

# Sexually Transmitted Disease in Wisconsin 2016



# Wisconsin sexually transmitted disease surveillance report, 2016

## Southeastern Region

	Chlamydia*			Gonorrhea*			Syphilis*			Total*		
	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**
<b>Total</b>												
Total	13,996	100.0%	695	5,005	100.0%	249	253	100.0%	13	19,259	100.0%	956
<b>Sex</b>												
Male	4,438	31.7%	449	2,490	49.8%	252	216	85.4%	22	7,144	37.1%	722
Female	9,538	68.1%	931	2,509	50.1%	245	37	14.6%	4	12,089	62.8%	1,180
Unknown	20	0.1%	-	6	0.1%	-	0	0.0%	-	26	0.1%	-
<b>Race</b>												
White	3,268	23.3%	198	676	13.5%	41	72	28.5%	4	4,019	20.9%	243
African American	5,929	42.4%	2,002	2,743	54.8%	926	143	56.5%	48	8,816	45.8%	2,977
American Indian	37	0.3%	267	10	0.2%	72	1	0.4%	7	48	0.2%	347
Asian/Pacific Islander	119	0.9%	234	25	0.5%	49	2	0.8%	4	147	0.8%	289
Other	533	3.8%	-	98	2.0%	-	7	2.8%	-	638	3.3%	-
Unknown	4,110	29.4%	-	1,453	29.0%	-	28	11.1%	-	5,591	29.0%	-
<b>Hispanic ethnicity</b>												
Hispanic	823	5.9%	464	187	3.7%	105	26	10.3%	15	1,037	5.4%	585
Not Hispanic	5,012	35.8%	273	1,931	38.6%	105	205	81.0%	11	7,152	37.1%	389
Unknown	8,161	58.3%	-	2,887	57.7%	-	22	8.7%	-	11,070	57.5%	-
<b>Age</b>												
0-4	4	0.0%	3	1	0.0%	1	0	0.0%	0	5	0.0%	4
5-9	4	0.0%	3	2	0.0%	1	0	0.0%	0	6	0.0%	4
10-14	163	1.2%	119	74	1.5%	54	0	0.0%	0	237	1.2%	173
15-19	4,153	29.7%	2,866	1,334	26.7%	920	16	6.3%	11	5,504	28.6%	3,798
20-24	5,149	36.8%	3,869	1,522	30.4%	1,144	47	18.6%	35	6,718	34.9%	5,048
25-29	2,556	18.3%	2,070	939	18.8%	761	64	25.3%	52	3,561	18.5%	2,884
30-34	1,015	7.3%	849	468	9.4%	392	26	10.3%	22	1,509	7.8%	1,263
35-39	436	3.1%	327	245	4.9%	184	26	10.3%	19	707	3.7%	530
40-44	230	1.6%	156	156	3.1%	106	18	7.1%	12	406	2.1%	275
45-49	145	1.0%	89	97	1.9%	59	22	8.7%	13	264	1.4%	161
50+	140	1.0%	22	166	3.3%	26	34	13.4%	5	340	1.8%	53
Unknown	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
<b>Region of residence</b>												
Northeastern	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
Northern	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
Southeastern	13,996	100.0%	695	5,005	100.0%	249	253	100.0%	13	19,259	100.0%	956
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

**Wisconsin sexually transmitted disease surveillance report, 2016**  
**Reported cases by region and county**  
**Southeastern Region**

Region/County	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
<b>Southeastern</b>												
Kenosha	950	6.8%	578	283	5.7%	172	17	6.7%	10	1,250	6.5%	760
Milwaukee	10,766	76.9%	1,129	4,323	86.4%	453	210	83.0%	22	15,301	79.4%	1,605
Ozaukee	126	0.9%	147	18	0.4%	21	0	0.0%	0	144	0.7%	168
Racine	820	5.9%	411	213	4.3%	107	8	3.2%	4	1,043	5.4%	523
Walworth	304	2.2%	302	29	0.6%	29	1	0.4%	1	334	1.7%	332
Washington	243	1.7%	188	27	0.5%	21	3	1.2%	2	273	1.4%	211
Waukesha	787	5.6%	207	112	2.2%	29	14	5.5%	4	914	4.7%	240
<b>Region total</b>	<b>13,996</b>	<b>100.0%</b>	<b>695</b>	<b>5,005</b>	<b>100.0%</b>	<b>249</b>	<b>253</b>	<b>100.0%</b>	<b>13</b>	<b>19,259</b>	<b>100.0%</b>	<b>956</b>
<b>Total</b>	<b>13,996</b>	<b>100.0%</b>	<b>695</b>	<b>5,005</b>	<b>100.0%</b>	<b>249</b>	<b>253</b>	<b>100.0%</b>	<b>13</b>	<b>19,259</b>	<b>100.0%</b>	<b>956</b>

\* Cases per 100,000 population

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

	White		African American		American Indian		Asian/Pacific Islander	
	Unadjusted*	Imputed**	Unadjusted*	Imputed**	Unadjusted*	Imputed**	Unadjusted*	Imputed**
Chlamydia	198	288	2,002	3,028	267	402	234	337
Gonorrhea	41	58	926	1,342	72	99	49	71
Other	0	0	0	0	0	0	2	2
Syphilis	4	5	48	52	7	8	4	4
<b>Total</b>	<b>243</b>	<b>351</b>	<b>2,977</b>	<b>4,422</b>	<b>347</b>	<b>509</b>	<b>289</b>	<b>415</b>

\* 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.

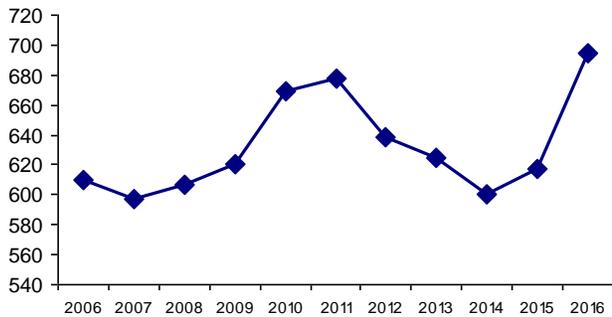
# Wisconsin sexually transmitted disease surveillance report, 2016

## Reported cases by year of diagnosis, past 10 years

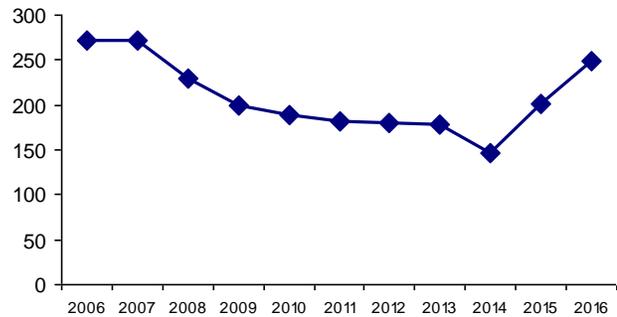
### Southeastern Region

Year	Chlamydia		Gonorrhea		Syphilis		Total	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
2007	11,969	597	5,457	272	132	7	17,558	875
2008	12,220	607	4,615	229	145	7	16,980	843
2009	12,488	620	4,002	199	120	6	16,610	825
2010	13,467	669	3,817	190	130	6	17,414	865
2011	13,656	678	3,675	182	132	7	17,463	867
2012	12,869	639	3,622	180	181	9	16,672	828
2013	12,579	625	3,572	177	169	8	16,320	810
2014	12,085	600	2,950	146	194	10	15,229	756
2015	12,434	617	4,035	200	176	9	16,645	826
2016	13,996	695	5,005	249	175	9	19,181	952

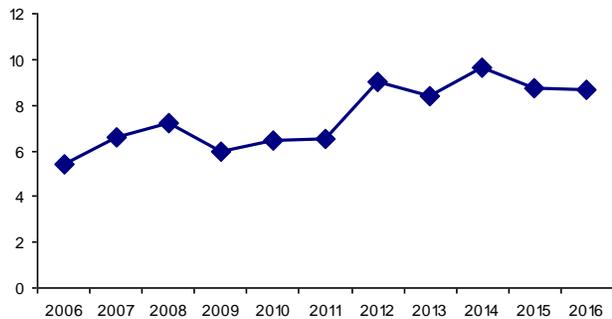
**Chlamydia rate\***



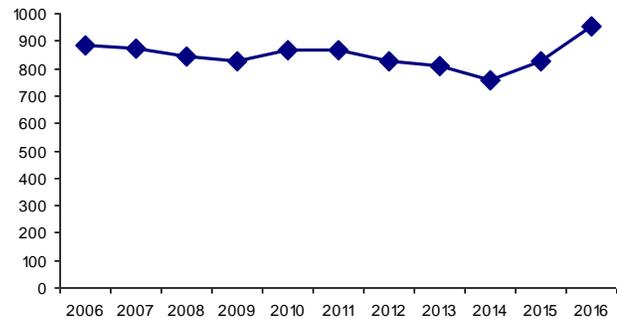
**Gonorrhea rate\***



**Syphilis rate\***



**Total rate\***



\* Cases per 100,000 population.

# Wisconsin sexually transmitted disease surveillance report, 2016

## Syphilis cases by disease stage

### Southeastern Region

	Primary			Secondary			Early latent			Early total**		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
<b>Total</b>												
Total	16	100.0%	0.8	40	100.0%	2.0	119	100.0%	5.9	175	100.0%	8.7
<b>Sex</b>												
Male	15	93.8%	1.5	39	97.5%	3.9	108	90.8%	10.9	162	92.6%	16.4
Female	1	6.3%	0.1	1	2.5%	0.1	11	9.2%	1.1	13	7.4%	1.3
<b>Race</b>												
White	5	31.3%	0.3	14	35.0%	0.8	35	29.4%	2.1	54	30.9%	3.3
African American	9	56.3%	3.0	19	47.5%	6.4	69	58.0%	23.3	97	55.4%	32.8
American Indian	0	0.0%	0.0	0	0.0%	0.0	1	0.8%	7.2	1	0.6%	7.2
Asian/Pacific Islander	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Other	0	0.0%	-	0	0.0%	-	2	1.7%	-	2	1.1%	-
Unknown	2	12.5%	-	7	17.5%	-	12	10.1%	-	21	12.0%	-
<b>Hispanic ethnicity</b>												
Hispanic	1	6.3%	0.6	5	12.5%	2.8	10	8.4%	5.6	16	9.1%	9.0
Non Hispanic	14	87.5%	-	29	72.5%	-	97	81.5%	-	140	80.0%	-
Unknown	1	6.3%	-	6	15.0%	-	12	10.1%	-	19	10.9%	-
<b>Age</b>												
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	1	6.3%	0.7	0	0.0%	0.0	11	9.2%	7.6	12	6.9%	8.3
20-24	2	12.5%	1.5	8	20.0%	6.0	24	20.2%	18.0	34	19.4%	25.5
25-29	6	37.5%	4.9	10	25.0%	8.1	34	28.6%	27.5	50	28.6%	40.5
30-34	2	12.5%	1.7	3	7.5%	2.5	14	11.8%	11.7	19	10.9%	15.9
35-39	1	6.3%	0.7	2	5.0%	1.5	11	9.2%	8.2	14	8.0%	10.5
40-44	0	0.0%	0.0	5	12.5%	3.4	6	5.0%	4.1	11	6.3%	7.4
45-49	4	25.0%	2.4	6	15.0%	3.7	7	5.9%	4.3	17	9.7%	10.4
50+	0	0.0%	0.0	6	15.0%	0.9	12	10.1%	1.9	18	10.3%	2.8
Unknown	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-

\* Cases per 100,000 population

\*\* Primary, secondary and early latent cases

# Wisconsin sexually transmitted disease surveillance report, 2016

## Syphilis cases by disease stage

### Southeastern Region

	Late latent			Unknown latency			Congenital			All stages		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
<b>Total</b>												
Total	78	100.0%	3.9	0	-	0.0	0	0.0%	0.0	253	100.0%	12.6
<b>Sex</b>												
Male	54	69.2%	5.5	0	-	0.0	0	0.0%	0.0	216	85.4%	21.8
Female	24	30.8%	2.3	0	-	0.0	0	0.0%	0.0	37	14.6%	3.6
<b>Race</b>												
White	18	23.1%	1.1	0	-	0.0	0	0.0%	0.0	72	28.5%	4.4
African American	46	59.0%	15.5	0	-	0.0	0	0.0%	0.0	143	56.5%	48.3
American Indian	0	0.0%	0.0	0	-	0.0	0	0.0%	0.0	1	0.4%	7.2
Asian/Pacific Islander	2	2.6%	3.9	0	-	0.0	0	0.0%	0.0	2	0.8%	3.9
Other	5	6.4%	-	0	-	-	0	0.0%	-	7	2.8%	-
Unknown	7	9.0%	-	0	-	-	0	0.0%	-	28	11.1%	-
<b>Hispanic ethnicity</b>												
Hispanic	10	12.8%	5.6	0	-	0.0	0	0.0%	0.0	26	10.3%	14.7
Non Hispanic	65	83.3%	-	0	-	-	0	0.0%	-	205	81.0%	-
Unknown	3	3.8%	-	0	-	-	0	0.0%	-	22	8.7%	-
<b>Age</b>												
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	4	5.1%	2.8	0	0.0%	0.0	0	0.0%	0.0	16	6.3%	11.0
20-24	13	16.7%	9.8	0	0.0%	0.0	0	0.0%	0.0	47	18.6%	35.3
25-29	14	17.9%	11.3	0	0.0%	0.0	0	0.0%	0.0	64	25.3%	51.8
30-34	7	9.0%	5.9	0	0.0%	0.0	0	0.0%	0.0	26	10.3%	21.8
35-39	12	15.4%	9.0	0	0.0%	0.0	0	0.0%	0.0	26	10.3%	19.5
40-44	7	9.0%	4.7	0	0.0%	0.0	0	0.0%	0.0	18	7.1%	12.2
45-49	5	6.4%	3.1	0	0.0%	0.0	0	0.0%	0.0	22	8.7%	13.4
50+	16	20.5%	2.5	0	0.0%	0.0	0	0.0%	0.0	34	13.4%	5.3
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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