

Sexually Transmitted Disease in Wisconsin 2016



Wisconsin sexually transmitted disease surveillance report, 2016

Persons 20-24 years of age

	Chlamydia*			Gonorrhea*			Syphilis*			Total*		
	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**
Total												
Total	10,262	100.0%	2,612	1,971	100.0%	502	87	100.0%	22	12,325	100.0%	3,137
Sex												
Male	3,081	30.0%	1,541	958	48.6%	479	74	85.1%	37	4,113	33.4%	2,058
Female	7,173	69.9%	3,717	1,012	51.3%	524	13	14.9%	7	8,203	66.6%	4,251
Unknown	8	0.1%	-	1	0.1%	-	0	0.0%	-	9	0.1%	-
Race												
White	4,978	48.5%	1,430	396	20.1%	114	37	42.5%	11	5,412	43.9%	1,554
African American	2,716	26.5%	9,091	1,044	53.0%	3,495	35	40.2%	117	3,797	30.8%	12,710
American Indian	109	1.1%	2,163	9	0.5%	179	1	1.1%	20	119	1.0%	2,362
Asian/Pacific Islander	132	1.3%	1,346	15	0.8%	153	1	1.1%	10	148	1.2%	1,509
Other	354	3.4%	-	49	2.5%	-	4	4.6%	-	407	3.3%	-
Unknown	1,973	19.2%	-	458	23.2%	-	9	10.3%	-	2,442	19.8%	-
Hispanic ethnicity												
Hispanic	616	6.0%	2,822	62	3.1%	284	11	12.6%	50	689	5.6%	3,156
Not Hispanic	5,761	56.1%	1,553	944	47.9%	254	70	80.5%	19	6,778	55.0%	1,827
Unknown	3,885	37.9%	-	965	49.0%	-	6	6.9%	-	4,858	39.4%	-
Age												
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	10,262	100.0%	2,612	1,971	100.0%	502	87	100.0%	22	12,325	100.0%	3,137
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%	-
Region of residence												
Northeastern	1,716	16.7%	2,214	160	8.1%	206	12	13.8%	15	1,888	15.3%	2,436
Northern	491	4.8%	1,548	13	0.7%	41	2	2.3%	6	506	4.1%	1,595
Southeastern	5,149	50.2%	3,869	1,522	77.2%	1,144	47	54.0%	35	6,718	54.5%	5,048
Southern	1,789	17.4%	2,005	235	11.9%	263	17	19.5%	19	2,046	16.6%	2,293
Western	1,117	10.9%	1,821	41	2.1%	67	9	10.3%	15	1,167	9.5%	1,903
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, 2016

Reported cases by region and county

Persons 20-24 years of age

Region/County	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
Northeastern												
Brown	414	4.0%	2,502	30	1.5%	181	3	3.4%	18	447	3.6%	2,702
Calumet	45	0.4%	1,800	5	0.3%	200	0	0.0%	0	50	0.4%	2,000
Door	19	0.2%	1,398	2	0.1%	147	1	1.1%	74	22	0.2%	1,619
Fond du lac	149	1.5%	2,240	28	1.4%	421	1	1.1%	15	178	1.4%	2,675
Green Lake	17	0.2%	1,765	1	0.1%	104	0	0.0%	0	18	0.1%	1,869
Kewaunee	11	0.1%	894	1	0.1%	81	0	0.0%	0	12	0.1%	975
Manitowoc	101	1.0%	2,163	14	0.7%	300	0	0.0%	0	115	0.9%	2,463
Marinette	47	0.5%	1,772	1	0.1%	38	1	1.1%	38	49	0.4%	1,848
Marquette	14	0.1%	1,763	0	0.0%	0	0	0.0%	0	14	0.1%	1,763
Menominee	13	0.1%	3,641	0	0.0%	0	0	0.0%	0	13	0.1%	3,641
Oconto	34	0.3%	1,598	2	0.1%	94	0	0.0%	0	36	0.3%	1,692
Outagamie	252	2.5%	2,222	20	1.0%	176	1	1.1%	9	273	2.2%	2,407
Shawano	48	0.5%	2,133	1	0.1%	44	0	0.0%	0	49	0.4%	2,178
Sheboygan	147	1.4%	2,157	17	0.9%	249	2	2.3%	29	166	1.3%	2,436
Waupaca	55	0.5%	1,961	4	0.2%	143	0	0.0%	0	59	0.5%	2,103
Waushara	20	0.2%	1,309	3	0.2%	196	0	0.0%	0	23	0.2%	1,505
Winnebago	330	3.2%	2,554	31	1.6%	240	3	3.4%	23	364	3.0%	2,817
Region total	1,716	16.7%	2,214	160	8.1%	206	12	13.8%	15	1,888	15.3%	2,436
Northern												
Ashland	21	0.2%	1,623	0	0.0%	0	0	0.0%	0	21	0.2%	1,623
Bayfield	7	0.1%	773	1	0.1%	110	0	0.0%	0	8	0.1%	884
Florence	2	0.0%	893	0	0.0%	0	0	0.0%	0	2	0.0%	893
Forest	12	0.1%	2,000	1	0.1%	167	0	0.0%	0	13	0.1%	2,167
Iron	2	0.0%	664	0	0.0%	0	0	0.0%	0	2	0.0%	664
Langlade	9	0.1%	833	0	0.0%	0	0	0.0%	0	9	0.1%	833
Lincoln	25	0.2%	1,574	0	0.0%	0	0	0.0%	0	25	0.2%	1,574
Marathon	156	1.5%	2,039	4	0.2%	52	0	0.0%	0	160	1.3%	2,092
Oneida	23	0.2%	1,155	0	0.0%	0	0	0.0%	0	23	0.2%	1,155
Portage	108	1.1%	1,333	5	0.3%	62	0	0.0%	0	113	0.9%	1,395
Price	13	0.1%	1,731	0	0.0%	0	0	0.0%	0	13	0.1%	1,731
Sawyer	9	0.1%	940	1	0.1%	104	0	0.0%	0	10	0.1%	1,045
Taylor	21	0.2%	1,897	0	0.0%	0	0	0.0%	0	21	0.2%	1,897
Vilas	8	0.1%	777	0	0.0%	0	0	0.0%	0	8	0.1%	777
Wood	75	0.7%	1,809	1	0.1%	24	2	2.3%	48	78	0.6%	1,882
Region total	491	4.8%	1,548	13	0.7%	41	2	2.3%	6	506	4.1%	1,595
Southeastern												
Kenosha	352	3.4%	3,321	79	4.0%	745	3	3.4%	28	434	3.5%	4,095
Milwaukee	3,867	37.7%	6,021	1,325	67.2%	2,063	38	43.7%	59	5,230	42.4%	8,144
Ozaukee	47	0.5%	826	3	0.2%	53	0	0.0%	0	50	0.4%	878
Racine	280	2.7%	2,269	63	3.2%	510	4	4.6%	32	347	2.8%	2,812
Walworth	178	1.7%	2,001	10	0.5%	112	0	0.0%	0	188	1.5%	2,114
Washington	106	1.0%	1,395	9	0.5%	118	1	1.1%	13	116	0.9%	1,526
Waukesha	319	3.1%	1,343	33	1.7%	139	1	1.1%	4	353	2.9%	1,486
Region total	5,149	50.2%	3,869	1,522	77.2%	1,144	47	54.0%	35	6,718	54.5%	5,048

Region/County	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
Southern												
Adams	10	0.1%	1,010	1	0.1%	101	0	0.0%	0	11	0.1%	1,111
Columbia	56	0.5%	1,765	5	0.3%	158	0	0.0%	0	61	0.5%	1,922
Crawford	12	0.1%	1,027	0	0.0%	0	0	0.0%	0	12	0.1%	1,027
Dane	957	9.3%	2,096	145	7.4%	318	15	17.2%	33	1,118	9.1%	2,448
Dodge	74	0.7%	1,307	5	0.3%	88	0	0.0%	0	80	0.6%	1,413
Grant	66	0.6%	1,220	2	0.1%	37	0	0.0%	0	68	0.6%	1,256
Green	36	0.4%	1,769	1	0.1%	49	0	0.0%	0	37	0.3%	1,818
Iowa	16	0.2%	1,208	0	0.0%	0	0	0.0%	0	16	0.1%	1,208
Jefferson	86	0.8%	1,577	6	0.3%	110	1	1.1%	18	95	0.8%	1,742
Juneau	34	0.3%	2,052	0	0.0%	0	0	0.0%	0	34	0.3%	2,052
Lafayette	9	0.1%	882	1	0.1%	98	0	0.0%	0	10	0.1%	980
Richland	8	0.1%	772	0	0.0%	0	0	0.0%	0	8	0.1%	772
Rock	312	3.0%	3,232	63	3.2%	653	0	0.0%	0	375	3.0%	3,884
Sauk	89	0.9%	2,694	6	0.3%	182	1	1.1%	30	97	0.8%	2,936
Vernon	24	0.2%	1,447	0	0.0%	0	0	0.0%	0	24	0.2%	1,447
Region total	1,789	17.4%	2,005	235	11.9%	263	17	19.5%	19	2,046	16.6%	2,293
Western												
Barron	54	0.5%	2,045	1	0.1%	38	0	0.0%	0	55	0.4%	2,083
Buffalo	15	0.1%	1,976	0	0.0%	0	0	0.0%	0	15	0.1%	1,976
Burnett	4	0.0%	520	0	0.0%	0	0	0.0%	0	4	0.0%	520
Chippewa	75	0.7%	1,860	2	0.1%	50	1	1.1%	25	78	0.6%	1,934
Clark	18	0.2%	1,012	1	0.1%	56	0	0.0%	0	19	0.2%	1,069
Douglas	63	0.6%	2,062	5	0.3%	164	0	0.0%	0	68	0.6%	2,225
Dunn	75	0.7%	1,304	2	0.1%	35	1	1.1%	17	78	0.6%	1,357
Eau Claire	191	1.9%	1,688	10	0.5%	88	3	3.4%	27	204	1.7%	1,803
Jackson	17	0.2%	1,260	2	0.1%	148	0	0.0%	0	19	0.2%	1,408
La Crosse	260	2.5%	2,225	8	0.4%	68	0	0.0%	0	268	2.2%	2,293
Monroe	65	0.6%	2,565	1	0.1%	39	0	0.0%	0	66	0.5%	2,605
Pepin	18	0.2%	3,871	0	0.0%	0	0	0.0%	0	18	0.1%	3,871
Pierce	75	0.7%	1,664	1	0.1%	22	1	1.1%	22	77	0.6%	1,708
Polk	49	0.5%	1,966	1	0.1%	40	0	0.0%	0	50	0.4%	2,006
Rusk	17	0.2%	1,917	0	0.0%	0	1	1.1%	113	18	0.1%	2,029
St. Croix	60	0.6%	1,210	5	0.3%	101	2	2.3%	40	67	0.5%	1,351
Trempealeau	48	0.5%	3,301	1	0.1%	69	0	0.0%	0	49	0.4%	3,370
Washburn	13	0.1%	1,444	1	0.1%	111	0	0.0%	0	14	0.1%	1,556
Region total	1,117	10.9%	1,821	41	2.1%	67	9	10.3%	15	1,167	9.5%	1,903
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	10,262	100.0%	2,612	1,971	100.0%	502	87	100.0%	22	12,325	100.0%	3,137

* Cases per 100,000 population

Wisconsin sexually transmitted disease surveillance report, 2016
Unadjusted* and imputed cases per 100,000 population by race**
Persons 20-24 years of age

	White		African American		American Indian		Asian/Pacific Islander	
	Unadjusted*	Imputed**	Unadjusted*	Imputed**	Unadjusted*	Imputed**	Unadjusted*	Imputed**
Chlamydia	1,430	1,739	9,091	12,963	2,163	2,589	1,346	1,749
Gonorrhea	114	141	3,495	4,802	179	200	153	197
Other	0	0	7	7	0	0	0	0
Syphilis	11	11	117	121	20	21	10	10
Total	1,554	1,891	12,710	17,892	2,362	2,809	1,509	1,957

* 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.

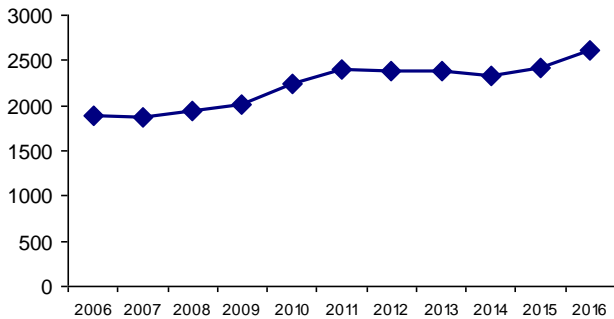
Wisconsin sexually transmitted disease surveillance report, 2016

Reported cases by year of diagnosis, past 10 years

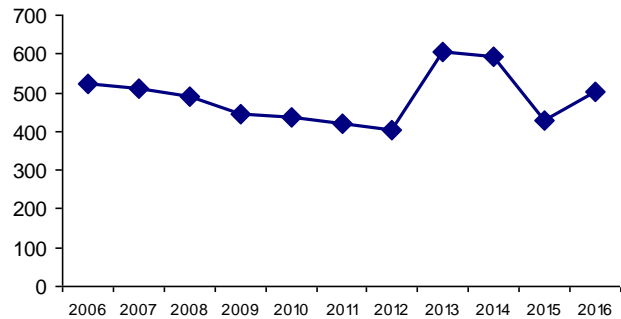
Persons 20-24 years of age

Year	Chlamydia		Gonorrhea		Syphilis		Total	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
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
2010	8,808	2,242	1,722	438	44	11	10,574	2,691
2011	9,455	2,407	1,648	419	39	10	11,142	2,836
2012	9,365	2,384	1,583	403	56	14	11,004	2,801
2013	9,344	2,378	2,378	605	45	11	10,907	2,776
2014	9,183	2,337	2,337	595	66	17	10,658	2,713
2015	9,526	2,425	1,678	427	49	12	11,253	2,864
2016	10,262	2,612	1,971	502	63	16	12,257	3,120

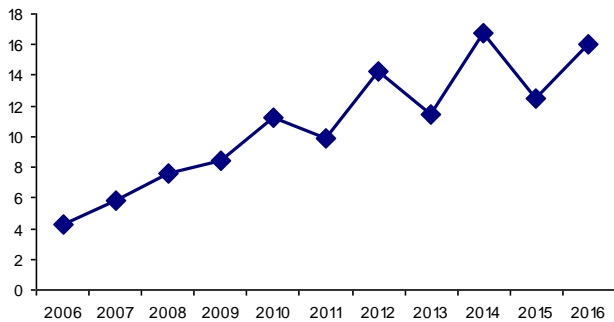
Chlamydia rate*



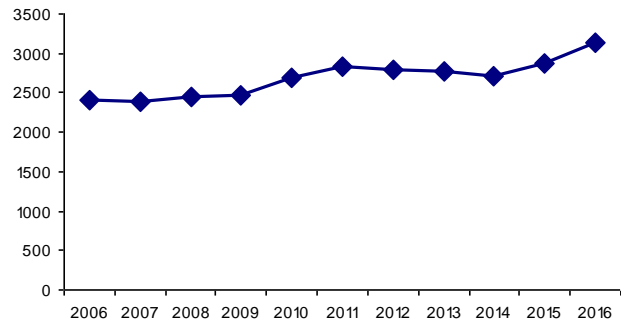
Gonorrhea rate*



Syphilis rate*



Total rate*



* Cases per 100,000 population

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Syphilis cases by disease stage

Persons 20-24 years of age

	Primary			Secondary			Early latent			Early total**		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
Total												
Total	12	100.0%	3.1	18	100.0%	4.6	33	100.0%	8.4	63	100.0%	16.0
Sex												
Male	11	91.7%	5.5	18	100.0%	9.0	27	81.8%	13.5	56	88.9%	28.0
Female	1	8.3%	0.5	0	0.0%	0.0	6	18.2%	3.1	7	11.1%	3.6
Race												
White	9	75.0%	2.6	8	44.4%	2.3	8	24.2%	2.3	25	39.7%	7.2
African American	2	16.7%	6.7	7	38.9%	23.4	17	51.5%	56.9	26	41.3%	87.0
American Indian	0	0.0%	0.0	0	0.0%	0.0	1	3.0%	19.8	1	1.6%	19.8
Asian/Pacific Islander	0	0.0%	0.0	1	5.6%	10.2	0	0.0%	0.0	1	1.6%	10.2
Other	0	0.0%	-	0	0.0%	-	1	3.0%	-	1	1.6%	-
Unknown	1	8.3%	-	2	11.1%	-	6	18.2%	-	9	14.3%	-
Hispanic ethnicity												
Hispanic	1	8.3%	4.6	3	16.7%	13.7	3	9.1%	13.7	7	11.1%	32.1
Non Hispanic	10	83.3%	-	14	77.8%	-	26	78.8%	-	50	79.4%	-
Unknown	1	8.3%	-	1	5.6%	-	4	12.1%	-	6	9.5%	-
Age												
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	12	100.0%	3.1	18	100.0%	4.6	33	100.0%	8.4	63	100.0%	16.0
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

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Syphilis cases by disease stage

Persons 20-24 years of age

	Late latent			Unknown latency			Congenital			All stages		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
Total												
Total	24	100.0%	6.1	0	-	0.0	0	0.0%	0.0	87	100.0%	22.1
Sex												
Male	18	75.0%	9.0	0	-	0.0	0	0.0%	0.0	74	85.1%	37.0
Female	6	25.0%	3.1	0	-	0.0	0	0.0%	0.0	13	14.9%	6.7
Race												
White	12	50.0%	3.4	0	-	0.0	0	0.0%	0.0	37	42.5%	10.6
African American	9	37.5%	30.1	0	-	0.0	0	0.0%	0.0	35	40.2%	117.2
American Indian	0	0.0%	0.0	0	-	0.0	0	0.0%	0.0	1	1.1%	19.8
Asian/Pacific Islander	0	0.0%	0.0	0	-	0.0	0	0.0%	0.0	1	1.1%	10.2
Other	3	12.5%	-	0	-	-	0	0.0%	-	4	4.6%	-
Unknown	0	0.0%	-	0	-	-	0	0.0%	-	9	10.3%	-
Hispanic ethnicity												
Hispanic	4	16.7%	18.3	0	-	0.0	0	0.0%	0.0	11	12.6%	50.4
Non Hispanic	20	83.3%	-	0	-	-	0	0.0%	-	70	80.5%	-
Unknown	0	0.0%	-	0	-	-	0	0.0%	-	6	6.9%	-
Age												
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	24	100.0%	6.1	0	0.0%	0.0	0	0.0%	0.0	87	100.0%	22.1
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 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.

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