



# Sexually Transmitted Infections in Wisconsin, 2021

People 15-19 years of age



# Wisconsin Sexually Transmitted Infections (STI) Surveillance Report - 2021

Despite the interruption of delivery of STI testing services due to the Covid – 19 pandemic, overall STI cases reported among adolescents increased 5% in 2021. The most significant increase observed in 2021 was a 100% increase in syphilis cases reported. In 2021, gonorrhea cases increased by 21% and chlamydia cases increased by 1%.

TABLE 1.

## STIs in Wisconsin continue to rise.

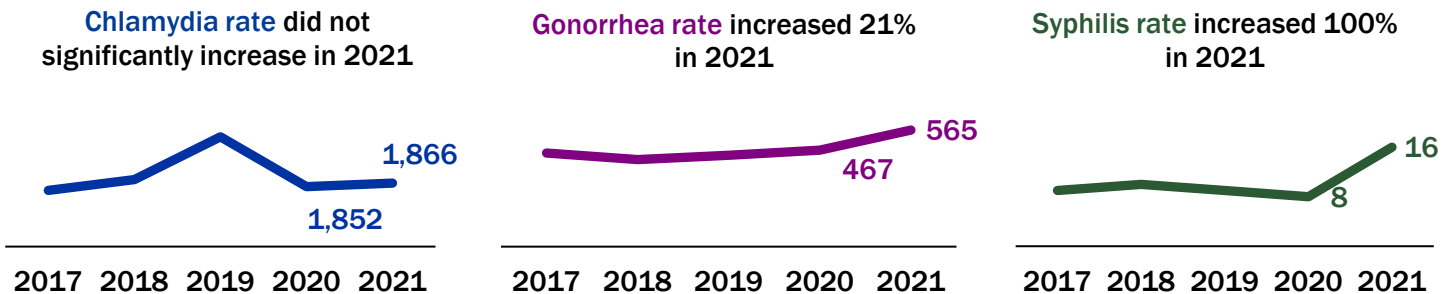
Number of STI cases and case rates per 100,000 in people 15-19 years of age Wisconsin, 2017-2021

Disease	2017		2018		2019		2020		2021	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
Chlamydia	7,303	1,836	7,482	1,881	8,197	2,061	7,015	1,852	7,073	1,866
Gonorrhea	1,806	454	1,679	422	1,761	443	1,767	467	2,140	565
Syphilis	36	9	38	10	34	9	32	8	61	16

FIGURE 1.

## Syphilis rate doubled among adolescents in 2021.

Trends in chlamydia, gonorrhea, and syphilis rates (per 100,000 people) among adolescents, Wisconsin, 2017 – 2021



# Wisconsin Sexually Transmitted Infection (STI) Surveillance Report - 2021

## Reported Cases and Rates (per 100,000 people) by Gender, Race, Ethnicity, and Age Persons 15-19 years of age

	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
<b>Total</b>	7,073	100%	1,866	2,140	100%	565	61	100%	28	9,274	100%	2,447
<b>Gender</b>												
Male	1,801	25.5%	931	885	41.4%	458	30	49.2%	16	2,716	29.3%	1,404
Female	5,260	74.4%	2,834	1,246	58.2%	671	30	49.2%	16	6,536	70.5%	3,521
Transgender Male	2	0.0%	-	3	0.1%	-	1	1.6%	-	6	0.1%	-
Transgender Female	0	0.0%	-	2	0.1%	-	0	0.0%	-	2	0.0%	-
Other/Unknown	10	0.1%	-	4	0.2%	-	0	0.0%	-	14	0.2%	-
<b>Race/Ethnicity</b>												
White	2,409	34.1%	858	328	15.3%	117	12	19.7%	4	2,749	29.6%	979
Black	2,858	40.4%	8,021	1,407	65.7%	3,949	36	59.0%	101	4,301	46.4%	12,071
Native American	78	1.1%	1,773	13	0.6%	296	0	0.0%	0	91	1.0%	2,069
Asian	94	1.3%	630	14	0.7%	94	2	3.3%	*	110	1.2%	738
Hispanic	777	11.0%	1,800	173	8.1%	401	8	13.1%	19^	958	10.3%	2,219
Other/Unknown	857	12.1%	-	205	9.6%	-	3	4.9%	*	1,065	11.5%	-
<b>Region of residence</b>												
Northeastern	1,031	14.6%	1,305	199	9.3%	252	10	16.4%	13^	1,240	13.4%	1,570
Northern	283	4.0%	959	16	0.7%	54	0	0.0%	0	299	3.2%	1,014
Southeastern	3,815	53.9%	2,645	1,536	71.8%	1,065	42	68.9%	29	5,393	58.2%	3,739
Southern	1,299	18.4%	1,819	326	15.2%	456	8	13.1%	11^	1,633	17.6%	2,287
Western	623	8.8%	1,135	63	2.9%	115	0	0.0%	0	686	7.4%	1,250
Institution**	22	0.3%	-	0	0.0%	-	1	1.6%	-	23	0.2%	-

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

\*\*Institutions' cases include cases from Federal/State facilities.

## Wisconsin Sexually Transmitted Infections (STI) Surveillance Report - 2021

### Reported Cases and Rates (per100,000 people) by Region and County

#### Persons 15-19 years of age

	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
<b>Total Case</b>	<b>7,073</b>	<b>100%</b>	<b>1,852</b>	<b>2,140</b>	<b>100%</b>	<b>565</b>	<b>61</b>	<b>100%</b>	<b>16</b>	<b>9,275</b>	<b>100%</b>	<b>2,447</b>
<b>Northeastern</b>												
Brown	277	3.9%	1,629	60	2.8%	353	2	3.3%	*	339	3.7%	1,994
Calumet	29	0.4%	773	2	0.1%	*	0	0.0%	0	31	0.3%	826
Door	7	0.1%	552^	1	0.0%	*	0	0.0%	0	8	0.1%	631^
Fond Du Lac	65	0.9%	989	12	0.6%	183	1	1.6%	*	78	0.8%	1,187
Green Lake	7	0.1%	565^	2	0.1%	*	0	0.0%	0	9	0.1%	727^
Kewaunee	8	0.1%	597^	1	0.0%	*	0	0.0%	0	9	0.1%	672^
Manitowoc	62	0.9%	1,311	8	0.4%	169^	0	0.0%	0	70	0.8%	1,480
Marinette	34	0.5%	1,441	2	0.1%	*	0	0.0%	0	36	0.4%	1,525
Marquette	5	0.1%	*	0	0.0%	0	0	0.0%	0	5	0.1%	*
Menominee	9	0.1%	2,951^	2	0.1%	*	0	0.0%	0	11	0.1%	3,607^
Oconto	23	0.3%	1,031	1	0.0%	*	0	0.0%	0	24	0.3%	1,076
Outagamie	150	2.1%	1,238	27	1.3%	223	3	4.9%	*	180	1.9%	1,486
Shawano	27	0.4%	1,077	1	0.0%	*	0	0.0%	0	28	0.3%	1,116
Sheboygan	87	1.2%	1,198	20	0.9%	275	3	4.9%	*	110	1.2%	1,515
Waupaca	38	0.5%	1,297	4	0.2%	*	0	0.0%	0	42	0.5%	1,434
Waushara	6	0.1%	451^	1	0.0%	*	0	0.0%	0	7	0.1%	527^
Winnebago	197	2.8%	1,741	55	2.6%	486	1	1.6%	*	253	2.7%	2,236
<b>Region total</b>	<b>1,031</b>	<b>14.6%</b>	<b>1,305</b>	<b>199</b>	<b>9.3%</b>	<b>252</b>	<b>10</b>	<b>16.4%</b>	<b>13</b>	<b>1,240</b>	<b>13.4%</b>	<b>1,570</b>

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## Wisconsin Sexually Transmitted Infections (STI) Surveillance Report - 2021

### Reported Cases and Rates (per100,000 people) by Region and County

#### Persons 15-19 years of age

	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
<b>Northern</b>												
Ashland	10	0.1%	1,000	0	0.0%	0	0	0.0%	0	10	0.1%	1,000
Bayfield	6	0.1%	893^	0	0.0%	0	0	0.0%	0	6	0.1%	893^
Florence	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
Forest	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
Iron	11	0.2%	4,135^	0	0.0%	0	0	0.0%	0	11	0.1%	4,135^
Langlade	11	0.2%	1,012^	0	0.0%	0	0	0.0%	0	11	0.1%	1,012^
Lincoln	22	0.3%	1,346	0	0.0%	0	0	0.0%	0	22	0.2%	1,346
Marathon	82	1.2%	959	5	0.2%	*	0	0.0%	0	87	0.9%	1,018
Oneida	10	0.1%	599^	1	0.0%	*	0	0.0%	0	11	0.1%	659^
Portage	66	0.9%	1,150	6	0.3%	105^	0	0.0%	0	72	0.8%	1,254
Price	7	0.1%	1,040^	0	0.0%	0	0	0.0%	0	7	0.1%	1,040^
Sawyer	9	0.1%	1,060^	0	0.0%	0	0	0.0%	0	9	0.1%	1,060^
Taylor	3	0.0%	*	0	0.0%	0	0	0.0%	0	3	0.0%	*
Vilas	2	0.0%	*	0	0.0%	0	0	0.0%	0	2	0.0%	*
Wood	44	0.6%	1,037	4	0.2%	*	0	0.0%	0	48	0.5%	1,131
<b>Region total</b>	<b>283</b>	<b>4.0%</b>	<b>959</b>	<b>16</b>	<b>0.7%</b>	<b>54</b>	<b>0</b>	<b>0.0%</b>	<b>0</b>	<b>299</b>	<b>3.2%</b>	<b>1,014</b>
<b>Southeastern</b>												
Kenosha	170	2.4%	1,421	64	3.0%	535	3	4.9%	*	237	2.6%	1,981
Milwaukee	2,949	41.7%	4,515	1,319	61.6%	2,020	38	62.3%	58	4,306	46.4%	6,593
Ozaukee	29	0.4%	487	4	0.2%	*	0	0.0%	0	33	0.4%	554
Racine	353	5.0%	2,877	117	5.5%	954	0	0.0%	0	470	5.1%	3,831
Walworth	91	1.3%	1,354	9	0.4%	134^	0	0.0%	0	100	1.1%	1,488
Washington	56	0.8%	644	6	0.3%	69^	1	1.6%	*	63	0.7%	725
Waukesha	167	2.4%	618	17	0.8%	63	0	0.0%	0	184	2.0%	681
<b>Region total</b>	<b>3,815</b>	<b>53.9%</b>	<b>2,766</b>	<b>1,536</b>	<b>71.8%</b>	<b>1,114</b>	<b>42</b>	<b>68.9%</b>	<b>30</b>	<b>5,393</b>	<b>58.1%</b>	<b>3,910</b>

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## Wisconsin Sexually Transmitted Infections (STI) Surveillance Report - 2021 Reported Cases and Rates (per100,000 people) by Region and County Persons 15-19 years of age

	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rate	Cases	Percent	Rate*
<b>Southern</b>												
Adams	8	0.1%	964^	3	0.1%	*	0	0.0%	0	11	0.1%	1,325^
Columbia	29	0.4%	824	5	0.2%	*	1	1.6%	*	35	0.4%	995
Crawford	9	0.1%	969^	0	0.0%	0	0	0.0%	0	9	0.1%	969^
Dane	707	10.0%	2,215	220	10.3%	689	4	6.6%	*	931	10.0%	2,916
Dodge	52	0.7%	985	4	0.2%	*	1	1.6%	*	57	0.6%	1,080
Grant	27	0.4%	584	0	0.0%	0	0	0.0%	0	27	0.3%	584
Green	19	0.3%	821	1	0.0%	*	0	0.0%	0	20	0.2%	864
Iowa	9	0.1%	617^	0	0.0%	0	0	0.0%	0	9	0.1%	617^
Jefferson	50	0.7%	795	8	0.4%	127^	0	0.0%	0	58	0.6%	923
Juneau	35	0.5%	2,417	1	0.0%	*	1	1.6%	*	37	0.4%	2,555
Lafayette	8	0.1%	677^	0	0.0%	0	0	0.0%	0	8	0.1%	677^
Richland	19	0.3%	1,597	2	0.1%	*	1	1.6%	*	22	0.2%	1,849
Rock	242	3.4%	2,246	71	3.3%	659	0	0.0%	0	313	3.4%	2,905
Sauk	70	1.0%	1,844	10	0.5%	263	0	0.0%	0	80	0.9%	2,107
Vernon	15	0.2%	696	1	0.0%	*	0	0.0%	0	16	0.2%	742
<b>Region total</b>	<b>1,299</b>	<b>18.4%</b>	<b>1,672</b>	<b>326</b>	<b>15.2%</b>	<b>420</b>	<b>8</b>	<b>13.1%</b>	<b>10^</b>	<b>1,633</b>	<b>17.6%</b>	<b>2,102</b>

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# Wisconsin Sexually Transmitted Infections (STI) Surveillance Report - 2021

## Reported Cases and Rates (per100,000 people) by Region and County

### Persons 15-19 years of age

	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
<b>Western</b>												
Barron	31	0.4%	1,196	1	0.0%	*	0	0.0%	0	32	0.3%	1,234
Buffalo	12	0.2%	1,604	0	0.0%	0	0	0.0%	0	12	0.1%	1,604
Burnett	13	0.2%	1,738	0	0.0%	0	0	0.0%	0	13	0.1%	1,738
Chippewa	43	0.6%	1,105	0	0.0%	0	0	0.0%	0	43	0.5%	1,105
Clark	9	0.1%	353^	2	0.1%	*	0	0.0%	0	11	0.1%	432^
Douglas	37	0.5%	1,452	4	0.2%	*	0	0.0%	0	41	0.4%	1,609
Dunn	28	0.4%	719	5	0.2%	*	0	0.0%	0	33	0.4%	848
Eau Claire	91	1.3%	1,116	13	0.6%	159	0	0.0%	0	104	1.1%	1,276
Jackson	6	0.1%	493^	0	0.0%	0	0	0.0%	0	6	0.1%	493^
La Crosse	178	2.5%	1,985	19	0.9%	212	0	0.0%	0	197	2.1%	2,197
Monroe	48	0.7%	1,575	4	0.2%	*	0	0.0%	0	52	0.6%	1,707
Pepin	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
Pierce	27	0.4%	753	3	0.1%	*	0	0.0%	0	30	0.3%	837
Polk	29	0.4%	1,061	2	0.1%	*	0	0.0%	0	31	0.3%	1,134
Rusk	14	0.2%	1,659	3	0.1%	*	0	0.0%	0	17	0.2%	2,014
Saint Croix	34	0.5%	539	3	0.1%	*	0	0.0%	0	37	0.4%	587
Trempealeau	12	0.2%	650	0	0.0%	0	0	0.0%	0	12	0.1%	650
Washburn	11	0.2%	1,368^	4	0.2%	*	0	0.0%	0	15	0.2%	1,866
<b>Region total</b>	<b>623</b>	<b>8.8%</b>	<b>1,135</b>	<b>63</b>	<b>2.9%</b>	<b>115</b>	<b>0</b>	<b>0.0%</b>	<b>**</b>	<b>686</b>	<b>7.4%</b>	<b>1,250</b>
<b>All Regions</b>	<b>7,051</b>	<b>99.7%</b>	<b>1,860</b>	<b>2,140</b>	<b>100.0%</b>	<b>565</b>	<b>60</b>	<b>100.0%</b>	<b>16</b>	<b>9,251</b>	<b>100%</b>	<b>9,844.34</b>
<b>Institutions**</b>	<b>22</b>	<b>0.3%</b>	<b>-</b>	<b>0</b>	<b>0.0%</b>	<b>-</b>	<b>1</b>	<b>1.6%</b>	<b>-</b>	<b>23</b>	<b>0.2%</b>	<b>-</b>
<b>All Regions plus institutions</b>	<b>7,073</b>	<b>100%</b>	<b>-</b>	<b>2,140</b>	<b>100%</b>	<b>-</b>	<b>61</b>	<b>100%</b>	<b>-</b>	<b>9,274</b>	<b>100%</b>	<b>-</b>

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## Wisconsin Syphilis Surveillance Report - Reported Cases and Rates (per 100,000 people) by Stage of Infection, Gender, Race, Ethnicity, and Age Persons 15-19 years of age - 2021

	Primary			Secondary			Early non-primary non-secondary			Early Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates*
<b>Total</b>	16	100%	4	11	100%	3 <sup>^</sup>	18	100%	5	45	100%	12
<b>Gender</b>												
Male	11	68.8%	6 <sup>^</sup>	3	27.3%	*	10	55.6%	5 <sup>^</sup>	24	53.3%	12
Female	5	31.3%	*	7	63.6%	4 <sup>^</sup>	8	0.44	4 <sup>^</sup>	20	44.4%	11
Transgender Female	0	0.0%	-	1	9.1%	-	0	0.0%	-	1	2.2%	*
Transgender Male	0	0.0%	-	0	0.0%	-	0	0.00	-	0	0.0%	-
Unknown	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
<b>Race/Ethnicity</b>												
White	3	18.8%	*	1	9.1%	*	4	22.2%	*	8	17.8%	3 <sup>^</sup>
Black	10	62.5%	28 <sup>^</sup>	9	81.8%	25 <sup>^</sup>	10	55.6%	28 <sup>^</sup>	29	64.4%	81
Native American	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
Asian	1	6.3%	*	0	0.0%	0	0	0.0%	0	1	2.2%	*
Hispanic	2	12.5%	*	0	0.0%	0	4	22.2%	*	6	13.3%	14 <sup>^</sup>
Other/Unknown	0	0.0%	-	1	9.1%	-	0	0%	0	1	4.4%	*
<b>Region of residence</b>												
Northeastern	5	31.3%	*	0	0.0%	0	2	11.1%	*	7	15.6%	9 <sup>^</sup>
Northern	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
Southeastern	9	56.3%	6 <sup>^</sup>	10	91%	7 <sup>^</sup>	12	67%	8	31	68.9%	21
Southern	2	12.5%	*	1	9.1%	*	4	22.2%	*	7	15.6%	10 <sup>^</sup>
Western	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0

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# Wisconsin Syphilis Surveillance Report - Reported Cases and Rates (per 100,000 people) by Stage of Infection, Gender, Race, Ethnicity, and Age Persons 15-19 years of age - 2021

	Early Total			Late Latent			Congenital			All Stages Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
<b>Total</b>	45	100%	12	16	100%	4	0	0%	0	61	100%	16
<b>Gender</b>												
Male	24	53.3%	12	6	37.5%	3^	0	0.0%	0	30	49.2%	16
Female	20	44.4%	11	10	62.5%	5^	0	0.0%	0	30	49.2%	16
Transgender Female	1	2.2%	-	0	6.3%	-	0	0.0%	-	1	3.3%	-
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	8	17.8%	3^	5	31.3%	*	0	0.0%	0	13	21.3%	5
Black	29	64.4%	81	7	43.8%	20^	0	0.0%	0	36	59.0%	101
Native American	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
Asian	1	2.2%	*	2	12.5%	*	0	0.0%	0	3	4.9%	*
Hispanic	6	13.3%	14^	2	12.5%	*	0	0.0%	0	8		19^
Other/Unknown	1	2.2%	-	0	0.0%	-	0	0.0%	-	1	1.6%	-
<b>Region of residence</b>												
Northeastern	7	15.6%	9^	3	18.8%	*	0	0.0%	0	10	16.4%	13^
Northern	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
Southeastern	31	68.9%	21	11	68.8%	8^	0	0.0%	0	42	68.9%	29
Southern	7	15.6%	10^	1	6.3%	*	0	0.0%	0	8	13.1%	11^
Western	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
Institution**	0	0.0%	-	1	6.3%	-	0	0.0%	0	1	1.6%	-

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\*\*Institutions' cases include cases from Federal/State institutions.

## 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 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 the 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 included, and geographic region for these cases are assigned as institution.
6. Cases residing outside Wisconsin are not included in this report.
6. 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.
7. 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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