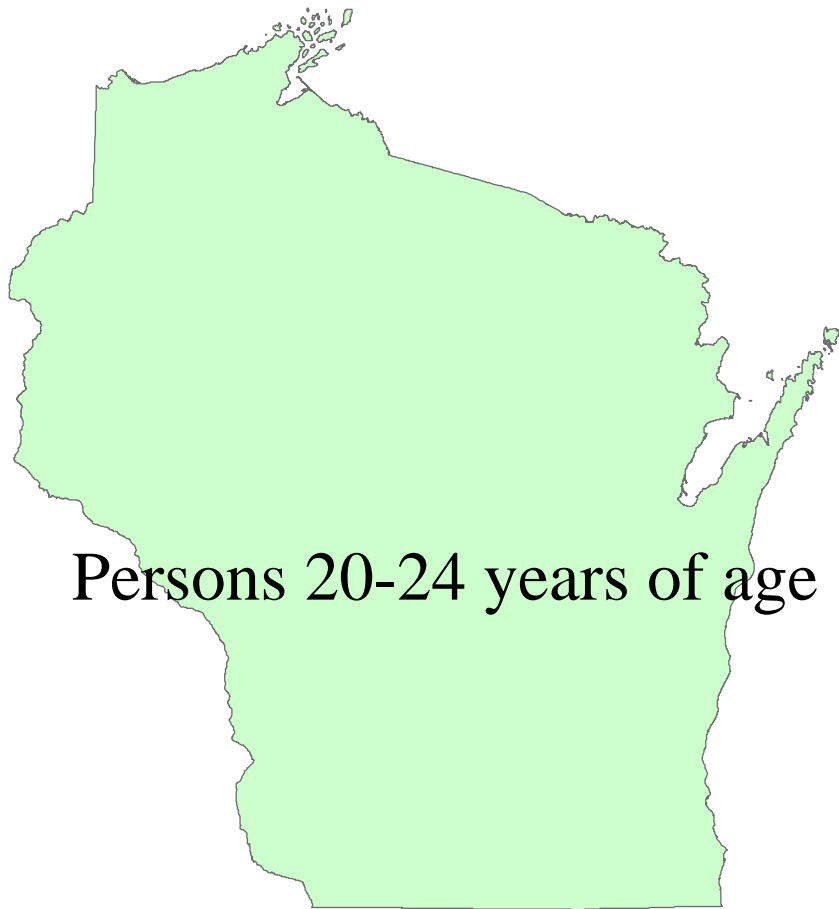


# **Sexually Transmitted Disease in Wisconsin 2009**



Wisconsin STD Control Section  
State of Wisconsin

# Wisconsin sexually transmitted disease surveillance report, 2009

## 20-24 years of age

	Chlamydia*			Gonorrhea*			Syphilis*			Total*		
	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**
<b>Total</b>												
Total	7,919	100.0%	2,016	1,743	100.0%	444	33	100.0%	8	9,695	100.0%	2,468
<b>Sex</b>												
Male	2,190	27.7%	1,096	704	40.4%	352	19	57.6%	10	2,913	30.0%	1,457
Female	5,689	71.8%	2,948	1,028	59.0%	533	14	42.4%	7	6,731	69.4%	3,488
Unknown	39	0.5%	-	10	0.6%	-	0	0.0%	-	49	0.5%	-
<b>Race</b>												
White	2,902	36.6%	834	299	17.2%	86	2	6.1%	1	3,203	33.0%	920
African American	2,226	28.1%	7,451	891	51.1%	2,982	28	84.8%	94	3,145	32.4%	10,527
American Indian	114	1.4%	2,262	26	1.5%	516	0	0.0%	0	140	1.4%	2,778
Asian/Pacific Islander	84	1.1%	856	7	0.4%	71	1	3.0%	10	92	0.9%	938
Other	162	2.0%	-	22	1.3%	-	1	3.0%	-	185	1.9%	-
Unknown	2,431	30.7%	-	498	28.6%	-	1	3.0%	-	2,930	30.2%	-
<b>Hispanic ethnicity</b>												
Hispanic	345	4.4%	1,580	51	2.9%	234	0	0.0%	0	396	4.1%	1,814
Not Hispanic	4,204	53.1%	1,133	891	51.1%	240	32	97.0%	9	5,127	52.9%	1,382
Unknown	3,370	42.6%	-	801	46.0%	-	1	3.0%	-	4,172	43.0%	-
<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	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
20-24	7,919	100.0%	2,016	1,743	100.0%	444	33	100.0%	8	9,695	100.0%	2,468
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	1,109	14.0%	1,431	144	8.3%	186	1	3.0%	1	1,254	12.9%	1,618
Northern	297	3.8%	936	20	1.1%	63	0	0.0%	0	317	3.3%	999
Southeastern	4,518	57.1%	3,395	1,328	76.2%	998	27	81.8%	20	5,873	60.6%	4,413
Southern	1,247	15.7%	1,424	196	11.2%	224	4	12.1%	5	1,447	14.9%	1,653
Western	747	9.4%	1,186	54	3.1%	86	1	3.0%	2	802	8.3%	1,273
Unknown	1	0.0%	-	1	0.1%	-	0	0.0%	-	2	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, 2009

## Reported cases by region and county

### 20-24 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	361	4.6%	2,182	72	4.1%	435	0	0.0%	0	433	4.5%	2,617
Calumet	16	0.2%	640	1	0.1%	40	0	0.0%	0	17	0.2%	680
Door	26	0.3%	1,913	1	0.1%	74	0	0.0%	0	27	0.3%	1,987
Fond du lac	90	1.1%	1,353	17	1.0%	256	1	3.0%	15	108	1.1%	1,623
Green Lake	8	0.1%	831	0	0.0%	0	0	0.0%	0	8	0.1%	831
Kewaunee	10	0.1%	812	1	0.1%	81	0	0.0%	0	11	0.1%	894
Manitowoc	49	0.6%	1,049	3	0.2%	64	0	0.0%	0	52	0.5%	1,114
Marinette	29	0.4%	1,094	1	0.1%	38	0	0.0%	0	30	0.3%	1,131
Marquette	9	0.1%	1,134	0	0.0%	0	0	0.0%	0	9	0.1%	1,134
Menominee	12	0.2%	3,361	2	0.1%	560	0	0.0%	0	14	0.1%	3,922
Oconto	32	0.4%	1,504	2	0.1%	94	0	0.0%	0	34	0.4%	1,598
Outagamie	138	1.7%	1,217	21	1.2%	185	0	0.0%	0	159	1.6%	1,402
Shawano	14	0.2%	622	0	0.0%	0	0	0.0%	0	14	0.1%	622
Sheboygan	92	1.2%	1,350	5	0.3%	73	0	0.0%	0	97	1.0%	1,424
Waupaca	28	0.4%	998	2	0.1%	71	0	0.0%	0	30	0.3%	1,070
Waushara	12	0.2%	785	0	0.0%	0	0	0.0%	0	12	0.1%	785
Winnebago	183	2.3%	1,416	16	0.9%	124	0	0.0%	0	199	2.1%	1,540
<b>Region total</b>	<b>1,109</b>	<b>14.0%</b>	<b>1,431</b>	<b>144</b>	<b>8.3%</b>	<b>186</b>	<b>1</b>	<b>3.0%</b>	<b>1</b>	<b>1,254</b>	<b>12.9%</b>	<b>1,618</b>
<b>Northern</b>												
Ashland	16	0.2%	1,236	2	0.1%	155	0	0.0%	0	18	0.2%	1,391
Bayfield	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
Florence	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0
Forest	14	0.2%	2,333	2	0.1%	333	0	0.0%	0	16	0.2%	2,667
Iron	2	0.0%	664	0	0.0%	0	0	0.0%	0	2	0.0%	664
Langlade	8	0.1%	740	0	0.0%	0	0	0.0%	0	8	0.1%	740
Lincoln	18	0.2%	1,134	2	0.1%	126	0	0.0%	0	20	0.2%	1,259
Marathon	78	1.0%	1,020	8	0.5%	105	0	0.0%	0	86	0.9%	1,124
Oneida	20	0.3%	1,004	0	0.0%	0	0	0.0%	0	20	0.2%	1,004
Portage	63	0.8%	777	5	0.3%	62	0	0.0%	0	68	0.7%	839
Price	4	0.1%	533	0	0.0%	0	0	0.0%	0	4	0.0%	533
Sawyer	5	0.1%	522	0	0.0%	0	0	0.0%	0	5	0.1%	522
Taylor	5	0.1%	452	0	0.0%	0	0	0.0%	0	5	0.1%	452
Vilas	19	0.2%	1,845	0	0.0%	0	0	0.0%	0	19	0.2%	1,845
Wood	45	0.6%	1,086	1	0.1%	24	0	0.0%	0	46	0.5%	1,110
<b>Region total</b>	<b>297</b>	<b>3.8%</b>	<b>936</b>	<b>20</b>	<b>1.1%</b>	<b>63</b>	<b>0</b>	<b>0.0%</b>	<b>0</b>	<b>317</b>	<b>3.3%</b>	<b>999</b>
<b>Southeastern</b>												
Kenosha	259	3.3%	2,444	48	2.8%	453	1	3.0%	9	308	3.2%	2,906
Milwaukee	3,480	43.9%	5,419	1,168	67.0%	1,819	25	75.8%	39	4,673	48.2%	7,277
Ozaukee	28	0.4%	492	5	0.3%	88	0	0.0%	0	33	0.3%	580
Racine	359	4.5%	2,909	77	4.4%	624	0	0.0%	0	436	4.5%	3,533
Walworth	97	1.2%	1,091	8	0.5%	90	0	0.0%	0	105	1.1%	1,181
Washington	49	0.6%	645	4	0.2%	53	0	0.0%	0	53	0.5%	697
Waukesha	199	2.5%	838	14	0.8%	59	1	3.0%	4	214	2.2%	901
<b>Region total</b>	<b>4,471</b>	<b>56.5%</b>	<b>3,359</b>	<b>1,324</b>	<b>76.0%</b>	<b>995</b>	<b>27</b>	<b>81.8%</b>	<b>20</b>	<b>5,822</b>	<b>60.1%</b>	<b>4,374</b>

Region/County	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
<b>Southern</b>												
Adams	5	0.1%	505	1	0.1%	101	0	0.0%	0	6	0.1%	606
Columbia	38	0.5%	1,198	2	0.1%	63	0	0.0%	0	40	0.4%	1,261
Crawford	9	0.1%	770	0	0.0%	0	0	0.0%	0	9	0.1%	770
Dane	638	8.1%	1,397	122	7.0%	267	4	12.1%	9	764	7.9%	1,673
Dodge	139	1.8%	2,455	17	1.0%	300	0	0.0%	0	156	1.6%	2,755
Grant	59	0.7%	1,090	4	0.2%	74	0	0.0%	0	63	0.6%	1,164
Green	38	0.5%	1,867	1	0.1%	49	0	0.0%	0	39	0.4%	1,916
Iowa	19	0.2%	1,435	2	0.1%	151	0	0.0%	0	21	0.2%	1,586
Jefferson	47	0.6%	862	4	0.2%	73	0	0.0%	0	51	0.5%	935
Juneau	19	0.2%	1,147	0	0.0%	0	0	0.0%	0	19	0.2%	1,147
Lafayette	3	0.0%	294	2	0.1%	196	0	0.0%	0	5	0.1%	490
Richland	10	0.1%	965	1	0.1%	97	0	0.0%	0	11	0.1%	1,062
Rock	224	2.8%	2,320	42	2.4%	435	0	0.0%	0	266	2.7%	2,755
Sauk	46	0.6%	1,392	2	0.1%	61	0	0.0%	0	48	0.5%	1,453
<b>Region total</b>	<b>1,294</b>	<b>16.3%</b>	<b>1,478</b>	<b>200</b>	<b>11.5%</b>	<b>228</b>	<b>4</b>	<b>12.1%</b>	<b>5</b>	<b>1,498</b>	<b>15.5%</b>	<b>1,711</b>
<b>Western</b>												
Barron	32	0.4%	1,212	0	0.0%	0	0	0.0%	0	32	0.3%	1,212
Buffalo	6	0.1%	791	0	0.0%	0	0	0.0%	0	6	0.1%	791
Burnett	10	0.1%	1,300	0	0.0%	0	0	0.0%	0	10	0.1%	1,300
Chippewa	34	0.4%	843	2	0.1%	50	0	0.0%	0	36	0.4%	893
Clark	17	0.2%	956	0	0.0%	0	0	0.0%	0	17	0.2%	956
Douglas	57	0.7%	1,865	1	0.1%	33	0	0.0%	0	58	0.6%	1,898
Dunn	79	1.0%	1,374	6	0.3%	104	0	0.0%	0	85	0.9%	1,478
Eau Claire	136	1.7%	1,202	10	0.6%	88	0	0.0%	0	146	1.5%	1,291
Jackson	9	0.1%	667	0	0.0%	0	0	0.0%	0	9	0.1%	667
La Crosse	170	2.1%	1,455	25	1.4%	214	1	3.0%	9	196	2.0%	1,677
Monroe	31	0.4%	1,223	1	0.1%	39	0	0.0%	0	32	0.3%	1,263
Pepin	2	0.0%	430	0	0.0%	0	0	0.0%	0	2	0.0%	430
Pierce	42	0.5%	932	2	0.1%	44	0	0.0%	0	44	0.5%	976
Polk	25	0.3%	1,003	3	0.2%	120	0	0.0%	0	28	0.3%	1,123
Rusk	8	0.1%	902	0	0.0%	0	0	0.0%	0	8	0.1%	902
St. Croix	32	0.4%	645	2	0.1%	40	0	0.0%	0	34	0.4%	685
Trempealeau	30	0.4%	2,063	0	0.0%	0	0	0.0%	0	30	0.3%	2,063
Vernon	21	0.3%	1,266	1	0.1%	60	0	0.0%	0	22	0.2%	1,326
Washburn	6	0.1%	667	1	0.1%	111	0	0.0%	0	7	0.1%	778
<b>Region total</b>	<b>747</b>	<b>9.4%</b>	<b>1,186</b>	<b>54</b>	<b>3.1%</b>	<b>86</b>	<b>1</b>	<b>3.0%</b>	<b>2</b>	<b>802</b>	<b>8.3%</b>	<b>1,273</b>
<b>Unknown</b>												
Unknown	1	0.0%	-	1	0.1%	-	0	0.0%	-	2	0.0%	-
<b>Region total</b>	<b>1</b>	<b>0.0%</b>		<b>1</b>	<b>0.1%</b>		<b>0</b>	<b>0.0%</b>		<b>2</b>	<b>0.0%</b>	
<b>Total</b>	<b>7,919</b>	<b>100.0%</b>	<b>2,016</b>	<b>1,743</b>	<b>100.0%</b>	<b>444</b>	<b>33</b>	<b>100.0%</b>	<b>8</b>	<b>9,695</b>	<b>100.0%</b>	<b>2,468</b>

\*\* Cases per 100,000 population.

**Wisconsin sexually transmitted disease surveillance report, 2009**  
**Unadjusted\* and imputed\*\* cases per 100,000 population by race**  
**20-24 years of age**

	White		African American		American Indian		Asian/Pacific Islander	
	Unadjusted*	Imputed**	Unadjusted*	Imputed**	Unadjusted*	Imputed**	Unadjusted*	Imputed**
Chlamydia	834	1,125	7,451	12,019	2,262	2,704	856	1,414
Gonorrhea	86	114	2,982	4,215	516	572	71	133
Syphilis	1	1	94	97	0	0	10	10
<b>Total</b>	920	1,239	10,527	16,330	2,778	3,276	938	1,558

\* 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.

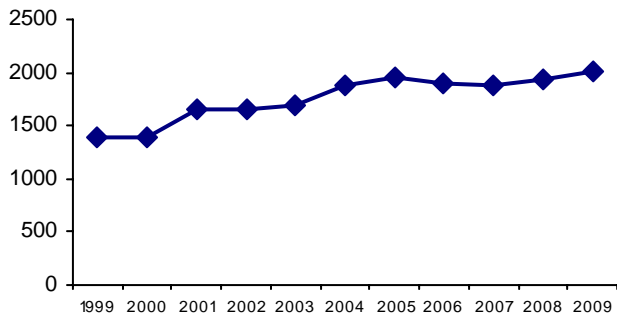
\*\* The imputed rate takes into consideration cases reported without race specified. To calculate the imputed rate reported cases with unspecified race were statistically allocated using the age-sex-county-specific race distribution for cases with specified race. Thus, imputed rates specified in this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

# Wisconsin sexually transmitted disease surveillance report, 2009

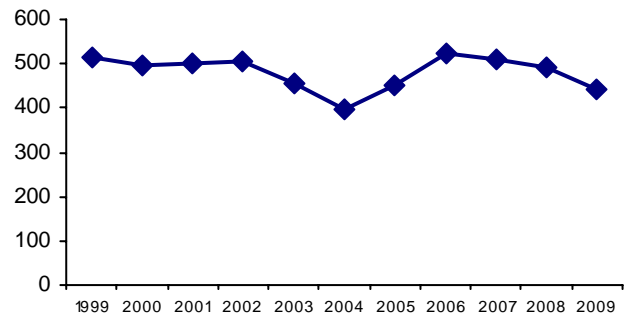
## Reported cases by year of diagnosis, past ten years 20-24 years of age

Year	Chlamydia		Gonorrhea		Syphilis		Total	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
2000	5,011	1,391	1,785	496	21	6	6,817	1,893
2001	6,141	1,645	1,863	499	12	3	8,016	2,148
2002	6,409	1,659	1,957	507	15	4	8,381	2,170
2003	6,687	1,689	1,803	455	11	3	8,501	2,147
2004	7,482	1,874	1,593	399	8	2	9,083	2,275
2005	7,780	1,951	1,796	450	11	3	9,587	2,404
2006	7,512	1,890	2,073	522	17	4	9,602	2,416
2007	7,355	1,873	2,004	510	23	6	9,382	2,390
2008	7,628	1,942	1,931	492	30	8	9,589	2,441
2009	7,919	2,016	1,743	444	33	8	9,695	2,468

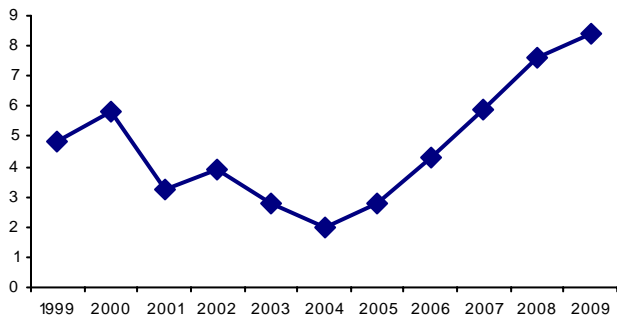
**Chlamydia rate\***



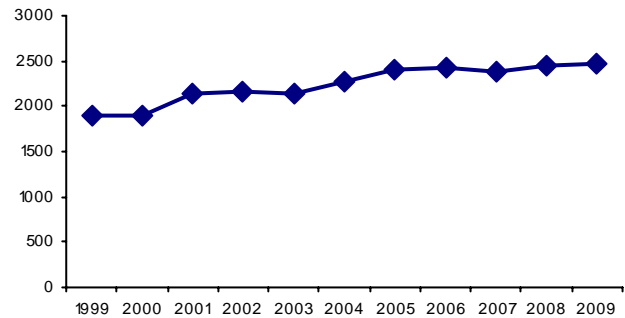
**Gonorrhea rate\***



**Syphilis rate\***



**Total rate\***



\* Cases per 100,000 population.

# Wisconsin sexually transmitted disease surveillance report, 2009

## Syphilis cases by disease stage

### 20-24 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	7	100.0%	1.8	13	100.0%	3.3	22	100.0%	5.6
<b>Sex</b>												
Male	2	100.0%	1.0	5	71.4%	2.5	7	53.8%	3.5	14	63.6%	7.0
Female	0	0.0%	0.0	2	28.6%	1.0	6	46.2%	3.1	8	36.4%	4.1
<b>Race</b>												
White	0	0.0%	0.0	0	0.0%	0.0	1	7.7%	0.3	1	4.5%	0.3
African American	1	50.0%	3.3	6	85.7%	20.1	12	92.3%	40.2	19	86.4%	63.6
Asian/Pacific Islander	0	0.0%	0.0	1	14.3%	10.2	0	0.0%	0.0	1	4.5%	10.2
Other	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
Unknown	1	50.0%	-	0	0.0%	-	0	0.0%	-	1	4.5%	-
<b>Hispanic ethnicity</b>												
Non Hispanic	1	50.0%	-	7	100.0%	-	13	100.0%	-	21	95.5%	-
Unknown	1	50.0%	-	0	0.0%	-	0	0.0%	-	1	4.5%	-
<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	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
20-24	2	100.0%	0.5	7	100.0%	1.8	13	100.0%	3.3	22	100.0%	5.6
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, 2009

## Syphilis cases by disease stage

### 20-24 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	9	100.0%	2.3	2	100.0%	0.5	0	0.0%	0.0	33	100.0%	8.4
<b>Sex</b>												
Male	3	33.3%	1.5	2	100.0%	1.0	0	0.0%	0.0	19	57.6%	9.5
Female	6	66.7%	3.1	0	0.0%	0.0	0	0.0%	0.0	14	42.4%	7.3
<b>Race</b>												
White	1	11.1%	0.3	0	0.0%	0.0	0	0.0%	0.0	2	6.1%	0.6
African American	7	77.8%	23.4	2	100.0%	6.7	0	0.0%	0.0	28	84.8%	93.7
Asian/Pacific Islander	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	1	3.0%	10.2
Other	1	11.1%	-	0	0.0%	-	0	0.0%	-	1	3.0%	-
Unknown	0	0.0%	-	0	0.0%	-	0	0.0%	-	1	3.0%	-
<b>Hispanic ethnicity</b>												
Non Hispanic	9	100.0%	-	2	100.0%	-	0	0.0%	-	32	97.0%	-
Unknown	0	0.0%	-	0	0.0%	-	0	0.0%	-	1	3.0%	-
<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	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
20-24	9	100.0%	2.3	2	100.0%	0.5	0	0.0%	0.0	33	100.0%	8.4
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 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.

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