



Sexually Transmitted Infections in Wisconsin, 2022

People 15-19 years of age



Wisconsin Sexually Transmitted Infections (STI) Surveillance Report

People aged 15-19, 2022

The overall STI (Chlamydia, Gonorrhea, and Syphilis) cases reported among adolescents **decreased 8%** in 2022 compared to 2021 (from 9,274 in 2021 to 8,514 in 2022). However, the rate of reported cases of syphilis (all stages) **increased 25%** among adolescents in 2022 (from 61 in 2021 to 76 in 2022). The reported cases of chlamydia among people aged 15-19 **decreased by 6%** in 2022 (7,073 cases in 2021 to 6,650 cases in 2022), likewise the reported cases of gonorrhea among people aged 15-19 **decreased 16%** in 2022 (2,140 cases in 2021 to 1,788 cases in 2022).

In contrast, the reported cases of syphilis **increased by 25%** in 2022 (61 cases in 2021 to 76 cases in 2022).

TABLE 1.

STIs in Wisconsin continue to rise.

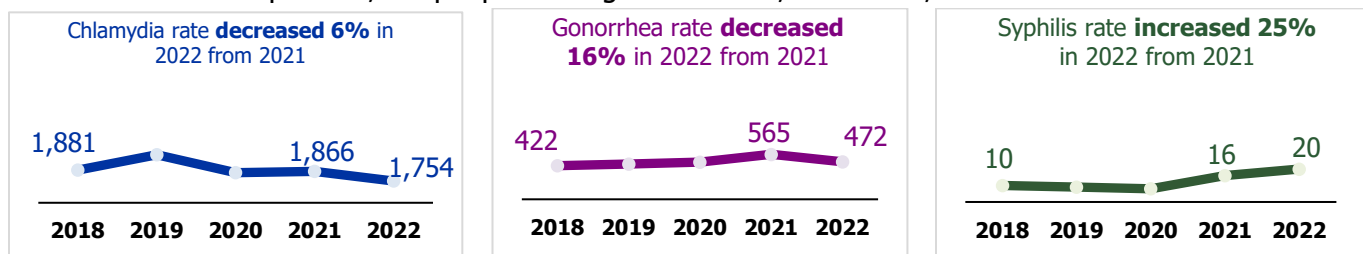
Number of STI cases and rates per 100,000 in people 15-19 years of age in Wisconsin, 2018-2022

Disease	2018		2019		2020		2021		2022	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
Chlamydia	7,482	1,881	8,197	2,061	7,015	1,852	7,073	1,866	6,650	1,754
Gonorrhea	1,679	422	1,761	443	1,767	467	2,140	565	1,788	472
Syphilis	38	10	34	9	32	8	61	16	76	20

FIGURE 1.

Syphilis rate doubled among adolescents in 2022.

Trends of STI rates per 100,000 people among adolescents, Wisconsin, 2018 – 2022



Key points:



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



Rates of chlamydia and gonorrhea decreased in 2022 among adolescents, but syphilis rate increased 25% in 2022.



The most vulnerable populations include men and women between ages 15-19 and 20-35.

Wisconsin Sexually Transmitted Infection (STI) Surveillance Report

Reported Cases and Rates per 100,000 people by Gender, Race, Ethnicity, and Age

Persons 15-19 years of age - 2022

	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Total	6,650	100%	1,754	1,788	100%	472	76	100%	20	8,514	100%	2,246
Gender												
Male	1,756	26%	908	695	39%	359	39	51%	20	2,490	29%	1,287
Female	4,871	73%	2,624	1,091	61%	588	37	49%	20	5,999	70%	3,232
Transgender Male	4	0%	-	2	0%	-	0	0%	-	6	0%	-
Transgender Female	3	0%	-	0	0%	-	0	0%	-	3	0%	-
Other/Unknown	16	0%	-	0	0%	-	0	0%	-	16	0%	-
Race/Ethnicity												
White	2,359	35%	840	240	13%	85	14	18%	5	2,613	31%	930
Black	2,625	39%	7,367	1,304	73%	3,660	49	64%	138	3,978	47%	11,165
Native American	91	1%	2,069	14	1%	318	0	0%	0	105	1%	2,387
Asian	102	2%	684	7	0%	47^	0	0%	0	109	1%	731
Hispanic	805	12%	1,865	156	9%	361	10	13%	23^	971	11%	2,249
Other/Unknown	668	10%	-	67	4%	-	3	4%	-	738	9%	-
Region of residence												
Northeastern	969	15%	1,227	132	7%	167	7	9%	9^	1,108	13%	1,402
Northern	287	4%	973	15	1%	51	2	3%	*	304	4%	1,031
Southeastern	3,706	56%	2,570	1,403	78%	973	56	74%	39	5,165	61%	3,581
Southern	1,109	17%	1,553	179	10%	251	4	5%	*	1,292	15%	1,809
Western	562	8%	1,024	58	3%	106	5	7%	*	625	7%	1,139
Institution**	17	0%	-	1	0%	NA	2	3%	-	20	0%	-

*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

Reported Cases and Rates per100,000 people by Region and County

Persons 15-19 years of age - 2022

	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Total Case	6,650	100%	1,754	1,788	100%	472	76	100%	20	8,514	100%	2,246
Northeastern												
Brown	309	4.6%	1817	50	2.8%	294	4	5.3%	*	363	4.3%	2135
Calumet	16	0.2%	427	2	0.1%	*	0	0.0%	0	18	0.2%	480
Door	9	0.1%	710^	0	0.0%	0	0	0.0%	0	9	0.1%	710^
Fond Du Lac	76	1.1%	1157	14	0.8%	213	0	0.0%	0	90	1.1%	1370
Green Lake	7	0.1%	565^	0	0.0%	0	0	0.0%	0	7	0.1%	565^
Kewaunee	6	0.1%	448^	1	0.1%	*	0	0.0%	0	7	0.1%	522^
Manitowoc	49	0.7%	1036	7	0.4%	148^	0	0.0%	0	56	0.7%	1184
Marinette	26	0.4%	1102	3	0.2%	*	0	0.0%	0	29	0.3%	1229
Marquette	8	0.1%	1065^	1	0.1%	*	0	0.0%	0	9	0.1%	1198^
Menominee	14	0.2%	4590	0	0.0%	0	0	0.0%	0	14	0.2%	4590
Oconto	32	0.5%	1434	0	0.0%	0	0	0.0%	0	32	0.4%	1434
Outagamie	147	2.2%	1213	12	0.7%	99	0	0.0%	0	159	1.9%	1312
Shawano	25	0.4%	997	2	0.1%	*	0	0.0%	0	27	0.3%	1077
Sheboygan	83	1.2%	1143	14	0.8%	193	1	1.3%	*	98	1.2%	1349
Waupaca	19	0.3%	649	1	0.1%	*	0	0.0%	0	20	0.2%	683
Waushara	6	0.1%	451^	0	0.0%	0	0	0.0%	0	6	0.1%	451^
Winnebago	137	2.1%	1211	25	1.4%	221	2	2.6%	*	164	1.9%	1450
Region total	969	14.6%	1227	132	7.4%	167	7	9.2%	9^	1108	13.0%	1402

*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 per 100,000 people by region and County

Persons 15-19 years of age - 2022

	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Northern												
Ashland	12	0.2%	1200	2	0.1%	*	0	0.0%	0	14	0.2%	1400
Bayfield	3	0.0%	*	0	0.0%	0	0	0.0%	0	3	0.0%	*
Florence	1	0.0%	*	0	0.0%	0	0	0.0%	0	1	0.0%	*
Forest	4	0.1%	*	0	0.0%	0	0	0.0%	0	4	0.0%	*
Iron	2	0.0%	*	0	0.0%	0	0	0.0%	0	2	0.0%	*
Langlade	7	0.1%	644^	0	0.0%	0	0	0.0%	0	7	0.1%	644^
Lincoln	18	0.3%	1101	1	0.1%	*	0	0.0%	0	19	0.2%	1162
Marathon	86	1.3%	1006	4	0.2%	*	0	0.0%	0	90	1.1%	1053
Oneida	12	0.2%	719	1	0.1%	*	0	0.0%	0	13	0.2%	779
Portage	56	0.8%	975	1	0.1%	*	1	1.3%	*	58	0.7%	1010
Price	0	0.2%	1932	0	0.0%	0	0	0.0%	0	0	0.0%	0
Sawyer	13	0.1%	1060	0	0.0%	0	0	0.0%	0	13	0.2%	1531
Taylor	9	0.1%	449^	1	0.1%	*	0	0.0%	0	10	0.1%	748^
Vilas	6	0.9%	5626^	1	0.1%	*	0	0.0%	0	7	0.1%	679^
Wood	58	4.3%	6762	4	0.2%	*	1	1.3%	*	63	0.7%	1484
Region total	287	0.0%	973	15	0.8%	51	2	2.6%	*	304	3.6%	1031
Southeastern												
Kenosha	183	2.8%	1529	33	1.8%	276	1	1.3%	*	217	2.5%	1814
Milwaukee	2862	43.0%	4382	1222	68.3%	1871	44	57.9%	67	4128	48.5%	6321
Ozaukee	33	0.5%	554	2	0.1%	*	1	1.3%	*	36	0.4%	605
Racine	334	5.0%	2723	108	6.0%	880	6	7.9%	49^	448	5.3%	3652
Walworth	77	1.2%	1146	5	0.3%	*	0	0.0%	0	82	1.0%	1220
Washington	46	0.7%	529	9	0.5%	104^	1	1.3%	*	56	0.7%	644
Waukesha	171	2.6%	633	24	1.3%	89	3	3.9%	*	198	2.3%	732
Region total	3706	55.7%	2687	1403	78.5%	1017	56	73.7%	41	5165	60.7%	3744

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Wisconsin Sexually Transmitted Infections (STI) Surveillance Report

Reported Cases and Rates per100,000 people by Region and County

Persons 15-19 years of age - 2022

	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rate	Cases	Percent	Rate*
Southern												
Adams	18	0.3%	2169	1	0.1%	*	0	0.0%	0	19	0.2%	2289
Columbia	34	0.5%	966	1	0.1%	*	0	0.0%	0	35	0.4%	995
Crawford	4	0.1%	*	0	0.0%	0	0	0.0%	0	4	0.0%	*
Dane	607	9.1%	1901	115	6.4%	360	3	3.9%	*	725	8.5%	2271
Dodge	38	0.6%	720	2	0.1%	*	1	1.3%	*	41	0.5%	777
Grant	31	0.5%	671	2	0.1%	*	0	0.0%	0	33	0.4%	714
Green	28	0.4%	1210	2	0.1%	*	0	0.0%	0	30	0.4%	1296
Iowa	10	0.2%	685^	0	0.0%	0	0	0.0%	0	10	0.1%	685^
Jefferson	49	0.7%	779	6	0.3%	95^	0	0.0%	0	55	0.6%	875
Juneau	29	0.4%	2003	1	0.1%	*	0	0.0%	0	30	0.4%	2072
Lafayette	6	0.1%	508^	0	0.0%	0	0	0.0%	0	6	0.1%	508^
Richland	15	0.2%	1261	0	0.0%	0	0	0.0%	0	15	0.2%	1261
Rock	186	2.8%	1727	47	2.6%	436	0	0.0%	0	233	2.7%	2163
Sauk	37	0.6%	975	0	0.0%	0	0	0.0%	0	37	0.4%	975
Vernon	17	0.3%	789	2	0.1%	*	0	0.0%	0	19	0.2%	882
Region total	1109	16.7%	1427	179	10.0%	230	4	5.3%	*	1292	15.2%	1663

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Wisconsin Sexually Transmitted Infections (STI) Surveillance Report

Reported Cases and Rates per100,000 people by Region and County

Persons 15-19 years of age - 2022

	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Western												
Barron	24	0.4%	926	1	0.1%	*	0	0.0%	0	25	0.3%	964
Buffalo	3	0.0%	*	0	0.0%	0	0	0.0%	0	3	0.0%	*
Burnett	5	0.1%	*	0	0.0%	0	0	0.0%	0	5	0.1%	*
Chippewa	31	0.5%	797	4	0.2%	*	1	1.3%	*	36	0.4%	925
Clark	16	0.2%	628	0	0.0%	0	0	0.0%	0	16	0.2%	628
Douglas	36	0.5%	1413	3	0.2%	*	0	0.0%	0	39	0.5%	1531
Dunn	39	0.6%	1002	3	0.2%	*	1	1.3%	*	43	0.5%	1105
Eau Claire	78	1.2%	957	14	0.8%	172^	0	0.0%	0	92	1.1%	1128
Jackson	9	0.1%	740^	1	0.1%	*	0	0.0%	0	10	0.1%	822^
La Crosse	161	2.4%	1795	21	1.2%	234	2	2.6%	*	184	2.2%	2052
Monroe	35	0.5%	1149	5	0.3%	*	0	0.0%	0	40	0.5%	1313
Pepin	1	0.0%	*	0	0.0%	0	0	0.0%	0	1	0.0%	*
Pierce	34	0.5%	948	0	0.0%	0	0	0.0%	0	34	0.4%	948
Polk	21	0.3%	768	2	0.1%	*	0	0.0%	0	23	0.3%	841
Rusk	2	0.0%	*	0	0.0%	0	0	0.0%	0	2	0.0%	*
Saint Croix	41	0.6%	650	3	0.2%	*	1	1.3%	*	45	0.5%	713
Trempealeau	21	0.3%	1137	1	0.1%	*	0	0.0%	0	22	0.3%	1191
Washburn	5	0.1%	*	0	0.0%	0	0	0.0%	0	5	0.1%	*
Region total	562	8.5%	1024	58	3.2%	106	5	6.6%	*	625	7.3%	1139
All Regions	6,633	100%	1,750	1,787	1	471	74	1	20	8,494	1	8979
Institutions**	17	0.3%	-	1	0.6%	-	2	2.6%	-	20	0.2%	-
All Regions plus institutions	6,650	100%	1,754	1,788	100%	472	76	100%	20	8,514	100%	2,246

**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 Persons 15-19 years of age - 2022

	Primary			Secondary			Early non-primary non-secondary			Early Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates*
Total	15	100%	4	14	100%	4	18	100%	5	47	100%	12
Gender												
Male	10	67%	5^	6	43%	3^	7	39%	4^	23	49%	12
Female	5	33%	*	5	36%	*	11	61%	6^	21	45%	11
Transgender Female	0	0%	-	0	0%	-	0	0%	-	0	0%	-
Transgender Male	0	0%	-	0	0%	-	0	0%	-	0	0%	-
Unknown	0	0%	-	0	0%	-	0	0%	-	0	0%	-
Race/Ethnicity												
White	1	7%	*	5	36%	*	1	6%	*	7	15%	2^
Black	11	73%	31^	8	57%	22^	14	78%	39	33	70%	93
Native American	0	0%	0	0	0%	0	0	0%	0	0	0%	0
Asian	0	0%	0	0	0%	0	0	0%	0	0	0%	0
Hispanic	2	13%	*	1	7%	*	3	17%	*	6	13%	14^
Other/Unknown	1	7%	-	0	0%	-	0	0%	-	1	2%	-
Region of residence												
Northeastern	2	13%	*	1	7%	*	1	6%	*	4	9%	*
Northern	0	0%	0	1	7%	*	0	0%	0	1	2%	*
Southeastern	12	80%	8^	1	7%	*	17	94%	12	30	64%	21
Southern	1	7%	*	9	64%	13	0	0%	0	10	21%	14^
Western	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 - 2022

	Early Total			Late Latent			Congenital			All Stages Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Total	47	100%	12	29	100%	8	0	0%	0	76	100%	20
Gender												
Male	23	49%	12	13	45%	7	0	0.0%	0	36	47%	19
Female	21	45%	11	16	55%	9	0	0.0%	0	37	49%	20
Transgender												
Female	0	0%	NA	0	0%	-	0	0.0%	-	0	0%	-
Transgender Male	0	0%	NA	0	0%	-	0	0.0%	-	0	0%	-
Unknown	0	0%	NA	0	0%	-	0	0.0%	-	0	0%	-
Race/Ethnicity												
White	7	15%	2^	7	24%	2^	0	0.0%	0	14	18%	5
Black	33	70%	93	16	55%	45	0	0.0%	0	49	64%	138
Native American	0	0%	0	0	0%	0	0	0.0%	0	0	0%	0
Asian	0	0%	0	0	0%	0	0	0.0%	0	0	0%	0
Hispanic	6	13%	14^	4	14%	*	0	0.0%	0	10	13%	23^
Other/Unknown	1	2%	-	2	7%	-	0	0.0%	-	3	4%	-
Region of residence												
Northeastern	4	9%	*	3	10%	*	0	0.0%	0	7	9%	9^
Northern	1	2%	*	1	3%	*	0	0.0%	0	2	3%	*
Southeastern	30	64%	21	18	62%	12	0	0.0%	0	48	63%	33
Southern	10	21%	14^	3	10%	*	0	0.0%	0	13	17%	18
Western	0	0%	0	3	10%	*	0	0.0%	0	3	4%	*
Institutions**	2	4%	-	1	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 and cases with unknown states 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.

For more information, contact: Wisconsin STI Unit
1 West Wilson Street
PO Box 2659
Madison, WI 53701-2659
Telephone: 608-266-8479