

Sexually Transmitted Infections

Wisconsin, 2020



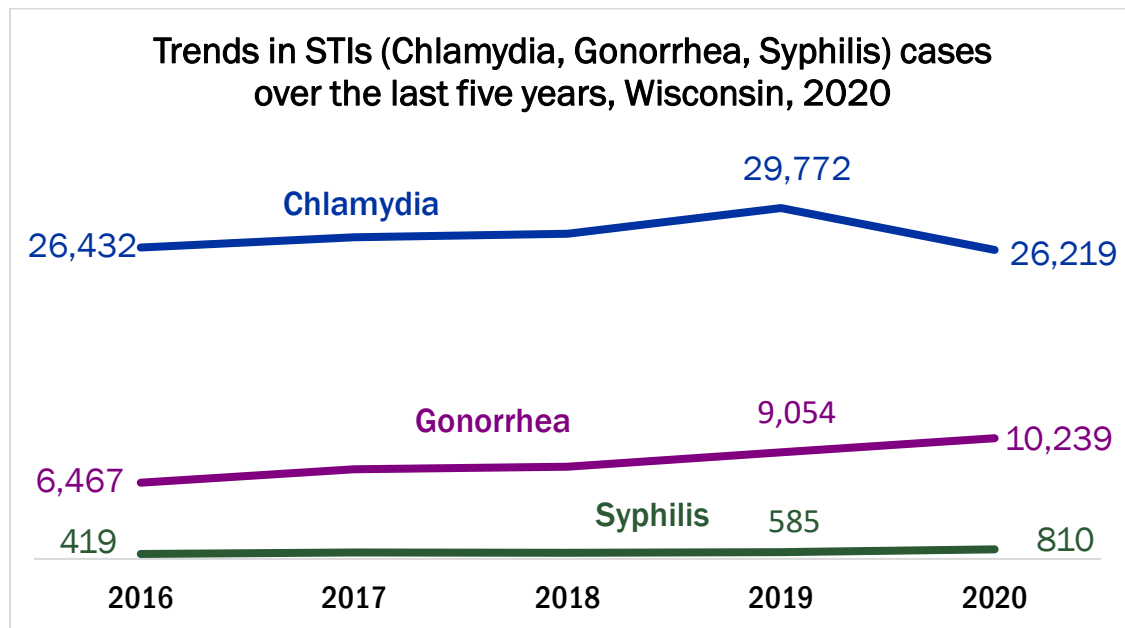
DEPARTMENT OF HEALTH SERVICES
Division of Public Health
Bureau of Communicable Diseases
STI Unit
P-00415 (09/21)

Sexually Transmitted Infections Surveillance Report Data Tables, Wisconsin 2020

Table 1. Number of Cases and Rate of Chlamydia, Gonorrhea, Syphilis Wisconsin, 2016-2020

Disease	2016		2017		2018		2019		2020	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
Chlamydia	26,432	470	27,287	485	27,580	490	29,772	529	26,219	449
Gonorrhea	6,467	115	7,610	135	7,827	139	9,054	161	10,239	175
Syphilis	419	7	547	10	511	9	585	10	810	14

*Rate per 100,000 people



Because of the Covid-19 pandemic, STI testing services were running at a minimum level in both STI and non STI clinics and local health departments. In spite of the disruption in STI testing services, Gonorrhea cases increased from 9,054 in 2019 to 10,239 in 2020 (13.08% increase). Likewise Syphilis cases increased from 585 cases in 2019 to 810 cases in 2020 (38.46% increase).

Wisconsin Sexually Transmitted Disease Surveillance Report, 2020

	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
Total	26,219	100%	449	10,239	100%	175	810	100%	14	37,268	100%	638
Gender												
Male	8,315	31.7%	286	5,323	52.0%	183	630	77.8%	22	14,268	38.3%	491
Female	17,830	68.0%	608	4,866	47.5%	166	177	21.9%	6	22,873	61.4%	780
Transgender Female	7	0.0%	-	7	0.1%	-	2	0.2%	-	16	0.0%	-
Transgender Male	8	0.0%	-	5	0.0%	-	1	0.1%	-	14	0.0%	-
Unknown	59	0.2%	-	38	0.4%	-	0	0.0%	-	97	0.3%	-
Race/Ethnicity												
White	9,419	35.9%	197	2,359	23.0%	49	298	36.8%	6	12,076	32.4%	253
Black	8,259	31.5%	2,029	5,094	49.8%	1,251	307	37.9%	71	13,660	36.7%	3,356
Native American	247	0.9%	423	75	0.7%	129	13	1.6%	17	335	0.9%	574
Asian	346	1.3%	189	81	0.8%	44	15	1.9%	8	442	1.2%	241
Hispanic	2,711	10.3%	654	787	7.7%	190	120	14.8%	29	3,618	9.7%	873
Other/Unknown	5,237	20.0%	-	1,843	18.0%	-	57	7.0%	-	7,137	19.2%	-
Age												
0-4	10	0.0%	3^	6	0.1%	2^	5	0.6%	**	21	0.1%	6
5-9	1	0.0%	**	1	0.0%	**	0	0.0%	0	2	0.0%	**
10-14	205	0.8%	56	60	0.6%	16	0	0.0%	0	265	0.7%	72
15-19	7,015	26.8%	1,852	1,767	17.3%	467	32	4.0%	8	8,814	23.7%	2,327
20-24	9,876	37.7%	2,521	2,881	28.1%	735	117	14.4%	30	12,874	34.5%	3,286
25-29	4,679	17.8%	1,229	2,235	21.8%	587	152	18.8%	40	7,066	19.0%	1,856
30-34	2,199	8.4%	606	1,414	13.8%	390	145	17.9%	40	3,758	10.1%	1,036
35-39	1,166	4.4%	311	836	8.2%	223	99	12.2%	26	2,101	5.6%	561
40-44	521	2.0%	153	397	3.9%	117	86	10.6%	25	1,004	2.7%	295
45-49	232	0.9%	67	254	2.5%	74	56	6.9%	16	542	1.5%	158
50+	315	1.2%	14	388	3.8%	17	118	14.6%	5	820	2.2%	37
Region of residence												
Northeastern	4,138	15.8%	328	993	9.7%	79	86	10.6%	7	5,217	14.0%	414
Northern	1,207	4.6%	246	276	2.7%	56	13	1.6%	3	1,496	4.0%	305
Southeastern	13,945	53.2%	681	6,539	63.9%	319	543	67.0%	27	21,027	56.4%	1,026
Southern	4,667	17.8%	376	1,925	18.8%	155	138	17.0%	11	6,730	18.1%	542
Western	2,262	8.6%	283	506	4.9%	63	30	3.7%	4	2,798	7.5%	350

* Cases per 100,000 population.

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

Wisconsin Sexually Transmitted Disease Surveillance Report: 2020

Reported Cases by Region and County

Region/County	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
Northeastern												
Brown	1,118	4.3%	424	345	3.4%	131	29	3.6%	11	1,492	4.0%	565
Calumet	106	0.4%	203	11	0.1%	21 [^]	2	0.2%	**	119	0.3%	228
Door	38	0.1%	134	5	0.0%	**	1	0.1%	**	44	0.1%	155
Fond du lac	344	1.3%	331	93	0.9%	89	8	1.0%	8 [^]	445	1.2%	428
Green Lake	26	0.1%	136	5	0.0%	**	0	0.0%	0	31	0.1%	162
Kewaunee	30	0.1%	145	7	0.1%	34 [^]	0	0.0%	0	37	0.1%	179
Manitowoc	226	0.9%	280	38	0.4%	47	2	0.2%	**	266	0.7%	330
Marinette	109	0.4%	266	4	0.0%	**	2	0.2%	**	115	0.3%	280
Marquette	22	0.1%	142	4	0.0%	**	0	0.0%	0	26	0.1%	168
Menominee	30	0.1%	688	8	0.1%	183 [^]	0	0.0%	0	38	0.1%	872
Oconto	86	0.3%	223	10	0.1%	26 [^]	0	0.0%	0	96	0.3%	249
Outagamie	575	2.2%	307	157	1.5%	84	20	2.5%	11	752	2.0%	401
Shawano	96	0.4%	231	14	0.1%	34	0	0.0%	0	110	0.3%	265
Sheboygan	406	1.5%	349	73	0.7%	63	5	0.6%	**	484	1.3%	416
Waupaca	130	0.5%	251	18	0.2%	35	3	0.4%	**	151	0.4%	291
Waushara	38	0.1%	155	11	0.1%	45 [^]	0	0.0%	0	49	0.1%	200
Winnebago	758	2.9%	444	190	1.9%	111	14	1.7%	8	962	2.6%	563
Region total	4,138	15.8%	328	993	9.7%	79	86	10.6%	7	5,217	14.0%	414

* Cases per 100,000 population

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Wisconsin Sexually Transmitted Disease Surveillance Report: 2020

Reported Cases by Region and County

Northern	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
Ashland	61	0.2%	386	5	0.0%	**	3	0.4%	**	69	0.2%	437
Bayfield	24	0.1%	158	4	0.0%	**	0	0.0%	0	28	0.1%	184
Florence	6	0.0%	136^	0	0.0%	0	0	0.0%	0	6	0.0%	136^
Forest	18	0.1%	197	1	0.0%	**	1	0.1%	**	20	0.1%	219
Iron	12	0.0%	206	0	0.0%	0	0	0.0%	0	12	0.0%	206
Langlade	32	0.1%	162	3	0.0%	**	0	0.0%	0	35	0.1%	177
Lincoln	53	0.2%	186	14	0.1%	49	1	0.1%	**	68	0.2%	239
Marathon	382	1.5%	280	140	1.4%	103	2	0.2%	**	524	1.4%	384
Oneida	60	0.2%	166	5	0.0%	**	2	0.2%	**	67	0.2%	186
Portage	244	0.9%	342	34	0.3%	48	3	0.4%	**	281	0.8%	394
Price	29	0.1%	208	3	0.0%	**	0	0.0%	0	32	0.1%	230
Sawyer	27	0.1%	161	5	0.0%	**	0	0.0%	0	32	0.1%	191
Taylor	31	0.1%	150	5	0.0%	**	0	0.0%	0	36	0.1%	174
Vilas	28	0.1%	128	4	0.0%	**	0	0.0%	0	32	0.1%	146
Wood	200	0.8%	268	53	0.5%	71	1	0.1%	**	254	0.7%	340
Region total	1,207	4.6%	246	276	2.5%	56	13	1.5%	3	1,496	4.0%	305

* Cases per 100,000 population

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Wisconsin Sexually Transmitted Disease Surveillance Report: 2020 Reported Cases by Region and County

	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
Southeastern												
Kenosha	818	3.1%	481	311	3.0%	183	13	1.6%	8	1,142	3.1%	672
Milwaukee	10,671	40.7%	1,129	5,279	51.6%	558	456	56.3%	48	16,406	44.0%	1,735
Ozaukee	120	0.5%	133	29	0.3%	32	5	0.6%	**	154	0.4%	171
Racine	1,103	4.2%	562	607	5.9%	309	27	3.3%	14	1,737	4.7%	885
Walworth	279	1.1%	268	54	0.5%	52	6	0.7%	6^	339	0.9%	326
Washington	223	0.9%	162	57	0.6%	42	8	1.0%	6^	288	0.8%	210
Waukesha	731	2.8%	180	202	2.0%	50	22	2.7%	5	955	2.6%	235
Region total	13,945	53.2%	681	6,539	66.1%	319	537	66.5%	26	21,021	56.4%	1,026
Southern												
Adams	40	0.2%	195	8	0.1%	39^	1	0.1%	**	49	0.1%	239
Columbia	144	0.5%	251	34	0.3%	59	1	0.1%	**	179	0.5%	312
Crawford	23	0.1%	139	4	0.0%	**	1	0.1%	**	28	0.1%	170
Dane	2,584	9.9%	476	1,205	11.8%	222	103	12.7%	19	3,892	10.4%	717
Dodge	158	0.6%	177	36	0.4%	40	4	0.5%	**	198	0.5%	222
Grant	100	0.4%	191	9	0.1%	17^	4	0.5%	**	113	0.3%	216
Green	64	0.2%	173	19	0.2%	51	0	0.0%	0	83	0.2%	224
Iowa	39	0.1%	164	8	0.1%	34^	1	0.1%	**	48	0.1%	201
Jefferson	210	0.8%	248	44	0.4%	52	6	0.7%	7^	260	0.7%	307
Juneau	92	0.4%	340	10	0.1%	37^	2	0.2%	**	104	0.3%	384
Lafayette	39	0.1%	231	11	0.1%	65^	0	0.0%	0	50	0.1%	296
Richland	37	0.1%	208	5	0.0%	**	0	0.0%	0	42	0.1%	236
Rock	865	3.3%	536	481	4.7%	298	15	1.9%	9	1,361	3.7%	844
Sauk	200	0.8%	314	41	0.4%	64	6	0.7%	9^	247	0.7%	388
Vernon	72	0.3%	235	10	0.1%	33^	0	0.0%	0	82	0.2%	268
Region total	4,667	17.1%	376	1,925	17.4%	155	144	17.5%	12	6,736	18.1%	543

* Cases per 100,000 population.

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Wisconsin Sexually Transmitted Disease Surveillance Report: 2020 Reported Cases by Region and County

	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
Western												
Barron	104	0.4%	226	19	0.2%	41	3	0.4%	**	126	0.3%	273
Buffalo	19	0.1%	141	3	0.0%	**	0	0.0%	0	22	0.1%	163
Burnett	33	0.1%	213	7	0.1%	45^	3	0.4%	**	43	0.1%	278
Chippewa	170	0.6%	262	37	0.4%	57	3	0.4%	**	210	0.6%	323
Clark	55	0.2%	158	8	0.1%	23^	1	0.1%	**	64	0.2%	184
Douglas	119	0.5%	271	46	0.4%	105	1	0.1%	**	166	0.4%	378
Dunn	147	0.6%	327	29	0.3%	65	0	0.0%	0	176	0.5%	392
Eau Claire	378	1.4%	364	95	0.9%	91	6	0.7%	6^	479	1.3%	461
Jackson	56	0.2%	270	16	0.2%	77	1	0.1%	**	73	0.2%	351
La Crosse	580	2.2%	486	153	1.5%	128	9	1.1%	8^	742	2.0%	622
Monroe	117	2.2%	1,242	21	0.2%	45	0	0.0%	0	138	0.4%	295
Pepin	15	0.4%	1,588	5	0.0%	**	0	0.0%	0	20	0.1%	271
Pierce	95	0.1%	35	9	0.1%	21^	0	0.0%	0	104	0.3%	245
Polk	81	0.4%	214	7	0.1%	16^	0	0.0%	0	88	0.2%	199
Rusk	25	0.3%	553	3	0.0%	**	0	0.0%	0	28	0.1%	191
Saint Croix	158	0.1%	28	27	0.3%	30	3	0.4%	**	188	0.5%	208
Trempealeau	88	0.6%	529	18	0.2%	60	0	0.0%	0	106	0.3%	355
Washburn	22	0.3%	553	3	0.0%	**	0	0.0%	0	25	0.1%	157
Region total	2,262	8.8%	3	506	4.6%	63	30	3.7%	4	2,797	7.5%	350
All Regions Total	26,219	100%	449	10,239	100%	175	810	100%	14	37,268	100%	638

* Cases per 100,000 population.

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Wisconsin Sexually Transmitted Disease Surveillance report, 2020

Syphilis by Disease Stage

	Primary			Secondary			Early latent			Early Total		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
Total	204	100.0%	3	151	100.0%	3	224	100.0%	4	579	100.0%	10
Gender												
Male	172	84.3%	6	112	74.2%	4	184	82.1%	6	468	80.8%	16
Female	32	15.7%	1	39	25.8%	1	40	17.9%	1	111	19.2%	4
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%	-
Race/Ethnicity												
White	61	29.9%	1	59	39.1%	1	82	36.6%	2	202	34.9%	4
Black	90	44.1%	22	49	32.5%	12	91	40.6%	22	230	39.7%	54
Native American	3	1.5%	**	4	2.6%	**	2	0.9%	**	9	1.6%	12
Asian	4	2.0%	**	2	1.3%	**	4	1.8%	**	10	1.7%	5
Hispanic	32	15.7%	8	21	13.9%	5	31	13.8%	7	84	14.5%	
Other/Unknown	14	6.9%	-	16	10.6%	-	14	6.3%	-	44	7.6%	-
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	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
15-19	6	2.9%	2^	4	2.6%	**	10	4.5%	3	20	3.5%	**
20-24	33	16.2%	8	20	13.2%	5	34	15.2%	9	87	15.0%	22
25-29	36	17.6%	9	28	18.5%	7	49	21.9%	13	113	19.5%	30
30-34	38	18.6%	10	25	16.5%	7	38	17.0%	10	101	17.4%	28
35-39	21	10.3%	6	18	11.9%	5	31	13.8%	8	70	12.1%	19^
40-44	20	9.8%	6	18	11.9%	5	21	9.4%	6	59	10.2%	17^
45-49	17	8.3%	5	12	7.9%	3	17	7.6%	5	46	7.9%	**
50+	33	16.2%	1	26	17.2%	1	24	10.7%	1	83	14.3%	**

*Cases per 100,000 population.

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Wisconsin Sexually Transmitted Disease Surveillance report, 2020

Syphilis by Disease Stage

	Early latent			Late Latent			Congenital			All stages		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
Total	579	100.0%	10	226	100.0%	4	5	100.0%	**	810	100.0%	14
Gender												
Male	468	80.8%	16	159	70.4%	5	3	60.0%	**	630	77.8%	22
Female	111	19.2%	4	64	28.3%	2	2	40.0%	**	177	21.9%	6
Transgender Female	0	0.0%	-	2	0.9%	-	0	0.0%	-	2	0.2%	**
Transgender Male	0	0.0%	-	1	0.4%	-	0	0.0%	-	1	0.1%	**
Unknown	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
Race/Ethnicity												
White	202	34.9%	4	93	41.2%	2	3	60.0%	**	298	36.8%	6
Black	230	39.7%	54	76	33.6%	19	2	40.0%	**	308	38.0%	76
Native American	9	1.6%	12^	4	1.8%	**	0	0.0%	0	13	1.6%	22
Asian	10	1.7%	5^	4	1.8%	**	0	0.0%	0	14	1.7%	8
Hispanic	84	14.5%	20	35	15.5%	8	0	0.0%	0	119	14.7%	29
Other/Unknown	44	7.6%	-	14	6.2%	-	0	0.0%	-	58	7.2%	-
Age												
0-4	0	0.0%	0	0	0.0%	0	5	100.0%	**	5	0.6%	**
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	20	3.5%	5	12	5.3%	3	0	0.0%	0	32	4.0%	8
20-24	87	15.0%	22	30	13.3%	8	0	0.0%	0	117	14.4%	30
25-29	113	19.5%	30	39	17.3%	10	0	0.0%	0	152	18.8%	40
30-34	101	17.4%	28	44	19.5%	12	0	0.0%	0	145	17.9%	40
35-39	70	12.1%	19	29	12.8%	8	0	0.0%	0	99	12.2%	26
40-44	59	10.2%	17	27	11.9%	8	0	0.0%	0	86	10.6%	25
45-49	46	7.9%	13	10	4.4%	3^	0	0.0%	0	56	6.9%	16
50+	83	14.3%	4	35	15.5%	2	0	0.0%	0	118	14.6%	5

*Cases per 100,000 population.

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

Technical Notes

1. These reports are 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. These reports include 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 these reports, cases are allocated to the derived county at the time of diagnosis. Cases diagnosed among inmates of federal or private correctional facilities and cases who resided outside Wisconsin are not included in this report.
6. Congenital Syphilis cases (5) are included in syphilis report.
7. All races are non-Hispanic ethnicity. Under the category race, Asian includes Asian Pacific Islander. Under the category race, American Indian Alaska Native is named as Native American.
8. Rates based on case counts five or less are not shown and rates based on 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