

Sexually Transmitted Infections in Wisconsin, 2022

Reported Cases



Wisconsin Sexually Transmitted Infections (STI) Surveillance Report - 2022

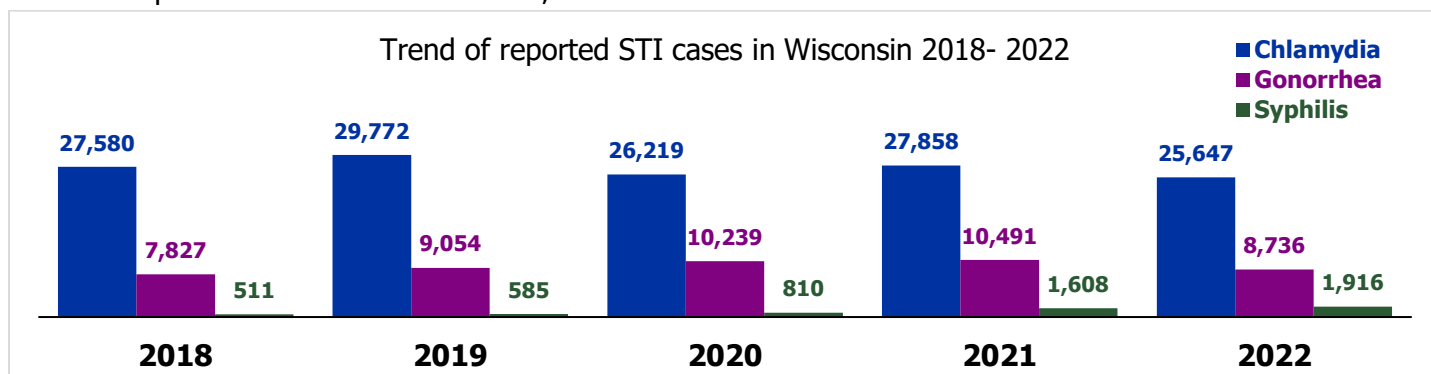
In 2022, reported cases of sexually transmitted infections in Wisconsin **decreased 9%** (39,772 to 36,299) compared to 2021. However, reported cases of syphilis (all stages) **increased 19%** (1,608 to 1,916) in 2022. The increasing trend of syphilis in Wisconsin is comparable to the national trend. Among reported cases of all stages of syphilis, congenital syphilis increased the most 81% (16 to 29) in 2022.

In 2022, chlamydia cases **decreased by 8%** (27,858 cases in 2021 to 25,647 cases in 2022) and gonorrhea cases **decreased by 17%** (10,491 cases in 2021 to 8,736 in 2022).

Figure 1.

Syphilis cases in Wisconsin continue to rise.

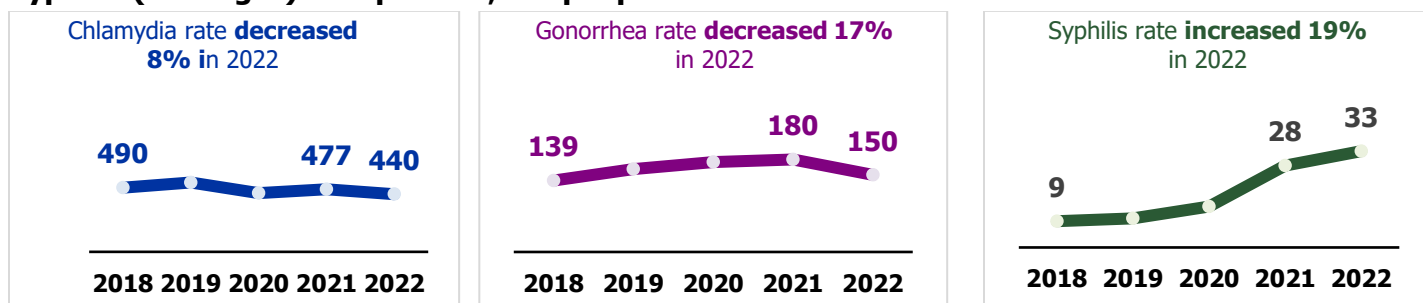
Trend of reported STI cases in Wisconsin, 2018 - 2022



*The CY 2022 cases and rates include cases reported from Federal and State Correctional Facilities (FSCF), as it was in CY 2021.

Figure 2.

Syphilis (all stages) rate per 100,000 people increased 19% in 2022 .



Key points:



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



Rates of syphilis continues to increase in Wisconsin as it is nationwide in 2022.



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, Age, and Region

	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Total	25,647	100%	439	8,736	100%	150	1,916	100%	33	36,299	100%	622
Gender												
Male	8,657	33.8%	298	4,565	52.3%	157	1,260	65.8%	43	14,482	39.9%	499
Female	16,902	65.9%	577	4,151	47.5%	142	626	32.7%	21	21,679	59.7%	740
Transgender Female	15	0.1%	-	5	0.1%	-	5	0.3%	-	25	0.1%	-
Transgender Male	14	0.1%	-	10	0.1%	-	21	1.1%	-	45	0.1%	-
Unknown	59	0.2%	-	5	0.1%	-	4	0.2%	-	68	0.2%	-
Race/Ethnicity												
White	9,721	37.9%	205	1,955	22.4%	41	542	28.3%	11	12,218	33.7%	257
Black	9,571	37.3%	2,326	5,288	60.5%	1,285	953	49.7%	232	15,812	43.6%	3,843
Native American	417	1.6%	723	110	1.3%	191	33	1.7%	57	560	1.5%	971
Asian	457	1.8%	239	74	0.8%	39	34	1.8%	18	565	1.6%	295
Hispanic	3,492	13.6%	815	775	8.9%	181	283	14.8%	66	4,550	12.5%	1,062
Other/Unknown	1,989	7.8%	-	534	6.1%	-	71	3.7%	-	2,594	7.1%	-
Age												
0-4	11	0.0%	3^	1	0.0%	*	29	1.5%	9	41	0.1%	12
5-9	1	0.0%	*	2	0.0%	*	0	0.0%	0	3	0.0%	*
10-14	201	0.8%	55	94	1.1%	26	2	0.1%	*	297	0.8%	81
15-19	6,650	25.9%	1,754	1,788	20.5%	472	76	4.0%	20	8,514	23.5%	2,246
20-24	9,429	36.8%	2,406	2,442	28.0%	623	260	13.6%	66	12,131	33.4%	3,096
25-29	4,439	17.3%	1,164	1,566	17.9%	411	303	15.8%	79	6,308	17.4%	1,655
30-34	2,449	9.5%	675	1,167	13.4%	322	348	18.2%	96	3,964	10.9%	1,093
35-39	1,224	4.8%	327	691	7.9%	185	226	11.8%	60	2,141	5.9%	572
40-44	613	2.4%	180	402	4.6%	118	167	8.7%	49	1,182	3.3%	347
45-49	272	1.1%	79	203	2.3%	59	143	7.5%	42	618	1.7%	180
50+	358	1.4%	16	380	4.3%	17	362	18.9%	16	1,100	3.0%	50
Region of residence												
Northeastern	4,043	15.8%	321	792	9.1%	63	176	9.2%	14	5,011	13.8%	398
Northern	1,171	4.6%	239	136	1.6%	28	48	2.5%	10	1,355	3.7%	276
Southeastern	13,717	53.5%	669	6,235	71.4%	304	1,354	70.7%	66	21,306	58.7%	1,040
Southern	4,359	17.0%	352	1,128	12.9%	91	212	11.1%	17	5,699	15.7%	460
Western	2,219	8.7%	278	429	4.9%	54	94	4.9%	12	2,742	7.6%	344
Institutions**	138	0.5%	-	16	0.2%	-	32	1.7%	-	186	0.5%	-

*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 and State institutions including corrections.

Wisconsin Sexually Transmitted Infection (STI) Surveillance Report, 2022

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

Region/County	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Northeastern												
Brown	1245	4.9%	475	280	3.2%	107	59	3.1%	22	1,584	4.4%	604
Calumet	63	0.2%	121	10	0.1%	19^	5	0.3%	*	78	0.2%	150
Door	44	0.2%	155	3	0.0%	*	0	0.0%	0	47	0.1%	166
Fond du lac	327	1.3%	315	94	1.1%	90	10	0.5%	10^	431	1.2%	415
Green Lake	33	0.1%	172	4	0.0%	*	2	0.1%	*	39	0.1%	204
Kewaunee	30	0.1%	145	6	0.1%	29^	2	0.1%	*	38	0.1%	184
Manitowoc	190	0.7%	235	32	0.4%	40	7	0.4%	9^	229	0.6%	283
Marinette	103	0.4%	251	9	0.1%	22^	5	0.3%	*	117	0.3%	285
Marquette	15	0.1%	97	3	0.0%	*	0	0.0%	0	18	0.0%	116
Menominee	51	0.2%	1,171	12	0.1%	275	0	0.0%	0	63	0.2%	1,446
Oconto	93	0.4%	241	5	0.1%	*	5	0.3%	*	103	0.3%	267
Outagamie	623	2.4%	332	87	1.0%	46	28	1.5%	15	738	2.0%	394
Shawano	111	0.4%	268	20	0.2%	48	3	0.2%	*	134	0.4%	323
Sheboygan	357	1.4%	308	60	0.7%	52	20	1.0%	17	437	1.2%	377
Waupaca	90	0.4%	173	7	0.1%	13^	2	0.1%	*	99	0.3%	191
Waushara	34	0.1%	139	5	0.1%	*	1	0.1%	*	40	0.1%	163
Winnebago	634	2.5%	370	155	1.8%	91	27	1.4%	16	816	2.2%	477
Region total	4,043	15.8%	321	792	9.1%	63	176	9.2%	14	5,011	13.8%	398

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Wisconsin Sexually Transmitted Infection (STI) Surveillance Report, 2022

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

Northern	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Ashland	42	0.2%	266	4	0.0%	*	6	0.3%	38^	52	0.1%	329
Bayfield	12	0.0%	78^	2	0.0%	*	1	0.1%	*	15	0.0%	98
Florence	3	0.0%	*	0	0.0%	0	1	0.1%	*	4	0.0%	*
Forest	24	0.1%	263	5	0.1%	*	1	0.1%	*	30	0.1%	329
Iron	10	0.0%	172^	0	0.0%	0	0	0.0%	0	10	0.0%	172^
Langlade	42	0.2%	212	4	0.0%	*	0	0.0%	0	46	0.1%	233
Lincoln	54	0.2%	189	7	0.1%	25^	1	0.1%	*	62	0.2%	217
Marathon	365	1.4%	268	60	0.7%	44	11	0.6%	8^	436	1.2%	321
Oneida	49	0.2%	136	9	0.1%	25^	2	0.1%	*	60	0.2%	166
Portage	255	1.0%	357	9	0.1%	13^	10	0.5%	14^	274	0.8%	383
Price	10	0.0%	72^	3	0.0%	*	0	0.0%	0	13	0.0%	93
Sawyer	47	0.2%	279	7	0.1%	42^	7	0.4%	42^	61	0.2%	363
Taylor	33	0.1%	159	3	0.0%	*	0	0.0%	0	36	0.1%	174
Vilas	18	0.1%	82	5	0.1%	*	2	0.1%	*	25	0.1%	114
Wood	207	0.8%	278	18	0.2%	24	6	0.3%	*	231	0.6%	310
Region total	1171	4.6%	239	136	1.6%	28	48	2.5%	10	1355	3.7%	276

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Wisconsin Sexually Transmitted Infection (STI) Surveillance Report, 2022

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

	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Southeastern												
Kenosha	750	2.9%	442	185	2.1%	109	19	1.0%	11	954	2.6%	562
Milwaukee	10455	40.8%	1,104	5357	61.3%	566	1213	63.3%	128	17025	46.9%	1,798
Ozaukee	123	0.5%	137	19	0.2%	21	9	0.5%	10^	151	0.4%	168
Racine	1161	4.5%	591	437	5.0%	222	65	3.4%	33	1663	4.6%	846
Walworth	321	1.3%	309	49	0.6%	47	8	0.4%	8^	378	1.0%	363
Washington	188	0.7%	137	48	0.5%	35	2	0.1%	*	238	0.7%	174
Waukesha	719	2.8%	177	140	1.6%	35	38	2.0%	9	897	2.5%	221
Region total	13717	53.5%	669	6235	71.4%	304	1354	70.7%	66	21306	58.7%	1,040
Southern												
Adams	43	0.2%	209	5	0.1%	*	4	0.2%	*	52	0.1%	253
Columbia	150	0.6%	261	19	0.2%	33	5	0.3%	*	174	0.5%	303
Crawford	26	0.1%	158	3	0.0%	*	0	0.0%	0	29	0.1%	176
Dane	2455	9.6%	455	668	7.6%	124	146	7.6%	27	3269	9.0%	605
Dodge	160	0.6%	179	14	0.2%	16	9	0.5%	10^	183	0.5%	205
Grant	121	0.5%	231	30	0.3%	57	4	0.2%	*	155	0.4%	295
Green	67	0.3%	181	7	0.1%	19^	4	0.2%	*	78	0.2%	211
Iowa	28	0.1%	118	5	0.1%	*	1	0.1%	*	34	0.1%	143
Jefferson	174	0.7%	205	28	0.3%	33	6	0.3%	7^	208	0.6%	246
Juneau	84	0.3%	310	10	0.1%	37^	2	0.1%	*	96	0.3%	354
Lafayette	53	0.2%	314	1	0.0%	*	0	0.0%	0	54	0.1%	320
Richland	39	0.2%	220	8	0.1%	45^	0	0.0%	0	47	0.1%	265
Rock	697	2.7%	432	289	3.3%	179	19	1.0%	12	1005	2.8%	622
Sauk	218	0.9%	343	34	0.4%	53	9	0.5%	14^	261	0.7%	410
Vernon	44	0.2%	144	7	0.1%	23^	3	0.2%	*	54	0.1%	177
Region total	4359	17.0%	352	1128	12.9%	91	212	11.1%	17	5699	15.7%	460

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Wisconsin Sexually Transmitted Infection (STI) Surveillance Report, 2022

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

	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Western												
Barron	92	0.4%	200	18	0.2%	39	7	0.4%	15^	117	0.3%	254
Buffalo	23	0.1%	170	2	0.0%	*	1	0.1%	*	26	0.1%	193
Burnett	27	0.1%	174	4	0.0%	*	0	0.0%	0	31	0.1%	199
Chippewa	135	0.5%	209	41	0.5%	63	7	0.4%	11^	183	0.5%	283
Clark	56	0.2%	161	5	0.1%	*	2	0.1%	*	63	0.2%	181
Douglas	111	0.4%	251	31	0.4%	70	10	0.5%	23^	152	0.4%	343
Dunn	135	0.5%	301	21	0.2%	47	5	0.3%	*	161	0.4%	359
Eau Claire	378	1.5%	365	79	0.9%	76	15	0.8%	14	472	1.3%	456
Jackson	42	0.2%	202	11	0.1%	53^	1	0.1%	*	54	0.1%	260
La Crosse	616	2.4%	519	126	1.4%	106	16	0.8%	13	758	2.1%	638
Monroe	138	0.5%	294	28	0.3%	60	1	0.1%	*	167	0.5%	356
Pepin	5	0.0%	*	0	0.0%	0	1	0.1%	*	6	0.0%	81^
Pierce	123	0.5%	291	8	0.1%	19^	4	0.2%	*	135	0.4%	319
Polk	67	0.3%	151	7	0.1%	16^	7	0.4%	16^	81	0.2%	183
Rusk	17	0.1%	116	5	0.1%	*	2	0.1%	*	24	0.1%	164
ST. CROIX	146	0.6%	162	27	0.3%	30	10	0.5%	11^	183	0.5%	203
Trempealeau	88	0.3%	295	11	0.1%	37^	1	0.1%	*	100	0.3%	335
Washburn	20	0.1%	125	5	0.1%	*	4	0.2%	*	29	0.1%	182
Region total	2219	8.7%	278	429	4.9%	12^	94	4.9%	12	2742	7.6%	344
All regions	25,509	99.5%	437	8,720	99.8%	149	1,884	98.3%	32	36,113	99.5%	619
Institutions	138	0.5%	-	16	0.2%	-	32	1.7%	-	186	0.5%	-
State total	25,647	100%	439	8,736	100%	150	1,916	100%	33	36,299	100%	622

*Rates based on five case counts or less are not shown; ^Rate is unreliable due to a count <1

Wisconsin Syphilis Surveillance Report - Reported Cases and Rates (per 100,000 people) by Stage of Infection, Gender, Race, Ethnicity, and Age – 2022

	Primary			Secondary			Early non-primary non-secondary			Early Total		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Total	333	100.0%	5.7	408	100.0%	7	405	100.0%	7	1146	100.0%	20 [^]
Gender												
Male	270	81.1%	9	269	65.9%	9	276	68.1%	10	815	71.1%	28 [^]
Female	60	18.0%	2	135	33.1%	5	122	30.1%	4	317	27.7%	*
Transgender Female	3	0.9%	-	3	0.7%	-	6	1.5%	-	12	1.0%	-
Transgender Male	0	0.0%	-	1	0.2%	-	0	0.0%	-	1	0.1%	-
Unknown	0	0.0%	-	0	0.0%	-	1	0.2%	-	1	0.1%	-
Race/Ethnicity												
White	79	23.7%	2	118	28.9%	2	125	30.9%	3	322	28.1%	7
Black	185	55.6%	45	236	57.8%	57	194	47.9%	47	615	53.7%	149
Native American	7	2.1%	12 [^]	6	1.5%	10 [^]	6	1.5%	10 [^]	19	1.7%	33
Asian	10	3.0%	5 [^]	6	1.5%	3 [^]	8	2.0%	4 [^]	24	2.1%	13
Hispanic	45	13.5%	11	35	8.6%	8	61	15.1%	14	141	12.3%	33
Other/Unknown	7	2.1%	-	7	1.7%	-	11	2.7%	-	25	2.2%	-
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	1	0.3%	*	0	0.0%	0	0	0.0%	0	1	0.1%	*
15-19	15	4.5%	4	14	3.4%	4	18	4.4%	5	47	4.1%	12
20-24	46	13.8%	12	55	13.5%	14	67	16.5%	17	168	14.7%	43
25-29	52	15.6%	14	61	15.0%	16	61	15.1%	16	174	15.2%	46
30-34	65	19.5%	18	65	15.9%	18	81	20.0%	22	211	18.4%	58
35-39	33	9.9%	9	50	12.3%	13	48	11.9%	13	131	11.4%	35
40-44	27	8.1%	8	41	10.0%	12	35	8.6%	10	103	9.0%	30
45-49	18	5.4%	5	39	9.6%	11	26	6.4%	8	83	7.2%	24
50+	76	22.8%	3	83	20.3%	4	69	17.0%	3	228	19.9%	10
Unknown	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 – 2022

	Early Total			Late Latent			Congenital			All stages		
	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates	Cases	Percent	Rates
Total	1146	100.0%	20	741	100.0%	13	29	100.0%	0	1,916	100.0%	33
Gender												
Male	815	71.1%	28	432	58.3%	15	13	44.8%	0	1260	65.8%	43
Female	317	27.7%	11	294	39.7%	10	15	51.7%	1	626	32.7%	21
Transgender Female	12	1.0%	-	4	0.5%	-	0	0.0%	-	16	0.8%	-
Transgender Male	1	0.1%	-	9	1.2%	-	0	0.0%	-	10	0.5%	-
Unknown	1	0.1%	-	2	0.3%	-	1	3.4%	-	4	0.2%	-
Race/Ethnicity												
White	322	28.1%	7	220	29.7%	5	3	10.3%	*	545	28.4%	11
Black	615	53.7%	149	339	45.7%	82	19	65.5%	5	973	50.8%	236
Native American	19	1.7%	33	16	2.2%	28	0	0.0%	0	35	1.8%	61
Asian	24	2.1%	13	10	1.3%	5^	0	0.0%	0	34	1.8%	18
Hispanic	141	12.3%	33	138	18.6%	32	3	10.3%	*	282	14.7%	66
Other/Unknown	25	2.2%	-	18	2.4%	-	4	13.8%	-	47	2.5%	-
Age												
0-4	0	0.0%	0	0	0.0%	0	29	100.0%	9	29	1.5%	9
5-9	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
10-14	1	0.1%	*	1	0.1%	*	0	0.0%	0	2	0.1%	*
15-19	47	4.1%	12	29	3.9%	8	0	0.0%	0	76	4.0%	20
20-24	168	14.7%	43	92	12.4%	23	0	0.0%	0	260	13.6%	66
25-29	174	15.2%	46	129	17.4%	34	0	0.0%	0	303	15.8%	79
30-34	211	18.4%	58	137	18.5%	38	0	0.0%	0	348	18.2%	96
35-39	131	11.4%	35	95	12.8%	25	0	0.0%	0	226	11.8%	60
40-44	103	9.0%	30	64	8.6%	19	0	0.0%	0	167	8.7%	49
45-49	83	7.2%	24	60	8.1%	17	0	0.0%	0	143	7.5%	42
50+	228	19.9%	10	134	18.1%	6	0	0.0%	0	362	18.9%	16
Unknown	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-

*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 (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 unknown state cases are not included in this report.
7. 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.
8. 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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