Trend – Incidence per 100,000, Tazewell County, Illinois, 2016-2020

Year	Incidence per 100,000
2016	40.6
2017	63.5
2018	66.5
2019	67.2
2020	124.8

## Data Sources

### State and National Data

Data from the state and national level was obtained through the Illinois Department of Public Health's IQuery database and national data was obtained through the CDC WONDER database, the CDC Reports, *2019 STD Surveillance Report* and *STD Surveillance 2018*.

### Tazewell County Data

This report focuses on the cases and incidence of confirmed chlamydia and gonorrhea infections in Tazewell County, Illinois. The infections are reportable in Illinois under the Illinois Sexually Transmissible Disease Control Act. Tazewell County Health Department is responsible for investigating confirmed cases of both infections. It is also their responsibility to submit these investigations to the Illinois Department of Public Health. The data for Tazewell County is for the year 2020. These are preliminary numbers and as of the publication of this report there is no finalized data from Illinois Department of Public Health or Centers for Disease Control and Prevention. When data is released this report will be updated and published.

### Population Data

All incidence rates were calculated using the United States Census Bureau – Population, Census, April 1, 2010 counts and percentages. Information used includes: Age, Sex, Race, and Hispanic Origin.

### Data Limitations

The current data is only for positive tests. Depending on a physician's screening and testing practices a person may not be tested, creating an under-reporting in numbers. Screening and testing practices differ depending on a person's sex assigned at birth. CDC screenings recommendations and considerations can be found [here](#).

### Contact Information

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