



Sexually Transmitted Infections in Wisconsin, 2024

Northern Region

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

P-00415A (12/2025)



Wisconsin Sexually Transmitted Infections (STIs) Surveillance Report

Northern 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 1,077 cases of sexually transmitted infections (STIs) were reported in the Northern Region. Of these, **chlamydia** accounted for 89% (959), **gonorrhea** for 9% (94) and **syphilis** for 2% (24) of cases. The reported number of STI cases in 2024 was 8% less than the number of cases reported in 2023 (from 1,177 cases in 2023 to 1,077 cases in 2024).

Among the three STIs reported, **syphilis cases decreased the most** with 58% less than the number of cases reported in 2023. **Gonorrhea cases decreased by 23%** and **chlamydia cases decreased by 4%** compared to 2023.

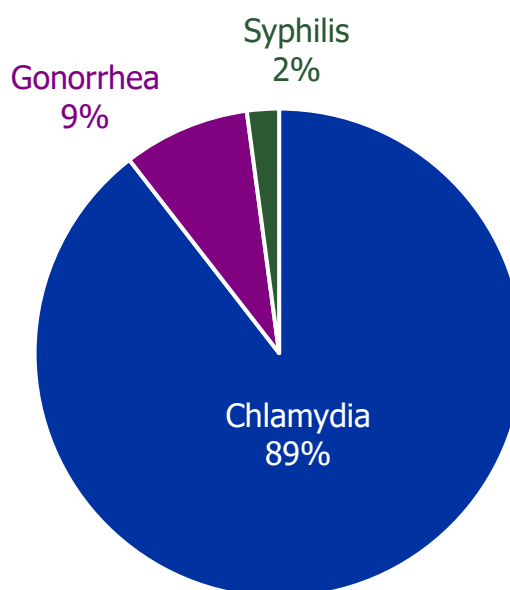


Figure 1.

In the Northern Region in 2024, the number of syphilis cases decreased for the first time in past five years.

Number of reported STI cases, Northern Region, 2020–2024.

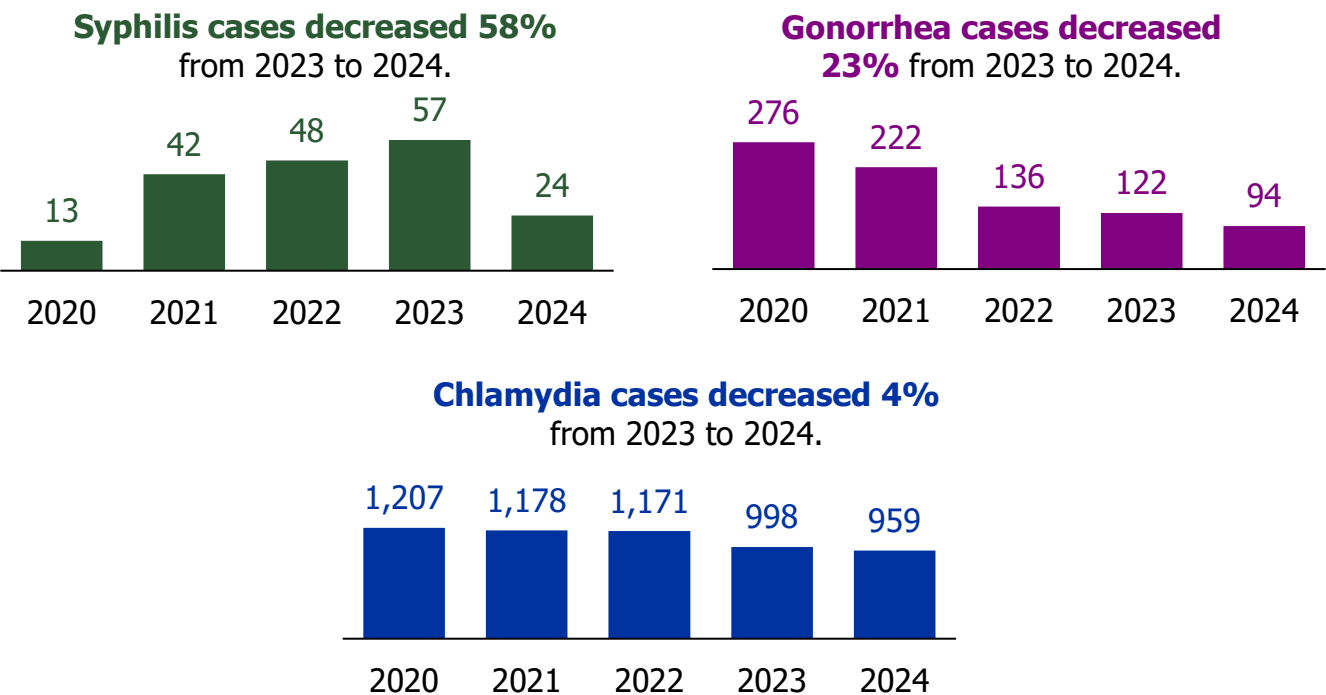
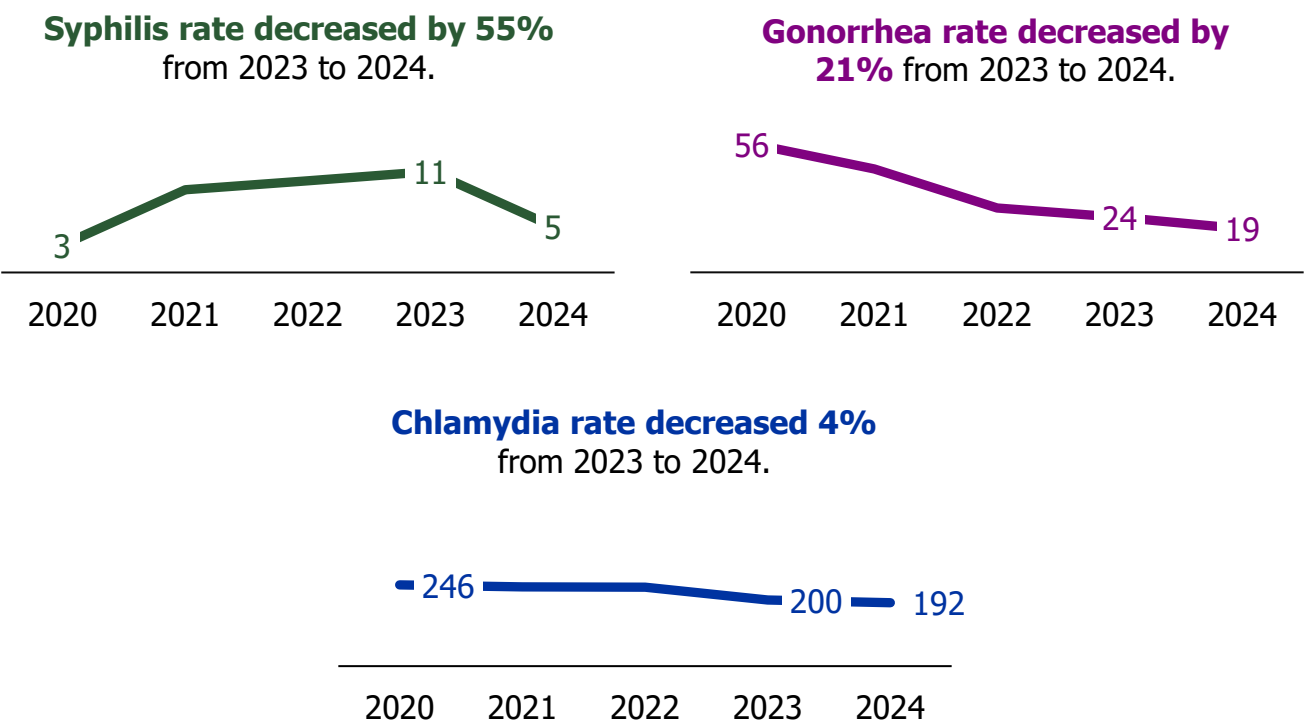


Figure 2.

The syphilis rate decreased for the first time in past five years in the Northern region.

Trends in reported STI cases per 100,000 people, Northern Region, 2020–2024.



Key takeaways from 2024 data:



Sexually transmitted infections are widespread, impacting people of all races, ethnicities, genders, and ages. In 2024, the numbers indicate that Black people are disproportionately affected by STIs in the northern region. This disparity is not solely attributed to sexual behavior differences but may also reflect inequities in access to quality sexual health care and other factors.



The Northern Region had a decrease in the incidence of STIs (chlamydia, gonorrhea, and syphilis) from 2023 to 2024.



Of the total STI cases reported, 73% are in people ages 15–29 years. The population at highest risk includes people between the ages of 20–24 years.

Wisconsin Sexually Transmitted Infections (STIs) Surveillance Report

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

Northern Region - 2024

	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Total	959	100%	192	94	100%	19	24	100%	5	1,077	100%	216
Gender												
Male	274	29%	108	53	56%	21	12	50%	5	339	31%	134
Female	679	71%	276	41	44%	17	11	46%	4^	731	68%	297
Transgender Female	1	0%	-	0	0%	-	1	4%	-	2	0%	-
Transgender Male	2	0%	-	0	0%	-	0	0%	-	2	0%	-
Unknown	3	0%	-	0	0%	-	0	0%	-	3	0%	-
Race/Ethnicity												
White	663	69%	149	57	61%	13	14	58%	3	734	68%	165
Black	77	8%	1,866	22	23%	533	6	25%	145^	105	10%	2,545
Native American	55	6%	459	6	6%	50^	4	17%	*	65	6%	542
Asian	19	2%	134	3	3%	*	0	0%	0	22	2%	155
Two or More Races	7	1%	85^	1	1%	*	0	0%	0	8	1%	97^
Hispanic	103	11%	644	3	3%	*	0	0%	0	106	10%	663
Other/Unknown	35	4%	-	2	2%	-	0	0%	-	37	3%	-
Age												
0-4	0	0%	0	0	0%	0	1	4%	*	1	0%	*
5-9	0	0%	0	0	0%	0	0	0%	0	0	0%	0
10-14	9	1%	31^	0	0%	0	0	0%	0	9	1%	31^
15-19	272	28%	900	11	12%	36^	1	4%	*	284	26%	940
20-24	333	35%	1,176	16	17%	56	6	25%	21^	355	33%	1,254
25-29	146	15%	562	19	20%	73	2	8%	*	167	16%	643
30-34	87	9%	320	14	15%	51	3	13%	*	104	10%	383
35-39	55	6%	201	11	12%	40^	2	8%	*	68	6%	248
40-44	29	3%	99	13	14%	45	3	13%	*	45	4%	154
45-49	11	1%	41^	5	5%	*	3	13%	*	19	2%	71
50+	17	2%	8	5	5%	*	3	13%	*	25	2%	11

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

Wisconsin Sexually Transmitted Infections (STI) Surveillance Report

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

Northern Region - 2024

Northern	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Ashland	28	2.9%	174	0	0.0%	0	1	4.2%	*	29	2.7%	180
Bayfield	12	1.3%	72	0	0.0%	0	0	0.0%	0	12	1.1%	72
Florence	3	0.3%	*	0	0.0%	0	0	0.0%	0	3	0.3%	*
Forest	12	1.3%	129	0	0.0%	0	1	4.2%	*	13	1.2%	139
Iron	4	0.4%	*	3	3.2%	*	0	0.0%	0	7	0.6%	112^
Langlade	32	3.3%	165	1	1.1%	*	1	4.2%	*	34	3.2%	175
Lincoln	50	5.2%	176	11	11.7%	39^	0	0.0%	0	61	5.7%	215
Marathon	308	32.1%	222	41	43.6%	30	9	37.5%	6^	358	33.2%	258
Oneida	52	5.4%	136	4	4.3%	*	0	0.0%	0	56	5.2%	146
Portage	167	17.4%	235	15	16.0%	21	2	8.3%	*	184	17.1%	259
Price	9	0.9%	64^	1	1.1%	*	0	0.0%	0	10	0.9%	71^
Sawyer	39	4.1%	210	3	3.2%	*	3	12.5%	*	45	4.2%	243
Taylor	35	3.6%	174	1	1.1%	*	0	0.0%	0	36	3.3%	179
Vilas	25	2.6%	105	3	3.2%	*	0	0.0%	0	28	2.6%	117
Wood	183	19.1%	248	11	11.7%	15^	7	29.2%	9^	201	18.7%	272
Region total	959	100%	192	94	100%	19	24	100%	5	1,077	100%	216

*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

Northern Region - 2024

	Primary			Secondary			Early Latent			Early Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rate	Cases	Percent	Rates
Total	3	100%	*	3	100%	*	2	100%	*	8	100%	2^
Gender												
Male	2	67%	*	1	33%	*	1	50%	*	4	50%	*
Female	1	33%	*	1	33%	*	1	50%	*	3	38%	*
Transgender Female	0	0%	-	1	33%	-	0	0%	-	1	13%	-
Transgender Male	0	0%	-	0	0%	-	0	0%	-	0	0%	-
Unknown	0	0%	-	0	0%	-	0	0%	-	0	0%	-
Race/Ethnicity												
White	2	67%	*	1	33%	*	2	100%	*	5	63%	*
Black	1	33%	*	2	67%	*	0	0%	0	3	38%	*
Native American	0	0%	0	0	0%	0	0	0%	0	0	0%	0
Asian	0	0%	0		0%	0	0	0%	0	0	0%	0
Two or More Races	0	0%	0	0	0%	0	0	0%	0	0	0%	0
Hispanic	0	0%	0	0	0%	0	0	0%	0	0	0%	0
Other/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	0	0%	0	0	0%	0	0	0%	0
20-24	1	33%	*	1	33%	*	0	0%	0	2	25%	*
25-29	0	0%	0	0	0%	0	0	0%	0	0	0%	0
30-34	1	33%	*	0	0%	0	0	0%	0	1	13%	*
35-39	0	0%	0	1	33%	*	0	0%	0	1	13%	*
40-44	1	33%	*	1	33%	*	0	0%	0	2	25%	*
45-49	0	0%	0	0	0%	0	1	50%	*	1	13%	*
50+	0	0%	0	0	0%	0	1	50%	*	1	13%	*

*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

Northern Region - 2024

	Early Total			Late Latent			Congenital			All Stage Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Total	8	100%	2	15	100%	3	1	100%	0.2	24	100%	5
Gender												
Male	4	50%	*	7	43%	2^	1	100%	*	12	50%	5
Female	3	38%	*	8	57%	3^	0	0%	0.0	11	46%	4^
Transgender Female	1	13%	-	0	0%	-	0	0%	-	1	4%	-
Transgender Male	0	0%	-	0	0%	-	0	0%	-	0	0%	-
Unknown	0	0%	-	0	0%	-	0	0%	-	0	0%	-
Race/Ethnicity												
White	5	63%	1^	9	57%	2^	0	0%	0.0	14	58%	3
Black	3	38%	*	3	21%	*	0	0%	0.0	6	25%	145^
Native American	0	0%	0	3	21%	*	1	100%	*	4	17%	33
Asian	0	0%	0	0	0%	0	0	0%	0.0	0	0%	0
Two or More Races	0	0%	0	0	0%	0	0	0%	0.0	0	0%	0
Hispanic	0	0%	0	0	0%	0	0	0%	0.0	0	0%	0
Other/Unknown	0	0%	-		0%	-	0	0%	-	0	0%	-
Age												
0-4	0	0%	0	0	0%	0	1	100%	*	1	4%	*
5-9	0	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%	0
15-19	0	0%	0	1	7%	*	0	0%	0.0	1	4%	*
20-24	2	25%	*	4	29%	*	0	0%	0.0	6	25%	21^
25-29	0	0%	0	2	14%	*	0	0%	0.0	2	8%	*
30-34	1	13%	*	2	7%	*	0	0%	0.0	3	13%	*
35-39	1	13%	*	1	7%	*	0	0%	0.0	2	8%	*
40-44	2	25%	*	1	7%	*	0	0%	0.0	3	13%	*
45-49	1	13%	*	2	14%	*	0	0%	0.0	3	13%	*
50+	1	13%	*	2	14%	*	0	0%	0.0	3	13%	*

*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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