

Sexually Transmitted Infections in Wisconsin, 2021



DEPARTMENT OF HEALTH SERVICES
Division of Public Health
Bureau of Communicable Diseases
STI Unit
P-00415 (11/2022)

Wisconsin Sexually Transmitted Infections (STI) Surveillance Report

Milwaukee County - 2021

Despite the interruption of delivery of STI testing services due to the Covid – 19 pandemic, overall STI cases reported in Milwaukee County increased 8.6% in 2021. The most significant change observed in 2021 was a **128.7% increase in Syphilis** cases reported. In 2021, gonorrhea cases increased by 6.7% chlamydia cases increased by 4.4%.

Table 1.

STIs in Milwaukee County continue to rise.

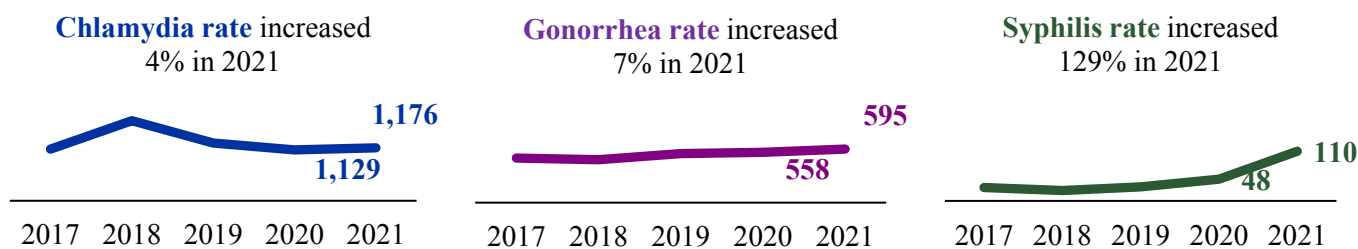
Trends of STI cases and Rates (per 100,000 people) in Milwaukee County 2017-2021

Disease	2017		2018		2019		2020		2021	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
Chlamydia	10,942	1,148	11,221	1,777	12,217	1,282	10,671	1,129	11,136	1,176
Gonorrhea	4,726	496	4,552	477	5,182	544	5,279	558	5,635	595
Syphilis	286	30	220	23	296	31	456	48	1,043	110

Note: 2020 and 2021 counts exclude cases diagnosed in federal or private correctional facilities.

Figure 1.

Syphilis rate (per 100,000 people) increased 129% in 2021



*For comparison purposes these 2021 counts do not include cases reported from Federal and State Correctional Facilities cases.

Wisconsin Sexually Transmitted Infection (STI) Surveillance Report

Reported Cases and Rates (per100,000 people) by Gender, Race, Ethnicity, Age, and Region Milwaukee County - 2021

	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Total	11,136	100%	1,176	5,635	100%	595	1,043	100%	110	17,814	100%	1,882
Sex												
Male	3,778	33.9%	820	3,014	53.5%	654	636	61.0%	138	7,428	41.7%	1,612
Female	7,341	65.9%	1,510	2,597	46.1%	534	384	36.8%	79	10,322	57.9%	2,124
Transgender-Female	8	0.1%	-	15	0.3%	-	23	2.2%	-	46	0.3%	-
Transgender-Male	1	0.0%	-	1	0.0%	-	0	0.0%	-	2	0.0%	-
Unknown	8	0.1%	-	8	0.1%	-	0	0.0%	-	16	0.1%	-
Race/Ethnicity												
White	1,258	11.3%	262	503	8.9%	105	143	13.7%	30	1,904	10.7%	397
Black	6,935	62.3%	2,673	4,101	72.8%	1,581	709	68.0%	273	11,745	65.9%	4,527
Native American	35	0.3%	541	17	0.3%	263	6	0.6%	93	58	0.3%	897
Asian	119	1.1%	244	39	0.7%	80	8	0.8%	16	166	0.9%	340
Hispanic	1,555	14.0%	1,023	470	8.3%	309	159	15.2%	105	2,184	12.3%	1,437
Other/Unknown	1,234	11.1%	-	505	9.0%	-	18	1.7%	-	1,757	9.9%	-
Age												
0-4	8	0.1%	12	3	0.1%	5	11	1.1%	17	22	0.1%	34
5-9	0	0.0%	0	1	0.0%	2	0	0.0%	0	1	0.0%	2
10-14	138	1.2%	243	78	1.4%	137	0	0.0%	0	216	1.2%	380
15-19	2949	26.5%	4,515	1,319	23.4%	2,020	38	3.6%	58	4,306	24.2%	6,593
20-24	3809	34.2%	4,886	1,453	25.8%	1,864	139	13.3%	178	5,401	30.3%	6,928
25-29	2170	19.5%	2,691	1,128	20.0%	1,399	201	19.3%	249	3,499	19.6%	4,339
30-34	1078	9.7%	1,507	692	12.3%	968	194	18.6%	271	1,964	11.0%	2,746
35-39	477	4.3%	696	362	6.4%	528	122	11.7%	178	961	5.4%	1,402
40-44	232	2.1%	413	210	3.7%	374	105	10.1%	187	547	3.1%	974
45-49	111	1.0%	210	142	2.5%	269	65	6.2%	123	318	1.8%	602
50+	164	1.5%	56	247	4.4%	84	167	16.0%	57	578	3.2%	197
Unknown	0	0.0%	-	0	0.0%	-	1	0.1%	-	1	0.0%	-
Region of residence												
Southeastern	11,136	100%	1,176	5,635	100%	595	1,043	100%	110	17,814	100%	1,882

*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 by Zip Code, Milwaukee County - 2021

Zip code/Post Office	Chlamydia			Gonorrhea			Syphilis			Total		
	Case	Percent	Rate	Case	Percent	Rate	Case	Percent	Rate	Case	Percent	Rate
53110 Cudahy	80	0.7%	439	27	0.5%	148	8	0.8%	44^	115	0.6%	631
53129 Greendale	28	0.3%	200	8	0.1%	57^	3	0.3%	*	39	0.2%	278
53130 Hales Corners	16	0.1%	205	1	0.0%	*	0	0.0%	0	17	0.1%	218
53132 Franklin	101	0.9%	284	22	0.4%	62	14	1.3%	39	137	0.8%	385
53154 Oak Creek	101	0.9%	278	25	0.4%	69	8	0.8%	22^	134	0.8%	369
53172 South Milwaukee	79	0.7%	379	25	0.4%	120	4	0.4%	*	108	0.6%	518
53202 Milwaukee	221	2.0%	885	109	1.9%	437	17	1.6%	68	347	1.9%	1,390
53203 Milwaukee	37	0.3%	2,123	12	0.2%	688	2	0.2%	*	51	0.3%	2,926
53204 Milwaukee	587	5.3%	1,514	255	4.5%	658	68	6.5%	175	910	5.1%	2,347
53205 Milwaukee	277	2.5%	3,038	140	2.5%	1,535	21	2.0%	230	438	2.5%	4,803
53206 Milwaukee	778	7.0%	3,295	505	9.0%	2,139	85	8.1%	360	1,368	7.7%	5,794
53207 Milwaukee	136	1.2%	367	71	1.3%	191	18	1.7%	49	225	1.3%	606
53208 Milwaukee	634	5.7%	2,171	377	6.7%	1,291	62	5.9%	212	1,073	6.0%	3,674
53209 Milwaukee	1,002	9.0%	2,074	625	11.1%	1,293	101	9.7%	209	1,728	9.7%	3,576
53210 Milwaukee	738	6.6%	2,860	448	8.0%	1,736	64	6.1%	248	1,250	7.0%	4,845
53211 Milwaukee	176	1.6%	512	64	1.1%	186	14	1.3%	41	254	1.4%	739
53212 Milwaukee	579	5.2%	1,923	318	5.6%	1,056	69	6.6%	229	966	5.4%	3,208
53213 Milwaukee	74	0.7%	267	31	0.6%	112	10	1.0%	36^	115	0.6%	414
53214 Milwaukee	250	2.2%	710	111	2.0%	315	21	2.0%	60	382	2.1%	1,085
53215 Milwaukee	669	6.0%	1,096	219	3.9%	359	81	7.8%	133	969	5.4%	1,588
53216 Milwaukee	721	6.5%	2,291	415	7.4%	1,318	63	6.0%	200	1,199	6.7%	3,809
53217 Milwaukee	76	0.7%	268	27	0.5%	95	3	0.3%	*	106	0.6%	373
53218 Milwaukee	900	8.1%	2,106	545	9.7%	1,276	78	7.5%	183	1,523	8.5%	3,564
53219 Milwaukee	205	1.8%	597	78	1.4%	227	12	1.2%	35	295	1.7%	860
53220 Milwaukee	125	1.1%	459	28	0.5%	103	12	1.2%	44	165	0.9%	606
53221 Milwaukee	244	2.2%	616	82	1.5%	207	17	1.6%	43	343	1.9%	866
53222 Milwaukee	222	2.0%	843	121	2.1%	459	25	2.4%	95	368	2.1%	1,397
53223 Milwaukee	465	4.2%	1,624	210	3.7%	733	34	3.3%	119	709	4.0%	2,476
53224 Milwaukee	364	3.3%	1,631	169	3.0%	757	26	2.5%	116	559	3.1%	2,504
53225 Milwaukee	507	4.6%	1,947	265	4.7%	1,018	34	3.3%	131	806	4.5%	3,096
53226 Milwaukee	74	0.7%	390	34	0.6%	179	6	0.6%	*	114	0.6%	600
53227 Milwaukee	106	1.0%	442	34	0.6%	142	6	0.6%	*	146	0.8%	609
53228 Milwaukee	58	0.5%	394	21	0.4%	143	6	0.6%	*	85	0.5%	578
53233 Milwaukee	360	3.2%	2,424	168	3.0%	1,131	47	4.5%	316	575	3.2%	3,872
53235 Milwaukee	40	0.4%	419	15	0.3%	157	4	0.4%	*	59	0.3%	617
Zip code specified	11,030	99.0%	1,162	5,605	99.5%	591	1,043	100%	17,678	17,678	99.2%	1,863
Zip code not specified	106	1.0%	NA	30	0.5%	-	0	0.0%	-	136	0.8%	-
County Total	11,136	100.0%	1,176	5635	100%	-	1,043	100%	110	17,814	100.0%	1,882

Wisconsin Syphilis Surveillance Report - Reported Cases and Rates (per 100,000 people) by Stage of Infection, Gender, Race, Ethnicity, and Age – 2021 Milwaukee County - 2021

	Primary			Secondary			Early latent			Early Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Total	245	100.0%	26	256	100.0%	27	264	100.0%	28	765	100.0%	81
Sex												
Male	193	21.2%	42	147	57.4%	32	152	57.6%	33	492	64.3%	107
Female	52	0.0%	11	102	39.8%	21	101	38.3%	21	255	33.3%	52
Transgender-Female	0	0.0%	-	7	2.7%	-	11	4.2%	-	18	2.4%	-
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%	-
Race/Ethnicity												
White	27	72.2%	6	28	10.9%	6	35	13.3%	7	90	11.8%	19
Black	177	0.8%	68	193	75.4%	74	178	67.4%	69	548	71.6%	211
Native American	2	1.2%	*	0	0.0%	0	2	0.8%	*	4	0.5%	*
Asian	3	0.0%	*	1	0.4%	*	2	0.8%	*	6	0.8%	*
Hispanic	36	1.0%	24	22	8.6%	14	45	17.0%	30	103	13.5%	68
Other/Unknown	0	3.0%	-	12	4.7%	-	2	0.8%	-	14	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	3.7%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
15-19	9	13.1%	14 [^]	8	3.1%	12 [^]	11	4.2%	17 [^]	28	3.7%	43
20-24	32	20.8%	41	32	12.5%	41	47	17.8%	60	111	14.5%	142
25-29	51	14.7%	63	50	19.5%	62	55	20.8%	68	156	20.4%	193
30-34	36	13.1%	50	46	18.0%	64	54	20.5%	75	136	17.8%	190
35-39	32	10.2%	47	27	10.5%	39	29	11.0%	42	88	11.5%	128
40-44	25	8.2%	45	33	12.9%	59	21	8.0%	37	79	10.3%	141
45-49	20	16.3%	38	11	4.3%	21 [^]	17	6.4%	32	48	6.3%	91
50+	40	0.0%	14	49	19.1%	17	29	11.0%	10	118	15.4%	40
Unknown												

*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 – 2021 Milwaukee County - 2021

	Early latent			Late Latent			Congenital			All stage total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Total	765	100.0%	81	267	100.0%	28	11	100.0%	1 [^]	1,043	100.0%	110
Sex												
Male	492	64.3%	107	137	51.3%	30	3	27.3%	*	618	59.3%	134
Female	255	33.3%	52	125	46.8%	26	1	9.1%	*	260	24.9%	53
Transgender Female	18	2.4%	-	5	1.9%	-	0	0.0%	-	18	1.7%	-
Transgender Male	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
Unknown	0	0.0%	-	267	100.0%	-	11	100.0%	-	1,043	100.0%	-
Race/Ethnicity												
White	90	11.8%	19	51	19.1%	11	2	18.2%	*	143	13.7%	30
Black	548	71.6%	211	157	58.8%	61	4	36.4%	*	709	68.0%	273
Native American	4	0.5%	8	1	0.4%	*	1	9.1%	*	6	0.6%	*
Asian	6	0.8%	12 [^]	2	0.7%	*	0	0.0%	0	8	0.8%	*
Hispanic	103	13.5%	68	52	19.5%	34	4	36.4%	*	159	15.2%	105
Other/Unknown	14	1.8%	-	4	1.5%	-	0	0.0%	-	18	1.7%	-
Age												
0-4	0	0.0%	0	0	0.0%	0	11	100.0%	17 [^]	11	1.1%	17 [^]
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	28	3.7%	43	10	3.7%	15 [^]	0	0.0%	0	38	3.6%	58
20-24	111	14.5%	142	28	10.5%	36	0	0.0%	0	139	13.3%	178
25-29	156	20.4%	193	45	16.9%	56	0	0.0%	0	201	19.3%	249
30-34	136	17.8%	190	58	21.7%	81	0	0.0%	0	194	18.6%	271
35-39	88	11.5%	128	34	12.7%	50	0	0.0%	0	122	11.7%	178
40-44	79	10.3%	141	26	9.7%	46	0	0.0%	0	105	10.1%	187
45-49	48	6.3%	91	17	6.4%	32	0	0.0%	0	65	6.2%	123
50+	118	15.4%	40	49	18.4%	17	0	0.0%	0	167	16.0%	57
Unknown	1	0.1%	-	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 (2019). Rates are not calculated for categories with small numbers of cases. See each report for the rate calculation threshold.
5. In these reports, cases are allocated to the derived county at the time of diagnosis. Cases diagnosed among inmates of correctional facilities and cases who resided outside Wisconsin are not included in this report.
6. Congenital Syphilis cases are included in syphilis report.
7. All races are non-Hispanic race. The race Asian includes Asian Pacific Islander and the race American Indian Alaska Native are named Native American.
8. Rates based on five case counts or less are not shown; ^Rate is unreliable due to a count <12.

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