

# Sexually Transmitted Disease in Wisconsin 2015



# Wisconsin sexually transmitted disease surveillance report, 2015

	Chlamydia*			Gonorrhea*			Syphilis*			Total*		
	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**
<b>Total</b>												
Total	23,945	100.0%	425	5,253	100.0%	93	261	100.0%	5	29,459	100.0%	523
<b>Sex</b>												
Male	7,411	31.0%	265	2,679	51.0%	96	237	90.8%	8	10,327	35.1%	369
Female	16,518	69.0%	584	2,568	48.9%	91	24	9.2%	1	19,110	64.9%	675
Unknown	16	0.1%	-	6	0.1%	-	0	0.0%	-	22	0.1%	-
<b>Race</b>												
White	10,983	45.9%	216	1,089	20.7%	21	141	54.0%	3	12,213	41.5%	240
African American	6,791	28.4%	1,870	2,881	54.8%	793	92	35.2%	25	9,764	33.1%	2,688
American Indian	340	1.4%	567	48	0.9%	80	2	0.8%	3	390	1.3%	650
Asian/Pacific Islander	349	1.5%	283	31	0.6%	25	4	1.5%	3	384	1.3%	311
Other	624	2.6%	-	96	1.8%	-	3	1.1%	-	723	2.5%	-
Unknown	4,858	20.3%	-	1,108	21.1%	-	19	7.3%	-	5,985	20.3%	-
<b>Hispanic ethnicity</b>												
Hispanic	1,164	4.9%	407	147	2.8%	51	29	11.1%	10	1,340	4.5%	469
Not Hispanic	12,369	51.7%	232	2,414	46.0%	45	210	80.5%	4	14,993	50.9%	281
Unknown	10,412	43.5%	-	2,692	51.2%	-	22	8.4%	-	13,126	44.6%	-
<b>Age</b>												
0-4	8	0.0%	2	2	0.0%	1	1	0.4%	0	11	0.0%	3
5-9	2	0.0%	1	2	0.0%	1	0	0.0%	0	4	0.0%	1
10-14	188	0.8%	52	50	1.0%	14	0	0.0%	0	238	0.8%	66
15-19	6,654	27.8%	1,673	1,332	25.4%	335	8	3.1%	2	7,994	27.1%	2,009
20-24	9,526	39.8%	2,425	1,678	31.9%	427	49	18.8%	12	11,253	38.2%	2,864
25-29	4,179	17.5%	1,100	999	19.0%	263	54	20.7%	14	5,232	17.8%	1,377
30-34	1,802	7.5%	531	504	9.6%	148	36	13.8%	11	2,342	8.0%	690
35-39	804	3.4%	220	279	5.3%	76	31	11.9%	8	1,114	3.8%	305
40-44	392	1.6%	97	151	2.9%	37	27	10.3%	7	570	1.9%	141
45-49	189	0.8%	42	96	1.8%	21	17	6.5%	4	302	1.0%	67
50+	191	0.8%	10	160	3.0%	9	38	14.6%	2	389	1.3%	21
Unknown	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
<b>Region of residence</b>												
Northeastern	3,864	16.1%	321	325	6.2%	27	22	8.4%	2	4,211	14.3%	349
Northern	1,239	5.2%	256	59	1.1%	12	4	1.5%	1	1,302	4.4%	269
Southeastern	12,434	51.9%	617	4,035	76.8%	200	176	67.4%	9	16,645	56.5%	826
Southern	3,967	16.6%	342	635	12.1%	55	42	16.1%	4	4,644	15.8%	400
Western	2,441	10.2%	320	199	3.8%	26	17	6.5%	2	2,657	9.0%	348
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, 2015

## Reported cases by region and county

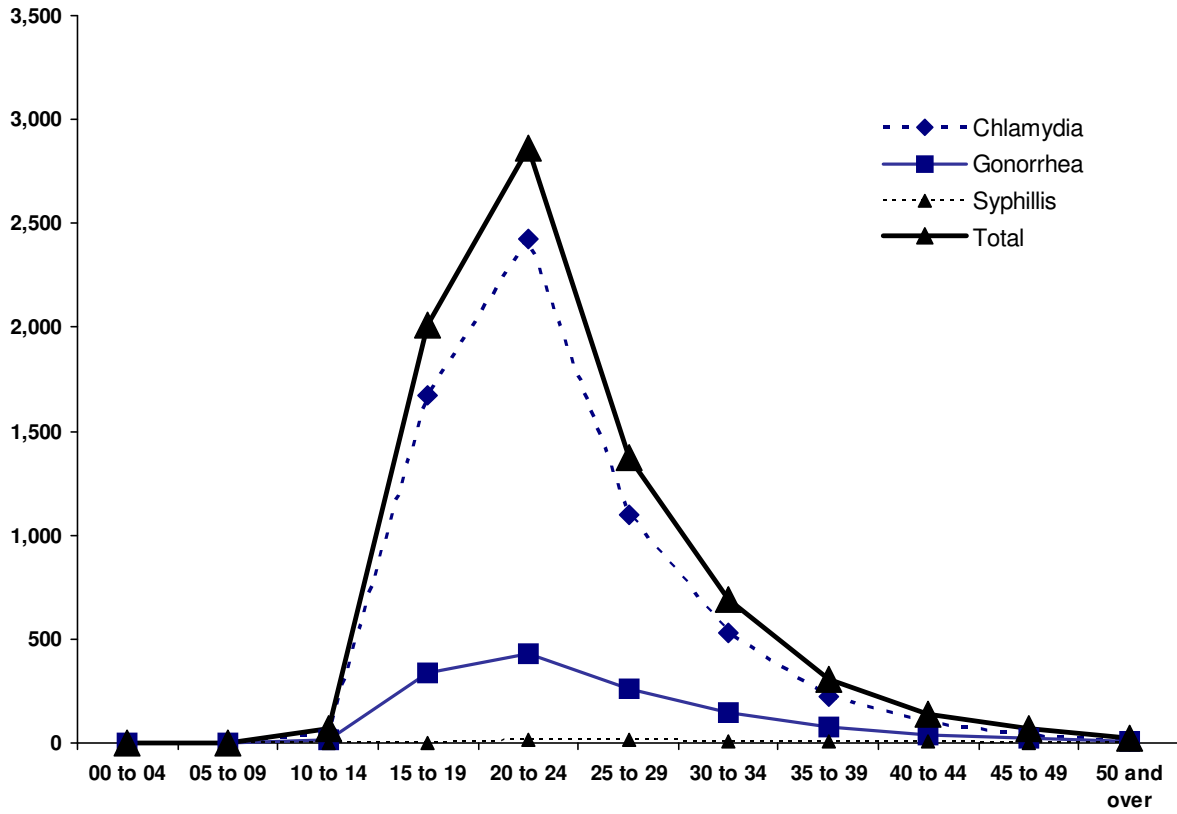
Region/County	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
<b>Northeastern</b>												
Brown	1,024	4.3%	418	130	2.5%	53	11	4.2%	4	1,165	4.0%	475
Calumet	108	0.5%	241	6	0.1%	13	0	0.0%	0	114	0.4%	255
Door	43	0.2%	155	2	0.0%	7	1	0.4%	4	46	0.2%	166
Fond du lac	292	1.2%	294	32	0.6%	32	1	0.4%	1	325	1.1%	327
Green Lake	43	0.2%	232	2	0.0%	11	0	0.0%	0	45	0.2%	242
Kewaunee	35	0.1%	172	1	0.0%	5	0	0.0%	0	36	0.1%	177
Manitowoc	204	0.9%	253	19	0.4%	24	2	0.8%	2	225	0.8%	279
Marinette	95	0.4%	225	4	0.1%	9	0	0.0%	0	99	0.3%	234
Marquette	30	0.1%	199	2	0.0%	13	0	0.0%	0	32	0.1%	212
Menominee	36	0.2%	788	1	0.0%	22	1	0.4%	22	38	0.1%	831
Oconto	98	0.4%	261	6	0.1%	16	0	0.0%	0	104	0.4%	277
Outagamie	588	2.5%	336	42	0.8%	24	2	0.8%	1	632	2.1%	361
Shawano	119	0.5%	290	5	0.1%	12	1	0.4%	2	125	0.4%	305
Sheboygan	332	1.4%	290	28	0.5%	24	1	0.4%	1	361	1.2%	315
Waupaca	121	0.5%	233	2	0.0%	4	0	0.0%	0	123	0.4%	237
Waushara	46	0.2%	186	1	0.0%	4	0	0.0%	0	47	0.2%	190
Winnebago	650	2.7%	401	42	0.8%	26	2	0.8%	1	694	2.4%	428
<b>Region total</b>	<b>3,864</b>	<b>16.1%</b>	<b>321</b>	<b>325</b>	<b>6.2%</b>	<b>27</b>	<b>22</b>	<b>8.4%</b>	<b>2</b>	<b>4,211</b>	<b>14.3%</b>	<b>349</b>
<b>Northern</b>												
Ashland	21	0.1%	129	0	0.0%	0	0	0.0%	0	21	0.1%	129
Bayfield	17	0.1%	114	2	0.0%	13	0	0.0%	0	19	0.1%	127
Florence	6	0.0%	129	0	0.0%	0	0	0.0%	0	6	0.0%	129
Forest	38	0.2%	386	4	0.1%	41	0	0.0%	0	42	0.1%	427
Iron	8	0.0%	129	0	0.0%	0	0	0.0%	0	8	0.0%	129
Langlade	43	0.2%	213	0	0.0%	0	0	0.0%	0	43	0.1%	213
Lincoln	56	0.2%	190	0	0.0%	0	1	0.4%	3	57	0.2%	193
Marathon	398	1.7%	304	24	0.5%	18	2	0.8%	2	424	1.4%	324
Oneida	63	0.3%	175	3	0.1%	8	1	0.4%	3	67	0.2%	186
Portage	207	0.9%	301	7	0.1%	10	0	0.0%	0	214	0.7%	311
Price	22	0.1%	154	2	0.0%	14	0	0.0%	0	24	0.1%	168
Sawyer	38	0.2%	222	4	0.1%	23	0	0.0%	0	42	0.1%	245
Taylor	39	0.2%	202	2	0.0%	10	0	0.0%	0	41	0.1%	212
Vilas	37	0.2%	169	1	0.0%	5	0	0.0%	0	38	0.1%	173
Wood	246	1.0%	334	10	0.2%	14	0	0.0%	0	256	0.9%	347
<b>Region total</b>	<b>1,239</b>	<b>5.2%</b>	<b>256</b>	<b>59</b>	<b>1.1%</b>	<b>12</b>	<b>4</b>	<b>1.5%</b>	<b>1</b>	<b>1,302</b>	<b>4.4%</b>	<b>269</b>
<b>Southeastern</b>												
Kenosha	773	3.2%	470	162	3.1%	99	8	3.1%	5	943	3.2%	573
Milwaukee	9,672	40.4%	1,015	3,623	69.0%	380	143	54.8%	15	13,438	45.6%	1,410
Ozaukee	135	0.6%	157	9	0.2%	10	1	0.4%	1	145	0.5%	169
Racine	704	2.9%	353	111	2.1%	56	12	4.6%	6	827	2.8%	415
Walworth	301	1.3%	299	22	0.4%	22	6	2.3%	6	329	1.1%	327
Washington	217	0.9%	168	34	0.6%	26	1	0.4%	1	252	0.9%	195
Waukesha	632	2.6%	166	74	1.4%	19	5	1.9%	1	711	2.4%	187
<b>Region total</b>	<b>12,434</b>	<b>51.9%</b>	<b>617</b>	<b>4,035</b>	<b>76.8%</b>	<b>200</b>	<b>176</b>	<b>67.4%</b>	<b>9</b>	<b>16,645</b>	<b>56.5%</b>	<b>826</b>

Region/County	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
<b>Southern</b>												
Adams	32	0.1%	157	1	0.0%	5	1	0.4%	5	34	0.1%	167
Columbia	127	0.5%	230	6	0.1%	11	0	0.0%	0	133	0.5%	241
Crawford	40	0.2%	237	1	0.0%	6	0	0.0%	0	41	0.1%	243
Dane	2,038	8.5%	422	407	7.7%	84	28	10.7%	6	2,473	8.4%	512
Dodge	153	0.6%	174	5	0.1%	6	2	0.8%	2	160	0.5%	182
Grant	126	0.5%	256	25	0.5%	51	1	0.4%	2	152	0.5%	309
Green	74	0.3%	205	0	0.0%	0	2	0.8%	6	76	0.3%	211
Iowa	43	0.2%	182	1	0.0%	4	0	0.0%	0	44	0.1%	186
Jefferson	195	0.8%	241	22	0.4%	27	2	0.8%	2	219	0.7%	271
Juneau	87	0.4%	327	0	0.0%	0	0	0.0%	0	87	0.3%	327
Lafayette	34	0.1%	214	1	0.0%	6	0	0.0%	0	35	0.1%	221
Richland	20	0.1%	111	2	0.0%	11	0	0.0%	0	22	0.1%	122
Rock	738	3.1%	461	146	2.8%	91	4	1.5%	2	888	3.0%	554
Sauk	205	0.9%	347	17	0.3%	29	2	0.8%	3	224	0.8%	380
Vernon	55	0.2%	189	1	0.0%	3	0	0.0%	0	56	0.2%	193
<b>Region total</b>	<b>3,967</b>	<b>16.6%</b>	<b>342</b>	<b>635</b>	<b>12.1%</b>	<b>55</b>	<b>42</b>	<b>16.1%</b>	<b>4</b>	<b>4,644</b>	<b>15.8%</b>	<b>400</b>
<b>Western</b>												
Barron	134	0.6%	294	9	0.2%	20	1	0.4%	2	144	0.5%	316
Buffalo	25	0.1%	182	3	0.1%	22	0	0.0%	0	28	0.1%	204
Burnett	34	0.1%	210	5	0.1%	31	0	0.0%	0	39	0.1%	241
Chippewa	169	0.7%	280	14	0.3%	23	2	0.8%	3	185	0.6%	306
Clark	41	0.2%	122	0	0.0%	0	0	0.0%	0	41	0.1%	122
Douglas	137	0.6%	313	11	0.2%	25	0	0.0%	0	148	0.5%	338
Dunn	159	0.7%	372	10	0.2%	23	0	0.0%	0	169	0.6%	396
Eau Claire	420	1.8%	427	52	1.0%	53	4	1.5%	4	476	1.6%	484
Jackson	70	0.3%	352	8	0.2%	40	0	0.0%	0	78	0.3%	392
La Crosse	476	2.0%	423	48	0.9%	43	0	0.0%	0	524	1.8%	465
Monroe	168	0.7%	388	6	0.1%	14	3	1.1%	7	177	0.6%	408
Pepin	23	0.1%	313	1	0.0%	14	0	0.0%	0	24	0.1%	326
Pierce	154	0.6%	383	14	0.3%	35	1	0.4%	2	169	0.6%	420
Polk	98	0.4%	221	3	0.1%	7	0	0.0%	0	101	0.3%	228
Rusk	44	0.2%	306	0	0.0%	0	0	0.0%	0	44	0.1%	306
Saint Croix	181	0.8%	219	11	0.2%	13	6	2.3%	7	198	0.7%	240
Trempealeau	76	0.3%	273	3	0.1%	11	0	0.0%	0	79	0.3%	284
Washburn	32	0.1%	191	1	0.0%	6	0	0.0%	0	33	0.1%	197
<b>Region total</b>	<b>2,441</b>	<b>10.2%</b>	<b>320</b>	<b>199</b>	<b>3.8%</b>	<b>26</b>	<b>17</b>	<b>6.5%</b>	<b>2</b>	<b>2,657</b>	<b>9.0%</b>	<b>348</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>-</b>	<b>0</b>	<b>0.0%</b>	<b>-</b>	<b>0</b>	<b>0.0%</b>	<b>-</b>	<b>0</b>	<b>0.0%</b>	<b>-</b>
<b>Total</b>	<b>23,945</b>	<b>100.0%</b>	<b>425</b>	<b>5,253</b>	<b>100.0%</b>	<b>93</b>	<b>261</b>	<b>100.0%</b>	<b>5</b>	<b>29,459</b>	<b>100.0%</b>	<b>523</b>

\* Cases per 100,000 population.

# Wisconsin sexually transmitted disease surveillance report, 2015

## Age-specific sexually transmitted disease rates\*



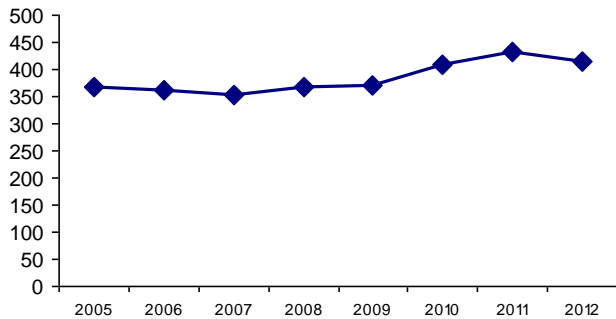
\* Cases per 100,000 population.

# Wisconsin sexually transmitted disease surveillance report, 2015

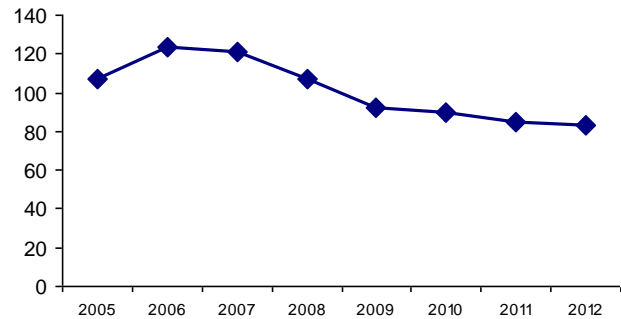
## Reported cases by year of diagnosis, past ten years

Year	Chlamydia		Gonorrhea		Syphilis		Total	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
2006	20,091	361	6,883	124	160	3	27,134	487
2007	19,827	354	6,787	121	165	3	26,779	478
2008	20,720	368	6,034	107	193	3	26,947	479
2009	20,895	371	5,206	93	164	3	26,265	467
2010	23,000	409	5,074	90	183	3	28,257	502
2011	24,254	431	4,761	85	198	4	29,213	519
2012	23,353	415	4,692	83	266	5	28,311	503
2013	23,204	412	4,573	81	255	5	28,040	498
2014	22,701	403	4,037	72	282	5	27,020	480
2015	23,945	425	5,253	93	261	5	29,459	523

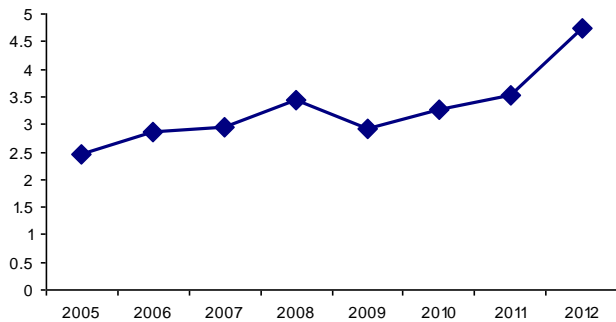
**Chlamydia rate\***



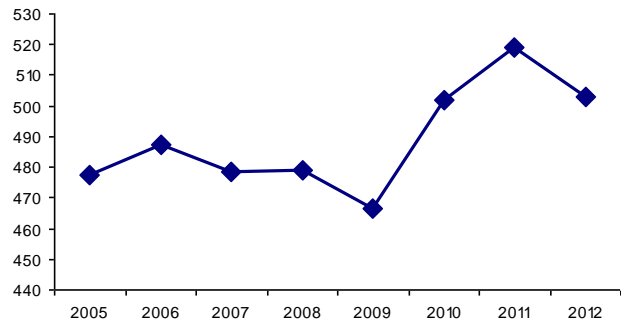
**Gonorrhea rate\***



**Syphilis rate\***



**Total rate\***



\* Cases per 100,000 population.

**Wisconsin sexually transmitted disease surveillance report, 2015**  
**Unadjusted\* and imputed\*\* cases per 100,000 population by race**

	White		African American		American Indian		Asian/Pacific Islander	
	Unadjusted*	Imputed**	Unadjusted*	Imputed**	Unadjusted*	Imputed**	Unadjusted*	Imputed**
Chlamydia	216	260	1,871	2,677	568	648	284	347
Gonorrhea	21	25	793	1,045	80	87	25	27
Syphilis	3	3	25	27	3	3	3	3
<b>Total</b>	241	288	2,689	3,750	651	739	312	377

\* 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 under-estimates 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, 2015

## Syphilis cases by disease stage

	Primary			Secondary			Early latent			Early total**		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
<b>Total</b>												
Total	20	100.0%	0.4	60	100.0%	1.1	93	100.0%	1.7	173	100.0%	3.1
<b>Sex</b>												
Male	20	100.0%	0.7	60	100.0%	2.1	91	97.8%	3.3	171	98.8%	6.1
Female	0	0.0%	0.0	0	0.0%	0.0	2	2.2%	0.1	2	1.2%	0.1
<b>Race</b>												
White	15	75.0%	0.3	32	53.3%	0.6	46	49.5%	0.9	93	53.8%	1.8
African American	3	15.0%	0.8	19	31.7%	5.2	38	40.9%	10.5	60	34.7%	16.5
American Indian	0	0.0%	0.0	1	1.7%	1.7	0	0.0%	0.0	1	0.6%	1.7
Asian/Pacific Islander	0	0.0%	0.0	2	3.3%	1.6	1	1.1%	0.8	3	1.7%	2.4
Other	1	5.0%	-	0	0.0%	-	1	1.1%	-	2	1.2%	-
Unknown	1	5.0%	-	6	10.0%	-	7	7.5%	-	14	8.1%	-
<b>Hispanic ethnicity</b>												
Hispanic	4	20.0%	1.4	3	5.0%	1.0	8	8.6%	2.8	15	8.7%	5.2
Non Hispanic	15	75.0%	-	50	83.3%	-	79	84.9%	-	144	83.2%	-
Unknown	1	5.0%	-	7	11.7%	-	6	6.5%	-	14	8.1%	-
<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	5.0%	0.3	4	6.7%	1.0	3	3.2%	0.8	8	4.6%	2.0
20-24	5	25.0%	1.3	11	18.3%	2.8	21	22.6%	5.3	37	21.4%	9.4
25-29	3	15.0%	0.8	13	21.7%	3.4	17	18.3%	4.5	33	19.1%	8.7
30-34	3	15.0%	0.9	9	15.0%	2.7	17	18.3%	5.0	29	16.8%	8.5
35-39	2	10.0%	0.5	4	6.7%	1.1	7	7.5%	1.9	13	7.5%	3.6
40-44	4	20.0%	1.0	7	11.7%	1.7	7	7.5%	1.7	18	10.4%	4.5
45-49	0	0.0%	0.0	4	6.7%	0.9	7	7.5%	1.6	11	6.4%	2.4
50+	2	10.0%	0.1	8	13.3%	0.4	14	15.1%	0.8	24	13.9%	1.3
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, 2015

## Syphilis cases by disease stage

	Late latent			Unknown latency			Congenital			All stages		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
<b>Total</b>												
Total	88	100.0%	1.6	0	-	0.0	0	0.0%	0.0	261	100.0%	4.6
<b>Sex</b>												
Male	66	75.0%	2.4	0	-	0.0	0	0.0%	0.0	237	90.8%	8.5
Female	22	25.0%	0.8	0	-	0.0	0	0.0%	0.0	24	9.2%	0.8
<b>Race</b>												
White	48	54.5%	0.9	0	-	0.0	0	0.0%	0.0	141	54.0%	2.8
African American	32	36.4%	8.8	0	-	0.0	0	0.0%	0.0	92	35.2%	25.3
American Indian	1	1.1%	1.7	0	-	0.0	0	0.0%	0.0	2	0.8%	3.3
Asian/Pacific Islander	1	1.1%	0.8	0	-	0.0	0	0.0%	0.0	4	1.5%	3.2
Other	1	1.1%	-	0	-	-	0	0.0%	-	3	1.1%	-
Unknown	5	5.7%	-	0	-	-	0	0.0%	-	19	7.3%	-
<b>Hispanic ethnicity</b>												
Hispanic	14	15.9%	4.9	0	-	0.0	0	0.0%	0.0	29	11.1%	10.1
Non Hispanic	66	75.0%	-	0	-	-	0	0.0%	-	210	80.5%	-
Unknown	8	9.1%	-	0	-	-	0	0.0%	-	22	8.4%	-
<b>Age</b>												
0-4	1	1.1%	0.3	0	0.0%	0.0	0	0.0%	0.0	1	0.4%	0.3
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	8	3.1%	2.0
20-24	12	13.6%	3.1	0	0.0%	0.0	0	0.0%	0.0	49	18.8%	12.5
25-29	21	23.9%	5.5	0	0.0%	0.0	0	0.0%	0.0	54	20.7%	14.2
30-34	7	8.0%	2.1	0	0.0%	0.0	0	0.0%	0.0	36	13.8%	10.6
35-39	18	20.5%	4.9	0	0.0%	0.0	0	0.0%	0.0	31	11.9%	8.5
40-44	9	10.2%	2.2	0	0.0%	0.0	0	0.0%	0.0	27	10.3%	6.7
45-49	6	6.8%	1.3	0	0.0%	0.0	0	0.0%	0.0	17	6.5%	3.8
50+	14	15.9%	0.8	0	0.0%	0.0	0	0.0%	0.0	38	14.6%	2.1
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 the 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 this 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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