

# Sexually Transmitted Disease in Wisconsin 2016



# Wisconsin sexually transmitted disease surveillance report, 2016

## Persons 15-19 years of age

	Chlamydia*			Gonorrhea*			Syphilis*			Total*		
	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**
<b>Total</b>												
Total	7,369	100.0%	1,852	1,632	100.0%	410	19	100.0%	5	9,024	100.0%	2,268
<b>Sex</b>												
Male	1,568	21.3%	766	594	36.4%	290	13	68.4%	6	2,175	24.1%	1,063
Female	5,789	78.6%	2,997	1,033	63.3%	535	6	31.6%	3	6,832	75.7%	3,537
Unknown	12	0.2%	-	5	0.3%	-	0	0.0%	-	17	0.2%	-
<b>Race</b>												
White	2,856	38.8%	829	260	15.9%	75	0	0.0%	0	3,118	34.6%	905
African American	2,507	34.0%	6,827	910	55.8%	2,478	12	63.2%	33	3,429	38.0%	9,337
American Indian	91	1.2%	1,661	9	0.6%	164	0	0.0%	0	100	1.1%	1,826
Asian/Pacific Islander	57	0.8%	513	5	0.3%	45	1	5.3%	9	64	0.7%	576
Other	268	3.6%	-	43	2.6%	-	1	5.3%	-	312	3.5%	-
Unknown	1,590	21.6%	-	405	24.8%	-	5	26.3%	-	2,001	22.2%	-
<b>Hispanic ethnicity</b>												
Hispanic	523	7.1%	2,248	64	3.9%	275	1	5.3%	4	588	6.5%	2,527
Not Hispanic	3,997	54.2%	1,067	765	46.9%	204	14	73.7%	4	4,778	52.9%	1,276
Unknown	2,849	38.7%	-	803	49.2%	-	4	21.1%	-	3,658	40.5%	-
<b>Age</b>												
0-4	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%	-
10-14	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
15-19	7,369	100.0%	1,852	1,632	100.0%	410	19	100.0%	5	9,024	100.0%	2,268
20-24	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
25-29	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
30-34	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
35-39	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
40-44	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
45-49	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
50+	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%	-
<b>Region of residence</b>												
Northeastern	1,094	14.8%	1,324	101	6.2%	122	0	0.0%	0	1,195	13.2%	1,446
Northern	336	4.6%	1,005	9	0.6%	27	0	0.0%	0	345	3.8%	1,032
Southeastern	4,153	56.4%	2,866	1,334	81.7%	920	16	84.2%	11	5,504	61.0%	3,798
Southern	1,150	15.6%	1,420	159	9.7%	196	3	15.8%	4	1,315	14.6%	1,624
Western	636	8.6%	1,139	29	1.8%	52	0	0.0%	0	665	7.4%	1,191
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

### Persons 15-19 years of age

Region/County	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
<b>Northeastern</b>												
Brown	277	3.8%	1,588	15	0.9%	86	0	0.0%	0	292	3.2%	1,674
Calumet	18	0.2%	597	2	0.1%	66	0	0.0%	0	20	0.2%	663
Door	17	0.2%	1,038	2	0.1%	122	0	0.0%	0	19	0.2%	1,160
Fond du lac	58	0.8%	813	11	0.7%	154	0	0.0%	0	69	0.8%	967
Green Lake	11	0.1%	1,019	1	0.1%	93	0	0.0%	0	12	0.1%	1,112
Kewaunee	5	0.1%	395	0	0.0%	0	0	0.0%	0	5	0.1%	395
Manitowoc	40	0.5%	749	9	0.6%	169	0	0.0%	0	49	0.5%	918
Marinette	42	0.6%	1,490	0	0.0%	0	0	0.0%	0	42	0.5%	1,490
Marquette	10	0.1%	1,178	1	0.1%	118	0	0.0%	0	11	0.1%	1,296
Menominee	12	0.2%	2,609	3	0.2%	652	0	0.0%	0	15	0.2%	3,261
Oconto	30	0.4%	1,233	0	0.0%	0	0	0.0%	0	30	0.3%	1,233
Outagamie	149	2.0%	1,195	17	1.0%	136	0	0.0%	0	166	1.8%	1,332
Shawano	23	0.3%	858	0	0.0%	0	0	0.0%	0	23	0.3%	858
Sheboygan	114	1.5%	1,498	10	0.6%	131	0	0.0%	0	124	1.4%	1,629
Waupaca	62	0.8%	1,857	1	0.1%	30	0	0.0%	0	63	0.7%	1,887
Waushara	11	0.1%	657	0	0.0%	0	0	0.0%	0	11	0.1%	657
Winnebago	215	2.9%	1,892	29	1.8%	255	0	0.0%	0	244	2.7%	2,147
<b>Region total</b>	<b>1,094</b>	<b>14.8%</b>	<b>1,324</b>	<b>101</b>	<b>6.2%</b>	<b>122</b>	<b>0</b>	<b>0.0%</b>	<b>0</b>	<b>1,195</b>	<b>13.2%</b>	<b>1,446</b>
<b>Northern</b>												
Ashland	11	0.1%	847	0	0.0%	0	0	0.0%	0	11	0.1%	847
Bayfield	7	0.1%	699	0	0.0%	0	0	0.0%	0	7	0.1%	699
Florence	2	0.0%	683	0	0.0%	0	0	0.0%	0	2	0.0%	683
Forest	14	0.2%	1,889	2	0.1%	270	0	0.0%	0	16	0.2%	2,159
Iron	3	0.0%	875	0	0.0%	0	0	0.0%	0	3	0.0%	875
Langlade	6	0.1%	473	0	0.0%	0	0	0.0%	0	6	0.1%	473
Lincoln	20	0.3%	960	1	0.1%	48	0	0.0%	0	21	0.2%	1,008
Marathon	80	1.1%	873	2	0.1%	22	0	0.0%	0	82	0.9%	894
Oneida	18	0.2%	842	1	0.1%	47	0	0.0%	0	19	0.2%	889
Portage	63	0.9%	1,066	2	0.1%	34	0	0.0%	0	65	0.7%	1,099
Price	6	0.1%	673	0	0.0%	0	0	0.0%	0	6	0.1%	673
Sawyer	13	0.2%	1,255	0	0.0%	0	0	0.0%	0	13	0.1%	1,255
Taylor	18	0.2%	1,467	0	0.0%	0	0	0.0%	0	18	0.2%	1,467
Vilas	7	0.1%	561	0	0.0%	0	0	0.0%	0	7	0.1%	561
Wood	68	0.9%	1,424	1	0.1%	21	0	0.0%	0	69	0.8%	1,445
<b>Region total</b>	<b>336</b>	<b>4.6%</b>	<b>1,005</b>	<b>9</b>	<b>0.6%</b>	<b>27</b>	<b>0</b>	<b>0.0%</b>	<b>0</b>	<b>345</b>	<b>3.8%</b>	<b>1,032</b>
<b>Southeastern</b>												
Kenosha	341	4.6%	2,640	91	5.6%	704	1	5.3%	8	433	4.8%	3,352
Milwaukee	3,240	44.0%	4,624	1,146	70.2%	1,636	15	78.9%	21	4,402	48.8%	6,282
Ozaukee	27	0.4%	431	2	0.1%	32	0	0.0%	0	29	0.3%	463
Racine	257	3.5%	1,835	64	3.9%	457	0	0.0%	0	321	3.6%	2,292
Walworth	57	0.8%	801	9	0.6%	127	0	0.0%	0	66	0.7%	928
Washington	58	0.8%	687	3	0.2%	36	0	0.0%	0	61	0.7%	722
Waukesha	173	2.3%	663	19	1.2%	73	0	0.0%	0	192	2.1%	735
<b>Region total</b>	<b>4,153</b>	<b>56.4%</b>	<b>2,866</b>	<b>1,334</b>	<b>81.7%</b>	<b>920</b>	<b>16</b>	<b>84.2%</b>	<b>11</b>	<b>5,504</b>	<b>61.0%</b>	<b>3,798</b>

Region/County	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
<b>Southern</b>												
Adams	11	0.1%	1,062	0	0.0%	0	0	0.0%	0	11	0.1%	1,062
Columbia	40	0.5%	1,168	3	0.2%	88	0	0.0%	0	43	0.5%	1,256
Crawford	10	0.1%	737	1	0.1%	74	0	0.0%	0	11	0.1%	811
Dane	557	7.6%	1,616	72	4.4%	209	3	15.8%	9	632	7.0%	1,833
Dodge	46	0.6%	833	3	0.2%	54	0	0.0%	0	50	0.6%	905
Grant	31	0.4%	707	4	0.2%	91	0	0.0%	0	35	0.4%	798
Green	18	0.2%	779	2	0.1%	87	0	0.0%	0	20	0.2%	865
Iowa	11	0.1%	697	1	0.1%	63	0	0.0%	0	12	0.1%	760
Jefferson	51	0.7%	832	3	0.2%	49	0	0.0%	0	55	0.6%	897
Juneau	23	0.3%	1,358	0	0.0%	0	0	0.0%	0	23	0.3%	1,358
Lafayette	8	0.1%	700	0	0.0%	0	0	0.0%	0	8	0.1%	700
Richland	9	0.1%	729	0	0.0%	0	0	0.0%	0	9	0.1%	729
Rock	246	3.3%	2,223	69	4.2%	624	0	0.0%	0	315	3.5%	2,847
Sauk	70	0.9%	1,905	0	0.0%	0	0	0.0%	0	71	0.8%	1,932
Vernon	19	0.3%	973	1	0.1%	51	0	0.0%	0	20	0.2%	1,025
<b>Region total</b>	<b>1,150</b>	<b>15.6%</b>	<b>1,420</b>	<b>159</b>	<b>9.7%</b>	<b>196</b>	<b>3</b>	<b>15.8%</b>	<b>4</b>	<b>1,315</b>	<b>14.6%</b>	<b>1,624</b>
<b>Western</b>												
Barron	27	0.4%	937	1	0.1%	35	0	0.0%	0	28	0.3%	972
Buffalo	12	0.2%	1,394	0	0.0%	0	0	0.0%	0	12	0.1%	1,394
Burnett	6	0.1%	641	0	0.0%	0	0	0.0%	0	6	0.1%	641
Chippewa	69	0.9%	1,730	2	0.1%	50	0	0.0%	0	71	0.8%	1,780
Clark	17	0.2%	723	0	0.0%	0	0	0.0%	0	17	0.2%	723
Douglas	30	0.4%	1,045	2	0.1%	70	0	0.0%	0	32	0.4%	1,114
Dunn	41	0.6%	1,039	1	0.1%	25	0	0.0%	0	42	0.5%	1,064
Eau Claire	123	1.7%	1,483	5	0.3%	60	0	0.0%	0	128	1.4%	1,543
Jackson	19	0.3%	1,509	3	0.2%	238	0	0.0%	0	22	0.2%	1,747
La Crosse	112	1.5%	1,210	8	0.5%	86	0	0.0%	0	120	1.3%	1,297
Monroe	47	0.6%	1,585	4	0.2%	135	0	0.0%	0	51	0.6%	1,719
Pepin	3	0.0%	613	0	0.0%	0	0	0.0%	0	3	0.0%	613
Pierce	30	0.4%	798	2	0.1%	53	0	0.0%	0	32	0.4%	852
Polk	27	0.4%	939	0	0.0%	0	0	0.0%	0	27	0.3%	939
Rusk	9	0.1%	953	0	0.0%	0	0	0.0%	0	9	0.1%	953
St. Croix	38	0.5%	696	1	0.1%	18	0	0.0%	0	39	0.4%	714
Trempealeau	20	0.3%	1,134	0	0.0%	0	0	0.0%	0	20	0.2%	1,134
Washburn	6	0.1%	628	0	0.0%	0	0	0.0%	0	6	0.1%	628
<b>Region total</b>	<b>636</b>	<b>8.6%</b>	<b>1,139</b>	<b>29</b>	<b>1.8%</b>	<b>52</b>	<b>0</b>	<b>0.0%</b>	<b>0</b>	<b>665</b>	<b>7.4%</b>	<b>1,191</b>
<b>Unknown</b>												
Unknown	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
<b>Region total</b>	<b>0</b>	<b>0.0%</b>		<b>0</b>	<b>0.0%</b>		<b>0</b>	<b>0.0%</b>		<b>0</b>	<b>0.0%</b>	
<b>Total</b>	<b>7,369</b>	<b>100.0%</b>	<b>1,852</b>	<b>1,632</b>	<b>100.0%</b>	<b>410</b>	<b>19</b>	<b>100.0%</b>	<b>5</b>	<b>9,024</b>	<b>100.0%</b>	<b>2,268</b>

\* Cases per 100,000 population

**Wisconsin sexually transmitted disease surveillance report, 2016**  
**Unadjusted\* and imputed\*\* cases per 100,000 population by race**  
***Persons 15-19 years of age***

	White		African American		American Indian		Asian/Pacific Islander	
	Unadjusted*	Imputed**	Unadjusted*	Imputed**	Unadjusted*	Imputed**	Unadjusted*	Imputed**
Chlamydia	829	1,017	6,827	9,849	1,661	1,920	513	668
Gonorrhea	75	94	2,478	3,469	164	198	45	56
Other	1	1	0	0	0	0	9	9
Syphilis	0	0	33	38	0	0	9	9
<b>Total</b>	905	1,112	9,337	13,356	1,826	2,118	576	742

\* 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.

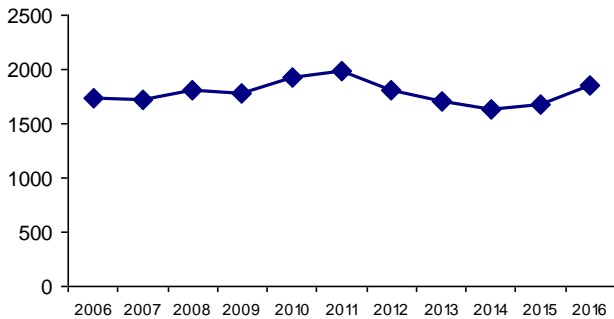
# Wisconsin sexually transmitted disease surveillance report, 2016

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

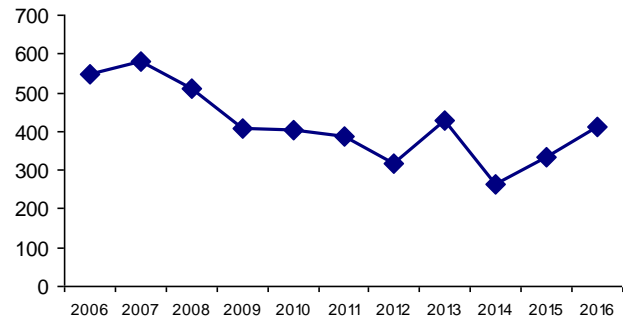
### Persons 15-19 years of age

Year	Chlamydia		Gonorrhea		Syphilis		Total	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
2007	6,900	1,724	2,317	579	11	3	9,228	2,306
2008	7,188	1,807	2,033	511	10	3	9,231	2,320
2009	7,102	1,785	1,624	408	14	4	8,740	2,197
2010	7,649	1,923	1,612	405	14	4	9,275	2,331
2011	7,869	1,978	1,542	388	15	4	9,426	2,369
2012	7,195	1,809	1,265	318	14	4	8,474	2,130
2013	6,773	1,703	1,703	428	20	5	7,943	1,997
2014	6,497	1,633	1,054	265	13	3	7,564	1,901
2015	6,654	1,673	1,332	335	8	2	7,994	2,009
2016	7,369	1,852	1,632	410	14	4	9,019	2,267

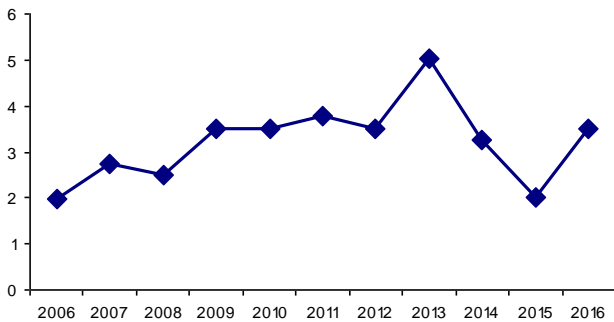
**Chlamydia rate\***



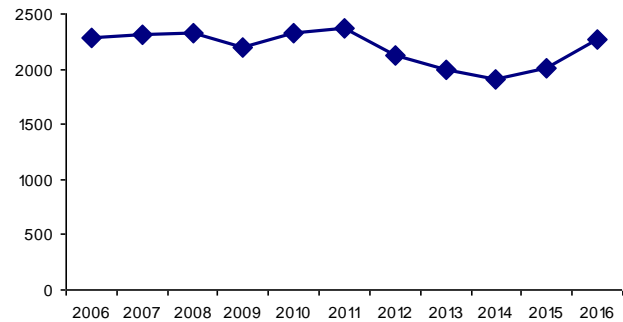
**Gonorrhea rate\***



**Syphilis rate\***



**Total rate\***



\* Cases per 100,000 population

# Wisconsin sexually transmitted disease surveillance report, 2016

## Syphilis cases by disease stage

### Persons 15-19 years of age

	Primary			Secondary			Early latent			Early total**		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
<b>Total</b>												
Total	2	100.0%	0.5	1	100.0%	0.3	11	100.0%	2.8	14	100.0%	3.5
<b>Sex</b>												
Male	2	100.0%	1.0	1	100.0%	0.5	7	63.6%	3.4	10	71.4%	4.9
Female	0	0.0%	0.0	0	0.0%	0.0	4	36.4%	2.1	4	28.6%	2.1
<b>Race</b>												
African American	1	50.0%	2.7	1	100.0%	2.7	8	72.7%	21.8	10	71.4%	27.2
Asian/Pacific Islander	1	50.0%	9.0	0	0.0%	0.0	0	0.0%	0.0	1	7.1%	9.0
Other	0	0.0%	-	0	0.0%	-	1	9.1%	-	1	7.1%	-
Unknown	0	0.0%	-	0	0.0%	-	2	18.2%	-	2	14.3%	-
<b>Hispanic ethnicity</b>												
Hispanic	0	0.0%	0.0	0	0.0%	0.0	1	9.1%	4.3	1	7.1%	4.3
Non Hispanic	2	100.0%	-	1	100.0%	-	7	63.6%	-	10	71.4%	-
Unknown	0	0.0%	-	0	0.0%	-	3	27.3%	-	3	21.4%	-
<b>Age</b>												
0-4	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%	-
10-14	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
15-19	2	100.0%	0.5	1	100.0%	0.3	11	100.0%	2.8	14	100.0%	3.5
20-24	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
25-29	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
30-34	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
35-39	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
40-44	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
45-49	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
50+	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%	-

\* Cases per 100,000 population

\*\* Primary, secondary and early latent cases

# Wisconsin sexually transmitted disease surveillance report, 2016

## Syphilis cases by disease stage

### Persons 15-19 years of age

	Late latent			Unknown latency			Congenital			All stages		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
<b>Total</b>												
Total	5	100.0%	1.3	0	-	0.0	0	0.0%	0.0	19	100.0%	4.8
<b>Sex</b>												
Male	3	60.0%	1.5	0	-	0.0	0	0.0%	0.0	13	68.4%	6.4
Female	2	40.0%	1.0	0	-	0.0	0	0.0%	0.0	6	31.6%	3.1
<b>Race</b>												
African American	2	40.0%	5.4	0	-	0.0	0	0.0%	0.0	12	63.2%	32.7
Asian/Pacific Islander	0	0.0%	0.0	0	-	0.0	0	0.0%	0.0	1	5.3%	9.0
Other	0	0.0%	-	0	-	-	0	0.0%	-	1	5.3%	-
Unknown	3	60.0%	-	0	-	-	0	0.0%	-	5	26.3%	-
<b>Hispanic ethnicity</b>												
Hispanic	0	0.0%	0.0	0	-	0.0	0	0.0%	0.0	1	5.3%	4.3
Non Hispanic	4	80.0%	-	0	-	-	0	0.0%	-	14	73.7%	-
Unknown	1	20.0%	-	0	-	-	0	0.0%	-	4	21.1%	-
<b>Age</b>												
0-4	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%	-
10-14	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
15-19	5	100.0%	1.3	0	0.0%	0.0	0	0.0%	0.0	19	100.0%	4.8
20-24	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
25-29	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
30-34	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
35-39	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
40-44	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
45-49	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
50+	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%	-

\* 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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