

Sexually Transmitted Disease in Wisconsin 2016



Wisconsin sexually transmitted disease surveillance report, 2016

Northeastern Region

	Chlamydia*			Gonorrhea*			Syphilis*			Total*		
	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**
Total												
Total	4,249	100.0%	353	521	100.0%	43	51	100.0%	4	4,823	100.0%	400
Sex												
Male	1,194	28.1%	198	246	47.2%	41	43	84.3%	7	1,483	30.7%	246
Female	3,054	71.9%	507	275	52.8%	46	8	15.7%	1	3,339	69.2%	554
Unknown	1	0.0%	-	0	0.0%	-	0	0.0%	-	1	0.0%	-
Race												
White	3,162	74.4%	276	313	60.1%	27	42	82.4%	4	3,517	72.9%	307
African American	487	11.5%	2,917	146	28.0%	874	4	7.8%	24	638	13.2%	3,821
American Indian	169	4.0%	824	13	2.5%	63	1	2.0%	5	183	3.8%	892
Asian/Pacific Islander	87	2.0%	373	3	0.6%	13	0	0.0%	0	90	1.9%	386
Other	146	3.4%	-	15	2.9%	-	1	2.0%	-	163	3.4%	-
Unknown	198	4.7%	-	31	6.0%	-	3	5.9%	-	232	4.8%	-
Hispanic ethnicity												
Hispanic	353	8.3%	821	26	5.0%	60	4	7.8%	9	384	8.0%	893
Not Hispanic	3,390	79.8%	292	400	76.8%	34	45	88.2%	4	3,836	79.5%	330
Unknown	506	11.9%	-	95	18.2%	-	2	3.9%	-	603	12.5%	-
Age												
0-4	3	0.1%	4	0	0.0%	0	0	0.0%	0	3	0.1%	4
5-9	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
10-14	21	0.5%	27	1	0.2%	1	0	0.0%	0	22	0.5%	29
15-19	1,094	25.7%	1,324	101	19.4%	122	0	0.0%	0	1,195	24.8%	1,446
20-24	1,716	40.4%	2,214	160	30.7%	206	12	23.5%	15	1,888	39.1%	2,436
25-29	789	18.6%	932	113	21.7%	133	9	17.6%	11	912	18.9%	1,077
30-34	316	7.4%	435	65	12.5%	89	3	5.9%	4	384	8.0%	528
35-39	177	4.2%	230	42	8.1%	55	7	13.7%	9	226	4.7%	293
40-44	70	1.6%	79	19	3.6%	21	8	15.7%	9	98	2.0%	111
45-49	32	0.8%	32	12	2.3%	12	4	7.8%	4	48	1.0%	49
50+	27	0.6%	7	8	1.5%	2	8	15.7%	2	43	0.9%	11
Unknown	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
Region of residence												
Northeastern	4,249	100.0%	353	521	100.0%	43	51	100.0%	4	4,823	100.0%	400
Northern	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
Southeastern	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
Southern	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
Western	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%	-

* Demographic breakdown not available for diseases with less than 5 cases reported

** Cases per 100,000 population

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Reported cases by region and county

Northeastern Region

Region/County	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
Northeastern												
Brown	1,090	25.7%	445	97	18.6%	40	7	13.7%	3	1,194	24.8%	487
Calumet	99	2.3%	221	12	2.3%	27	0	0.0%	0	111	2.3%	248
Door	57	1.3%	205	6	1.2%	22	2	3.9%	7	65	1.3%	234
Fond du lac	329	7.7%	331	103	19.8%	104	4	7.8%	4	436	9.0%	438
Green Lake	43	1.0%	232	2	0.4%	11	0	0.0%	0	45	0.9%	242
Kewaunee	27	0.6%	132	1	0.2%	5	0	0.0%	0	28	0.6%	137
Manitowoc	204	4.8%	253	45	8.6%	56	0	0.0%	0	249	5.2%	309
Marinette	125	2.9%	296	4	0.8%	9	2	3.9%	5	131	2.7%	310
Marquette	31	0.7%	206	1	0.2%	7	0	0.0%	0	32	0.7%	212
Menominee	35	0.8%	766	3	0.6%	66	0	0.0%	0	38	0.8%	831
Oconto	96	2.3%	256	2	0.4%	5	1	2.0%	3	99	2.1%	264
Outagamie	638	15.0%	365	79	15.2%	45	14	27.5%	8	731	15.2%	418
Shawano	99	2.3%	242	2	0.4%	5	1	2.0%	2	102	2.1%	249
Sheboygan	389	9.2%	340	46	8.8%	40	4	7.8%	3	441	9.1%	385
Waupaca	156	3.7%	301	9	1.7%	17	2	3.9%	4	167	3.5%	322
Waushara	44	1.0%	178	4	0.8%	16	0	0.0%	0	48	1.0%	194
Winnebago	787	18.5%	485	105	20.2%	65	14	27.5%	9	906	18.8%	559
Region total	4,249	100.0%	353	521	100.0%	43	51	100.0%	4	4,823	100.0%	400
Total	4,249	100.0%	353	521	100.0%	43	51	100.0%	4	4,823	100.0%	400

* Cases per 100,000 population

Wisconsin sexually transmitted disease surveillance report, 2016
Unadjusted* and imputed cases per 100,000 population by race**
Northeastern Region

	White		African American		American Indian		Asian/Pacific Islander	
	Unadjusted*	Imputed**	Unadjusted*	Imputed**	Unadjusted*	Imputed**	Unadjusted*	Imputed**
Chlamydia	276	298	2,917	3,094	824	914	373	396
Gonorrhea	27	29	874	924	63	64	13	13
Other	0	0	6	6	0	0	0	0
Syphilis	4	4	24	24	5	5	0	0
Total	307	330	3,821	4,048	892	982	386	409

* The unadjusted rate is the number of reported cases with specified race per 100,000 population. Because some cases are reported without specified race, the unadjusted rate underestimates actual morbidity and thus should be regarded as a minimum estimate.

** The imputed rate takes into consideration cases reported without race specified. To calculate the imputed rate, reported cases with unspecified race were statistically allocated using the age-sex-county-specific race distribution for cases with specified race. Thus, imputed rates specified in this table are estimates.

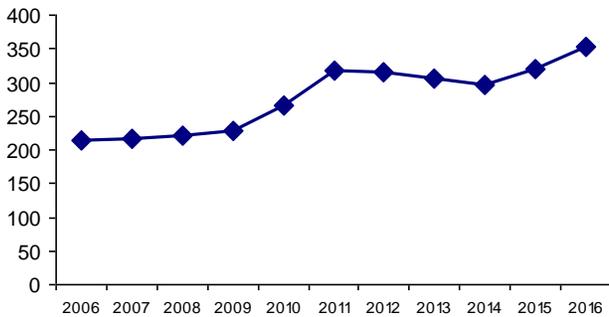
Wisconsin sexually transmitted disease surveillance report, 2016

Reported cases by year of diagnosis, past 10 years

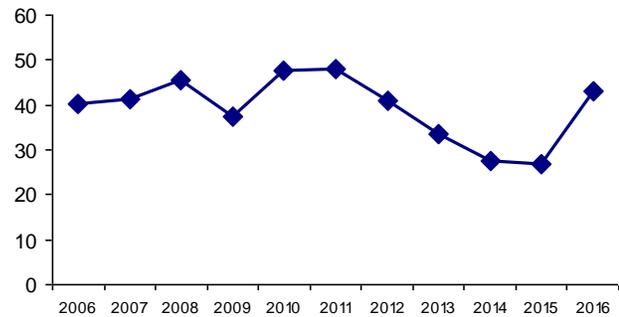
Northeastern Region

Year	Chlamydia		Gonorrhea		Syphilis		Total	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
2007	2,592	216	494	41	12	1	3,098	258
2008	2,664	221	549	46	14	1	3,227	268
2009	2,739	227	451	37	16	1	3,206	266
2010	3,194	265	573	48	7	1	3,774	313
2011	3,830	318	579	48	11	1	4,420	367
2012	3,800	315	495	41	29	2	4,324	359
2013	3,692	306	406	34	28	2	4,127	342
2014	2,585	214	330	27	17	1	3,933	326
2015	3,864	321	325	27	22	2	4,211	349
2016	4,249	353	521	43	30	2	4,800	398

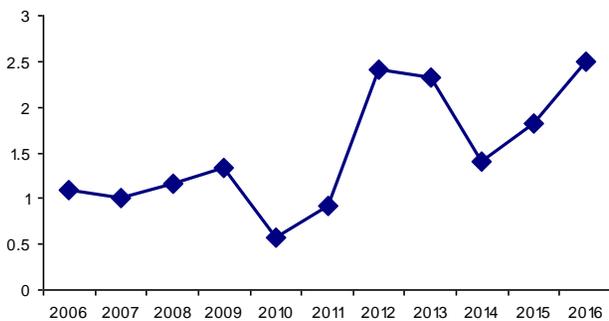
Chlamydia rate*



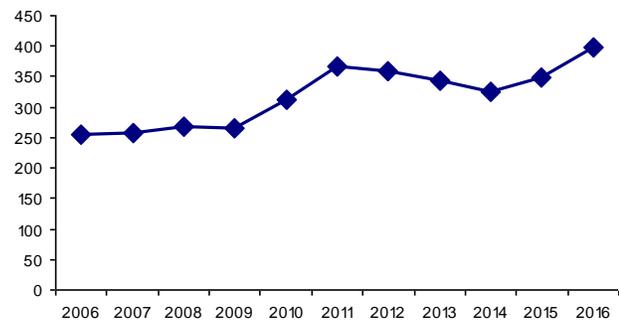
Gonorrhea rate*



Syphilis rate*



Total rate*



* Cases per 100,000 population

Wisconsin sexually transmitted disease surveillance report, 2016

Syphilis cases by disease stage

Northeastern Region

	Primary			Secondary			Early latent			Early total**		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
Total												
Total	10	100.0%	0.8	12	100.0%	1.0	8	100.0%	0.7	30	100.0%	2.5
Sex												
Male	7	70.0%	1.2	12	100.0%	2.0	6	75.0%	1.0	25	83.3%	4.1
Female	3	30.0%	0.5	0	0.0%	0.0	2	25.0%	0.3	5	16.7%	0.8
Race												
White	9	90.0%	0.8	9	75.0%	0.8	7	87.5%	0.6	25	83.3%	2.2
African American	0	0.0%	0.0	2	16.7%	12.0	1	12.5%	6.0	3	10.0%	18.0
American Indian	1	10.0%	4.9	0	0.0%	0.0	0	0.0%	0.0	1	3.3%	4.9
Other	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
Unknown	0	0.0%	-	1	8.3%	-	0	0.0%	-	1	3.3%	-
Hispanic ethnicity												
Hispanic	1	10.0%	2.3	0	0.0%	0.0	0	0.0%	0.0	1	3.3%	2.3
Non Hispanic	9	90.0%	-	12	100.0%	-	8	100.0%	-	29	96.7%	-
Unknown	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
Age												
0-4	0	0.0%	0.0	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	0.0%	0.0
10-14	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
15-19	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
20-24	4	40.0%	5.2	3	25.0%	3.9	2	25.0%	2.6	9	30.0%	11.6
25-29	1	10.0%	1.2	2	16.7%	2.4	2	25.0%	2.4	5	16.7%	5.9
30-34	1	10.0%	1.4	1	8.3%	1.4	0	0.0%	0.0	2	6.7%	2.8
35-39	1	10.0%	1.3	2	16.7%	2.6	1	12.5%	1.3	4	13.3%	5.2
40-44	2	20.0%	2.3	2	16.7%	2.3	2	25.0%	2.3	6	20.0%	6.8
45-49	1	10.0%	1.0	0	0.0%	0.0	0	0.0%	0.0	1	3.3%	1.0
50+	0	0.0%	0.0	2	16.7%	0.5	1	12.5%	0.3	3	10.0%	0.8
Unknown	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-

* Cases per 100,000 population

** Primary, secondary and early latent cases

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Syphilis cases by disease stage

Northeastern Region

	Late latent			Unknown latency			Congenital			All stages		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
Total												
Total	21	100.0%	1.7	0	-	0.0	0	0.0%	0.0	51	100.0%	4.2
Sex												
Male	18	85.7%	3.0	0	-	0.0	0	0.0%	0.0	43	84.3%	7.1
Female	3	14.3%	0.5	0	-	0.0	0	0.0%	0.0	8	15.7%	1.3
Race												
White	17	81.0%	1.5	0	-	0.0	0	0.0%	0.0	42	82.4%	3.7
African American	1	4.8%	6.0	0	-	0.0	0	0.0%	0.0	4	7.8%	24.0
American Indian	0	0.0%	0.0	0	-	0.0	0	0.0%	0.0	1	2.0%	4.9
Other	1	4.8%	-	0	-	-	0	0.0%	-	1	2.0%	-
Unknown	2	9.5%	-	0	-	-	0	0.0%	-	3	5.9%	-
Hispanic ethnicity												
Hispanic	3	14.3%	7.0	0	-	0.0	0	0.0%	0.0	4	7.8%	9.3
Non Hispanic	16	76.2%	-	0	-	-	0	0.0%	-	45	88.2%	-
Unknown	2	9.5%	-	0	-	-	0	0.0%	-	2	3.9%	-
Age												
0-4	0	0.0%	0.0	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	0.0%	0.0
10-14	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
15-19	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
20-24	3	14.3%	3.9	0	0.0%	0.0	0	0.0%	0.0	12	23.5%	15.5
25-29	4	19.0%	4.7	0	0.0%	0.0	0	0.0%	0.0	9	17.6%	10.6
30-34	1	4.8%	1.4	0	0.0%	0.0	0	0.0%	0.0	3	5.9%	4.1
35-39	3	14.3%	3.9	0	0.0%	0.0	0	0.0%	0.0	7	13.7%	9.1
40-44	2	9.5%	2.3	0	0.0%	0.0	0	0.0%	0.0	8	15.7%	9.0
45-49	3	14.3%	3.0	0	0.0%	0.0	0	0.0%	0.0	4	7.8%	4.0
50+	5	23.8%	1.3	0	0.0%	0.0	0	0.0%	0.0	8	15.7%	2.0
Unknown	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-

* Cases per 100,000 population

Technical Notes

1. These reports are compiled by the Wisconsin STD Control Section and are based on STD case surveillance data collected by the Wisconsin Division of Public Health (DPH). In Wisconsin, state statutes require health care providers to report cases of chlamydia, gonorrhea, syphilis, chancroid, and pelvic inflammatory disease to local health departments. Local health departments in turn forward reports to DPH.
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 STD cases is incomplete. Reporting rates may vary by disease, geographic region, and demographic groups. At any time, reported STD cases represent only part of the total number of diagnosed cases, therefore STD surveillance data likely underestimates total STD morbidity.
4. In these reports, rates presented are cases per 100,000 population. Rates are not calculated for categories with small numbers of cases. See each report for the rate calculation threshold.
5. Typically a significant number of STD cases are reported with unspecified race. When noted, imputed race-specific rates have been calculated. To calculate the imputed rate, reported cases with unspecified race were statistically allocated using the county-specific race distribution among cases with specified race. Thus, imputed rates specified in this table are estimates and should be used only for comparison.
6. In these reports, cases are allocated to the county of residence at the time of diagnosis. Cases diagnosed among inmates of correctional facilities are allocated to the county of the facility.

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