

Sexually Transmitted Disease in Wisconsin 2008



Wisconsin STD Program

Wisconsin sexually transmitted disease surveillance report, 2008

	Chlamydia*			Gonorrhea*			Syphilis*			Total*		
	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**
Total												
Total	20,767	100.0%	371	6,042	100.0%	108	193	100.0%	3	27,002	100.0%	482
Sex												
Male	5,591	26.9%	201	2,312	38.3%	83	136	70.5%	5	8,039	29.8%	289
Female	15,118	72.8%	537	3,719	61.6%	132	57	29.5%	2	18,894	70.0%	671
Unknown	58	0.3%	-	11	0.2%	-	0	0.0%	-	69	0.3%	-
Race												
White	6,830	32.9%	135	934	15.5%	18	57	29.5%	1	7,821	29.0%	154
African American	6,668	32.1%	1,859	3,376	55.9%	941	109	56.5%	30	10,153	37.6%	2,831
American Indian	300	1.4%	531	61	1.0%	108	3	1.6%	5	364	1.3%	644
Asian/Pacific Islander	259	1.2%	214	27	0.4%	22	2	1.0%	2	288	1.1%	238
Other	463	2.2%	-	85	1.4%	-	11	5.7%	-	559	2.1%	-
Unknown	6,247	30.1%	-	1,559	25.8%	-	11	5.7%	-	7,817	28.9%	-
Hispanic ethnicity												
Hispanic	1,064	5.1%	391	173	2.9%	64	16	8.3%	6	1,253	4.6%	461
Non Hispanic	12,408	59.7%	233	3,901	64.6%	73	161	83.4%	3	16,470	61.0%	309
Unknown	7,295	35.1%	-	1,968	32.6%	-	16	8.3%	-	9,279	34.4%	-
Age												
0-4	34	0.2%	10	7	0.1%	2	1	0.5%	0	42	0.2%	12
5-9	3	0.0%	1	2	0.0%	1	0	0.0%	0	5	0.0%	1
10-14	265	1.3%	72	116	1.9%	31	0	0.0%	0	381	1.4%	103
15-19	7,210	34.7%	1,806	2,034	33.7%	509	10	5.2%	3	9,254	34.3%	2,317
20-24	7,649	36.8%	1,947	1,937	32.1%	493	30	15.5%	8	9,616	35.6%	2,448
25-29	3,310	15.9%	881	978	16.2%	260	37	19.2%	10	4,325	16.0%	1,152
30-34	1,254	6.0%	373	442	7.3%	131	25	13.0%	7	1,721	6.4%	511
35-39	570	2.7%	153	257	4.3%	69	19	9.8%	5	846	3.1%	227
40-44	234	1.1%	56	113	1.9%	27	23	11.9%	6	370	1.4%	89
45-49	127	0.6%	28	77	1.3%	17	27	14.0%	6	231	0.9%	51
50+	98	0.5%	6	71	1.2%	4	21	10.9%	1	190	0.7%	11
Unknown	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
Region of residence												
Northeastern	2,664	12.8%	222	549	9.1%	46	14	7.3%	1	3,227	12.0%	268
Northern	802	3.9%	166	53	0.9%	11	1	0.5%	0	856	3.2%	177
Southeastern	12,339	59.4%	592	4,633	76.7%	222	147	76.2%	7	17,119	63.4%	822
Southern	3,171	15.3%	304	675	11.2%	65	27	14.0%	3	3,873	14.3%	371
Western	1,743	8.4%	221	123	2.0%	16	3	1.6%	0	1,869	6.9%	237
Unknown	48	0.2%	-	9	0.1%	-	1	0.5%	-	58	0.2%	-

* Demographic breakdown not available for diseases with less than 5 cases reported.

** Cases per 100,000 population

Wisconsin sexually transmitted disease surveillance report, 2008

Reported cases by region and county

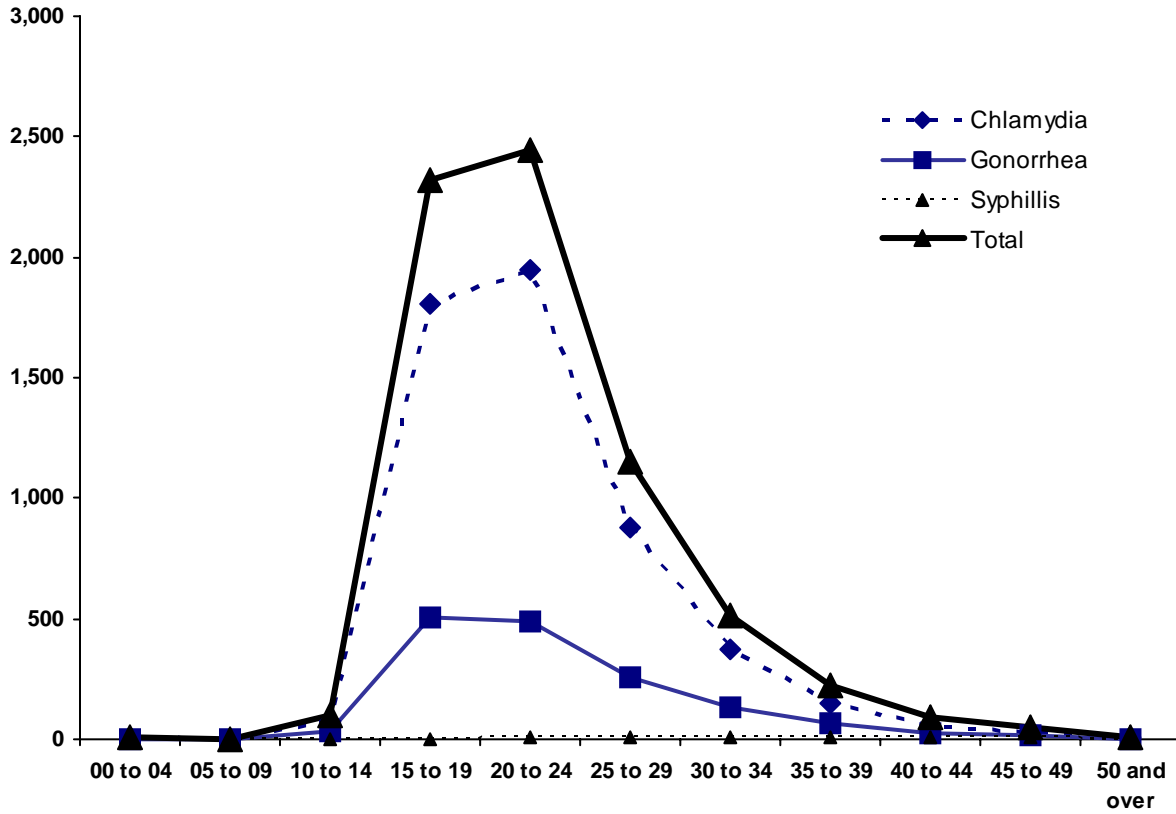
Region/County	Clamidia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
Northeastern												
Brown	730	3.5%	300	286	4.7%	118	1	0.5%	0	1,017	3.8%	418
Calumet	49	0.2%	111	11	0.2%	25	1	0.5%	2	61	0.2%	138
Door	59	0.3%	212	2	0.0%	7	1	0.5%	4	62	0.2%	223
Fond du lac	246	1.2%	248	45	0.7%	45	2	1.0%	2	293	1.1%	296
Green Lake	44	0.2%	235	1	0.0%	5	0	0.0%	0	45	0.2%	240
Kewaunee	19	0.1%	93	4	0.1%	19	0	0.0%	0	23	0.1%	112
Manitowoc	131	0.6%	162	11	0.2%	14	1	0.5%	1	143	0.5%	177
Marinette	41	0.2%	96	8	0.1%	19	0	0.0%	0	49	0.2%	115
Marquette	28	0.1%	187	1	0.0%	7	1	0.5%	7	30	0.1%	200
Menominee	28	0.1%	607	3	0.0%	65	0	0.0%	0	31	0.1%	672
Oconto	71	0.3%	190	6	0.1%	16	0	0.0%	0	77	0.3%	206
Outagamie	366	1.8%	211	66	1.1%	38	1	0.5%	1	433	1.6%	249
Shawano	58	0.3%	141	6	0.1%	15	1	0.5%	2	65	0.2%	158
Sheboygan	285	1.4%	249	20	0.3%	17	4	2.1%	3	309	1.1%	270
Waupaca	64	0.3%	123	2	0.0%	4	0	0.0%	0	66	0.2%	127
Waushara	29	0.1%	117	3	0.0%	12	0	0.0%	0	32	0.1%	129
Winnebago	416	2.0%	257	74	1.2%	46	1	0.5%	1	491	1.8%	303
Region total	2,664	12.8%	222	549	9.1%	46	14	7.3%	1	3,227	12.0%	268
Northern												
Ashland	18	0.1%	110	0	0.0%	0	0	0.0%	0	18	0.1%	110
Bayfield	4	0.0%	27	0	0.0%	0	0	0.0%	0	4	0.0%	27
Florence	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
Forest	20	0.1%	204	2	0.0%	20	0	0.0%	0	22	0.1%	224
Iron	8	0.0%	127	0	0.0%	0	0	0.0%	0	8	0.0%	127
Langlade	16	0.1%	79	1	0.0%	5	0	0.0%	0	17	0.1%	84
Lincoln	75	0.4%	253	2	0.0%	7	0	0.0%	0	77	0.3%	260
Marathon	266	1.3%	205	27	0.4%	21	1	0.5%	1	294	1.1%	226
Oneida	38	0.2%	105	3	0.0%	8	0	0.0%	0	41	0.2%	113
Portage	160	0.8%	234	5	0.1%	7	0	0.0%	0	165	0.6%	242
Price	10	0.0%	69	0	0.0%	0	0	0.0%	0	10	0.0%	69
Sawyer	20	0.1%	117	1	0.0%	6	0	0.0%	0	21	0.1%	123
Taylor	17	0.1%	88	0	0.0%	0	0	0.0%	0	17	0.1%	88
Vilas	29	0.1%	131	4	0.1%	18	0	0.0%	0	33	0.1%	149
Wood	121	0.6%	164	8	0.1%	11	0	0.0%	0	129	0.5%	174
Region total	802	3.9%	166	53	0.9%	11	1	0.5%	0	856	3.2%	177
Southeastern												
Jefferson	119	0.6%	148	18	0.3%	22	2	1.0%	2	139	0.5%	173
Kenosha	639	3.1%	392	161	2.7%	99	0	0.0%	0	800	3.0%	491
Milwaukee	9,702	46.7%	1,020	4,032	66.7%	424	137	71.0%	14	13,871	51.4%	1,458
Ozaukee	55	0.3%	64	19	0.3%	22	0	0.0%	0	74	0.3%	86
Racine	1,016	4.9%	521	281	4.7%	144	5	2.6%	3	1,302	4.8%	667
Walworth	141	0.7%	140	15	0.2%	15	1	0.5%	1	157	0.6%	156
Washington	138	0.7%	108	21	0.3%	16	0	0.0%	0	159	0.6%	124
Waukesha	529	2.5%	139	86	1.4%	23	2	1.0%	1	617	2.3%	163
Region total	12,339	59.4%	592	4,633	76.7%	222	147	76.2%	7	17,119	63.4%	822

Region/County	Clamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
Southern												
Adams	46	0.2%	222	2	0.0%	10	1	0.5%	5	49	0.2%	237
Columbia	102	0.5%	185	13	0.2%	24	0	0.0%	0	115	0.4%	208
Crawford	20	0.1%	118	1	0.0%	6	0	0.0%	0	21	0.1%	124
Dane	1,654	8.0%	347	455	7.5%	95	21	10.9%	4	2,130	7.9%	447
Dodge	324	1.6%	369	30	0.5%	34	1	0.5%	1	355	1.3%	404
Grant	84	0.4%	172	8	0.1%	16	1	0.5%	2	93	0.3%	191
Green	31	0.1%	87	3	0.0%	8	1	0.5%	3	35	0.1%	98
Iowa	32	0.2%	136	2	0.0%	8	0	0.0%	0	34	0.1%	144
Juneau	52	0.3%	196	8	0.1%	30	0	0.0%	0	60	0.2%	226
Lafayette	20	0.1%	126	1	0.0%	6	1	0.5%	6	22	0.1%	139
Richland	25	0.1%	138	1	0.0%	6	0	0.0%	0	26	0.1%	143
Rock	645	3.1%	404	138	2.3%	86	1	0.5%	1	784	2.9%	491
Sauk	136	0.7%	233	13	0.2%	22	0	0.0%	0	149	0.6%	255
Region total	3,171	15.3%	304	675	11.2%	65	27	14.0%	3	3,873	14.3%	371
Western												
Barron	81	0.4%	178	5	0.1%	11	0	0.0%	0	86	0.3%	189
Buffalo	12	0.1%	87	0	0.0%	0	0	0.0%	0	12	0.0%	87
Burnett	13	0.1%	80	3	0.0%	18	0	0.0%	0	16	0.1%	98
Chippewa	130	0.6%	215	3	0.0%	5	1	0.5%	2	134	0.5%	222
Clark	28	0.1%	84	0	0.0%	0	0	0.0%	0	28	0.1%	84
Douglas	146	0.7%	334	25	0.4%	57	0	0.0%	0	171	0.6%	391
Dunn	106	0.5%	250	5	0.1%	12	0	0.0%	0	111	0.4%	262
Eau Claire	344	1.7%	353	10	0.2%	10	0	0.0%	0	354	1.3%	363
Jackson	39	0.2%	196	3	0.0%	15	1	0.5%	5	43	0.2%	217
La Crosse	365	1.8%	328	35	0.6%	31	0	0.0%	0	400	1.5%	359
Monroe	116	0.6%	269	16	0.3%	37	1	0.5%	2	133	0.5%	308
Pepin	8	0.0%	108	0	0.0%	0	0	0.0%	0	8	0.0%	108
Pierce	61	0.3%	154	1	0.0%	3	0	0.0%	0	62	0.2%	157
Polk	67	0.3%	151	4	0.1%	9	0	0.0%	0	71	0.3%	160
Rusk	19	0.1%	130	1	0.0%	7	0	0.0%	0	20	0.1%	136
St. Croix	98	0.5%	121	9	0.1%	11	0	0.0%	0	107	0.4%	132
Trempealeau	74	0.4%	266	1	0.0%	4	0	0.0%	0	75	0.3%	270
Vernon	21	0.1%	72	0	0.0%	0	0	0.0%	0	21	0.1%	72
Washburn	15	0.1%	90	2	0.0%	12	0	0.0%	0	17	0.1%	102
Region total	1,743	8.4%	221	123	2.0%	16	3	1.6%	0	1,869	6.9%	237
Unknown												
Unknown	48	0.2%	-	9	0.1%	-	1	0.5%	-	58	0.2%	-
Region total	48	0.2%		9	0.1%		1	0.5%		58	0.2%	
Total	20,767	100.0%	371	6,042	100.0%	108	193	100.0%	3	27,002	100.0%	482

** Cases per 100,000 population.

Wisconsin sexually transmitted disease surveillance report, 2008

Age-specific sexually transmitted disease rates*



* Cases per 100,000 population.

Wisconsin sexually transmitted disease surveillance report, 2008
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	135	177	1,859	2,860	531	744	214	283
Gonorrhea	18	23	941	1,253	108	132	22	30
Syphilis	1	1	30	31	5	5	2	2
Total	154	202	2,831	4,144	644	881	238	315

* The unadjusted rate is the number 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.

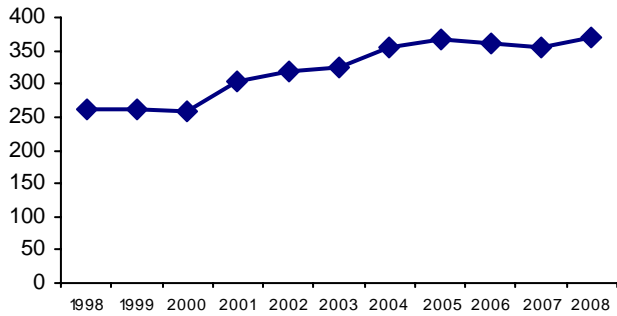
** The imputed rate takes into consideration cases reported without race specified. To calculate the imputed rate reported cases with unspecified race were statistically allocated using the age-sex-county-specific race distribution for cases with specified race. Thus, imputed rates specified in this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

Wisconsin sexually transmitted disease surveillance report, 2008

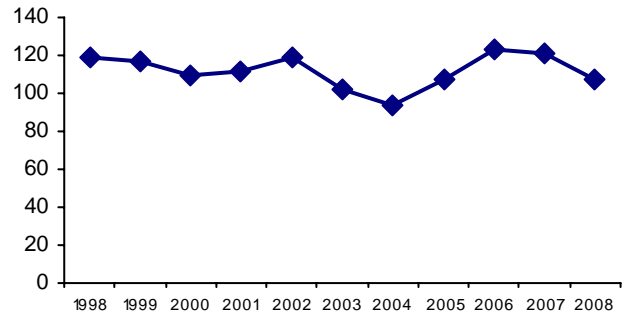
Reported cases by year of diagnosis, past ten years

Year	Chlamydia		Gonorrhea		Syphilis		Total	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
1999	13,943	261	6,209	116	138	3	20,290	380
2000	13,845	258	5,864	109	181	3	19,890	370
2001	16,435	304	6,042	112	135	2	22,612	418
2002	17,384	319	6,474	119	135	2	23,993	441
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	20,767	371	6,042	108	193	3	27,002	482

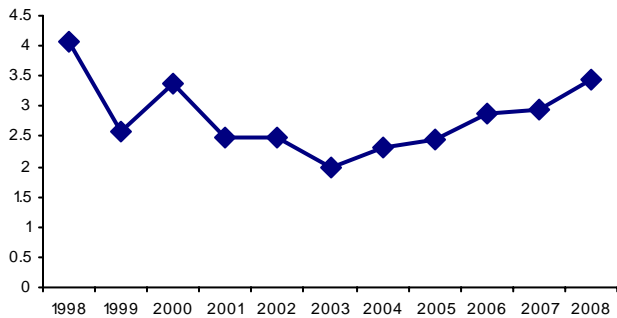
Chlamydia rate*



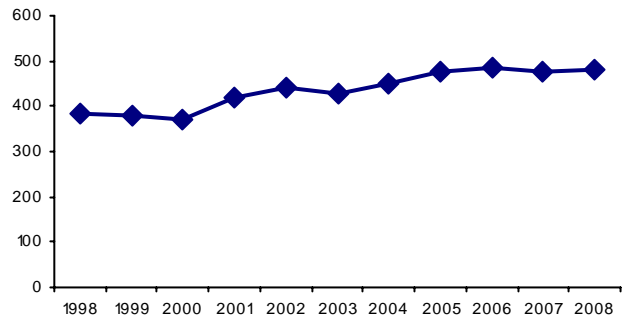
Gonorrhea rate*



Syphilis rate*



Total rate*



* Cases per 100,000 population.

Wisconsin sexually transmitted disease surveillance report, 2008

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	16	100.0%	0.3	49	100.0%	0.9	78	100.0%	1.4	143	100.0%	2.6
Sex												
Male	13	81.3%	0.5	38	77.6%	1.4	52	66.7%	1.9	103	72.0%	3.7
Female	3	18.8%	0.1	11	22.4%	0.4	26	33.3%	0.9	40	28.0%	1.4
Race												
White	4	25.0%	0.1	22	44.9%	0.4	23	29.5%	0.5	49	34.3%	1.0
African American	11	68.8%	3.1	24	49.0%	6.7	48	61.5%	13.4	83	58.0%	23.1
American Indian	0	0.0%	0.0	0	0.0%	0.0	2	2.6%	3.5	2	1.4%	3.5
Asian/Pacific Islander	0	0.0%	0.0	1	2.0%	0.8	0	0.0%	0.0	1	0.7%	0.8
Other	0	0.0%	-	2	4.1%	-	4	5.1%	-	6	4.2%	-
Unknown	1	6.3%	-	0	0.0%	-	1	1.3%	-	2	1.4%	-
Hispanic ethnicity												
Hispanic	1	6.3%	0.4	1	2.0%	0.4	7	9.0%	2.6	9	6.3%	3.3
Non Hispanic	13	81.3%	0.2	47	95.9%	0.9	67	85.9%	1.3	127	88.8%	2.4
Unknown	2	12.5%	-	1	2.0%	-	4	5.1%	-	7	4.9%	-
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	12.5%	0.5	2	4.1%	0.5	4	5.1%	1.0	8	5.6%	2.0
20-24	3	18.8%	0.8	8	16.3%	2.0	13	16.7%	3.3	24	16.8%	6.1
25-29	1	6.3%	0.3	14	28.6%	3.7	14	17.9%	3.7	29	20.3%	7.7
30-34	4	25.0%	1.2	1	2.0%	0.3	12	15.4%	3.6	17	11.9%	5.1
35-39	0	0.0%	0.0	7	14.3%	1.9	7	9.0%	1.9	14	9.8%	3.8
40-44	5	31.3%	1.2	6	12.2%	1.4	8	10.3%	1.9	19	13.3%	4.6
45-49	1	6.3%	0.2	7	14.3%	1.5	11	14.1%	2.4	19	13.3%	4.2
50+	0	0.0%	0.0	4	8.2%	0.2	9	11.5%	0.5	13	9.1%	0.7
Unknown	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
Region of residence												
Northeastern	3	18.8%	0.2	5	10.2%	0.4	4	5.1%	0.3	12	8.4%	1.0
Northern	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Southeastern	11	68.8%	0.5	33	67.3%	1.6	61	78.2%	2.9	105	73.4%	5.0
Southern	2	12.5%	0.2	9	18.4%	0.9	11	14.1%	1.1	22	15.4%	2.1
Western	0	0.0%	0.0	2	4.1%	0.3	1	1.3%	0.1	3	2.1%	0.4
Unknown	0	0.0%	-	0	0.0%	-	1	1.3%	-	1	0.7%	-

* Cases per 100,000 population

** Primary, secondary and early latent cases.

Wisconsin sexually transmitted disease surveillance report, 2008

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	38	100.0%	0.7	11	100.0%	0.2	1	100.0%	0.0	193	100.0%	3.4
Sex												
Male	23	60.5%	0.8	10	90.9%	0.4	0	0.0%	0.0	136	70.5%	4.9
Female	15	39.5%	0.5	1	9.1%	0.0	1	100.0%	0.0	57	29.5%	2.0
Race												
White	6	15.8%	0.1	2	18.2%	0.0	0	0.0%	0.0	57	29.5%	1.1
African American	23	60.5%	6.4	2	18.2%	0.6	1	100.0%	0.3	109	56.5%	30.4
American Indian	1	2.6%	1.8	0	0.0%	0.0	0	0.0%	0.0	3	1.6%	5.3
Asian/Pacific Islander	1	2.6%	0.8	0	0.0%	0.0	0	0.0%	0.0	2	1.0%	1.7
Other	1	2.6%	-	4	36.4%	-	0	0.0%	-	11	5.7%	-
Unknown	6	15.8%	-	3	27.3%	-	0	0.0%	-	11	5.7%	-
Hispanic ethnicity												
Hispanic	2	5.3%	0.7	5	45.5%	1.8	0	0.0%	0.0	16	8.3%	5.9
Non Hispanic	29	76.3%	0.5	4	36.4%	0.1	1	100.0%	0.0	161	83.4%	3.0
Unknown	7	18.4%	-	2	18.2%	-	0	0.0%	-	16	8.3%	-
Age												
0-4	0	0.0%	0.0	0	0.0%	0.0	1	100.0%	0.3	1	0.5%	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	2	5.3%	0.5	0	0.0%	0.0	0	0.0%	0.0	10	5.2%	2.9
20-24	6	15.8%	1.5	0	0.0%	0.0	0	0.0%	0.0	30	15.5%	7.6
25-29	4	10.5%	1.1	4	36.4%	1.1	0	0.0%	0.0	37	19.2%	9.9
30-34	5	13.2%	1.5	3	27.3%	0.9	0	0.0%	0.0	25	13.0%	7.4
35-39	5	13.2%	1.3	0	0.0%	0.0	0	0.0%	0.0	19	9.8%	5.1
40-44	3	7.9%	0.7	1	9.1%	0.2	0	0.0%	0.0	23	11.9%	5.9
45-49	6	15.8%	1.3	2	18.2%	0.4	0	0.0%	0.0	27	14.0%	6.0
50+	7	18.4%	0.4	1	9.1%	0.1	0	0.0%	0.0	21	10.9%	1.2
Unknown	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
Region of residence												
Northeastern	0	0.0%	0.0	2	18.2%	0.2	0	0.0%	0.0	14	7.3%	1.2
Northern	0	0.0%	0.0	1	9.1%	0.2	0	0.0%	0.0	1	0.5%	0.2
Southeastern	36	94.7%	1.7	5	45.5%	0.2	1	100.0%	0.0	147	76.2%	7.1
Southern	2	5.3%	0.2	3	27.3%	0.3	0	0.0%	0.0	27	14.0%	2.6
Western	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	3	1.6%	0.4
Unknown	0	0.0%	-	0	0.0%	-	0	0.0%	-	1	0.5%	-

* Cases per 100,000 population

Technical notes

1. These reports are compiled by the Wisconsin STD Program 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 report supercedes all previous reports.
3. Reporting of STDs 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 underestimate 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 Program
1 West Wilson Street
PO Box 2659
Madison, WI53701-2659
Telephone: (608) 266-8479