



Sexually Transmitted Infections in Wisconsin, 2022

Western Region

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

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Wisconsin Sexually Transmitted Disease Surveillance Report

Western Region - 2022

Overall, reported cases of sexually transmitted infection (chlamydia, gonorrhea and syphilis) in the Western region **decreased by 10.3%** in 2022 compared to 2021 (3057 cases in 2021 to 2742 cases in 2022). Reported cases of Gonorrhea **decreased drastically, with nearly 30%** decline observed from 2021 to 2022 (615 cases in 2021 to 429 cases in 2022), likewise the reported cases of chlamydia **decreased by 7%** in 2022 (2,219 in 2021 to 2,387 in 2022). Contrasting to gonorrhea and chlamydia, the reported cases of **syphilis increased 71%** in 2022 in the western region.

Figure 1.

Syphilis cases in western region continue to rise.

Trend of reported cases of STI, Western Region, 2018-2022

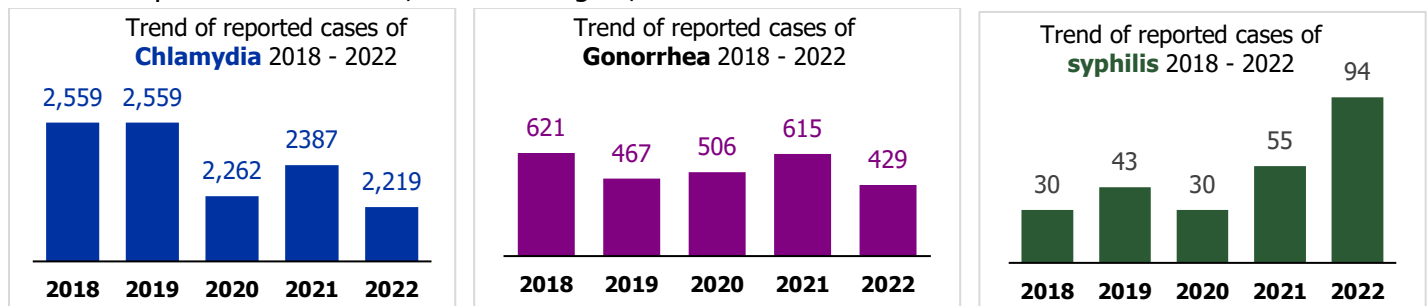
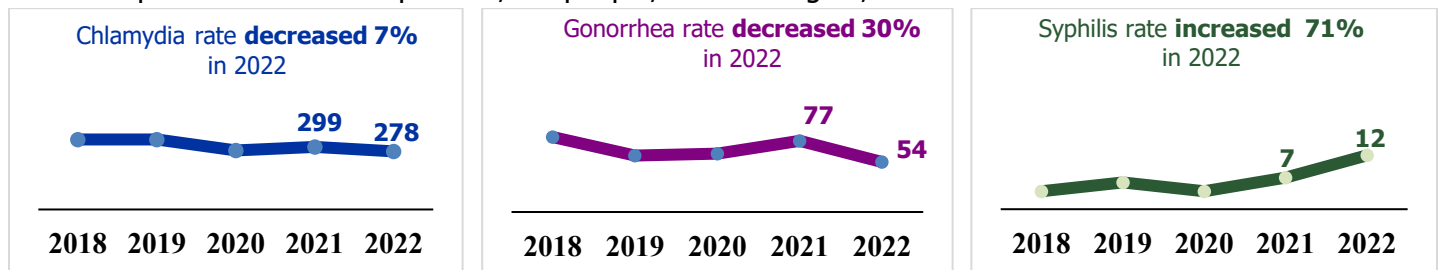


Figure 2.

Syphilis rate increased harshly (71%) in 2022.

Rate of reported cases of STI per 100,000 people, western region, 2018-2022



Key points:



Sexually Transmitted Infections are widespread, impacting people of all racial and ethnic groups, gender, and ages in Western region.



Rates of syphilis continues to increase in 2022 in the western 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

Western Region - 2022

	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Total	2,219	100.0%	278	429	100.0%	54	94	100.0%	12	2,742	100.0%	344
Gender												
Male	718	32.4%	179	218	50.8%	54	66	70.2%	16	1,002	36.5%	250
Female	1,493	67.3%	376	209	48.7%	53	27	28.7%	7	1,729	63.1%	435
Transgender Female	3	0.1%	-	1	0.2%	-	0	0.0%	-	4	0.1%	-
Transgender Male	1	0.0%	-	1	0.2%	-	1	1.1%	-	3	0.1%	-
Unknown	4	0.2%	-	0	0.0%	-	0	0.0%	-	4	0.1%	-
Race/Ethnicity												
White	1,680	75.7%	228	307	71.6%	42	74	78.7%	10	2,061	75.2%	280
Black	178	8.0%	1,408	81	18.9%	641	5	5.3%	*	264	9.6%	2,088
Native American	33	1.5%	439	5	1.2%	*	2	2.1%	*	40	1.5%	532
Asian	59	2.7%	330	6	1.4%	34^	2	2.1%	*	67	2.4%	375
Hispanic	168	7.6%	721	17	4.0%	73	10	10.6%	43^	195	7.1%	837
Other/Unknown	101	4.6%	-	13	3.0%	-	1	1.1%	-	115	4.2%	-
Age												
0-4	1	0.0%	*	0	0.0%	0	1	1.1%	*	2	0.1%	*
5-9	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
10-14	12	0.5%	23	0	0.0%	0	0	0.0%	0	12	0.4%	23
15-19	562	25.3%	1,024	58	13.5%	106	5	5.3%	*	625	22.8%	1,139
20-24	955	43.0%	1,580	87	20.3%	144	15	16.0%	25	1,057	38.5%	1,748
25-29	318	14.3%	675	67	15.6%	142	18	19.1%	38	403	14.7%	856
30-34	181	8.2%	415	80	18.6%	183	12	12.8%	28	273	10.0%	626
35-39	104	4.7%	213	58	13.5%	119	12	12.8%	25	174	6.3%	357
40-44	44	2.0%	97	42	9.8%	93	7	7.4%	15^	93	3.4%	206
45-49	17	0.8%	37	13	3.0%	28	7	7.4%	15^	37	1.3%	81
50+	25	1.1%	8	24	5.6%	8	17	18.1%	6	66	2.4%	21

*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

Western Region - 2022

Western	Chlamydia			Gonorrhea			Syphilis			Total		
	Case	Percent	Rates	Case	Percent	Rates	Case	Percent	Rates	Case	Percent	Rates
Barron	92	4.1%	200	18	4.2%	39	7	7.4%	15^	117	4.3%	254
Buffalo	23	1.0%	171	2	0.5%	*	1	1.1%	*	26	0.9%	193
Burnett	27	1.2%	174	4	0.9%	*	0	0.0%	0	31	1.1%	200
Chippewa	135	6.1%	208	41	9.6%	63	7	7.4%	11^	183	6.7%	282
Clark	56	2.5%	161	5	1.2%	*	2	2.1%	*	63	2.3%	181
Douglas	111	5.0%	253	31	7.2%	71	10	10.6%	23^	152	5.5%	346
Dunn	135	6.1%	300	21	4.9%	47	5	5.3%	*	161	5.9%	358
Eau Claire	378	17.0%	364	79	18.4%	76	15	16.0%	14	472	17.2%	454
Jackson	42	1.9%	202	11	2.6%	53^	1	1.1%	*	54	2.0%	260
La Crosse	616	27.8%	516	126	29.4%	106	16	17.0%	13	758	27.6%	635
Monroe	138	6.2%	295	28	6.5%	60	1	1.1%	*	167	6.1%	358
Pepin	5	0.2%	*	0	0.0%	0	1	1.1%	*	6	0.2%	81^
Pierce	123	5.5%	290	8	1.9%	19^	4	4.3%	*	135	4.9%	318
Polk	67	3.0%	151	7	1.6%	16^	7	7.4%	16^	81	3.0%	183
Rusk	17	0.8%	116	5	1.2%	*	2	2.1%	*	24	0.9%	164
Saint Croix	146	6.6%	161	27	6.3%	30	10	10.6%	11^	183	6.7%	202
Trempealeau	88	4.0%	294	11	2.6%	37^	1	1.1%	*	100	3.6%	335
Washburn	20	0.9%	126	5	1.2%	*	4	4.3%	*	29	1.1%	182
Region total	2219	100.0%	278	429	100.0%	54	94	100.0%	12	2742	100.0%	343

*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

Western Region- 2022

	Primary			Secondary			Early Latent			Early Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Total	15	100%	2	21	100%	3	18	100%	2	54	100%	7
Gender												
Male	11	73%	3^	13	62%	3	15	83%	4	39	72%	10
Female	4	27%	*	8	38%	2^	3	17%	*	15	28%	4
Transgender Female	0	0%	-	0	0%	-	0	0%	-	0	0%	-
Transgender Male	0	0%	-	0	0%	-	0	0%	-	0	0%	-
Unknown	0	0%	-	0	0%	-	0	0%	-	0	0%	-
Race/Ethnicity												
White	11	73%	1^	18	86%	2	16	89%	2	45	83%	6
Black	0	0%	0	1	5%	*	0	0%	0	1	2%	*
American Indian	1	7%	*	1	5%	*	1	6%	*	3	6%	*
Asian	0	0%	0	0	0%	0	0	0%	0	0	0%	0
Hispanic	2	13%	*	0	0%	0	0	0%	0	2	4%	*
Other/Unknown	1	7%	-	0	0%	-	0	0%	-	1	2%	-
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	2	10%	*	0	0%	0	2	4%	*
20-24	1	7%	*	4	19%	*	4	22%	*	9	17%	15^
25-29	5	33%	*	2	10%	*	3	17%	*	10	19%	21^
30-34	2	13%	*	2	10%	*	1	6%	*	5	9%	*
35-39	3	20%	*	3	14%	*	3	17%	*	9	17%	18^
40-44	1	7%	*	2	10%	*	2	11%	*	5	9%	*
45-49	0	20%	0	4	10%	*	1	6%	*	6	11%	13^
50+	3	0%	*	2	0%	*	4	22%	*	0	0%	0

*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 Western Region - 2022

	Early Total			Late Latent			Congenital			All Stage Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Total	54	100%	7	39	100%	5	1	0%	0	94	100%	12
Gender												
Male	39	72%	10	26	67%	6	1	7%	*	66	70%	16
Female	15	28%	4	12	31%	3	0	0%	0	27	29%	7
Transgender Female	0	0%	-	1	3%	-	0	0%	-	1	1%	-
Transgender Male	0	0%	-	0	0%	-	0	0%	-	0	0%	-
Unknown	0	0%	-	0	0%	-	0	0%	-	0	0%	-
Race/Ethnicity												
White	45	83%	6	16	41%	2	0	0%	0	61	65%	8
Black	1	2%	*	2	5%	*	0	0%	0	3	3%	*
American Indian	3	6%	*	1	3%	*	0	0%	0	4	4%	*
Asian	0	0%	0	1	3%	*	0	0%	0	1	1%	*
Hispanic	2	4%	*	2	5%	*	0	0%	0	4	4%	*
Other/Unknown	1	2%	-	0	0%	-	0	0%	-	1	1%	-
Age												
0-4	0	0%	0	0	0%	0	1	7%	*	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	2	4%	*	3	8%	*	0	0%	0	5	5%	*
20-24	9	17%	15^	6	15%	10^	0	0%	0	15	16%	25
25-29	10	19%	21^	8	21%	17^	0	0%	0	18	19%	38
30-34	5	9%	*	7	18%	16^	0	0%	0	12	13%	28
35-39	9	17%	18^	3	8%	*	0	0%	0	12	13%	25
40-44	5	9%	*	2	5%	*	0	0%	0	7	7%	15^
45-49	5	9%	*	2	5%	*	0	0%	0	7	7%	15^
50+	9	17%	3^	8	21%	3^	0	0%	0	17	18%	6

*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 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 vary 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 (2019). 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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