

Sexually Transmitted Infections in Wisconsin, 2022 Southern Region

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



P-00415A (07/2023)

Wisconsin Sexually Transmitted Infections (STI) Surveillace 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

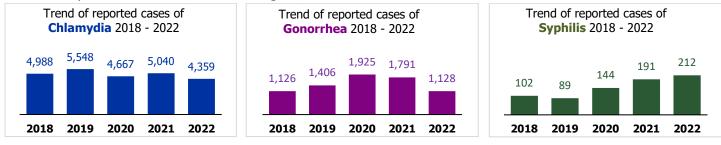
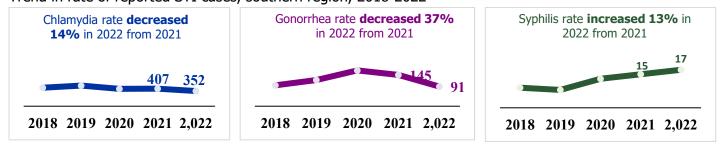


Figure 2.

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	1		Gonorrhea Syphilis						Total			
Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates		
4,359	100%	352	1,128	100.0%	91	212	100.0%	17	5,699	100.0%	460		
1,472	33.8%	237	579	51.3%	93	150	70.8%	24	2,201	38.6%	354		
2,847	65.3%	462	539	47.8%	87	57	26.9%	9	3,443	60.4%	558		
5	0.1%	-	5	0.4%	-	2	0.9%	-	12	0.2%	-		
5	0.1%	-	3	0.3%	-	1	0.5%	-	9	0.2%	-		
30	0.7%	-	2	0.2%	-	2	0.9%	-	34	0.6%	-		
2,298	52.7%	216	483	42.8%	45	103	48.6%	10	2,884	50.6%	272		
964	22.1%	1,791	448	39.7%	832	58	27.4%	108	1,470	25.8%	2,732		
39	0.9%	728	7	0.6%	131^	1	0.5%	*	47	0.8%	877		
118	2.7%	276	24	2.1%	56	7	3.3%	16^	149	2.6%	349		
620	14.2%	822	103	9.1%	137	39	18.4%	52	762	13.4%	1,010		
320	7.3%	-	63	5.6%	-	4	1.9%	-	387	6.8%	-		
0	0.0%	0	0	0.0%	0	3	1.4%	*	3	0.1%	*		
0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0		
14	0.3%	18	2	0.2%	*	0	0.0%	0	16	0.3%	20		
1109	25.4%	1,427	179	15.9%	230	4	1.9%	*	1,292	22.7%	1,663		
1727	39.6%	1,925	303	26.9%	338	22	10.4%	22	2,052	36.0%	2,287		
674	15.5%	799	212	18.8%	251	31	14.6%	31	917	16.1%	1,087		
353	8.1%	444	178	15.8%	224	32	15.1%	32	563	9.9%	709		
220	5.0%	264	112	9.9%	135	42	19.8%	42	374	6.6%	449		
128	2.9%	170	64	5.7%	85	16	7.5%	16	208	3.6%	277		
56	1.3%	75	29	2.6%	39	13	6.1%	13	98	1.7%	132		
78	1.8%	17	49	4.3%	11	49	23.1%	49	176	3.1%	39		
	Cases 4,359 1,472 2,847 5 5 30 2,298 964 39 118 620 320 118 620 320 118 620 320 118 620 320 118 624 320 128 56	Cases Percent 4,359 100% 1,472 33.8% 2,847 65.3% 5 0.1% 5 0.1% 5 0.1% 30 0.7% 2,298 52.7% 964 22.1% 39 0.9% 118 2.7% 620 14.2% 320 7.3% 0 0.0% 118 2.7% 620 14.2% 320 7.3% 118 2.7% 620 14.2% 320 7.3% 1109 25.4% 1109 25.4% 1727 39.6% 674 15.5% 353 8.1% 220 5.0% 128 2.9% 56 1.3%	4,359 $100%$ 352 $1,472$ $33.8%$ 237 $2,847$ $65.3%$ 462 5 $0.1%$ - 5 $0.1%$ - 30 $0.7%$ - $2,298$ $52.7%$ 216 964 $22.1%$ $1,791$ 39 $0.9%$ 728 118 $2.7%$ 276 620 $14.2%$ 822 320 $7.3%$ - 0 $0.0%$ 0 14 $0.3%$ 18 1109 $25.4%$ $1,427$ 1727 $39.6%$ $1,925$ 674 $15.5%$ 799 353 $8.1%$ 444 220 $5.0%$ 264 128 $2.9%$ 170 56 $1.3%$ 75	Cases Percent Rates Cases 4,359 100% 352 1,128 4,359 100% 352 1,128 1,472 33.8% 237 579 2,847 65.3% 462 539 5 0.1% - 5 5 0.1% - 3 30 0.7% - 2 2,298 52.7% 216 483 964 22.1% 1,791 448 39 0.9% 728 7 118 2.7% 276 24 620 14.2% 822 103 320 7.3% - 63 7 30% 18 2 1109 25.4% 1,427 179 14 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*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												
		Chlamydia)	Gonorrhea				Syphilis			Total		
Southern	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	
Region total	4359	100.0%	352	1128	100.0%	91	212	100.0%	17	5,699	100.0%	460	

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

				South	nern Reg	gion - ₁	2022					
		Primary			Secondary			Early Later	nt		Early Tota	1
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Total	31	100%	3	38	100%	3	38	100%	3	107	100%	9
Sex/Gender												
Male	24	77%	4	28	74%	4	32	84%	5	84	79%	13
Female	6	19%	1^	10	26%	2^	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%	-
Race/Ethnicity												
White	16	52%	2	26	68%	2	19	50%	2	61	57%	6
Black	10	32%	19^	7	18%	13^	10	26%	19^	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%	-
Age											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^
25-29	5	16%	*	7	18%	8^	5	13%	*	17	16%	20
30-34	3	10%	*	4	11%	*	7	18%	9^	14	13%	18
35-39	8	26%	10^	4	11%	*	6	16%	7^	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^
50+	5	16%	*	16	42%	4	8	21%	2^	29	27%	6

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

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

		Early tota		L	.ate Laten	t		Congenita	I	A	All Stage Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	
Total	107	100%	9	102	100%	8	3	100%	*	212	100%	17	
Sex/Gender													
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%	-	
Race/Ethnicity													
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%	-	
Age													
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	

Wisconsin Syphilis Surveillance Report – Reported Cases and Rates per 100,000 people by Stage of Infection, Gender, Race, Ethnicity, and Age Southern Region - 2022

*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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