

Sexually Transmitted Disease in Wisconsin 2012



DEPARTMENT OF HEALTH SERVICES
Division of Public Health
Bureau of Communicable Diseases and
Emergency Preparedness
STD Control Section
P-00415 (06/13)

Wisconsin sexually transmitted disease surveillance report, 2012

	Chlamydia*			Gonorrhea*			Syphilis*			Total*		
	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**
Total												
Total	23,353	100.0%	413	4,692	100.0%	83	266	100.0%	5	28,312	100.0%	501
Sex												
Male	6,724	28.8%	239	2,053	43.8%	73	217	81.6%	8	8,994	31.8%	320
Female	16,629	71.2%	584	2,639	56.2%	93	45	16.9%	2	19,314	68.2%	679
Unknown	0	0.0%	-	0	0.0%	-	4	1.5%	-	4	0.0%	-
Race												
White	9,484	40.6%	186	938	20.0%	18	134	50.4%	3	10,557	37.3%	207
African American	7,042	30.2%	1,908	2,539	54.1%	688	88	33.1%	24	9,669	34.2%	2,620
American Indian	366	1.6%	592	55	1.2%	89	0	0.0%	0	421	1.5%	681
Asian/Pacific Islander	362	1.6%	276	35	0.7%	27	4	1.5%	3	401	1.4%	306
Other	495	2.1%	-	83	1.8%	-	8	3.0%	-	586	2.1%	-
Unknown	5,604	24.0%	-	1,042	22.2%	-	32	12.0%	-	6,678	23.6%	-
Hispanic ethnicity												
Hispanic	1,364	5.8%	456	173	3.7%	58	34	12.8%	11	1,571	5.5%	525
Not Hispanic	13,638	58.4%	255	2,802	59.7%	52	213	80.1%	4	16,654	58.8%	311
Unknown	8,351	35.8%	-	1,717	36.6%	-	19	7.1%	-	10,087	35.6%	-
Age												
0-4	11	0.0%	3	2	0.0%	1	0	0.0%	0	13	0.0%	4
5-9	2	0.0%	1	0	0.0%	0	0	0.0%	0	2	0.0%	1
10-14	239	1.0%	67	51	1.1%	14	0	0.0%	0	290	1.0%	81
15-19	7,195	30.8%	1,781	1,265	27.0%	313	14	5.3%	3	8,474	29.9%	2,097
20-24	9,365	40.1%	2,240	1,583	33.7%	379	56	21.1%	13	11,004	38.9%	2,632
25-29	3,787	16.2%	1,013	828	17.6%	221	48	18.0%	13	4,663	16.5%	1,247
30-34	1,504	6.4%	451	399	8.5%	120	42	15.8%	13	1,946	6.9%	584
35-39	653	2.8%	185	228	4.9%	65	17	6.4%	5	898	3.2%	254
40-44	305	1.3%	78	127	2.7%	33	21	7.9%	5	453	1.6%	117
45-49	159	0.7%	36	96	2.0%	22	31	11.7%	7	286	1.0%	64
50+	133	0.6%	7	111	2.4%	6	37	13.9%	2	281	1.0%	15
Unknown	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
Region of residence												
Northeastern	3,800	16.3%	314	495	10.5%	41	29	10.9%	2	4,324	15.3%	357
Northern	1,051	4.5%	218	36	0.8%	7	5	1.9%	1	1,092	3.9%	226
Southeastern	12,869	55.1%	635	3,622	77.2%	179	181	68.0%	9	16,672	58.9%	823
Southern	3,741	16.0%	320	434	9.2%	37	43	16.2%	4	4,219	14.9%	361
Western	1,886	8.1%	246	102	2.2%	13	8	3.0%	1	1,996	7.1%	260
Unknown	6	0.0%	-	3	0.1%	-	0	0.0%	-	9	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, 2012

Reported cases by region and county

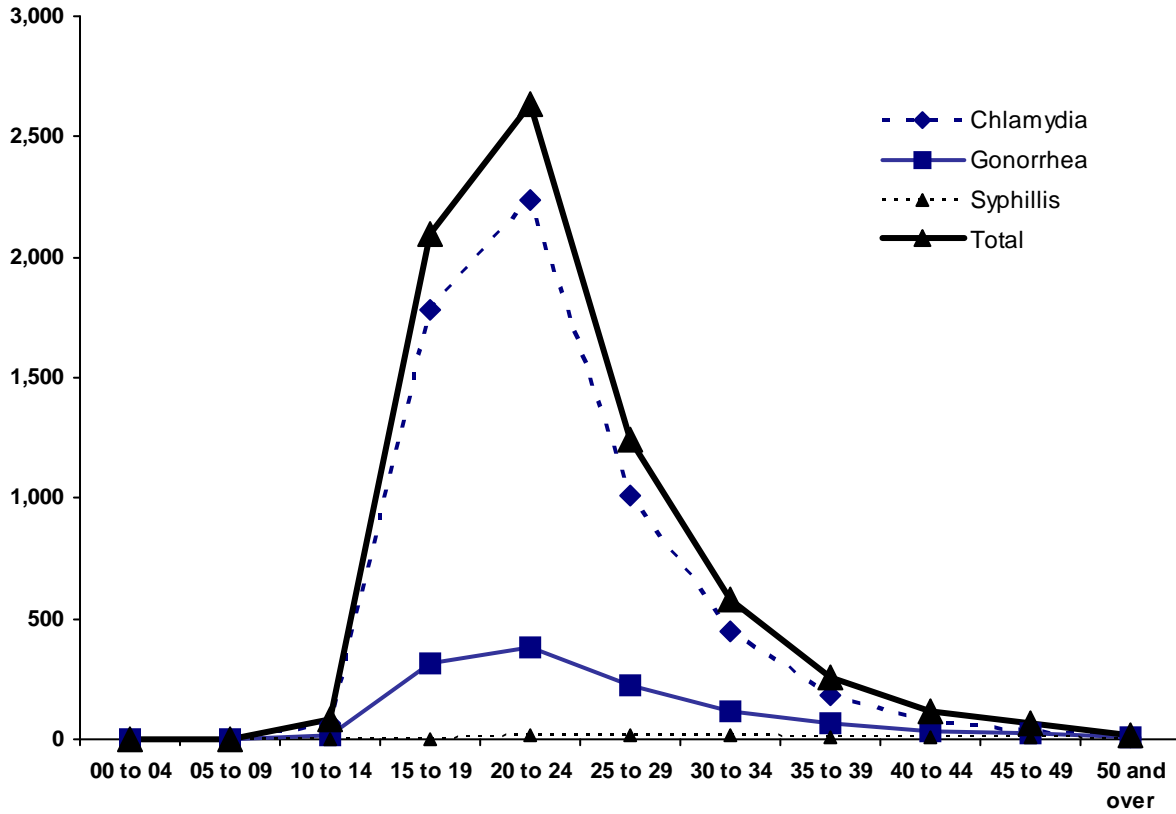
Region/County	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
Northeastern												
Brown	1,025	4.4%	414	231	4.9%	93	7	2.6%	3	1,263	4.5%	511
Calumet	131	0.6%	293	11	0.2%	25	0	0.0%	0	142	0.5%	317
Door	42	0.2%	151	10	0.2%	36	3	1.1%	11	55	0.2%	198
Fond du lac	292	1.3%	292	40	0.9%	40	1	0.4%	1	333	1.2%	333
Green Lake	35	0.1%	189	2	0.0%	11	1	0.4%	5	38	0.1%	206
Kewaunee	31	0.1%	153	3	0.1%	15	0	0.0%	0	34	0.1%	167
Manitowoc	229	1.0%	284	16	0.3%	20	4	1.5%	5	249	0.9%	309
Marinette	105	0.4%	250	12	0.3%	29	0	0.0%	0	117	0.4%	279
Marquette	32	0.1%	217	0	0.0%	0	0	0.0%	0	32	0.1%	217
Menominee	60	0.3%	1,329	0	0.0%	0	0	0.0%	0	60	0.2%	1,329
Oconto	67	0.3%	180	12	0.3%	32	0	0.0%	0	79	0.3%	213
Outagamie	565	2.4%	319	76	1.6%	43	2	0.8%	1	643	2.3%	363
Shawano	114	0.5%	277	5	0.1%	12	1	0.4%	2	120	0.4%	292
Sheboygan	341	1.5%	298	28	0.6%	24	6	2.3%	5	375	1.3%	327
Waupaca	128	0.5%	248	4	0.1%	8	0	0.0%	0	132	0.5%	255
Waushara	39	0.2%	158	1	0.0%	4	0	0.0%	0	40	0.1%	163
Winnebago	564	2.4%	345	44	0.9%	27	4	1.5%	2	612	2.2%	375
Region total	3,800	16.3%	314	495	10.5%	41	29	10.9%	2	4,324	15.3%	357
Northern												
Ashland	11	0.0%	68	1	0.0%	6	0	0.0%	0	12	0.0%	74
Bayfield	15	0.1%	101	0	0.0%	0	0	0.0%	0	15	0.1%	101
Florence	6	0.0%	132	0	0.0%	0	0	0.0%	0	6	0.0%	132
Forest	58	0.2%	604	2	0.0%	21	0	0.0%	0	60	0.2%	625
Iron	8	0.0%	132	0	0.0%	0	0	0.0%	0	8	0.0%	132
Langlade	37	0.2%	185	0	0.0%	0	0	0.0%	0	37	0.1%	185
Lincoln	56	0.2%	190	0	0.0%	0	0	0.0%	0	56	0.2%	190
Marathon	292	1.3%	222	16	0.3%	12	5	1.9%	4	313	1.1%	238
Oneida	66	0.3%	184	1	0.0%	3	0	0.0%	0	67	0.2%	186
Portage	176	0.8%	254	6	0.1%	9	0	0.0%	0	182	0.6%	263
Price	18	0.1%	127	1	0.0%	7	0	0.0%	0	19	0.1%	134
Sawyer	43	0.2%	254	0	0.0%	0	0	0.0%	0	43	0.2%	254
Taylor	30	0.1%	156	0	0.0%	0	0	0.0%	0	30	0.1%	156
Vilas	35	0.1%	163	1	0.0%	5	0	0.0%	0	36	0.1%	167
Wood	200	0.9%	271	8	0.2%	11	0	0.0%	0	208	0.7%	281
Region total	1,051	4.5%	218	36	0.8%	7	5	1.9%	1	1,092	3.9%	226
Southeastern												
Kenosha	822	3.5%	497	163	3.5%	99	10	3.8%	6	995	3.5%	602
Milwaukee	10,089	43.2%	1,051	3,147	67.1%	328	144	54.1%	15	13,380	47.3%	1,394
Ozaukee	95	0.4%	110	21	0.4%	24	2	0.8%	2	118	0.4%	137
Racine	813	3.5%	405	143	3.0%	71	13	4.9%	6	969	3.4%	483
Walworth	269	1.2%	267	28	0.6%	28	2	0.8%	2	299	1.1%	297
Washington	191	0.8%	146	33	0.7%	25	3	1.1%	2	227	0.8%	174
Waukesha	590	2.5%	154	87	1.9%	23	7	2.6%	2	684	2.4%	179
Region total	12,869	55.1%	635	3,622	77.2%	179	181	68.0%	9	16,672	58.9%	823

Region/County	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
Southern												
Adams	37	0.2%	184	2	0.0%	10	0	0.0%	0	39	0.1%	194
Columbia	123	0.5%	223	4	0.1%	7	1	0.4%	2	129	0.5%	234
Crawford	21	0.1%	126	0	0.0%	0	0	0.0%	0	21	0.1%	126
Dane	1,916	8.2%	390	256	5.5%	52	35	13.2%	7	2,207	7.8%	449
Dodge	191	0.8%	219	15	0.3%	17	0	0.0%	0	206	0.7%	236
Grant	131	0.6%	268	10	0.2%	20	0	0.0%	0	141	0.5%	288
Green	95	0.4%	263	9	0.2%	25	0	0.0%	0	104	0.4%	288
Iowa	31	0.1%	132	4	0.1%	17	0	0.0%	0	35	0.1%	149
Jefferson	188	0.8%	233	8	0.2%	10	1	0.4%	1	197	0.7%	244
Juneau	66	0.3%	250	3	0.1%	11	0	0.0%	0	69	0.2%	261
Lafayette	23	0.1%	146	3	0.1%	19	0	0.0%	0	26	0.1%	165
Richland	24	0.1%	134	3	0.1%	17	0	0.0%	0	27	0.1%	151
Rock	723	3.1%	451	111	2.4%	69	3	1.1%	2	837	3.0%	523
Sauk	135	0.6%	229	4	0.1%	7	3	1.1%	5	142	0.5%	241
Vernon	37	0.2%	126	2	0.0%	7	0	0.0%	0	39	0.1%	133
Region total	3,741	16.0%	320	434	9.2%	37	43	16.2%	4	4,219	14.9%	361
Western												
Barron	124	0.5%	272	2	0.0%	4	0	0.0%	0	126	0.4%	276
Buffalo	17	0.1%	127	1	0.0%	7	0	0.0%	0	18	0.1%	134
Burnett	19	0.1%	120	1	0.0%	6	0	0.0%	0	20	0.1%	126
Chippewa	146	0.6%	241	6	0.1%	10	1	0.4%	2	153	0.5%	252
Clark	58	0.2%	174	1	0.0%	3	0	0.0%	0	59	0.2%	177
Douglas	176	0.8%	398	15	0.3%	34	1	0.4%	2	192	0.7%	434
Dunn	100	0.4%	233	2	0.0%	5	0	0.0%	0	102	0.4%	237
Eau Claire	331	1.4%	333	16	0.3%	16	2	0.8%	2	349	1.2%	351
Jackson	63	0.3%	317	1	0.0%	5	0	0.0%	0	64	0.2%	322
La Crosse	383	1.6%	337	48	1.0%	42	2	0.8%	2	433	1.5%	381
Monroe	142	0.6%	324	0	0.0%	0	0	0.0%	0	142	0.5%	324
Pepin	9	0.0%	123	0	0.0%	0	0	0.0%	0	9	0.0%	123
Pierce	97	0.4%	242	4	0.1%	10	1	0.4%	2	102	0.4%	254
Polk	94	0.4%	212	1	0.0%	2	1	0.4%	2	96	0.3%	217
Rusk	37	0.2%	258	0	0.0%	0	0	0.0%	0	37	0.1%	258
St. Croix	7	0.0%	8	0	0.0%	0	0	0.0%	0	7	0.0%	8
Trempealeau	63	0.3%	227	3	0.1%	11	0	0.0%	0	66	0.2%	238
Washburn	20	0.1%	120	1	0.0%	6	0	0.0%	0	21	0.1%	126
Region total	1,886	8.1%	246	102	2.2%	13	8	3.0%	1	1,996	7.1%	260
Unknown												
Unknown	6	0.0%	-	3	0.1%	-	0	0.0%	-	9	0.0%	-
Region total	6	0.0%		3	0.1%		0	0.0%		9	0.0%	
Total	23,353	100.0%	413	4,692	100.0%	83	266	100.0%	5	28,312	100.0%	501

* Cases per 100,000 population.

Wisconsin sexually transmitted disease surveillance report, 2012

Age-specific sexually transmitted disease rates*



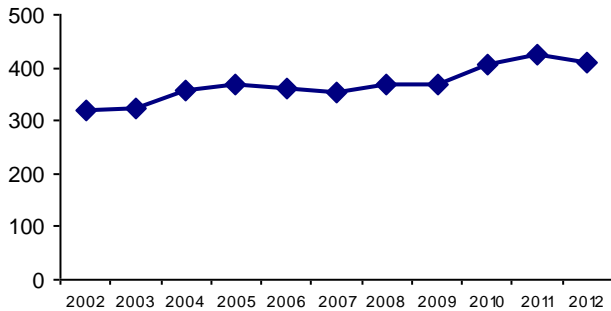
* Cases per 100,000 population.

Wisconsin sexually transmitted disease surveillance report, 2012

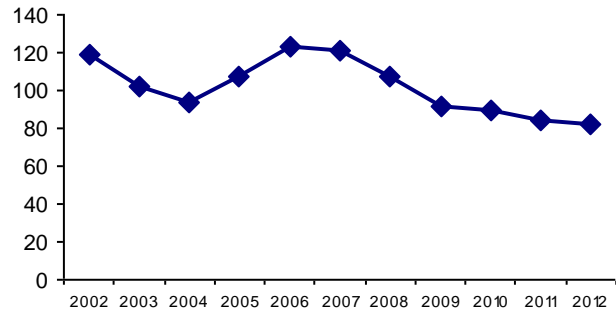
Reported cases by year of diagnosis, past ten years

Year	Chlamydia		Gonorrhea		Syphilis		Total	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
2003	17,735	324	5,585	102	109	2	23,429	428
2004	19,621	356	5,150	93	128	2	24,899	452
2005	20,372	368	5,923	107	136	2	26,431	477
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	370	5,206	92	164	3	26,265	464
2010	23,000	407	5,074	90	183	3	28,257	500
2011	24,254	426	4,761	84	198	3	29,213	514
2012	23,353	411	4,692	83	266	5	28,312	498

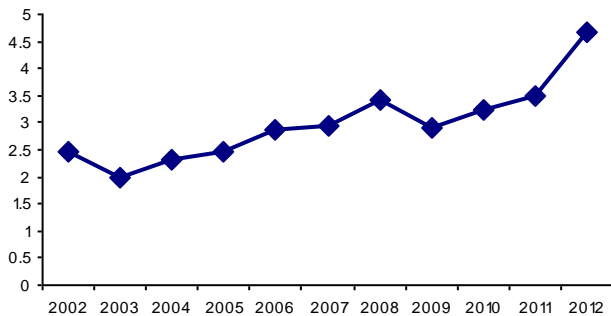
Chlamydia rate*



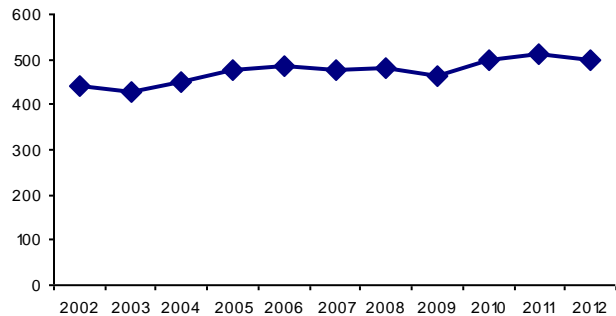
Gonorrhea rate*



Syphilis rate*



Total rate*



* Cases per 100,000 population.

Wisconsin sexually transmitted disease surveillance report, 2012

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	186	238	1,908	2,699	592	712	276	370
Gonorrhea	18	23	688	897	89	98	27	31
Other	0	0	0	0	0	0	0	0
Syphilis	3	3	24	26	0	0	3	3
Total	207	264	2,620	3,623	681	811	306	404

* 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.

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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	28	100.0%	0.5	65	100.0%	1.1	85	100.0%	1.5	178	100.0%	3.1
Sex												
Male	24	85.7%	0.9	58	89.2%	2.1	76	89.4%	2.7	158	88.8%	5.6
Female	4	14.3%	0.1	7	10.8%	0.2	9	10.6%	0.3	20	11.2%	0.7
Race												
White	18	64.3%	0.4	38	58.5%	0.7	42	49.4%	0.8	98	55.1%	1.9
African American	7	25.0%	1.9	15	23.1%	4.1	37	43.5%	10.0	59	33.1%	16.0
Asian/Pacific Islander	1	3.6%	0.8	0	0.0%	0.0	0	0.0%	0.0	1	0.6%	0.8
Other	0	0.0%	-	3	4.6%	-	1	1.2%	-	4	2.2%	-
Unknown	2	7.1%	-	9	13.8%	-	5	5.9%	-	16	9.0%	-
Hispanic ethnicity												
Hispanic	3	10.7%	1.0	9	13.8%	3.0	7	8.2%	2.3	19	10.7%	6.4
Non Hispanic	22	78.6%	-	51	78.5%	-	78	91.8%	-	151	84.8%	-
Unknown	3	10.7%	-	5	7.7%	-	0	0.0%	-	8	4.5%	-
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	1	3.6%	0.2	3	4.6%	0.7	9	10.6%	2.2	13	7.3%	3.2
20-24	9	32.1%	2.2	13	20.0%	3.1	25	29.4%	6.0	47	26.4%	11.2
25-29	4	14.3%	1.1	12	18.5%	3.2	21	24.7%	5.6	37	20.8%	9.9
30-34	4	14.3%	1.2	14	21.5%	4.2	7	8.2%	2.1	25	14.0%	7.5
35-39	3	10.7%	0.8	2	3.1%	0.6	4	4.7%	1.1	9	5.1%	2.5
40-44	3	10.7%	0.8	7	10.8%	1.8	2	2.4%	0.5	12	6.7%	3.1
45-49	2	7.1%	0.4	6	9.2%	1.3	10	11.8%	2.2	18	10.1%	4.0
50+	2	7.1%	0.1	8	12.3%	0.4	7	8.2%	0.4	17	9.6%	0.9
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	67	100.0%	1.2	21	100.0%	0.4	0	0.0%	0.0	266	100.0%	4.7
Sex												
Male	41	61.2%	1.5	18	85.7%	0.6	0	0.0%	0.0	217	81.6%	7.7
Female	23	34.3%	0.8	2	9.5%	0.1	0	0.0%	0.0	45	16.9%	1.6
Race												
White	27	40.3%	0.5	9	42.9%	0.2	0	0.0%	0.0	134	50.4%	2.6
African American	22	32.8%	6.0	7	33.3%	1.9	0	0.0%	0.0	88	33.1%	23.8
Asian/Pacific Islander	3	4.5%	2.3	0	0.0%	0.0	0	0.0%	0.0	4	1.5%	3.1
Other	2	3.0%	-	2	9.5%	-	0	0.0%	-	8	3.0%	-
Unknown	13	19.4%	-	3	14.3%	-	0	0.0%	-	32	12.0%	-
Hispanic ethnicity												
Hispanic	12	17.9%	4.0	3	14.3%	1.0	0	0.0%	0.0	34	12.8%	11.4
Non Hispanic	47	70.1%	-	15	71.4%	-	0	0.0%	-	213	80.1%	-
Unknown	8	11.9%	-	3	14.3%	-	0	0.0%	-	19	7.1%	-
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	1	1.5%	0.2	0	0.0%	0.0	0	0.0%	0.0	14	5.3%	3.5
20-24	3	4.5%	0.7	6	28.6%	1.4	0	0.0%	0.0	56	21.1%	13.4
25-29	7	10.4%	1.9	4	19.0%	1.1	0	0.0%	0.0	48	18.0%	12.8
30-34	12	17.9%	3.6	5	23.8%	1.5	0	0.0%	0.0	42	15.8%	12.6
35-39	8	11.9%	2.3	0	0.0%	0.0	0	0.0%	0.0	17	6.4%	4.8
40-44	7	10.4%	1.8	2	9.5%	0.5	0	0.0%	0.0	21	7.9%	5.4
45-49	12	17.9%	2.7	1	4.8%	0.2	0	0.0%	0.0	31	11.7%	7.0
50+	17	25.4%	0.9	3	14.3%	0.2	0	0.0%	0.0	37	13.9%	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 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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