



Sexually Transmitted Infections in Wisconsin, 2022 Northeastern Region

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

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Wisconsin Sexually Transmitted Infections (STI) Surveillance Report

Northeastern Region – 2022

Overall, reported cases of sexually transmitted infections (chlamydia, gonorrhea, and syphilis) in the northeastern region **decreased by 12%** in 2022 compared to 2021 (5,665 cases in 2021 to 5,011 cases in 2022). Reported cases gonorrhea **decreased by 28%** in the same time period (1,105 cases in 2021 to 792 cases in 2022). Likewise, reported cases of chlamydia **decreased by 8%** in 2022 compared to 2021 (4,410 cases in 2021 to 4,043 cases in 2022).

Unlike chlamydia and gonorrhea cases, the number of reported syphilis cases **increased by 17%** in 2022 compared to 2021 (150 cases in 2021 to 176 in 2022).

Figure 1.

Syphilis cases in northeastern region continue to rise.

Trend of reported cases of STI in the northeastern region, 2018 - 2022

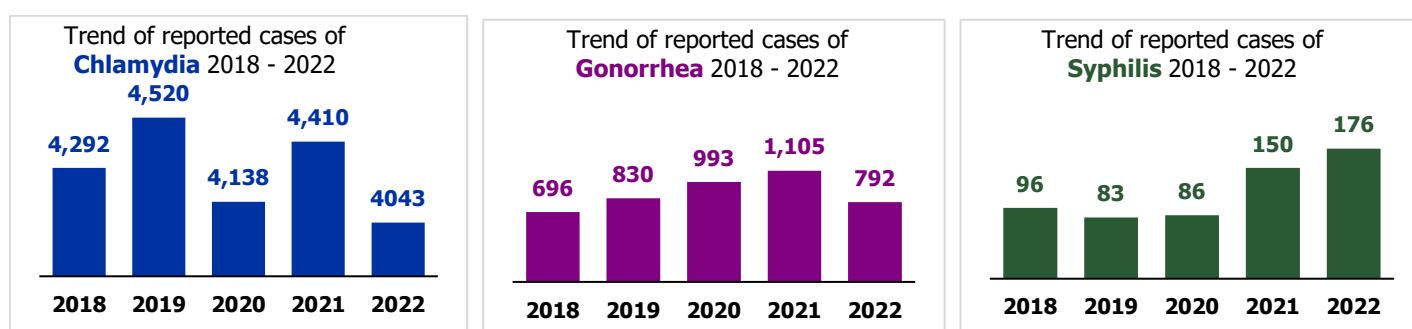
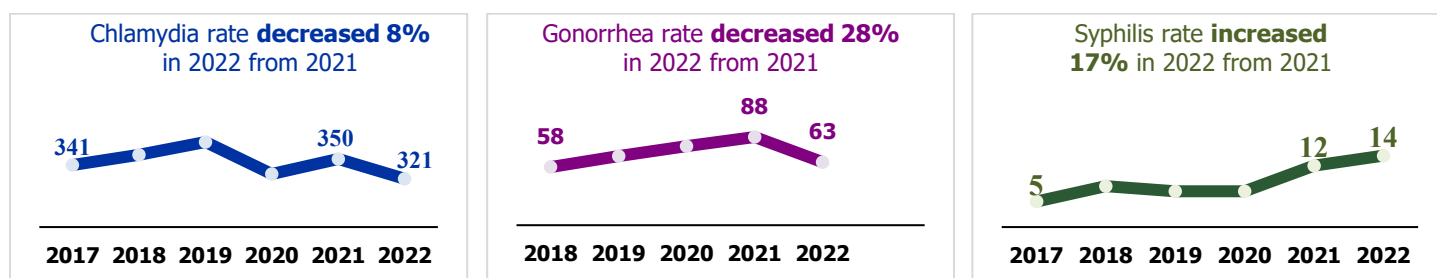


Figure 2.

Syphilis rate increased 180% since 2018

Rates of reported cases of STI (per 100,000 people) northeastern region, 2018-2022



Key Points:



Sexually Transmitted Infections are widespread, impacting people of all races, ethnicities, gender, ages.



In 2022, rates of syphilis increased 17% in northeastern region.



The most vulnerable populations include men and women between ages 20-35.

Wisconsin Sexually Transmitted Infection (STI) Surveillance Report

Reported Cases and Rates per100,000 people by Gender, Race, Ethnicity, and Age

Northeastern Region - 2022

	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Total	4,043	100.0%	321	792	100.0%	63	176	100.0%	14	5,011	100.0%	398
Gender												
Male	1,267	31.3%	201	408	51.5%	65	127	72.2%	20	1,802	36.0%	286
Female	2,766	68.4%	440	381	48.1%	61	46	26.1%	7	3,193	63.7%	508
Transgender Female	2	0.0%	-	1	0.1%	-	0	0.0%	-	3	0.1%	-
Transgender Male	3	0.1%	-	1	0.1%	-	1	0.6%	-	5	0.1%	-
Unknown	5	0.1%	-	1	0.1%	-	2	1.1%	-	8	0.2%	-
Race/Ethnicity												
White	2,391	59.1%	217	386	48.7%	35	97	55.1%	9	2,874	57.4%	261
Black	593	14.7%	2,086	223	28.2%	785	29	16.5%	102	845	16.9%	2973
Native American	224	5.5%	1,015	64	8.1%	290	8	4.5%	36^	296	5.9%	1341
Asian	82	2.0%	217	4	0.5%	*	3	1.7%	*	89	1.8%	236
Hispanic	611	15.1%	858	91	11.5%	128	31	17.6%	44	733	14.6%	1030
Other/Unknown	142	3.5%	-	24	3.0%	-	8	4.5%	-	174	3.5%	-
Age												
0-4	2	0.0%	*	0	0.0%	0	0	0.0%	0	2	0.0%	*
5-9	0	0.0%	0	0	1.1%	12	0	0.0%	0	9	0.2%	12^
10-14	26	0.6%	33	9	16.7%	165^	0	0.0%	0	158	3.2%	198
15-19	969	24.0%	1,227	132	24.4%	244	7	4.0%	9^	1,169	23.3%	1480
20-24	1505	37.2%	2,100	193	19.7%	218	25	14.2%	35	1,686	33.6%	2353
25-29	690	17.1%	896	156	16.3%	167	26	14.8%	34	845	16.9%	1097
30-34	421	10.4%	542	129	10.4%	106	38	21.6%	49	541	10.8%	697
35-39	233	5.8%	295	82	4.5%	46	13	7.4%	16	282	5.6%	357
40-44	101	2.5%	137	36	2.1%	23	15	8.5%	20	133	2.7%	181
45-49	49	1.2%	66	17	4.8%	51	13	7.4%	18	100	2.0%	135
50+	47	1.2%	9	38	100.0%	158	39	22.2%	8	878	17.5%	175

*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 per100,000 people by County

Northeastern Region - 2022

Region/County	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Northeastern												
Brown	1,245	31%	475	280	35%	107	59	34%	22	1,584	32%	604
Calumet	63	2%	121	10	1%	19^	5	3%	*	78	2%	150
Door	44	1%	155	3	0%	*	0	0%	0	47	1%	166
Fond du lac	327	8%	315	94	12%	90	10	6%	10^	431	9%	415
Green Lake	33	1%	172	4	1%	*	2	1%	*	39	1%	204
Kewaunee	30	1%	145	6	1%	29^	2	1%	*	38	1%	184
Manitowoc	190	5%	235	32	4%	40	7	4%	9^	229	5%	283
Marinette	103	3%	251	9	1%	22^	5	3%	*	117	2%	285
Marquette	15	0%	97	3	0%	*	0	0%	0	18	0%	116
Menominee	51	1%	1,171	12	2%	275	0	0%	0	63	1%	1,446
Oconto	93	2%	241	5	1%	*	5	3%	*	103	2%	267
Outagamie	623	15%	332	87	11%	46	28	16%	15	738	15%	394
Shawano	111	3%	268	20	3%	48	3	2%	*	134	3%	323
Sheboygan	357	9%	308	60	8%	52	20	11%	17	437	9%	377
Waupaca	90	2%	173	7	1%	13^	2	1%	*	99	2%	191
Waushara	34	1%	139	5	1%	*	1	1%	*	40	1%	163
Winnebago	634	16%	370	155	20%	91	27	15%	16	816	16%	477
Region total	4,043	100%	321	792	100%	63	176	100%	14	5,011	100%	398

*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- 2022

	Primary			Secondary			Early Latent			Early Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Total	28	100%	2	30	100%	2	37	100%	3	95	100%	8
Gender												
Male	22	79%	3	27	90%	4	29	78%	5	78	82%	12
Female	6	21%	1^	3	10%	*	8	22%	1^	17	18%	3
Transgender Female	0	0%	-	0	0%	-		0%	-	0	0%	-
Transgender Male	0	0%	-	0	0%	-		0%	-	0	0%	-
Race/Ethnicity												
White	14	50%	1	20	67%	2	19	51%	2	53	56%	4.8
Black	7	25%	25^	6	20%	21^	3	8%	*	16	17%	56
Native American	1	4%	*	1	3%	*	2	5%	*	4	4%	*
Asian	1	4%	*	1	3%	*	1	3%	*	3	3%	*
Hispanic	4	14%	*	2	7%	*	11	30%	15^	17	18%	24
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	2	7%	*	1	3%	*	1	3%	*	4	4%	*
20-24	9	32%	13^	2	7%	*	3	8%	*	14	15%	20
25-29	1	4%	*	7	23%	9^	8	22%	10^	16	17%	21
30-34	6	21%	8^	4	13%	*	8	22%	10^	18	19%	23
35-39	2	7%	*	3	10%	*	3	8%	*	8	8%	10^
40-44	3	11%	*	3	10%	*	2	5%	*	8	8%	11^
45-49	1	4%	*	3	10%	*	2	5%	*	6	6%	8^
50+	4	14%	*	7	23%	1^	10	27%	2^	21	22%	4

*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 - 2022

	Early Total			Late Latent			Congenital			All Stage Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Total	95	100%	14	81	100%	5	0	100%	0.0	176	100%	14
Gender												
Male	78	279%	20	49	60%	8	0	0%	0	127	72%	20
Female	17	61%	7	29	36%	5	0	100%	0	46	26%	7
Transgender Female	0	0%	-	1	1%	-	0	0%	-	1	1%	-
Transgender Male	0	0%	-	0	0%	-	0	0%	-	0	0%	-
Race/Ethnicity												
White	53	189%	8.8	44	54%	4	0	50%	0	97	55%	9
Black	16	57%	102	13	16%	46	0	0%	0	29	16%	102
Native American	4	14%	*	4	5%	*	0	0%	0	8	5%	36^
Asian	3	11%	*	0	0%	0	0	0%	0	3	2%	*
Hispanic	17	61%	44	14	17%	20	0	50%	0	31	18%	44
Unknown	2	7%	-	6	7%	-	0	0%	-	8	5%	-
Age												
0-4	0	0%	0	0	0%	0	0	100%	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	4	14%	*	3	4%	*	0	0%	0	7	4%	9^
20-24	14	50%	34	11	14%	15^	0	0%	0	25	14%	35
25-29	16	57%	34	10	12%	13^	0	0%	0	26	15%	34
30-34	18	64%	49	20	25%	26	0	0%	0	38	22%	49
35-39	8	29%	16^	5	6%	*	0	0%	0	13	7%	16
40-44	8	29%	20^	7	9%	10^	0	0%	0	15	9%	20
45-49	6	21%	18^	7	9%	9^	0	0%	0	13	7%	18
50+	21	75%	8	18	22%	4	0	0%	0	39	22%	8

*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. In these reports, rates presented are cases per 100,000 population (2020). 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 not included in the regional report but is included in the statewide report and geographic region for these cases are assigned as institution.
6. Cases residing outside Wisconsin are not included in this report.
7. All races are non-Hispanic ethnicity. Under the category race, Asian includes Asian Pacific Islander and American Indian Alaska Native is named as Native American.
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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