

**Tazewell  
County  
Sexually  
Transmitted  
Infection  
Report**

**2018**



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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, race/ethnicity, 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 is 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 9% in Tazewell County since 2014.
- The age groups 15-19 and 20-24 are 69% of all chlamydia infections.
- Black individuals have the highest incidence of chlamydia cases (1022.7 per 100,000 individuals), but only account for 5% of cases. White individuals account for 76% of cases, with an incidence of 212.4 per 100,000 individuals.
- During 2018, chlamydia occurred at a higher rate in women compared to men. While gonorrhea infections occurred at a higher rate in men compared to women.
  - Typically, these infections impact women at a higher rate, so it may be beneficial to watch future trends and potentially implement targeted interventions to reduce rates of gonorrhea.
- Gonorrhea infections have increased by 84.8% in Tazewell County since 2014.
- The age groups 20-24 and 25-29 are 51% of all gonorrhea infections.
  - Interventions may need to be considered for this population if this trend continues.
- Black individuals have the highest incidence of gonorrhea cases (568.2 per 100,000 individuals), but only account for 12% of cases. White individuals account for 76% of cases, with an incidence of 51.1 per 100,000 individuals.

## Chlamydia Infection

In 2018, there were 354 confirmed cases of chlamydia in Tazewell County, with the overall incidence at 261.5 per 100,000 individuals. Overall, Tazewell County incidence of chlamydia remains below that of Illinois and the United States with there being a 9% decrease in cases since 2014.

**Table 1: Chlamydia – Number of Reported Cases and Incidence per 100,000, Tazewell County, Illinois, 2018**

	Cases	Incidence per 100,000
<b>Total</b>	354	261.5
<i>Females</i>	254	369.3
<i>Males</i>	100	150.1

## Demographics

The incidence of chlamydia is highest in Pekin with 37% of cases. Other areas that are found to have a higher percentage of cases include East Peoria (18%), Washington (14%), Creve Coeur (8%) and Morton (8%). All other areas of Tazewell County have  $\leq$  7% of chlamydia infection. The age group of 15-19 accounted for 28% of all cases while the age group of 20-24 accounted for 42% of all cases. Females accounted for 72% of cases, with the overall incidence for females at 369.3 per 100,000 females and males at 150.1 per 100,000 males. When looking at race/ethnicity and cases of gonorrhea Black individuals have the highest incidence rate per 100,000 at 1022.7 per 100,00. The lowest incidence occurred in those who are Hispanic or Latino at 192.7 per 100,000.

**Table 2: Chlamydia – Number of Reported Cases and Percentage of Cases in Females and Males, by Age, Tazewell County, Illinois, 2018**

Age	Females		Males		Totals	
	Cases	% of Cases	Cases	% of Cases	Cases	% of Cases
$\leq 14$	4	2%	0	0%	4	1%
15-19	82	32%	17	17%	99	28%
20-24	103	41%	43	43%	146	41%
25-29	38	15%	16	16%	54	15%
30-34	18	7%	8	8%	26	7%
35-39	6	2%	6	6%	12	3%
40-44	1	0%	7	7%	8	2%
$\geq 45$	2	1%	3	3%	5	1%

Table 3: Chlamydia Incidence per 100,000 by Race/Ethnicity in Tazewell County, 2018

	Incidence per 100,000
<i>Asian</i>	0.0
<i>Black</i>	1022.7
<i>Hispanic/Latinx</i>	192.7
<i>White</i>	212.4

Figure 1: Chlamydia Incidence per 100,000 among Total Population, 2000-2018: Tazewell County, Illinois, and United States

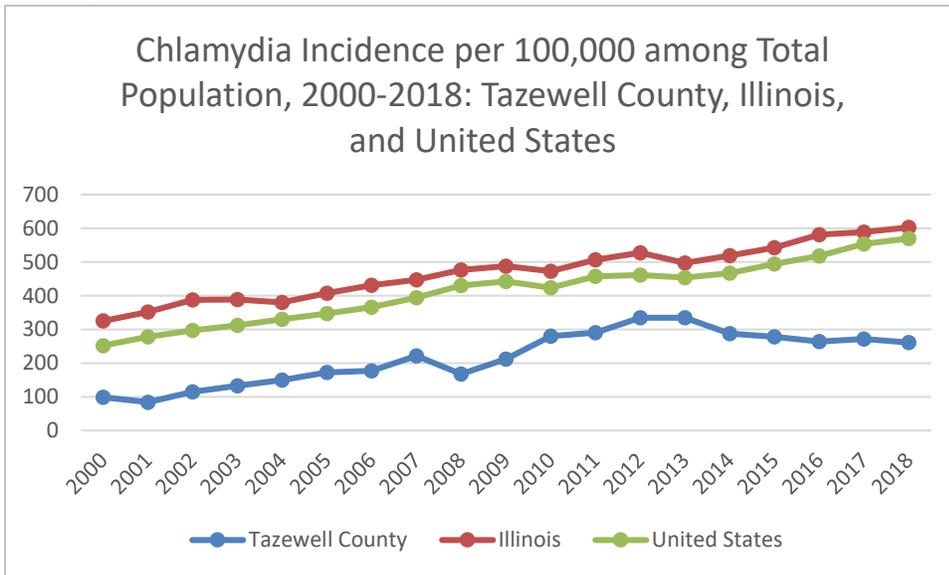


Table 4: Chlamydia – 5 Year Trend – Incidence per 100,000, Tazewell County, Illinois, 2014-2018

Year	Incidence per 100,000
2014	287.3
2015	278.4
2016	264.4
2017	271.8
2018	261.5

## Gonorrhea Infection

In 2018, there were 85 confirmed cases of gonorrhea in Tazewell County, with the overall incidence at 62.8 per 100,000 individuals. Overall, Tazewell County incidence of gonorrhea remains below that of Illinois and the United States with there being an 84.8% increase in cases since 2014.

Table 5: Gonorrhea – Number of Reported Cases and Incidence per 100,000, Tazewell County, Illinois, 2018

	Cases	Incidence per 100,000
<b>Total</b>	85	62.8
<i>Females</i>	38	55.2
<i>Males</i>	47	70.6

## Demographics

The incidence of gonorrhea is highest in Pekin with 38% of cases. Other areas that are found to have a higher percentage of cases include East Peoria (28%), Marquette Heights (7%), Morton (6%) and Creve Coeur (6%). All other areas of Tazewell County have ≤ 5% of gonorrhea infection. The age group of 20-24 accounted for 27% of all cases while the age group of 25-29 accounted for 24% of all cases. Males accounted for 55% of all cases, with the overall incidence for females at 55.2 per 100,000 individuals and males at 70.6 per 100,000 individuals. When looking at race/ethnicity and cases of gonorrhea Black individuals have the highest incidence rate per 100,000 at 568.2 per 100,00. The lowest incidence occurred in those who are Hispanic or Latino at 32.1 per 100,000.

Table 6: Gonorrhea – Number of Reported Cases and Percentage of Cases in Females and Males, by Age, Tazewell County, Illinois, 2018

Age	Females		Males		Totals	
	Cases	% of Cases	Cases	% of Cases	Cases	% of Cases
15-19	10	12%	4	5%	14	16%
20-24	11	13%	12	14%	23	27%
25-29	10	12%	10	12%	20	24%
30-34	2	2%	8	9%	10	12%
35-39	3	4%	5	6%	8	9%
40-44	1	1%	2	2%	3	4%
≥45	1	1%	6	7%	7	8%

Table 7: Gonorrhea Incidence per 100,000 by Race/Ethnicity in Tazewell County, 2018

	Incidence per 100,000
Asian	0.0
Black	568.2
Hispanic/Latinx	32.1
White	51.1

Figure 2: Gonorrhea Incidence per 100,000 among Total Population, 2000-2018: Tazewell County, Illinois, and United States

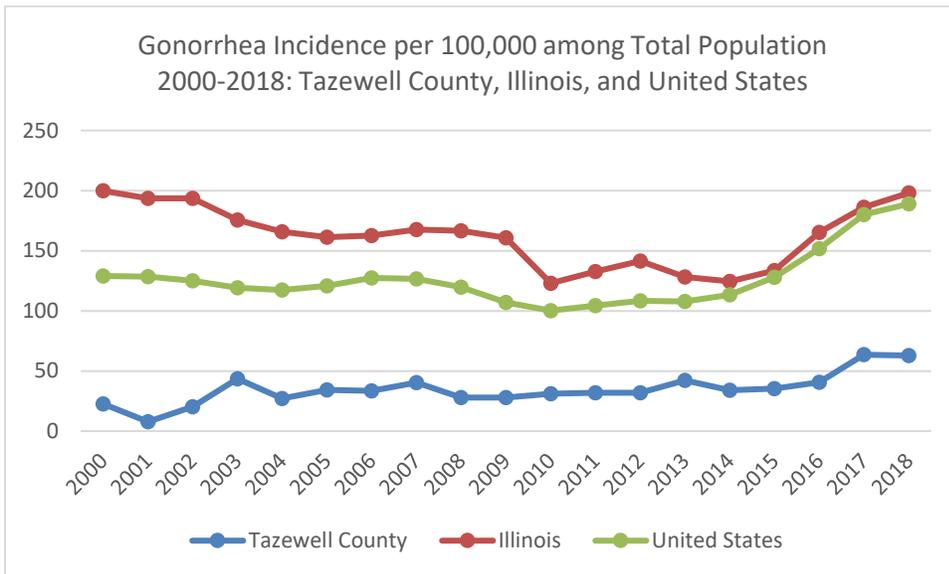


Table 8: Gonorrhea – 5-year Trend – Incidence per 100,000, Tazewell County, Illinois, 2014-2018

Year	Incidence per 100,000
2014	34.0
2015	35.5
2016	40.6
2017	63.5
2018	62.8

## 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 and the CDC Report, *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 2018. These are finalized numbers from the Illinois Department of Public Health.

### 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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