



Sexually Transmitted Infections in Wisconsin, 2021

Southeastern Region



Wisconsin Sexually Transmitted Infections (STI) Surveillance Report

Southeastern Region – 2021

Despite the interruption of delivery of STI testing services due to the Covid – 19 pandemic, overall STI cases reported in Southeastern region increased 7.3% in 2021. The most significant increase observed in 2021 was a **114% increase in Syphilis** cases reported. In 2021, gonorrhea cases increased by 3% and chlamydia cases increased by 5%.

Table 1.

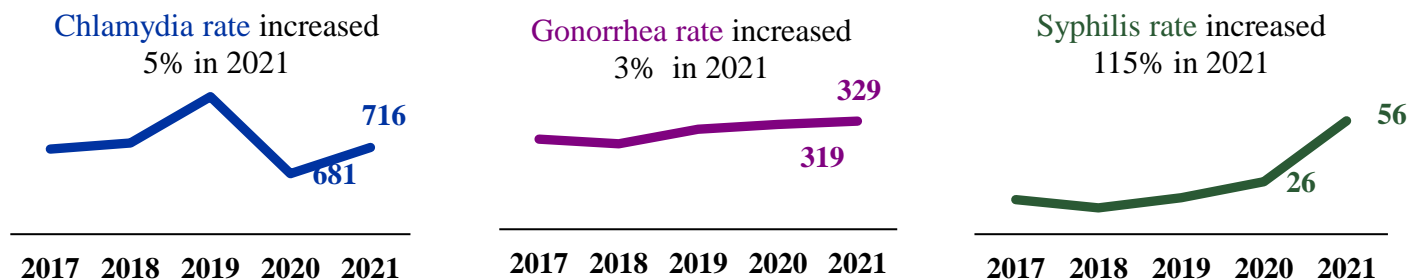
STIs in Southeastern region continue to rise.

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

Disease	2017		2018		2019		2020		2021	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
Chlamydia	14,338	714	14,540	722	15,800	784	13,945	681	14,670	716
Gonorrhea	5,511	274	5,238	260	6,125	304	6,539	319	6,744	329
Syphilis	335	17	272	13	358	18	537	26	1,151	56

Figure 1.

Syphilis rate (per 100,000 people) increased 115% in 2021



Key Points:



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



Rates of chlamydia, Gonorrhea, and syphilis increased in 2021. The syphilis has the highest (115%) rate of reported cases among the three STIs.



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

Southeastern Region - 2021

	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Total	14,670	100%	716	6,744	100%	329	1,151	100%	56	22,565	100%	1,101
Gender												
Male	4,874	33.2%	485	3,544	52.6%	353	703	61.1%	70	9,121	40.4%	908
Female	9,771	66.6%	935	3,173	47.0%	304	424	36.8%	41	13,368	59.2%	1,279
Transgender Female	13	0.1%	-	16	0.2%	-	24	2.1%	-	53	0.2%	-
Transgender Male	1	0.0%	-	1	0.0%	-	0	0.0%	-	2	0.0%	-
Unknown	11	0.1%	-	10	0.1%	-	0	0.0%	-	21	0.1%	-
Race/Ethnicity												
White	2,794	19.0%	199	833	12.4%	59	189	16.4%	13	3,816	16.9%	272
Black	7,918	54.0%	2,547	4,644	68.9%	1,494	751	65.2%	242	13,313	59.0%	4,282
Native American	45	0.3%	449	19	0.3%	189	7	0.6%	70^	71	0.3%	708
Asian	164	1.1%	208	53	0.8%	67	9	0.8%	11^	226	1.0%	287
Hispanic	2,074	14.1%	848	594	8.8%	243	175	15.2%	72	2,843	12.6%	1,163
Other/Unknown	1,675	11.4%	-	601	8.9%	-	20	1.7%	-	2,296	10.2%	0
Age												
0-4	10	0.1%	8^	4	0.1%	*	12	1.0%	10^	26	0.1%	21
5-9	1	0.0%	*	1	0.0%	*	0	0.0%	0	2	0.0%	*
10-14	156	1.1%	122	87	1.3%	68	0	0.0%	0	243	1.1%	189
15-19	3,815	26.0%	2,766	1,536	22.8%	1,114	42	3.6%	30	5,393	23.9%	3,910
20-24	5,212	35.5%	3,668	1,787	26.5%	1,258	159	13.8%	112	7,158	31.7%	5,038
25-29	2,808	19.1%	1,924	1,337	19.8%	916	218	18.9%	149	4,363	19.3%	2,990
30-34	1,386	9.4%	1,015	806	12.0%	590	216	18.8%	158	2,408	10.7%	1,764
35-39	631	4.3%	465	449	6.7%	331	133	11.6%	98	1,213	5.4%	893
40-44	305	2.1%	252	254	3.8%	210	114	9.9%	94	673	3.0%	557
45-49	144	1.0%	118	168	2.5%	138	69	6.0%	57	381	1.7%	313
50+	202	1.4%	28	315	4.7%	43	187	16.2%	26	704	3.1%	96
Unknown	0	0.0%	-	0	0.0%	-	1	0.1%	-	1	0.0%	-

*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
Southeastern Region - 2021**

Southeastern	Chlamydia			Gonorrhea			Syphilis			Total		
	Case	Percent	Rates	Case	Percent	Rates	Case	Percent	Rates	Case	Percent	Rates
Kenosha	808	5.5%	476	267	4.0%	157	21	1.8%	12	1,096	4.9%	646
Milwaukee	11,136	75.9%	1,176	5,635	83.6%	595	1,043	90.6%	110	17,814	78.9%	1,882
Ozaukee	137	0.9%	153	25	0.4%	28	4	0.3%	*	166	0.7%	185
Racine	1,247	8.5%	634	547	8.1%	278	42	3.6%	21	1,836	8.1%	934
Walworth	325	2.2%	312	53	0.8%	51	9	0.8%	9^	387	1.7%	372
Washington	249	1.7%	182	49	0.7%	36	10	0.9%	7^	308	1.4%	225
Waukesha	768	5.2%	189	168	2.5%	41	22	1.9%	5	958	4.2%	236
Region total	14,670	100.0%	716	6,744	100.0%	329	1,151	100.0%	56	22,565	100.0%	1,101

*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 Southeastern Region - 2021

	Primary			Secondary			Early Latent			Early Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Total	272	100%	13	282	100%	14	288	100%	14	842	100%	41
Gender												
Male	214	78.7%	21	162	57.4%	16	167	58.0%	17	543	64.5%	54
Female	57	21.0%	5	113	40.1%	11	110	38.2%	11	280	33.3%	27
Transgender Female	0	0.0%	-	7	2.5%	-	11	3.8%	-	18	2.1%	-
Transgender Male	1	0.4%	-	0	0.0%	-	0	0.0%	-	1	0.1%	-
Unknown		0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
Race/Ethnicity												
White	38	14.0%	3	40	14.2%	3	44	15.3%	3	122	14.5%	9
Black	188	69.1%	60	203	72.0%	65	189	65.6%	61	580	68.9%	187
Native American	2	0.7%	*	0	0.0%	0	3	1.0%	*	5	0.6%	*
Asian	3	1.1%	*	1	0.4%	*	2	0.7%	*	6	0.7%	8^
Hispanic	40	14.7%	16	26	9.2%	11	48	16.7%	20	114	13.5%	47
Other/Unknown	1	0.4%	-	12	4.3%	-	2	0.7%	-	15	1.8%	-
Age												
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	9	3.3%	7^	10	3.5%	7^	12	4.2%	9^	31	3.7%	22
20-24	41	15.1%	29	37	13.1%	26	51	17.7%	36	129	15.3%	91
25-29	54	19.9%	37	55	19.5%	38	60	20.8%	41	169	20.1%	116
30-34	42	15.4%	31	50	17.7%	37	55	19.1%	40	147	17.5%	108
35-39	34	12.5%	25	29	10.3%	21	32	11.1%	24	95	11.3%	70
40-44	27	9.9%	22	34	12.1%	28	26	9.0%	22	87	10.3%	72
45-49	21	7.7%	17	11	3.9%	9	20	6.9%	16	52	6.2%	43
50+	44	16.2%	6	56	19.9%	8^	31	10.8%	4	131	15.6%	18
Unknown	0	0.0%	-	0	0.0%	-	1	0.3%	-	1	0.1%	-

*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 Southeastern Region - 2021

	Early Total			Late Latent			Congenital			All Stage Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Total	842	100%	41	297	100.00%	14	12	100%	1^	1,151	100%	56
Gender												
Male	543	64.5%	54	152	51.2%	15	8	66.7%	1^	703	61.1%	70
Female	280	33.3%	27	140	47.1%	13	4	33.3%	*	424	36.8%	41
Transgender Female	18	2.1%	-	5	1.7%	-	0	0.0%	-	23	2.0%	-
Transgender Male	1	0.1%	-	0	0.0%	-	0	0.0%	-	1	0.1%	-
Unknown	0	0.0%	-	0	0.0%	-				0	0.0%	-
Race/Ethnicity												
					0.0%							
White	122	14.5%	9	65	21.9%	5	2	16.7%	*	189	16.4%	13
Black	580	68.9%	187	166	55.9%	53	5	41.7%	*	751	65.2%	242
Native American	5	0.6%	*	1	0.3%	*	1	8.3%	*	7	0.6%	70^
Asian	6	0.7%	8^	3	1.0%	*	0	0.0%	0	9	0.8%	11^
Hispanic	114	13.5%	47	57	19.2%	23	4	33.3%	*	175	15.2%	72
Other/Unknown	15	1.8%	-	5	1.7%	-	0	0.0%	-	20	1.7%	-
Age												0.0%
0-4	0	0.0%	10	0	0.0%	0	12	100.0%	10^	12	1.0%	10
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	31	3.7%	30	11	3.7%	8^	0	0.0%	0	42	3.6%	30
20-24	129	15.3%	112	30	10.1%	21	0	0.0%	0	159	13.8%	112
25-29	169	20.1%	149	49	16.5%	34	0	0.0%	0	218	18.9%	149
30-34	147	17.5%	158	69	23.2%	51	0	0.0%	0	216	18.8%	158
35-39	95	11.3%	98	38	12.8%	28	0	0.0%	0	133	11.6%	98
40-44	87	10.3%	94	27	9.1%	22	0	0.0%	0	114	9.9%	94
45-49	52	6.2%	57	17	5.7%	14	0	0.0%	0	69	6.0%	57
50+	131	15.6%	26	56	18.9%	8	0	0.0%	0	187	16.2%	26
Unknown	1	0.1%	-	0	0.0%	-	0	0.0%	-	1	0.1%	-

*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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