



# Sexually Transmitted Infections in Wisconsin, 2022

## Southern Region



# Wisconsin Sexually Transmitted Infections (STI) Surveillance Report Southern Region - 2022

Overall, Sexually Transmitted Infections (STI) cases (chlamydia, gonorrhea, syphilis) reported in the southern region **decreased 19%** in 2022 (7,022 cases in 2021 to 5,699 cases in 2022). Reported cases of gonorrhea **decreased drastically with nearly a 37%** decline observed from 2021 to 2022 (1,791 cases in 2021 to 1,128 cases in 2022). Likewise, the reported cases of chlamydia **decreased by 14%** in the same period (5,040 cases in 2021 to 4,359 cases in 2022). In contrast the reported cases of **syphilis increased 11%** in 2022 (191 cases in 2021 to 212 cases in 2022).

Figure 1.

## The reported case of syphilis continues to rise in southern region.

Trend of reported STI cases, southern region, 2018-2022

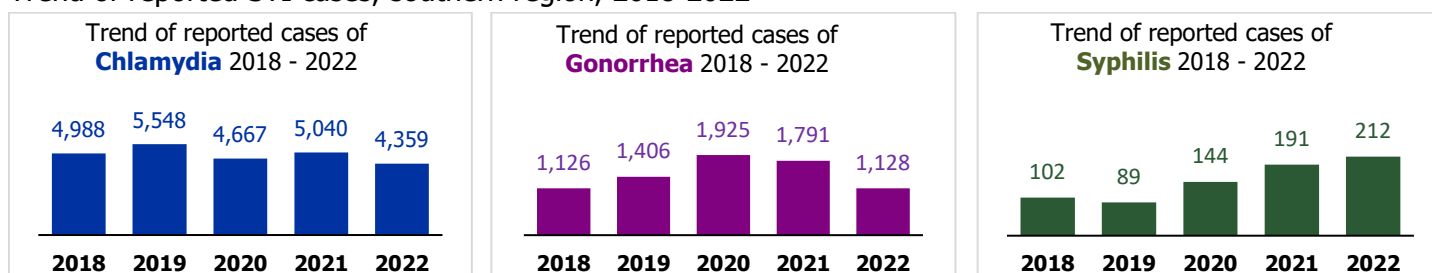
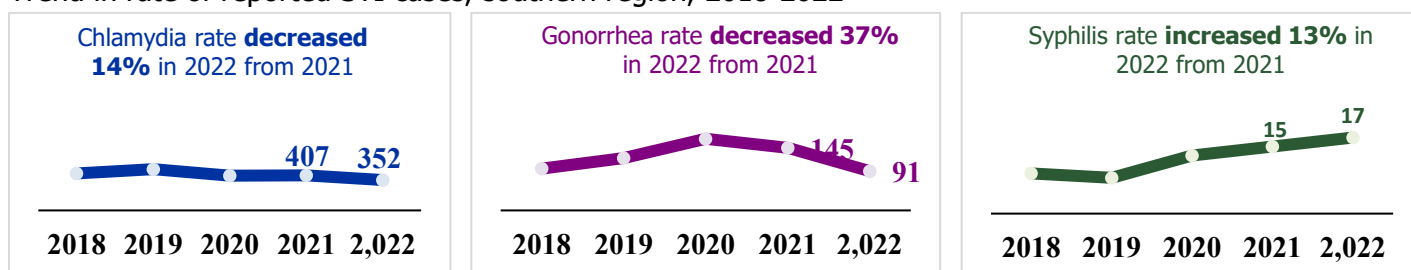


Figure 2.

## Syphilis rate increased 13%. In contrast, chlamydia and gonorrhea rate decreased in 2022.

Trend in rate of reported STI cases, southern region, 2018-2022



### Key points:



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



Rates of syphilis increased, gonorrhea and chlamydia rate decreased in 2022.



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

### Southern Region - 2022

	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
<b>Total</b>	4,359	100%	352	1,128	100.0%	91	212	100.0%	17	5,699	100.0%	460
<b>Gender</b>												
Male	1,472	33.8%	237	579	51.3%	93	150	70.8%	24	2,201	38.6%	354
Female	2,847	65.3%	462	539	47.8%	87	57	26.9%	9	3,443	60.4%	558
Transgender Female	5	0.1%	-	5	0.4%	-	2	0.9%	-	12	0.2%	-
Transgender Male	5	0.1%	-	3	0.3%	-	1	0.5%	-	9	0.2%	-
Unknown	30	0.7%	-	2	0.2%	-	2	0.9%	-	34	0.6%	-
<b>Race/Ethnicity</b>												
White	2,298	52.7%	216	483	42.8%	45	103	48.6%	10	2,884	50.6%	272
Black	964	22.1%	1,791	448	39.7%	832	58	27.4%	108	1,470	25.8%	2,732
Native American	39	0.9%	728	7	0.6%	131 <sup>^</sup>	1	0.5%	*	47	0.8%	877
Asian	118	2.7%	276	24	2.1%	56	7	3.3%	16 <sup>^</sup>	149	2.6%	349
Hispanic	620	14.2%	822	103	9.1%	137	39	18.4%	52	762	13.4%	1,010
Other/Unknown	320	7.3%	-	63	5.6%	-	4	1.9%	-	387	6.8%	-
<b>Age</b>												
0-4	0	0.0%	0	0	0.0%	0	3	1.4%	*	3	0.1%	*
5-9	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
10-14	14	0.3%	18	2	0.2%	*	0	0.0%	0	16	0.3%	20
15-19	1109	25.4%	1,427	179	15.9%	230	4	1.9%	*	1,292	22.7%	1,663
20-24	1727	39.6%	1,925	303	26.9%	338	22	10.4%	22	2,052	36.0%	2,287
25-29	674	15.5%	799	212	18.8%	251	31	14.6%	31	917	16.1%	1,087
30-34	353	8.1%	444	178	15.8%	224	32	15.1%	32	563	9.9%	709
35-39	220	5.0%	264	112	9.9%	135	42	19.8%	42	374	6.6%	449
40-44	128	2.9%	170	64	5.7%	85	16	7.5%	16	208	3.6%	277
45-49	56	1.3%	75	29	2.6%	39	13	6.1%	13	98	1.7%	132
50+	78	1.8%	17	49	4.3%	11	49	23.1%	49	176	3.1%	39

\*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

### Southern Region - 2022

Southern	Chlamydia			Gonorrhea			Syphilis			Total		
	Case	Percent	Rates	Case	Percent	Rates	Case	Percent	Rates	Case	Percent	Rates
Adams	43	1.0%	209	5	0.4%	*	4	1.9%	*	52	0.9%	253
Columbia	150	3.4%	261	19	1.7%	33	5	2.4%	*	174	3.1%	303
Crawford	26	0.6%	158	3	0.3%	*	0	0.0%	0	29	0.5%	176
Dane	2455	56.3%	455	668	59.2%	124	146	68.9%	27	3,269	57.4%	605
Dodge	160	3.7%	179	14	1.2%	16	9	4.2%	10^	183	3.2%	205
Grant	121	2.8%	231	30	2.7%	57	4	1.9%	*	155	2.7%	295
Green	67	1.5%	181	7	0.6%	19^	4	1.9%	*	78	1.4%	211
Iowa	28	0.6%	118	5	0.4%	*	1	0.5%	*	34	0.6%	143
Jefferson	174	4.0%	205	28	2.5%	33	6	2.8%	7^	208	3.6%	246
Juneau	84	1.9%	310	10	0.9%	37^	2	0.9%	*	96	1.7%	354
Lafayette	53	1.2%	314	1	0.1%	*	0	0.0%	0	54	0.9%	320
Richland	39	0.9%	220	8	0.7%	45^	0	0.0%	0	47	0.8%	265
Rock	697	16.0%	432	289	25.6%	179	19	9.0%	12	1,005	17.6%	622
Sauk	218	5.0%	343	34	3.0%	53	9	4.2%	14^	261	4.6%	410
Vernon	44	1.0%	144	7	0.6%	23^	3	1.4%	*	54	0.9%	177
<b>Region total</b>	<b>4359</b>	<b>100.0%</b>	<b>352</b>	<b>1128</b>	<b>100.0%</b>	<b>91</b>	<b>212</b>	<b>100.0%</b>	<b>17</b>	<b>5,699</b>	<b>100.0%</b>	<b>460</b>

\*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 Southern Region - 2022

	Primary			Secondary			Early Latent			Early Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
<b>Total</b>	31	100%	3	38	100%	3	38	100%	3	107	100%	9
<b>Sex/Gender</b>												
Male	24	77%	4	28	74%	4	32	84%	5	84	79%	13
Female	6	19%	1 <sup>^</sup>	10	26%	2 <sup>^</sup>	5	13%	*	21	20%	3
Transgender Female	1	3%	-	0	0%	-	0	0%	-	1	1%	-
Transgender Male	0	0%	-	0	0%	-	0	0%	-	0	0%	-
Unknown	0	0%	-	0	0%	-	1	3%	-	1	1%	-
<b>Race/Ethnicity</b>												
White	16	52%	2	26	68%	2	19	50%	2	61	57%	6
Black	10	32%	19 <sup>^</sup>	7	18%	13 <sup>^</sup>	10	26%	19 <sup>^</sup>	27	25%	50
Native American	0	0%	0	0	0%	0	1	3%	*	1	1%	*
Asian	1	3%	*	1	3%	*	2	5%	*	4	4%	*
Hispanic	3	10%	*	4	11%	*	5	13%	*	12	11%	16
Other/Unknown	1	3%	-	0	0%	-	1	3%	-	2	2%	-
<b>Age</b>											0%	
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	1	3%	*	0	0%	0	0	0%	0	1	1%	*
20-24	3	10%	*	2	5%	*	5	13%	*	10	9%	11 <sup>^</sup>
25-29	5	16%	*	7	18%	8 <sup>^</sup>	5	13%	*	17	16%	20
30-34	3	10%	*	4	11%	*	7	18%	9 <sup>^</sup>	14	13%	18
35-39	8	26%	10 <sup>^</sup>	4	11%	*	6	16%	7 <sup>^</sup>	18	17%	22
40-44	4	13%	*	2	5%	*	5	13%	*	11	10%	15
45-49	2	6%	*	3	8%	*	2	5%	*	7	7%	9 <sup>^</sup>
50+	5	16%	*	16	42%	4	8	21%	2 <sup>^</sup>	29	27%	6

\*\*Rates based on five case counts or less are not shown. <sup>^</sup>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 Southern Region - 2022

	Early total			Late Latent			Congenital			All Stage Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
<b>Total</b>	107	100%	9	102	100%	8	3	100%	*	212	100%	17
<b>Sex/Gender</b>												
Male	84	79%	13	66	65%	11	0	0%	0	150	71%	24
Female	21	20%	3	34	33%	6	2	67%	*	57	27%	9
Transgender Female	1	1%	-	1	1%	-	0	0%	-	2	1%	-
Transgender Male	0	0%	-	1	1%	-	0	0%	-	1	0%	-
Unknown	1	1%	-	0	0%	-	1	33%	-	2	1%	-
<b>Race/Ethnicity</b>												
White	61	57%	6	41	40%	4	1	33%	*	103	49%	10
Black	27	25%	50	31	30%	58	0	0%	0	58	27%	108
Native American	1	1%	*	0	0%	0	0	0%	0	1	0%	*
Asian	4	4%	*	3	3%	*	0	0%	0	7	3%	16^
Hispanic	12	11%	16	25	25%	33	2	67%	*	39	18%	52
Other/Unknown	2	2%	-	2	2%	-	0	0%	-	4	2%	-
<b>Age</b>												
0-4	0	0%	0	0	0%	0	3	100%	*	3	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	1%	*	3	3%	*	0	0%	0	4	2%	*
20-24	10	9%	11^	12	12%	13	0	0%	0	22	10%	25
25-29	17	16%	20	14	14%	17	0	0%	0	31	15%	37
30-34	14	13%	18	18	18%	23	0	0%	0	32	15%	40
35-39	18	17%	22	24	24%	29	0	0%	0	42	20%	50
40-44	11	10%	15^	5	5%	*	0	0%	0	16	8%	21
45-49	7	7%	9^	6	6%	8^	0	0%	0	13	6%	17
50+	29	27%	6	20	20%	4	0	0%	0	49	23%	11

\*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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