



Sexually Transmitted Infections in Wisconsin, 2021

Southern Region



Wisconsin Sexually Transmitted Infections (STI) Surveillance Report

Northeastern Region – 2021

Despite the interruption of delivery of STI testing services due to the Covid – 19 pandemic, overall STI cases reported in Southern region increased 4.2% in 2021. The most significant change observed in 2021 was a **32.6% increase in Syphilis** cases reported. In 2021, chlamydia cases increased by 12.8% and gonorrhea cases decreased by 7.0%.

Table 1.

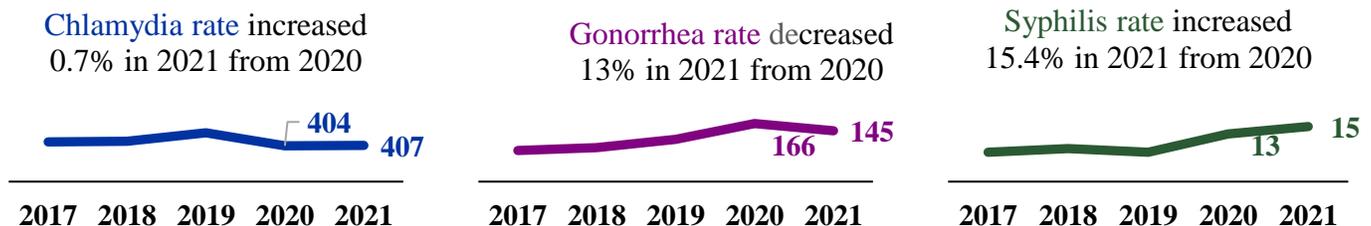
Gonorrhea rate decreased by 13% in 2021

Number of Reported STI Cases and Rates (per 100,000 people) Southern Region, 2017-2021

Disease	2017		2018		2019		2020		2021	
	Cases	Rates								
Chlamydia	4,957	427	4,988	430	5,548	478	4,667	404	5,040	407
Gonorrhea	1,036	89	1,126	97	1,406	121	1,925	166	1,791	145
Syphilis	91	8	102	9	89	8	144	13	191	15

Figure 1.

Syphilis rate increased 15.4%. no significant increase in chlamydia rate, gonorrhea rate decreased by 13% and



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 rate decreased and no significant change in chlamydia rate in 2021.



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 - 2021

	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Total	5,040	100%	4,068	1,791	100.0%	145	191	100.0%	15	7,022	100.0%	567
Gender												
Male	1,730	34.3%	278	950	53.0%	153	142	74.3%	23	2,822	40.2%	453
Female	3,287	65.2%	533	827	46.2%	134	47	24.6%	8	4,161	59.3%	675
Transgender Female	1	0.0%	-	0	0.0%	-	1	0.5%	-	2	0.0%	-
Transgender Male	5	0.1%	-	2	0.1%	-	1	0.5%	-	8	0.1%	-
Unknown	17	0.3%	-	12	0.7%	-	0	0.0%	-	29	0.4%	-
Race/Ethnicity												
White	2,545	50.5%	240	723	40.4%	68	92	48.2%	9	3,360	47.8%	316
Black	1,142	22.7%	2,122	745	41.6%	1,384	62	32.5%	115	1,949	27.8%	3,622
Native American	29	0.6%	541	10	0.6%	187^	0	0.0%	0	39	0.6%	728
Asian	106	2.1%	248	24	1.3%	56	6	3.1%	14^	136	1.9%	318
Hispanic	600	11.9%	795	144	8.0%	191	28	14.7%	37	772	11.0%	1,023
Other/Unknown	618	12.3%	-	145	8.1%	-	3	1.6%	-	766	10.9%	-
Age												
0-4	0	0.0%	0	0	0.0%	0	2	1.0%	*	2	0.0%	*
5-9	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
10-14	32	0.6%	41	7	0.4%	9^	0	0.0%	0	39	0.6%	50
15-19	1,299	25.8%	1,672	326	18.2%	420	8	4.2%	10^	1,633	23.3%	2,102
20-24	1,911	37.9%	2,130	471	26.3%	525	33	17.3%	37	2,415	34.4%	2,692
25-29	862	17.1%	1,022	341	19.0%	404	29	15.2%	34	1,232	17.5%	1,461
30-34	429	8.5%	540	251	14.0%	316	31	16.2%	39	711	10.1%	895
35-39	241	4.8%	289	172	9.6%	207	23	12.0%	28	436	6.2%	524
40-44	120	2.4%	160	86	4.8%	114	16	8.4%	21	222	3.2%	295
45-49	70	1.4%	94	57	3.2%	77	19	9.9%	26	146	2.1%	196
50+	76	1.5%	17	80	4.5%	18	30	15.7%	7	186	2.6%	41

*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 - 2021

Southern	Chlamydia			Gonorrhea			Syphilis			Total		
	Case	Percent	Rates	Case	Percent	Rates	Case	Percent	Rates	Case	Percent	Rates
Adams	30	0.6%	146	6	0.3%	29	1	0.5%	*	37	0.5%	180
Columbia	145	2.9%	252	34	1.9%	59	9	4.7%	16^	188	2.7%	327
Crawford	30	0.6%	182	1	0.1%	*	1	0.5%	*	32	0.5%	195
Dane	2812	55.8%	521	1103	61.6%	204	133	69.6%	25	4,048	57.6%	749
Dodge	213	4.2%	239	36	2.0%	40	9	4.7%	10^	258	3.7%	289
Grant	137	2.7%	261	26	1.5%	50	7	3.7%	13^	170	2.4%	324
Green	75	1.5%	203	8	0.4%	22^	2	1.0%	*	85	1.2%	230
Iowa	41	0.8%	172	10	0.6%	42	0	0.0%	0	51	0.7%	214
Jefferson	221	4.4%	261	46	2.6%	54	3	1.6%	*	270	3.8%	319
Juneau	99	2.0%	365	7	0.4%	26^	2	1.0%	*	108	1.5%	398
Lafayette	34	0.7%	201	3	0.2%	*	0	0.0%	0	37	0.5%	219
Richland	47	0.9%	265	9	0.5%	51^	2	1.0%	*	58	0.8%	327
Rock	856	17.0%	530	449	25.1%	278	10	5.2%	6	1,315	18.7%	815
Sauk	257	5.1%	404	49	2.7%	77	9	4.7%	14^	315	4.5%	495
Vernon	43	0.9%	141	4	0.2%	*	3	1.6%	*	50	0.7%	164
Region total	5,040	100.0%	407	1,791	100.0%	145	191	100.0%	15	7,022	100.0%	567

*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 - 2021**

	Primary			Secondary			Early Latent			Early Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Total	33	100%	*	37	100%	*	45	100%	4	115	100%	9
Sex/Gender												
Male	29	87.9%	5	30	81.1%	5	37	82.2%	6	96	83.5%	15
Female	3	9.1%	*	6	16.2%	1^	8	17.8%	1^	17	14.8%	3
Transgender Female	1	3.0%	-	0	0.0%	-	0	0.0%	-	1	0.9%	-
Transgender Male	0	0.0%	-	1	2.7%	-	0	0.0%	-	1	0.9%	-
Unknown	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
Race/Ethnicity										115	100%	9
White	18	54.5%	2	21	56.8%	2	18	40.0%	2	57	49.6%	5
Black	9	27.3%	17^	11	29.7%	20^	14	31.1%	26	34	29.6%	63
Native American	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
Asian	2	6.1%	*	0	0.0%	0	3	6.7%	*	5	4.3%	*
Hispanic	3	9.1%	*	3	8.1%	*	10	22.2%	13^	16	13.9%	21
Other/Unknown	1	3.0%	-	2	5.4%	-	0	0.0%	-	3	2.6%	-
Age											0%	
0-4	0	0.0%	0	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	0	0.0%	0
10-14	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
15-19	2	6.1%	*	1	2.7%	*	4	8.9%	*	7	6.1%	9^
20-24	6	18.2%	7^	4	10.8%	*	4	8.9%	*	14	12.2%	16
25-29	4	12.1%	*	3	8.1%	*	6	13.3%	7^	13	11.3%	15
30-34	5	15.2%	*	5	13.5%	*	7	15.6%	9^	17	14.8%	21
35-39	4	12.1%	*	6	16.2%	7^	5	11.1%	*	15	13.0%	18
40-44	4	12.1%	*	4	10.8%	*	6	13.3%	8^	14	12.2%	19
45-49	4	12.1%	*	4	10.8%	*	4	8.9%	*	12	10.4%	16
50+	4	12.1%	*	10	27.0%	2	9	20.0%	2^	23	20.0%	5

**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 - 2021**

	Early total			Late Latent			Congenital			All Stage Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Total	115	100%	9	74	100%	6	2	100%	0	191	100%	15
Sex/Gender												
Male	96	83.5%	15	46	62.2%	7	0	0.0%	0	142	74.3%	23
Female	17	14.8%	3	28	37.8%	5	2	100.0%	0	47	24.6%	8
Transgender Female	1	0.9%	-	0	0.0%	-	0	0.0%	-	1	0.5%	-
Transgender Male	1	0.9%	-	0	0.0%	-	0	0.0%	-	1	0.5%	-
Unknown	0	0.0%	-	0	0.0%	-		0.0%	-	0	0.0%	-
Race/Ethnicity												
White	57	49.6%	5	34	45.9%	3	1	50.0%	0	92	48.2%	9
Black	34	29.6%	63	27	36.5%	50	1	50.0%	2	62	32.5%	115
Native American	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
Asian	5	4.3%	12	1	1.4%	2	0	0.0%	0	6	3.1%	14
Hispanic	16	13.9%	21	12	16.2%	16	0	0.0%	0	28	14.7%	37
Other/Unknown	3	2.6%	-	0	0.0%	-	0	0.0%	-	3	1.6%	-
Age												
0-4	0	0.0%	0	0	0.0%	0	2	100.0%	3	2	1.0%	3
5-9	0	0.0%	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	0.0%	0
15-19	7	6.1%	9^	1	1.4%	1	0	0.0%	0	8	4.2%	10
20-24	14	12.2%	16	19	25.7%	21	0	0.0%	0	33	17.3%	37
25-29	13	11.3%	15	16	21.6%	19	0	0.0%	0	29	15.2%	34
30-34	17	14.8%	21	14	18.9%	18	0	0.0%	0	31	16.2%	39
35-39	15	13.0%	18	8	10.8%	10	0	0.0%	0	23	12.0%	28
40-44	14	12.2%	19	2	2.7%	3	0	0.0%	0	16	8.4%	21
45-49	12	10.4%	16	7	9.5%	9	0	0.0%	0	19	9.9%	26
50+	23	20.0%	5	7	9.5%	2	0	0.0%	0	30	15.7%	7

*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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