



Sexually Transmitted Infections in Wisconsin, 2024

Northeastern Region

Wisconsin Department of Health Services | Division of Public Health | STI Unit

P-00415A (12/2025)



Wisconsin Sexually Transmitted Infections (STIs) Surveillance Report Northeastern Region – 2024

Introduction

The Wisconsin STI Regional Surveillance reports highlight STI data broken down by public health region. Additional statewide data and Milwaukee County specific data can be found on the Wisconsin Department of Health Services (DHS) STI Unit [Surveillance Data web page](#).

This report recognizes that there are many systemic barriers and social factors driving the inequities seen in the data throughout the report. STIs can affect anyone; however, some communities have much higher rates of infection than others. These disparities are not due to behavioral practices alone. There are many different social conditions, policies, and systemic practices that put some people at higher risk for STIs, such as:

- Racism
- Discrimination
- Oppression
- Poverty
- Lack of access to sexual health education
- Lack of access to health care
- Stigma

Systemic conditions like these can lead to higher prevalence of STIs in the community. In communities with higher STI rates, it is easier for a person to get an STI because it is more likely that their sexual partner(s) have already been exposed.

Overview

In 2024, a total of 4,185 cases of sexually transmitted infections (STIs) were reported in the Northeastern Region. Of these, **chlamydia** accounted for 83% (3,479), **gonorrhea** for 14% (587) and **syphilis** for 3% (119) of cases. In 2024, there was a 5% decrease in the total number of reported cases compared to 2023 (4,417 cases).

Among reported STIs, the number of **gonorrhea cases increased by 6.1%** in 2024. **Syphilis cases decreased by 38.7%** and **chlamydia cases decreased by 5.2%** compared to 2023.

This indicates a mixed trend in STI incidence, with gonorrhea showing a slight increase while syphilis and chlamydia experienced declines.

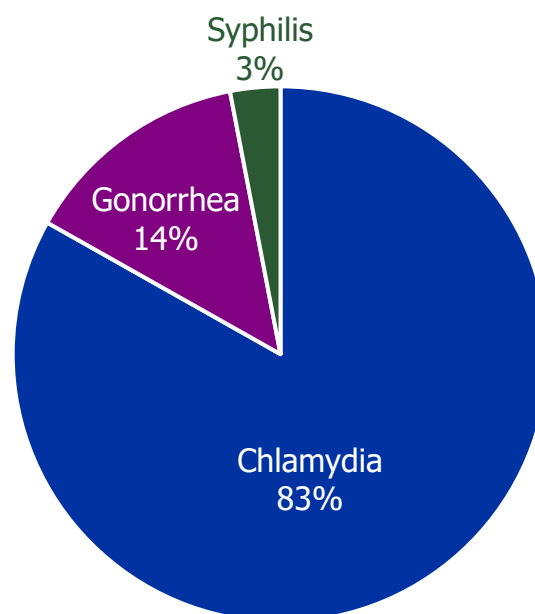


Figure 1.
Syphilis cases in the Northeastern Region decreased for the first time in past five years.

Five-year trend of reported STI Cases, Northeastern Region, 2020–2024.

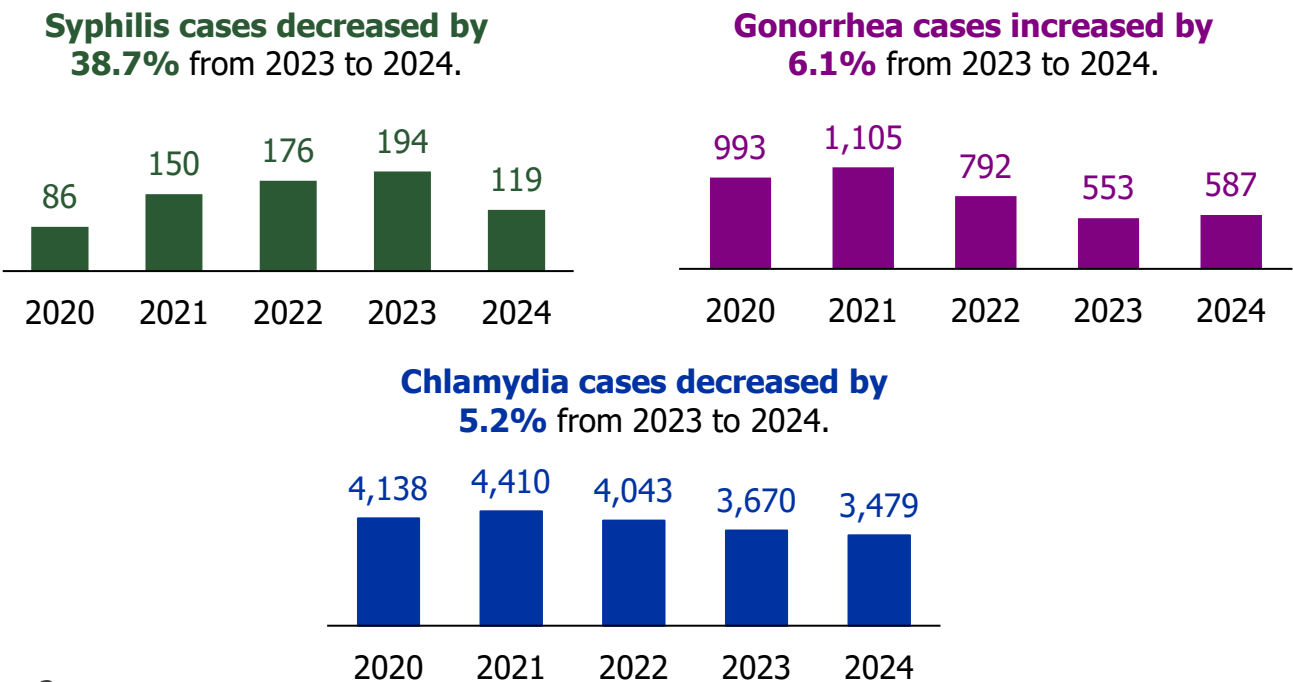
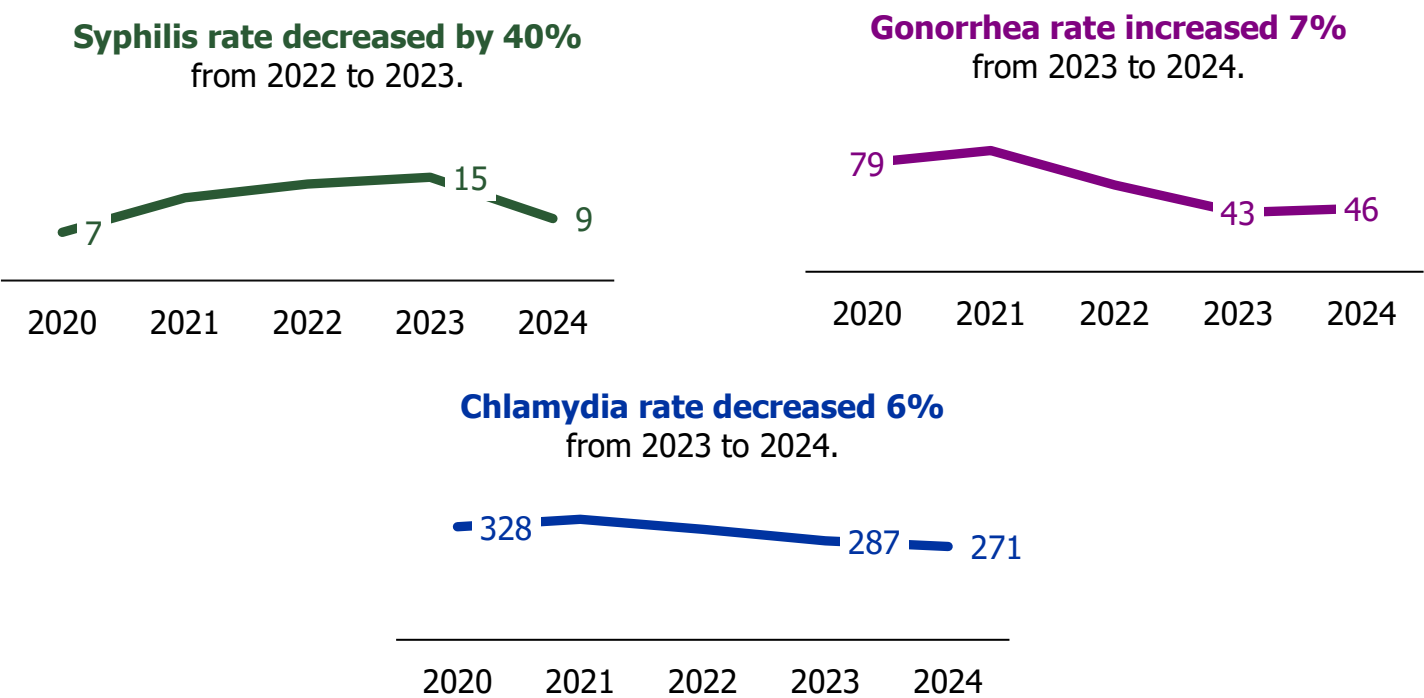


Figure 2.
Among reported STIs, the **gonorrhea rate increased by 7%**, while **syphilis decreased by 33%** and **chlamydia cases also decreased by 5%** in 2024.

Five-year trend of reported STI cases per 100,000 people, Northeastern Region, 2020–2024.



Key takeaways from 2024 data:



Sexually transmitted infections are widespread, impacting people of all races, ethnicities, genders, and ages in the Northeastern Region. However, the rate of STIs is higher among Black people compared to other racial and ethnic groups.



The disparity in STI rates between Black and white populations in the Northeastern region is considerable, with Black people experiencing a significantly higher rate. The most significant disparity appears to be in gonorrhea rates, with Black individuals experiencing a rate that is 28 times higher than that of white individuals.



Among the three STIs, the rate of gonorrhea is increasing, while the rate of syphilis and chlamydia are decreasing in the Northeastern Region

Wisconsin Sexually Transmitted Infections (STIs) Surveillance Report

Reported Cases and Rates per 100,000 people by Gender, Race, Ethnicity, and Age

Northeastern Region – 2024

	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Total	3,479	100%	271	587	100%	46	119	100%	9	4,231	100%	330^
Gender												
Male	1,093	31%	169	323	55%	50	69	58%	11	1,486	35%	230^
Female	2,381	68%	375	260	44%	41	50	42%	8	2,736	65%	431^
Transgender Female	2	0%	-	2	0%	-	0	0%	-	4	0%	-
Transgender Male	2	0%	-	1	0%	-	0	0%	-	3	0%	-
Unknown	1	0%	-	1	0%	-	0	0%	-	2	0%	-
Race/Ethnicity												
White	1,847	53%	169	274	47%	25	48	40%	4	2,253	53%	*
Black	575	17%	2,286	179	30%	712	23	19%	91	775	18%	3,081
Native American	173	5%	839	38	6%	184	12	10%	58	231	5%	1,121
Asian	80	2%	207	7	1%	18^	2	2%	*	93	2%	241
To or More Races	12	0%	53	2	0%	*	1	1%	*	14	0%	62
Hispanic	602	17%	721	62	11%	74	31	26%	37	699	17%	837
Other/Unknown	190	5%		25	4%	-	2	2%	-	166	4%	-
Age												
0-4	1	0%	*	0	0%	0	1	1%	*	2	0%	*
5-9	1	0%	*	0	0%	0	0	0%	0	1	0%	*
10-14	12	0%	15	0	0%	0	0	0%	0	12	0%	15^
15-19	788	23%	963	62	11%	76	3	3%	4	854	20%	1,044
20-24	1333	38%	1,710	124	21%	159	14	12%	18	1,484	35%	1,904
25-29	595	17%	794	89	15%	119	24	20%	32	712	17%	950
30-34	368	11%	473	106	18%	136	22	18%	28	508	12%	653
35-39	182	5%	230	91	16%	115	19	16%	24	303	7%	383
40-44	104	3%	127	44	7%	54	11	9%	13	160	4%	196
45-49	46	1%	62	27	5%	36	8	7%	11	83	2%	112
50+	49	1%	9	44	7%	9	17	14%	3	112	3%	22

Note: Rates based on five case counts or less are not shown; ^Rate is unreliable due to a count <12.

Wisconsin Sexually Transmitted Infections (STIs) Surveillance Report

Reported Cases and Rates per 100,000 people by County.

Northeastern Region - 2024

Region/County	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Northeastern												
Brown	1075	31%	396	233	5%	4	30	25%	11	1,338	32%	493
Calumet	106	3%	199	12	3%	13	0	0%	0	118	3%	222
Door	38	1%	124	7	28%	213^	1	1%	*	46	1%	151
Fond du lac	288	8%	277	65	1%	2	16	13%	15	369	9%	355
Green Lake	31	1%	160	2	1%	*	0	0%	0	33	1%	171
Kewaunee	26	1%	126	2	7%	*	0	0%	0	28	1%	135
Manitowoc	161	5%	198	17	2%	5	4	3%	*	182	4%	224
Marinette	59	2%	140	4	0%	*	4	3%	*	67	2%	159
Marquette	15	0%	95	1	3%	*	0	0%	0	16	0%	101
Menominee	29	1%	686	7	1%	71^	0	0%	0	36	1%	852
Oconto	63	2%	158	3	30%	*	1	1%	*	67	2%	168
Outagamie	512	15%	265	70	3%	4	18	15%	9	600	14%	311
Shawano	85	2%	207	7	21%	117^	4	3%	*	96	2%	234
Sheboygan	296	9%	251	48	2%	4	8	7%	7^	352	8%	299
Waupaca	79	2%	154	5	2%	*	1	1%	*	85	2%	165
Waushara	17	0%	68	5	42%	*	3	3%	*	25	1%	100
Winnebago	599	17%	349	99	252%	342	29	24%	17	727	17%	423
Region total	3,479	100%	271	587	252%	46	119	100%	9	4,185	100%	326

Note: Rates based on five case counts or less are not shown; ^Rate is unreliable due to a count <12.

Wisconsin Syphilis Surveillance Report - Reported Cases and Rates per 100,000 people by Stage of Infection, Gender, Race, Ethnicity, and Age Northeastern Region - 2024

	Primary			Secondary			Early Latent			Early Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Total	7	100%	1^	14	100%	1	9	100%	1^	30	100%	2
Gender												
Male	7	100%	1^	8	44%	1^	8	89%	1^	23	69%	3
Female	0	0%	0	6	56%	1^	1	11%	*	7	31%	2^
Transgender Female	0	0%	-	0	0%	-	0	0%	-	0	0%	-
Transgender Male	0	0%	-	0	0%	-	0	0%	-	0	0%	-
Race/Ethnicity												
White	3	43%	*	9	64%	1^	6	67%	1^	18	63%	2
Black	2	29%	*	3	21%	*	1	11%	*	6	19%	24^
Native American	0	0%	0	1	7%	*	0	0%	0	1	3%	*
Asian	0	0%	0	0	0%	0	0	0%	0	0	0%	*
Two or More Races	1	14%	*	0	0%	0	0	0%	0	1	3%	*
Hispanic	1	14%	*	1	7%	*	2	22%	*	4	13%	*
Unknown	0	0%	-	0	0%	-	0	0%	-	0	0%	-
Age												
0-4	0	0%	0	0	0%	0	0	0%	0	0	0%	0
5-9	0	0%	0	0	0%	0	0	0%	0	0	0%	0
10-14	0	0%	0	0	0%	0	0	0%	0	0	0%	0
15-19	0	0%	0	1	7%	*	0	0%	0	1	3%	*
20-24	1	14%	*	1	7%	*	1	11%	*	3	10%	*
25-29	2	29%	*	4	29%	*	1	11%	*	7	23%	9^
30-34	1	14%	*	2	14%	*	2	22%	*	5	17%	*
35-39	1	14%	*	0	0%	0	1	11%	*	2	7%	*
40-44	0	0%	0	2	14%	*	1	11%	*	3	10%	*
45-49	1	14%	*	2	14%	*	0	0%	0	3	10%	*
50+	1	14%	*	2	14%	*	3	33%	*	6	20%	1^

Note: Rates based on five case counts or less are not shown; ^Rate is unreliable due to a count <12.

Wisconsin Syphilis Surveillance Report - Reported Cases and Rates per 100,000 people by Stage of Infection, Gender, Race, Ethnicity, and Age Northeastern Region - 2024

	Early Total			Late Latent			Congenital			All Stage Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Total	30	100%	2	88	100%	7	1	100%	0	119	100%	9
Gender												
Male	23	69%	3	48	55%	7	0	0%	0	71	60%	11
Female	7	31%	2^	40	45%	6	1	100%	0	48	40%	8
Transgender Female	0	0%	-	0	0%	N/A	0	0%	-	0	0%	
Transgender Male	0	0%	-	0	0%	N/A	0	0%	-	0	0%	
Race/Ethnicity												
White	18	63%	2	30	34%	3	0	0%	0	48	40%	4
Black	6	19%	24^	16	18%	64	1	100%	4	23	19%	91
Native American	1	3%	*	11	13%	53^	0	0%	0	12	10%	58
Asian	0	0%	*	2	2%	*	0	0%	0	2	2%	*
Two or More Races	1	3%	*	0	0%	0	0	0%	0	1	1%	*
Hispanic	4	13%	*	27	31%	32	0	0%	0	31	26%	37
Unknown	0	0%	-	2	2%	-	0	0%	-	2	2%	-
Age												
0-4	0	0%	0	0	0%	0	1	100%	2	1	1%	*
5-9	0	0%	0	0	0%	0	0	0%	0	0	0%	0
10-14	0	0%	0	0	0%	0	0	0%	0	0	0%	0
15-19	1	3%	*	2	2%	*	0	0%	0	3	3%	*
20-24	3	10%	*	11	13%	14^	0	0%	0	14	12%	18
25-29	7	23%	9^	17	19%	23	0	0%	0	24	20%	32
30-34	5	17%	*	17	19%	22	0	0%	0	22	18%	28
35-39	2	7%	*	17	19%	21	0	0%	0	19	16%	24
40-44	3	10%	*	8	9%	10^	0	0%	0	11	9%	13^
45-49	3	10%	*	5	6%	*	0	0%	0	8	7%	11^
50+	6	20%	1^	11	13%	2^	0	0%	0	17	14%	3

Note: Rates based on five case counts or less are not shown; ^Rate is unreliable due to a count <12.

Technical Notes

1. This report is compiled by the Wisconsin STI Unit and are based on STI case surveillance data collected by the Wisconsin Division of Public Health (DPH). In Wisconsin, state statutes require both laboratories and health care providers to report cases of chlamydia, gonorrhea, syphilis, chancroid, and pelvic inflammatory disease to local health departments. STI case surveillance data is automatically sent to the Wisconsin STI Unit via WEDSS (Wisconsin Electronic Disease Surveillance System).
2. This report includes cases diagnosed within the specified period. Additional cases diagnosed within the specified period may continue to be reported. Thus, this report should be considered provisional, and it supersedes all previous reports.
3. Reporting of STI cases can be incomplete. Reporting rates can be varied by disease, geographic region, and demographic groups. At any time, reported STI cases represent only part of the total number of diagnosed cases, therefore STI surveillance data likely underestimates total STI morbidity.
4. Rate is calculated based on the population data available on WISH (Wisconsin Interactive Statistics on Health) system website. For this reason, rates are only available for cisgender males and cisgender females throughout the report. In these reports, rates presented are cases per 100,000 population (2023). Rates are not calculated for categories with small numbers of cases. See [each report](#) for the rate calculation threshold.
5. In this report, cases are allocated to the derived county at the time of diagnosis. Cases from federal, state, or certain private institutions are included, and geographic region for these cases are assigned as institution.
6. Cases residing outside Wisconsin and unknown state cases are not included in this report.
7. All races are non-Hispanic ethnicity. Under the category of race, Asian includes Asian Pacific Islander. American Indian and Alaska Native is named as Native American. Unknown is either race or ethnicity is unknown.
8. Rates based on five case counts or less are not shown, and rates based on case counts less than 12 are marked as statistically unreliable.

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