



# Sexually Transmitted Infections in Wisconsin, 2021

Western Region



# Wisconsin Sexually Transmitted Infections (STI) Surveillance Report

## Western Region – 2021

Despite the interruption of delivery of STI testing services due to the Covid – 19 pandemic, overall STI cases reported in Western region increased 9.3% in 2021. The most significant change observed in 2021 was an **83.3% increase in Syphilis** cases reported. In 2021, gonorrhea cases increased by 21.5% and chlamydia cases increased by 5.5%.

Table 1.

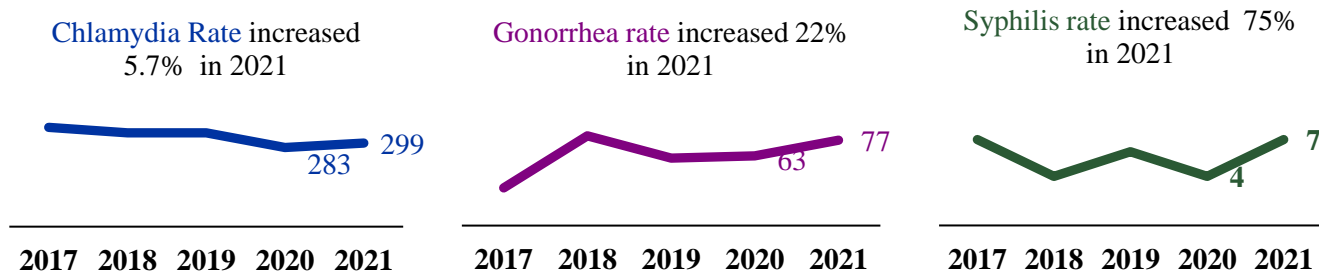
### STIs in Western region continue to rise.

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

Disease	2017		2018		2019		2020		2021	
	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates
<b>Chlamydia</b>	2,554	355	2,559	335	2,559	335	2,262	283	2387	299
<b>Gonorrhea</b>	259	34	621	81	467	61	506	63	615	77
<b>Syphilis</b>	51	7	30	4	43	6	30	4	55	7

Figure 1.

### Syphilis rate increased 75% in 2021.



### Key points:



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



Rates of chlamydia, gonorrhea, and syphilis increased 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

#### Western Region - 2021

	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
<b>Total</b>	2,387	100.0%	299	615	100.0%	77	55	100.0%	7	3,057	100.0%	383
<b>Gender</b>												
Male	732	30.7%	183	300	48.8%	75	44	80.0%	11	1,076	35.2%	269
Female	1,652	69.2%	416	314	51.1%	79	11	20.0%	3^	1,977	64.7%	498
Transgender Female	1	0.0%	-	1	0.2%	-	0	0.0%	-	2	0.1%	-
Transgender Male	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
Unknown	2	0.1%										
<b>Race/Ethnicity</b>												
White	1,736	72.7%	236	443	72.0%	60	43	78.2%	6	2,222	72.7%	302
Black	128	5.4%	1,012	89	14.5%	704	4	7.3%	*	221	7.2%	1,748
Native American	40	1.7%	532	11	1.8%	146^	4	7.3%	*	55	1.8%	731
Asian	43	1.8%	240	6	1.0%	34^	1	1.8%	*	50	1.6%	279
Hispanic	158	6.6%	678	21	3.4%	90	3	5.5%	*	182	6.0%	781
Other/Unknown	282	11.8%	-	45	7.3%	-	0	0.0%	-	327	10.7%	-
<b>Age</b>												
0-4	2	0.1%	*	0	0.0%	0	0	0.0%	0	2	0.1%	*
5-9	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
10-14	13	0.5%	25	2	0.3%	*	0	0.0%	0	15	0.5%	29
15-19	623	26.1%	1,135	63	10.2%	115	0	0.0%	0	686	22.4%	1,250
20-24	1,028	43.1%	1,700	133	21.6%	220	15	27.3%	25	1,176	38.5%	1,945
25-29	362	15.2%	769	132	21.5%	280	15	27.3%	32	509	16.7%	1,081
30-34	193	8.1%	443	118	19.2%	271	7	12.7%	16^	318	10.4%	729
35-39	89	3.7%	183	78	12.7%	160	9	16.4%	18^	176	5.8%	361
40-44	43	1.8%	95	42	6.8%	93	4	7.3%	*	89	2.9%	197
45-49	12	0.5%	26^	26	4.2%	57	0	0.0%	0	38	1.2%	83
50+	22	0.9%	7	21	3.4%	7	5	9.1%	*	48	1.6%	16

\*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 - 2021

Western	Chlamydia			Gonorrhea			Syphilis			Total		
	Case	Percent	Rates	Case	Percent	Rates	Case	Percent	Rates	Case	Percent	Rates
Barron	118	4.9%	256	29	4.7%	63	3	5.5%	*	150	4.9%	326
Buffalo	26	1.1%	193	7	1.1%	52^	0	0.0%	0	33	1.1%	245
Burnett	35	1.5%	226	8	1.3%	52^	2	3.6%	*	45	1.5%	291
Chippewa	145	6.1%	223	54	8.8%	83	5	9.1%	*	204	6.7%	314
Clark	61	2.6%	176	10	1.6%	29^	0	0.0%	0	71	2.3%	204
Douglas	153	6.4%	348	54	8.8%	123	5	9.1%	*	212	6.9%	482
Dunn	144	6.0%	320	36	5.9%	80	3	5.5%	*	183	6.0%	407
Eau Claire	413	17.3%	397	127	20.7%	122	9	16.4%	9^	549	18.0%	528
Jackson	42	1.8%	202	11	1.8%	53^	1	1.8%	*	54	1.8%	260
La Crosse	659	27.6%	552	158	25.7%	132	13	23.6%	11	830	27.2%	696
Monroe	152	6.4%	325	22	3.6%	47	5	9.1%	*	179	5.9%	383
Pepin	5	0.2%	*	3	0.5%	*	0	0.0%	0	8	0.3%	109^
Pierce	92	3.9%	217	18	2.9%	42	2	3.6%	*	112	3.7%	264
Polk	85	3.6%	192	20	3.3%	45	0	0.0%	0	105	3.4%	237
Rusk	36	1.5%	246	6	1.0%	41^	1	1.8%	*	43	1.4%	293
Saint Croix	129	5.4%	143	30	4.9%	33	2	3.6%	*	161	5.3%	178
Trempealeau	70	2.9%	234	13	2.1%	43	2	3.6%	*	85	2.8%	284
Washburn	22	0.9%	138	9	1.5%	57^	2	3.6%	*	33	1.1%	207
<b>Region total</b>	<b>2,387</b>	<b>100.0%</b>	<b>299</b>	<b>615</b>	<b>100.0%</b>	<b>77</b>	<b>55</b>	<b>100.0%</b>	<b>7</b>	<b>3,057</b>	<b>100.0%</b>	<b>382</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 Western Region- 2021

	Primary			Secondary			Early Latent			Early Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
<b>Total</b>	15	100%	2	12	100%	2^	6	100%	1	33	100%	4
<b>Gender</b>												
Male	13	86.7%	3	9	75.0%	2^	5	83.3%	*	27	81.8%	7
Female	2	13.3%	*	3	25.0%	*	1	16.7%	*	6	18.2%	2^
Transgender Female	0	0.0%	0	0	0.0%	0	0	0.0%		0	0.0%	
Transgender Male	0	0.0%	0	0	0.0%	0	0	0.0%		0	0.0%	
Unknown	0	0.0%		0	0.0%	0	0	0.0%		0	0.0%	
<b>Race/Ethnicity</b>												
White	12	80.0%	2^	10	83.3%	1	5	83.3%	*	27	81.8%	4
Black	1	6.7%	*	1	8.3%	*	0	0.0%	0	2	6.1%	*
American Indian	1	6.7%	13	1	8.3%	*	1	16.7%	*	3	9.1%	*
Asian	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
Hispanic	1	6.7%	*	0	0.0%	0	0	0.0%	0	1	3.0%	*
Other/Unknown	0	0.0%		0	0.0%							
<b>Age</b>												
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	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
20-24	3	20.0%	*	1	8.3%	*	3	50.0%	5	7	21.2%	12^
25-29	4	26.7%	*	5	41.7%	*	1	16.7%	*	10	30.3%	21^
30-34	2	13.3%	*	1	8.3%	*	1	16.7%	*	4	12.1%	*
35-39	4	26.7%	*	1	8.3%	*	1	16.7%	*	6	18.2%	12^
40-44	0	0.0%	0	3	25.0%	*	0	0.0%	0	3	9.1%	*
45-49	0	13.3%	0	0	8.3%	0	0	0.0%	0	3	9.1%	*
50+	2	0.0%	*	1	0.0%	*	0	0.0%	0	0	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 - 2021

	Early Total			Late Latent			Congenital			All Stage Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
<b>Total</b>	33	100%	4	22	100%	3	0	0%	0	55	100%	7
<b>Gender</b>												
Male	27	81.8%	7	17	77.3%	4	0	0.0%	0	44	80.0%	11
Female	6	18.2%	2^	5	22.7%	*	0	0.0%	0	11	20.0%	3^
Transgender Female	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
Transgender Male	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
Unknown	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
<b>Race/Ethnicity</b>												
White	27	81.8%	4	16	72.7%	2	0	0.0%	0	43	78.2%	6
Black	2	6.1%	*	2	9.1%	*	0	0.0%	0	4	7.3%	*
American Indian	3	9.1%	*	1	4.5%	*	0	0.0%	0	4	7.3%	*
Asian	0	0.0%	0	1	4.5%	*	0	0.0%	0	1	1.8%	*
Hispanic	1	3.0%	*	2	9.1%	*	0	0.0%	0	3	5.5%	*
Other/Unknown	0	0.0%	-	0	0.0%	-	0	0.0%	0	0	0.0%	-
<b>Age</b>												
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	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
20-24	7	21.2%	12^	8	36.4%	13^	0	0.0%	0	15	27.3%	25
25-29	10	30.3%	21^	5	22.7%	*	0	0.0%	0	15	27.3%	32
30-34	4	12.1%	*	3	13.6%	*	0	0.0%	0	7	12.7%	16^
35-39	6	18.2%	12^	3	13.6%	*	0	0.0%	0	9	16.4%	18^
40-44	3	9.1%	*	1	4.5%	*	0	0.0%	0	4	7.3%	*
45-49	3	9.1%	*	0	0.0%	0	0	0.0%	0	3	5.5%	*
50+	0	0.0%	0	2	9.1%	*	0	0.0%	0	2	3.6%	*

\*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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