

Sexually Transmitted Disease in Wisconsin 2016



Wisconsin sexually transmitted disease surveillance report, 2016

	Chlamydia*			Gonorrhea*			Syphilis*			Total*		
	Cases	Percent	Rate***	Cases	Percent	Rate***	Cases**	Percent	Rate***	Cases	Percent	Rate***
Total												
Total	26,432	100.0%	470	6,467	100.0%	115	419	100.0%	7	33,351	100.0%	593
Sex												
Male	8,187	31.0%	293	3,267	50.5%	117	364	86.9%	13	11,818	35.4%	422
Female	18,218	68.9%	644	3,193	49.4%	113	55	13.1%	2	21,498	64.5%	760
Unknown	27	0.1%	-	7	0.1%	-	0	0.0%	-	35	0.1%	-
Race												
White	11,925	45.1%	235	1,484	22.9%	29	196	46.8%	4	13,619	40.8%	268
African American	7,465	28.2%	2,055	3,194	49.4%	879	166	39.6%	46	10,829	32.5%	2,981
American Indian	317	1.2%	528	37	0.6%	62	3	0.7%	5	357	1.1%	595
Asian/Pacific Islander	381	1.4%	309	45	0.7%	36	5	1.2%	4	432	1.3%	350
Other	871	3.3%	-	140	2.2%	-	10	2.4%	-	1,029	3.1%	-
Unknown	5,473	20.7%	-	1,567	24.2%	-	39	9.3%	-	7,085	21.2%	-
Hispanic ethnicity												
Hispanic	1,679	6.4%	587	270	4.2%	94	39	9.3%	14	1,997	6.0%	699
Not Hispanic	14,623	55.3%	274	3,110	48.1%	58	353	84.2%	7	18,103	54.3%	339
Unknown	10,130	38.3%	-	3,087	47.7%	-	27	6.4%	-	13,251	39.7%	-
Age												
0-4	11	0.0%	3	1	0.0%	0	1	0.2%	0	13	0.0%	4
5-9	4	0.0%	1	2	0.0%	1	0	0.0%	0	6	0.0%	2
10-14	220	0.8%	61	81	1.3%	22	0	0.0%	0	302	0.9%	83
15-19	7,369	27.9%	1,852	1,632	25.2%	410	19	4.5%	5	9,024	27.1%	2,268
20-24	10,262	38.8%	2,612	1,971	30.5%	502	87	20.8%	22	12,325	37.0%	3,137
25-29	4,779	18.1%	1,258	1,258	19.5%	331	90	21.5%	24	6,136	18.4%	1,615
30-34	1,974	7.5%	582	649	10.0%	191	52	12.4%	15	2,683	8.0%	790
35-39	912	3.5%	250	342	5.3%	94	40	9.5%	11	1,296	3.9%	355
40-44	427	1.6%	106	204	3.2%	51	33	7.9%	8	667	2.0%	166
45-49	239	0.9%	53	135	2.1%	30	31	7.4%	7	406	1.2%	90
50+	228	0.9%	13	191	3.0%	10	66	15.8%	4	485	1.5%	27
Unknown	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
Region of residence												
Northeastern	4,249	16.1%	353	521	8.1%	43	51	12.2%	4	4,823	14.5%	400
Northern	1,218	4.6%	252	48	0.7%	10	9	2.1%	2	1,275	3.8%	264
Southeastern	13,996	53.0%	695	5,005	77.4%	249	253	60.4%	13	19,259	57.7%	956
Southern	4,424	16.7%	381	754	11.7%	65	80	19.1%	7	5,284	15.8%	455
Western	2,545	9.6%	333	139	2.1%	18	26	6.2%	3	2,710	8.1%	355
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

**Primary, secondary, early latent and late latent cases.

***Cases per 100,000 population

Wisconsin sexually transmitted disease surveillance report, 2016

Reported cases by region and county

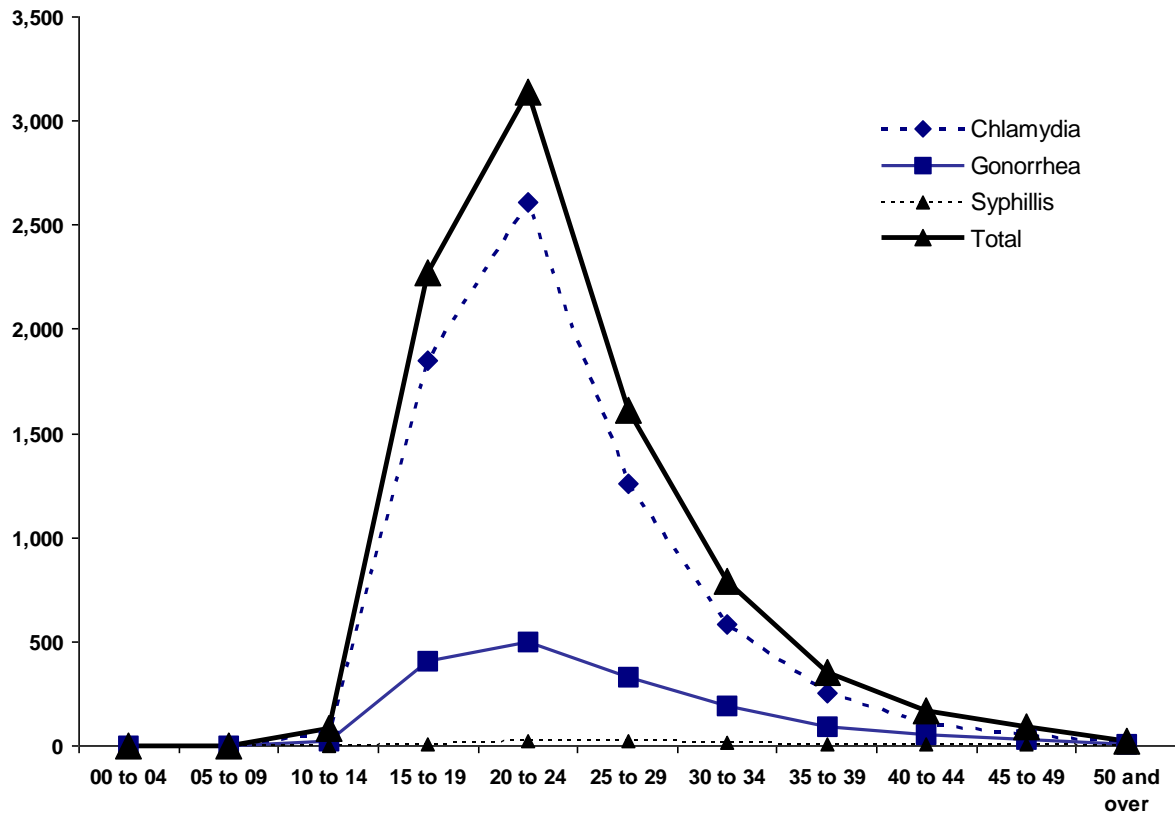
Region/County	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
Northeastern												
Brown	1,090	4.1%	445	97	1.5%	40	7	1.7%	3	1,194	3.6%	487
Calumet	99	0.4%	221	12	0.2%	27	0	0.0%	0	111	0.3%	248
Door	57	0.2%	205	6	0.1%	22	2	0.5%	7	65	0.2%	234
Fond du lac	329	1.2%	331	103	1.6%	104	4	1.0%	4	436	1.3%	438
Green Lake	43	0.2%	232	2	0.0%	11	0	0.0%	0	45	0.1%	242
Kewaunee	27	0.1%	132	1	0.0%	5	0	0.0%	0	28	0.1%	137
Manitowoc	204	0.8%	253	45	0.7%	56	0	0.0%	0	249	0.7%	309
Marinette	125	0.5%	296	4	0.1%	9	2	0.5%	5	131	0.4%	310
Marquette	31	0.1%	206	1	0.0%	7	0	0.0%	0	32	0.1%	212
Menominee	35	0.1%	766	3	0.0%	66	0	0.0%	0	38	0.1%	831
Oconto	96	0.4%	256	2	0.0%	5	1	0.2%	3	99	0.3%	264
Outagamie	638	2.4%	365	79	1.2%	45	14	3.3%	8	731	2.2%	418
Shawano	99	0.4%	242	2	0.0%	5	1	0.2%	2	102	0.3%	249
Sheboygan	389	1.5%	340	46	0.7%	40	4	1.0%	3	441	1.3%	385
Waupaca	156	0.6%	301	9	0.1%	17	2	0.5%	4	167	0.5%	322
Waushara	44	0.2%	178	4	0.1%	16	0	0.0%	0	48	0.1%	194
Winnebago	787	3.0%	485	105	1.6%	65	14	3.3%	9	906	2.7%	559
Region total	4,249	16.1%	353	521	8.1%	43	51	12.2%	4	4,823	14.5%	400
Northern												
Ashland	42	0.2%	258	0	0.0%	0	0	0.0%	0	42	0.1%	258
Bayfield	20	0.1%	134	1	0.0%	7	0	0.0%	0	21	0.1%	141
Florence	4	0.0%	86	0	0.0%	0	0	0.0%	0	4	0.0%	86
Forest	31	0.1%	315	5	0.1%	51	0	0.0%	0	36	0.1%	366
Iron	7	0.0%	113	0	0.0%	0	0	0.0%	0	7	0.0%	113
Langlade	27	0.1%	134	0	0.0%	0	0	0.0%	0	27	0.1%	134
Lincoln	67	0.3%	227	2	0.0%	7	0	0.0%	0	69	0.2%	234
Marathon	375	1.4%	286	16	0.2%	12	3	0.7%	2	394	1.2%	301
Oneida	61	0.2%	169	1	0.0%	3	0	0.0%	0	62	0.2%	172
Portage	221	0.8%	321	9	0.1%	13	2	0.5%	3	232	0.7%	337
Price	28	0.1%	196	0	0.0%	0	0	0.0%	0	28	0.1%	196
Sawyer	29	0.1%	169	3	0.0%	18	0	0.0%	0	32	0.1%	187
Taylor	47	0.2%	243	1	0.0%	5	0	0.0%	0	48	0.1%	249
Vilas	27	0.1%	123	0	0.0%	0	0	0.0%	0	27	0.1%	123
Wood	232	0.9%	315	10	0.2%	14	4	1.0%	5	246	0.7%	334
Region total	1,218	4.6%	252	48	0.7%	10	9	2.1%	2	1,275	3.8%	264
Southeastern												
Kenosha	950	3.6%	578	283	4.4%	172	17	4.1%	10	1,250	3.7%	760
Milwaukee	10,766	40.7%	1,129	4,323	66.8%	453	210	50.1%	22	15,301	45.9%	1,605
Ozaukee	126	0.5%	147	18	0.3%	21	0	0.0%	0	144	0.4%	168
Racine	820	3.1%	411	213	3.3%	107	8	1.9%	4	1,043	3.1%	523
Walworth	304	1.2%	302	29	0.4%	29	1	0.2%	1	334	1.0%	332
Washington	243	0.9%	188	27	0.4%	21	3	0.7%	2	273	0.8%	211
Waukesha	787	3.0%	207	112	1.7%	29	14	3.3%	4	914	2.7%	240
Region total	13,996	53.0%	695	5,005	77.4%	249	253	60.4%	13	19,259	57.7%	956

Region/County	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
Southern												
Adams	30	0.1%	148	2	0.0%	10	0	0.0%	0	32	0.1%	157
Columbia	140	0.5%	254	14	0.2%	25	2	0.5%	4	156	0.5%	283
Crawford	32	0.1%	190	2	0.0%	12	0	0.0%	0	34	0.1%	201
Dane	2,324	8.8%	481	431	6.7%	89	61	14.6%	13	2,827	8.5%	586
Dodge	181	0.7%	206	13	0.2%	15	2	0.5%	2	200	0.6%	228
Grant	123	0.5%	250	12	0.2%	24	0	0.0%	0	135	0.4%	274
Green	88	0.3%	244	7	0.1%	19	2	0.5%	6	97	0.3%	269
Iowa	41	0.2%	174	4	0.1%	17	1	0.2%	4	46	0.1%	195
Jefferson	209	0.8%	259	18	0.3%	22	4	1.0%	5	238	0.7%	295
Juneau	73	0.3%	274	0	0.0%	0	0	0.0%	0	73	0.2%	274
Lafayette	26	0.1%	164	1	0.0%	6	0	0.0%	0	27	0.1%	170
Richland	27	0.1%	150	0	0.0%	0	0	0.0%	0	27	0.1%	150
Rock	842	3.2%	526	232	3.6%	145	7	1.7%	4	1,081	3.2%	675
Sauk	227	0.9%	385	17	0.3%	29	1	0.2%	2	249	0.7%	422
Vernon	61	0.2%	210	1	0.0%	3	0	0.0%	0	62	0.2%	213
Region total	4,424	16.7%	381	754	11.7%	65	80	19.1%	7	5,284	15.8%	455
Western												
Barron	137	0.5%	301	4	0.1%	9	0	0.0%	0	141	0.4%	309
Buffalo	33	0.1%	240	1	0.0%	7	0	0.0%	0	34	0.1%	247
Burnett	18	0.1%	111	1	0.0%	6	0	0.0%	0	19	0.1%	117
Chippewa	214	0.8%	354	8	0.1%	13	2	0.5%	3	224	0.7%	371
Clark	57	0.2%	170	3	0.0%	9	0	0.0%	0	60	0.2%	179
Douglas	126	0.5%	288	15	0.2%	34	3	0.7%	7	144	0.4%	329
Dunn	150	0.6%	351	5	0.1%	12	2	0.5%	5	157	0.5%	368
Eau Claire	483	1.8%	491	30	0.5%	31	3	0.7%	3	516	1.5%	525
Jackson	58	0.2%	291	9	0.1%	45	0	0.0%	0	67	0.2%	337
La Crosse	528	2.0%	469	34	0.5%	30	5	1.2%	4	567	1.7%	503
Monroe	156	0.6%	360	5	0.1%	12	0	0.0%	0	161	0.5%	371
Pepin	28	0.1%	381	0	0.0%	0	0	0.0%	0	28	0.1%	381
Pierce	146	0.6%	363	6	0.1%	15	2	0.5%	5	154	0.5%	383
Polk	95	0.4%	215	3	0.0%	7	2	0.5%	5	100	0.3%	226
Rusk	31	0.1%	215	0	0.0%	0	1	0.2%	7	32	0.1%	222
St. Croix	150	0.6%	182	11	0.2%	13	4	1.0%	5	165	0.5%	200
Trempealeau	103	0.4%	371	3	0.0%	11	2	0.5%	7	108	0.3%	389
Washburn	32	0.1%	191	1	0.0%	6	0	0.0%	0	33	0.1%	197
Region total	2,545	9.6%	333	139	2.1%	18	26	6.2%	3	2,710	8.1%	355
Unknown												
Unknown	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
Region total	0	0.0%		0	0.0%		0	0.0%		0	0.0%	
Total	26,432	100.0%	470	6,467	100.0%	115	419	100.0%	7	33,351	100.0%	593

* Cases per 100,000 population

Wisconsin sexually transmitted disease surveillance report, 2016

Age-specific sexually transmitted disease rates*



* Cases per 100,000 population

Wisconsin sexually transmitted disease surveillance report, 2016
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	235	287	2,055	2,945	528	608	309	389
Gonorrhea	29	36	879	1,226	62	68	36	47
Other	0	0	1	1	0	0	1	1
Syphilis	4	4	46	48	5	6	4	4
Total	268	327	2,981	4,221	595	682	350	441

* 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.

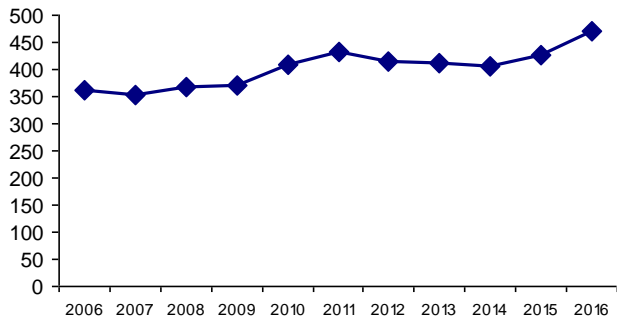
** The imputed rate takes into consideration cases reported without race specified. To calculate the imputed rate, reported cases with unspecified race were statistically allocated using the age-sex-county-specific race distribution for cases with specified race. Thus, imputed rates specified in this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

Wisconsin sexually transmitted disease surveillance report, 2016

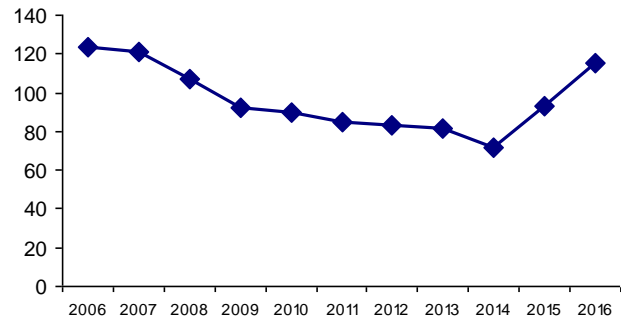
Reported cases by year of diagnosis, past 10 years

Year	Chlamydia		Gonorrhea		Syphilis		Total	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
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	4	28,040	498
2014	22,837	406	4,047	72	284	5	27,168	483
2015	23,945	425	5,253	93	261	5	29,459	523
2016	26,432	470	6,467	115	281	5	33,180	590

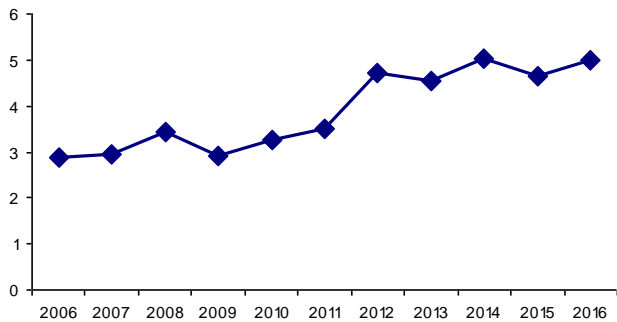
Chlamydia rate*



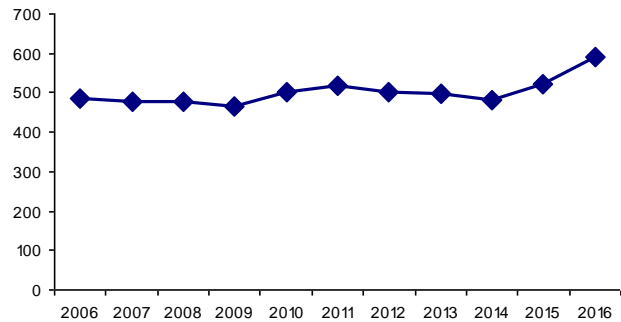
Gonorrhea rate*



Syphilis rate*



Total rate*



* Cases per 100,000 population

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Syphilis cases by disease stage

	Primary			Secondary			Early latent			Early total**		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate'
Total												
Total	49	100.0%	0.9	83	100.0%	1.5	149	100.0%	2.6	281	100.0%	5.0
Sex												
Male	44	89.8%	1.6	81	97.6%	2.9	134	89.9%	4.8	259	92.2%	9.3
Female	5	10.2%	0.2	2	2.4%	0.1	15	10.1%	0.5	22	7.8%	0.8
Race												
White	33	67.3%	0.6	46	55.4%	0.9	57	38.3%	1.1	136	48.4%	2.7
African American	10	20.4%	2.8	26	31.3%	7.2	75	50.3%	20.6	111	39.5%	30.6
American Indian	1	2.0%	1.7	1	1.2%	1.7	1	0.7%	1.7	3	1.1%	5.0
Asian/Pacific Islander	1	2.0%	0.8	1	1.2%	0.8	0	0.0%	0.0	2	0.7%	1.6
Other	0	0.0%	-	0	0.0%	-	3	2.0%	-	3	1.1%	-
Unknown	4	8.2%	-	9	10.8%	-	13	8.7%	-	26	9.3%	-
Hispanic ethnicity												
Hispanic	3	6.1%	1.0	6	7.2%	2.1	12	8.1%	4.2	21	7.5%	7.3
Non Hispanic	43	87.8%	-	71	85.5%	-	125	83.9%	-	239	85.1%	-
Unknown	3	6.1%	-	6	7.2%	-	12	8.1%	-	21	7.5%	-
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	2	4.1%	0.5	1	1.2%	0.3	11	7.4%	2.8	14	5.0%	3.5
20-24	12	24.5%	3.1	18	21.7%	4.6	33	22.1%	8.4	63	22.4%	16.0
25-29	10	20.4%	2.6	15	18.1%	3.9	38	25.5%	10.0	63	22.4%	16.6
30-34	8	16.3%	2.4	7	8.4%	2.1	23	15.4%	6.8	38	13.5%	11.2
35-39	2	4.1%	0.5	9	10.8%	2.5	13	8.7%	3.6	24	8.5%	6.6
40-44	2	4.1%	0.5	11	13.3%	2.7	9	6.0%	2.2	22	7.8%	5.5
45-49	7	14.3%	1.6	8	9.6%	1.8	7	4.7%	1.6	22	7.8%	4.9
50+	6	12.2%	0.3	14	16.9%	0.8	15	10.1%	0.8	35	12.5%	1.9
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

	Late latent			Unknown latency			Congenital			All stages		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
Total												
Total	138	100.0%	2.5	0	-	0.0	0	0.0%	0.0	419	100.0%	7.4
Sex												
Male	105	76.1%	3.8	0	-	0.0	0	0.0%	0.0	364	86.9%	13.0
Female	33	23.9%	1.2	0	-	0.0	0	0.0%	0.0	55	13.1%	1.9
Race												
White	60	43.5%	1.2	0	-	0.0	0	0.0%	0.0	196	46.8%	3.9
African American	55	39.9%	15.1	0	-	0.0	0	0.0%	0.0	166	39.6%	45.7
American Indian	0	0.0%	0.0	0	-	0.0	0	0.0%	0.0	3	0.7%	5.0
Asian/Pacific Islander	3	2.2%	2.4	0	-	0.0	0	0.0%	0.0	5	1.2%	4.1
Other	7	5.1%	-	0	-	-	0	0.0%	-	10	2.4%	-
Unknown	13	9.4%	-	0	-	-	0	0.0%	-	39	9.3%	-
Hispanic ethnicity												
Hispanic	18	13.0%	6.3	0	-	0.0	0	0.0%	0.0	39	9.3%	13.6
Non Hispanic	114	82.6%	-	0	-	-	0	0.0%	-	353	84.2%	-
Unknown	6	4.3%	-	0	-	-	0	0.0%	-	27	6.4%	-
Age												
0-4	1	0.7%	0.3	0	0.0%	0.0	0	0.0%	0.0	1	0.2%	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	5	3.6%	1.3	0	0.0%	0.0	0	0.0%	0.0	19	4.5%	4.8
20-24	24	17.4%	6.1	0	0.0%	0.0	0	0.0%	0.0	87	20.8%	22.1
25-29	27	19.6%	7.1	0	0.0%	0.0	0	0.0%	0.0	90	21.5%	23.7
30-34	14	10.1%	4.1	0	0.0%	0.0	0	0.0%	0.0	52	12.4%	15.3
35-39	16	11.6%	4.4	0	0.0%	0.0	0	0.0%	0.0	40	9.5%	11.0
40-44	11	8.0%	2.7	0	0.0%	0.0	0	0.0%	0.0	33	7.9%	8.2
45-49	9	6.5%	2.0	0	0.0%	0.0	0	0.0%	0.0	31	7.4%	6.9
50+	31	22.5%	1.7	0	0.0%	0.0	0	0.0%	0.0	66	15.8%	3.6
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.

For more information contact:

Wisconsin STD Control Section
1 West Wilson Street
PO Box 2659
Madison, WI 53701-2659
Telephone: 608-266-8479