



Sexually Transmitted Infections in Wisconsin, 2022

People 20-24 years of age

Wisconsin Department of Health Services | Division of Public Health | STI Unit

P-00412A (07/2023)



Wisconsin Sexually Transmitted Infections (STI) Surveillance Report

2022 in Person 20 – 24 Years of Age

Overall, reported cases of sexually transmitted infections (chlamydia, gonorrhea, and syphilis) among aged 20-24 **decreased 9%** in 2022 (13,324 cases in 2021 to 12,131 cases in 2022). Reported cases of gonorrhea among people aged 20-24 **decreased by 11%** (2,730 cases in 2021 to 2,442 cases in 2022), similarly reported cases of chlamydia among people aged 20-24 **decreased by 9%** (10,354 cases in 2021 to 9,429 cases in 2022). Unlike chlamydia and gonorrhea, the reported cases of syphilis (all stages) among people aged 20-24 also **increased by 9%** in 2022 (239 cases in 2021 and 260 cases in 2022).

Table 1.

Syphilis among young adults continue to rise.

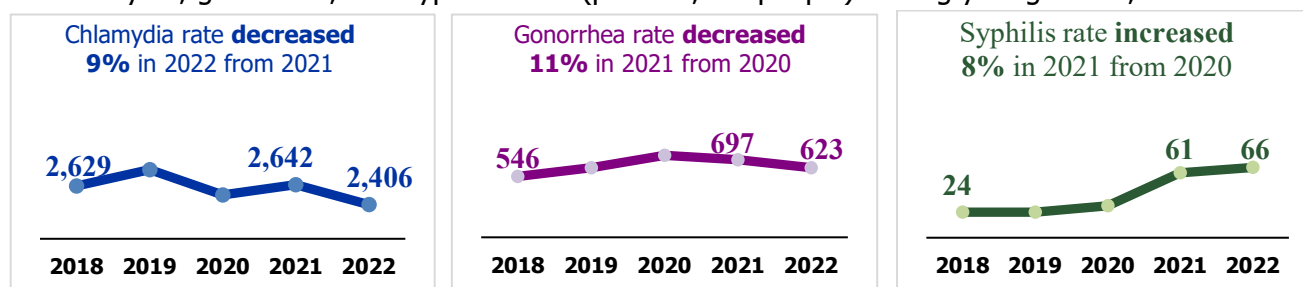
Number of Reported STI Cases and Rates (per 100,000 people) in Persons 20-24 years of age Wisconsin, 2018-2022

Disease	2018		2019		2020		2021		2022	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
Chlamydia	10,328	2,629	11,091	28,23	9,876	2,521	10,354	2,642	9,429	2,406
Gonorrhea	2144	546	2,451	624	2,881	735	2,731	697	2,442	623
Syphilis	96	24	95	24	117	30	239	61	260	66

FIGURE 1.

Syphilis rate increased 8% among young adults in 2022.

Trends in chlamydia, gonorrhea, and syphilis rates (per 100,000 people) among young adults, 2018 – 2021



Key Points:



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



Rates of syphilis (all stages) increased in 2022 among young adults in Wisconsin.



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

Wisconsin Sexually Transmitted Infection (STI) Surveillance Report – 2022

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

Persons 20-24 years of age

	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Total	9,429	100%	2,406	2,442	100%	623	260	100%	66	12,131	100%	3,096
Gender												
Male	2,941	31%	1,475	1,144	47%	574	150	58%	75	4,235	35%	2,124
Female	6,456	68%	3,355	1,292	53%	671	103	40%	54	7,851	65%	4,080
Transgender Female	3	0%	-	1	0%	-	1	0%	-	5	0%	-
Transgender Male	5	0%	-	3	0%	-	5	2%	-	13	0%	-
Unknown	24	0%	-	2	0%	-	1	0%	-	27	0%	-
Race/Ethnicity												
White	4,054	43%	1,382	472	19%	161	60	23%	20	4,586	38%	1,563
Black	3,177	34%	8,291	1,565	64%	4,084	150	58%	391	4,892	40%	12,766
Native American	141	1%	3,425	24	1%	583	4	2%	*	169	1%	4,105
Asian	189	2%	1,040	21	1%	116	6	2%	33^	216	2%	1,189
Hispanic	1,374	15%	3,630	261	11%	689	36	14%	95	1,671	14%	4,414
Other/Unknown	494	5%	-	99	4%	-	4	2%	-	597	5%	-
Region of residence												
Northeastern	1,505	16%	2,100	193	8%	269	25	10%	35	1,723	14%	2,405
Northern	468	5%	1,675	34	1%	122	6	2%	21^	508	4%	1,818
Southeastern	4,733	50%	3,219	1,820	75%	1,238	189	73%	129	6,742	56%	4,586
Southern	1,727	18%	2,036	303	12%	357	22	8%	26	2,052	17%	2,420
Western	955	10%	1,580	87	4%	144	15	6%	25	1,057	9%	1,748
Institutions**	41	0%	-	5	0%	-	3	1%	-	49	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 20-24 years of age, 2022

	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
All Regions	9,429	100%	2,406	2,442	100%	623	260	100%	66	12,131	100%	3,096
Northeastern												
Brown	445	4.7%	2,830	66	2.7%	420	11	4.2%	70^	522	4.3%	3,320
Calumet	22	0.2%	821	2	0.1%	*	0	0.0%	0	24	0.2%	895
Door	16	0.2%	1,509	0	0.0%	0	0	0.0%	0	16	0.1%	1,509
Fond Du Lac	105	1.1%	1,905	29	1.2%	526	0	0.0%	0	134	1.1%	2,431
Green Lake	13	0.1%	1,432	2	0.1%	*	1	0.4%	*	16	0.1%	1,762
Kewaunee	17	0.2%	1,668	3	0.1%	*	0	0.0%	0	20	0.2%	1,963
Manitowoc	62	0.7%	1,574	4	0.2%	*	0	0.0%	0	66	0.5%	1,675
Marinette	42	0.4%	2,183	2	0.1%	*	2	0.8%	*	46	0.4%	2,391
Marquette	3	0.0%	*	2	0.1%	*	0	0.0%	0	5	0.0%	*
Menominee	16	0.2%	6,612	0	0.0%	0	0	0.0%	0	16	0.1%	6,612
Oconto	33	0.3%	1,915	2	0.1%	*	0	0.0%	0	35	0.3%	2,031
Outagamie	223	2.4%	2,119	19	0.8%	181	4	1.5%	*	246	2.0%	2,338
Shawano	35	0.4%	1,757	2	0.1%	*	0	0.0%	0	37	0.3%	1,857
Sheboygan	140	1.5%	2,226	24	1.0%	382	3	1.2%	*	167	1.4%	2,655
Waupaca	39	0.4%	1,636	1	0.0%	*	0	0.0%	0	40	0.3%	1,678
Waushara	14	0.1%	1,269	0	0.0%	0	1	0.4%	*	15	0.1%	1,360
Winnebago	280	3.0%	2,001	35	1.4%	250	3	1.2%	*	318	2.6%	2,272
Region total	1,505	16.0%	2,100	193	7.9%	269	25	9.6%	35	1,723	14.2%	37,238

*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 Region and County

Persons 20-24 years of age, 2022

	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Northern												
Ashland	17	0.2%	1,974	1	0.0%	*	0	0.0%	0	18	0.1%	2,091
Bayfield	5	0.1%	*	0	0.0%	0	1	0.4%	*	6	0.0%	1,107^
Florence	1	0.0%	*	0	0.0%	0	0	0.0%	0	1	0.0%	*
Forest	9	0.1%	2,013^	1	0.	*	0	0.0%	0	10	0.1%	2,237^
Iron	7	0.1%	3,084^	0	0.0%	0	0	0.0%	0	7	0.1%	3,084^
Langlade	9	0.1%	1,012^	1	0.0%	*	0	0.0%	0	10	0.1%	1,125^
Lincoln	23	0.2%	1,638	2	0.1%	*	0	0.0%	0	25	0.2%	1,781
Marathon	134	1.4%	1,864	9	0.4%	125^	2	0.8%	*	145	1.2%	2,017
Oneida	21	0.2%	1,499	2	0.1%	*	0	0.0%	0	23	0.2%	1,642
Portage	123	1.3%	1,488	6	0.2%	73^	2	0.8%	*	131	1.1%	1,585
Price	6	0.1%	1147^	1	0.0%	*	0	0.0%	0	7	0.1%	1,338^
Sawyer	15	0.2%	2,219	1	0.0%	*	1	0.4%	*	17	0.1%	2,515
Taylor	13	0.1%	1,419	0	0.0%	0	0	0.0%	0	13	0.1%	1,419
Vilas	7	0.1%	904^	1	0.0%	*	0	0.0%	0	8	0.1%	1,034^
Wood	78	0.8%	2,117	9	0.4%	244^	0	0.0%	0	87	0.7%	2,362
Region total	468	5.0%	1,675	34	1.4%	122	6	2.3%	21^	508	4.2%	1,818
Southeaster n												
Kenosha	278	2.9%	2,605	64	2.6%	600	5	1.9%	*	347	2.9%	3,251
Milwaukee	3512	37.2%	4,505	1560	63.9%	2,001	161	61.9%	207	5,233	43.1%	6,713
Ozaukee	50	0.5%	1,040	7	0.3%	146^	4	1.5%	*	61	0.5%	1,269
Racine	394	4.2%	3,587	124	5.1%	1,129	12	4.6%	109	530	4.4%	4,825
Walworth	168	1.8%	1,936	15	0.6%	173	1	0.4%	*	184	1.5%	2,120
Washington	62	0.7%	872	12	0.5%	169	0	0.0%	0	74	0.6%	1,040
Waukesha	269	2.9%	1,229	38	1.6%	174	6	2.3%	27^	313	2.6%	1,430
Region total	4,733	50.2%	3,331	1,820	74.5%	1,281	189	72.7%	133	6,742	55.6%	4,745

*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 Region and County

Persons 20-24 years of age, 2022

	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rate	Cases	Percent	Rate*
Southern												
Adams	10	0.1%	1,290^	1	0.0%	*	0	0.0%	0	11	0.1%	1,419^
Columbia	59	0.6%	2,003	8	0.3%	272^	0	0.0%	0	67	0.6%	2,274
Crawford	15	0.2%	2,075	0	0.0%	0	0	0.0%	0	15	0.1%	2,075
Dane	999	10.6%	1,994	178	7.3%	355	9	3.5%	18^	1,186	9.8%	2,368
Dodge	67	0.7%	1,496	4	0.2%	*	2	0.8%	*	73	0.6%	1,630
Grant	51	0.5%	881	7	0.3%	121^	1	0.4%	*	59	0.5%	1,019
Green	23	0.2%	1,316	3	0.1%	*	2	0.8%	*	28	0.2%	1,602
Iowa	12	0.1%	1,093	2	0.1%	*	0	0.0%	0	14	0.1%	1,275
Jefferson	50	0.5%	1,016	8	0.3%	163^	1	0.4%	*	59	0.5%	1,198
Juneau	30	0.3%	2,404	1	0.0%	*	1	0.4%	*	32	0.3%	2,564
Lafayette	27	0.3%	3,136	0	0.0%	0	0	0.0%	0	27	0.2%	3,136
Richland	15	0.2%	1,854	1	0.0%	*	0	0.0%	0	16	0.1%	1,978
Rock	252	2.7%	2,696	73	3.0%	781	3	1.2%	*	328	2.7%	3,510
Sauk	99	1.0%	2,956	16	0.7%	478	3	1.2%	*	118	1.0%	3,523
Vernon	18	0.2%	1,173	1	0.0%	*	0	0.0%	0	19	0.2%	1,239
Region total	1727	18.3%	1,925	303	12.4%	338	22	8.5%	25	2,052	16.9%	2,287

*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 20-24 years of age, 2022

	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Western												
Barron	39	0.4%	1,877	3	0.1%	*	0	0.0%	0	42	0.3%	2,021
Buffalo	11	0.1%	1,685^	1	0.0%	*	0	0.0%	0	12	0.1%	1,838
Burnett	10	0.1%	1,550^	1	0.0%	*	0	0.0%	0	11	0.1%	1,705^
Chippewa	47	0.5%	1,433	8	0.3%	244^	0	0.0%	0	55	0.5%	1,677
Clark	20	0.2%	1,044	1	0.0%	*	0	0.0%	0	21	0.2%	1,096
Douglas	39	0.4%	1,613	2	0.1%	*	0	0.0%	0	41	0.3%	1,696
Dunn	60	0.6%	1,002	3	0.1%	*	0	0.0%	0	63	0.5%	1,052
Eau Claire	167	1.8%	1,319	12	0.5%	95^	4	1.5%	*	183	1.5%	1,445
Jackson	15	0.2%	1,517	2	0.1%	*	0	0.0%	0	17	0.1%	1,719
La Crosse	304	3.2%	2,375	33	1.4%	258	2	0.8%	*	339	2.8%	2,649
Monroe	53	0.6%	2,211	3	0.1%	*	1	0.4%	*	57	0.5%	2,378
Pepin	1	0.0%	*	0	0.0%	0	1	0.4%	*	2	0.0%	*
Pierce	67	0.7%	1,455	2	0.1%	*	2	0.8%	*	71	0.6%	1,541
Polk	26	0.3%	1,242	2	0.1%	*	1	0.4%	*	29	0.2%	1,385
Rusk	4	0.0%	*	1	0.0%	*	1	0.4%	*	6	0.0%	929^
Saint Croix	51	0.5%	1,045	8	0.3%	164^	1	0.4%	*	60	0.5%	1,229
Trempealeau	32	0.3%	2,181	4	0.2%	*	0	0.0%	0	36	0.3%	2,454
Washburn	9	0.1%	1,463^	1	0.0%	*	2	0.8%	*	12	0.1%	1,951
Region total	955	10.1%	25,940	87	3.6%	2,454	15	5.8%	990	1,057	8.7%	29,385
Institutions**	41	0.4%	10	5	0.2%	*	3	0.0%	*	49	0.4%	13
All Total	9,429	100.0%	2,406	2,442	100.0%	623	260	100.0%	66	12,131	100.0%	3,096

*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 20-24 years of age, 2022

	Primary			Secondary			Early latent			Early Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Total	46	100%	12	55	100%	14	67	100%	17	168	100%	43
Gender												
Male	29	63.0%	15	26	47.3%	13	39	58.2%	20	94	56.0%	47
Female	7	15.2%	4^	28	50.9%	15	26	38.8%	14	61	36.3%	32
Transgender Female	1	2.2%	-	1	1.8%	-	1	1.5%	-	3	1.8%	-
Transgender Male	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
Unknown	1	2.2%	-	0	0.0%	-	1	1.5%	-	2	1.2%	-
Race/Ethnicity												
White	9	19.6%	3^	11	20.0%	4^	16	23.9%	5	36	21.4%	12
Black	27	58.7%	70	38	69.1%	99	39	58.2%	102	104	61.9%	271
Native American	1	2.2%	*	1	1.8%	*	1	1.5%	*	3	1.8%	*
Asian	3	6.5%	*	1	1.8%	*	2	3.0%	*	6	3.6%	*
Hispanic	5	10.9%	*	1	1.8%	*	7	10.4%	18^	13	7.7%	34
Other/Unknown	1	2.2%	-	3	5.5%	-	2	3.0%	-	6	3.6%	-
Region of residence												
Northeastern	9	19.6%	13^	2	3.6%	*	3	4.5%	*	14	8.3%	20
Northern	1	2.2%	*	3	5.5%	*	0	0.0%	0	4	2.4%	*
Southeastern	32	69.6%	22	44	80.0%	30	54	80.6%	37	130	77.4%	88
Southern	3	6.5%	*	2	3.6%	*	5	7.5%	*	10	6.0%	12^
Western	1	2.2%	*	4	7.3%	*	4	6.0%	*	9	5.4%	15^
All regions total	46	100%	12	55	100%	14	66	99.4%	17	167	98%	43
Institutions	0	0%	0	0	0%	0	1	0.6%	-	1	2%	-
All totals	46	100%	12	55	100%	14	67	100%	17	168	100%	43

*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 20-24 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	168	100%	43	92	100%	23	0	0%	0	260	100%	66
Gender												
Male	94	56.0%	47	46	84%	23	0	0%	0	150	57.7%	75
Female	61	36.3%	32	42	76%	22	0	0%	0	103	39.6%	54
Transgender Female	3	1.8%	-	3	5%	-	0	0%	-	5	1.9%	-
Transgender Male	0	0.0%	-	1	2%	-	0	0%	-	1	0.4%	-
Unknown	2	1.2%	-	0	0%	-	0	0%	-	1	0.4%	-
Race/Ethnicity												
White	36	21.4%	12	24	44%	8	0	0%	0	60	23.1%	20
Black	104	61.9%	271	46	84%	120	0	0%	0	150	57.7%	391
Native American	3	1.8%	*	1	2%	*	0	0%	0	4	1.5%	*
Asian	6	3.6%	33^	0	0%	0	0	0%	0	6	2.3%	33^
Hispanic	13	7.7%	34	21	38%	55	0	0%	0	34	13.1%	90
Other/Unknown	6	3.6%	-	0	0%	-	0	0%	-	6	2.3%	-
Region of residence												
Northeastern	14	8.3%	20	11	20%	15^	0	0%	0	25	9.6%	35
Northern	4	2.4%	*	2	4%	*	0	0%	0	6	2.3%	21^
Southeastern	130	77.4%	88	59	107%	40	0	0%	0	189	72.7%	129
Southern	10	6.0%	12^	12	22%	14	0	0%	0	22	8.5%	26
Western	9	5.4%	15^	6	11%	10^	0	0%	0	15	5.8%	25
All regions total	167	100%	43	90	164%	23	0	0%	0	257	98.8%	66
Corrections	1	0%	-	2	4%	-	0	0%	-	3	1.2%	-
All Total	94	56.0%	43	92	167%	23	0	0%	0	260	0.0%	66

*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 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.

For more information, contact:

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