

Sexually Transmitted Disease in Wisconsin 2019



Wisconsin sexually transmitted disease surveillance report, 2019

	Chlamydia*			Gonorrhea*			Syphilis*			Total*		
	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**
Total												
Total	29,772	100.0%	529	9,054	100.0%	161	585	100.0%	10	39,498	100.0%	702
Sex												
Male	9,805	32.9%	350	4,755	52.5%	170	477	81.5%	17	15,037	38.1%	537
Female	19,922	66.9%	704	4,280	47.3%	151	103	17.6%	4	24,392	61.8%	862
Unknown	45	0.2%	-	19	0.2%	-	0	0.0%	-	64	0.2%	-
Race												
White	13,470	45.2%	265	2,599	28.7%	51	303	51.8%	6	16,413	41.6%	323
African American	10,574	35.5%	2,911	5,140	56.8%	1,415	87	14.9%	24	15,840	40.1%	4,361
American Indian	455	1.5%	758	119	1.3%	198	2	0.3%	3	576	1.5%	960
Asian/Pacific Islander	506	1.7%	410	87	1.0%	71	3	0.5%	2	597	1.5%	484
Other	1,435	4.8%	-	272	3.0%	-	19	3.2%	-	1,730	4.4%	-
Unknown	3,332	11.2%	-	837	9.2%	-	8	1.4%	-	4,179	10.6%	-
Hispanic ethnicity												
Hispanic	2,723	9.1%	953	549	6.1%	192	25	4.3%	9	3,318	8.4%	1,161
Not Hispanic	20,065	67.4%	376	6,885	76.0%	129	152	26.0%	3	27,165	68.8%	509
Unknown	6,984	23.5%	-	1,620	17.9%	-	19	3.2%	-	8,626	21.8%	-
Age												
0-4	8	0.0%	2	2	0.0%	1	3	0.5%	1	13	0.0%	4
5-9	2	0.0%	1	3	0.0%	1	0	0.0%	0	5	0.0%	1
10-14	236	0.8%	65	84	0.9%	23	0	0.0%	0	320	0.8%	88
15-19	8,197	27.5%	2,061	1,761	19.4%	443	34	5.8%	9	10,010	25.3%	2,516
20-24	11,091	37.3%	2,823	2,451	27.1%	624	95	16.2%	24	13,665	34.6%	3,478
25-29	5,297	17.8%	1,394	1,873	20.7%	493	144	24.6%	38	7,328	18.6%	1,929
30-34	2,430	8.2%	716	1,098	12.1%	323	75	12.8%	22	3,613	9.1%	1,064
35-39	1,254	4.2%	343	676	7.5%	185	67	11.5%	18	2,004	5.1%	549
40-44	584	2.0%	145	389	4.3%	97	59	10.1%	15	1,039	2.6%	258
45-49	302	1.0%	67	258	2.8%	57	35	6.0%	8	598	1.5%	133
50+	369	1.2%	20	459	5.1%	25	73	12.5%	4	901	2.3%	49
Unknown	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
Region of residence												
Northeastern	4,520	15.2%	375	830	9.2%	69	83	14.2%	7	5,439	13.8%	451
Northern	1,345	4.5%	278	226	2.5%	47	12	2.1%	2	1,586	4.0%	328
Southeastern	15,800	53.1%	784	6,125	67.6%	304	358	61.2%	18	22,357	56.6%	1,110
Southern	5,548	18.6%	478	1,406	15.5%	121	89	15.2%	8	7,046	17.8%	607
Western	2,559	8.6%	335	467	5.2%	61	43	7.4%	6	3,070	7.8%	402
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, 2019

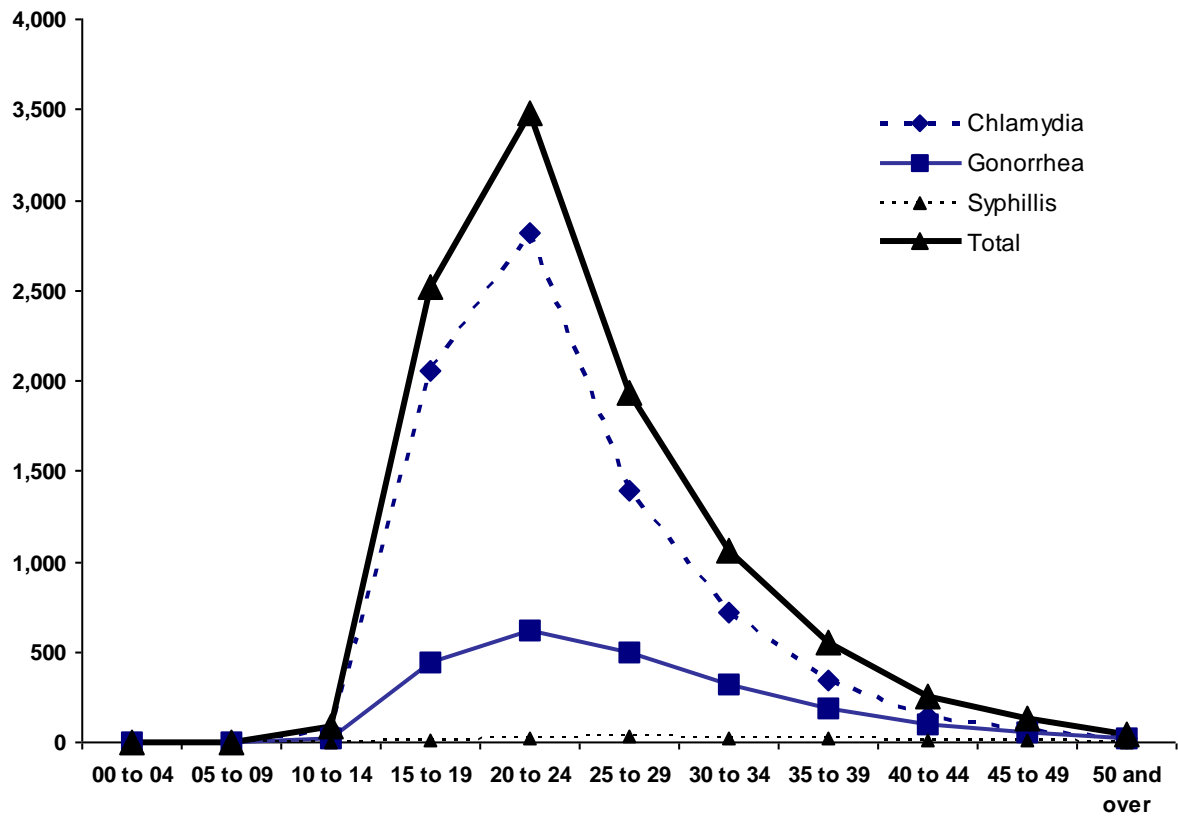
Reported cases by region and county

Region/County	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
Northeastern												
Brown	1,146	3.8%	468	245	2.7%	100	19	3.2%	8	1,410	3.6%	575
Calumet	114	0.4%	255	15	0.2%	34	3	0.5%	7	132	0.3%	295
Door	59	0.2%	212	8	0.1%	29	1	0.2%	4	69	0.2%	248
Fond du lac	407	1.4%	409	72	0.8%	72	5	0.9%	5	484	1.2%	487
Green Lake	53	0.2%	285	3	0.0%	16	1	0.2%	5	58	0.1%	312
Kewaunee	39	0.1%	191	2	0.0%	10	1	0.2%	5	42	0.1%	206
Manitowoc	278	0.9%	345	70	0.8%	87	2	0.3%	2	351	0.9%	435
Marinette	132	0.4%	312	15	0.2%	35	2	0.3%	5	149	0.4%	352
Marquette	36	0.1%	239	5	0.1%	33	0	0.0%	0	41	0.1%	272
Menominee	41	0.1%	897	9	0.1%	197	0	0.0%	0	50	0.1%	1,094
Oconto	95	0.3%	253	8	0.1%	21	3	0.5%	8	107	0.3%	285
Outagamie	629	2.1%	359	85	0.9%	49	19	3.2%	11	733	1.9%	419
Shawano	142	0.5%	347	15	0.2%	37	1	0.2%	2	158	0.4%	386
Sheboygan	439	1.5%	383	105	1.2%	92	6	1.0%	5	551	1.4%	481
Waupaca	127	0.4%	245	11	0.1%	21	1	0.2%	2	139	0.4%	268
Waushara	48	0.2%	194	7	0.1%	28	0	0.0%	0	55	0.1%	222
Winnebago	735	2.5%	453	155	1.7%	96	18	3.1%	11	909	2.3%	561
Region total	4,520	15.2%	375	830	9.2%	69	82	14.0%	7	5,438	13.8%	451
Northern												
Ashland	61	0.2%	374	8	0.1%	49	0	0.0%	0	69	0.2%	423
Bayfield	31	0.1%	208	4	0.0%	27	0	0.0%	0	35	0.1%	234
Florence	9	0.0%	193	0	0.0%	0	0	0.0%	0	9	0.0%	193
Forest	40	0.1%	406	10	0.1%	102	1	0.2%	10	51	0.1%	518
Iron	14	0.0%	226	2	0.0%	32	0	0.0%	0	16	0.0%	258
Langlade	46	0.2%	228	2	0.0%	10	0	0.0%	0	48	0.1%	238
Lincoln	64	0.2%	217	13	0.1%	44	1	0.2%	3	78	0.2%	264
Marathon	381	1.3%	291	122	1.3%	93	6	1.0%	5	509	1.3%	389
Oneida	88	0.3%	244	8	0.1%	22	1	0.2%	3	97	0.2%	269
Portage	250	0.8%	364	30	0.3%	44	0	0.0%	0	280	0.7%	407
Price	22	0.1%	154	1	0.0%	7	1	0.2%	7	24	0.1%	168
Sawyer	31	0.1%	181	4	0.0%	23	0	0.0%	0	35	0.1%	204
Taylor	31	0.1%	161	1	0.0%	5	0	0.0%	0	32	0.1%	166
Vilas	36	0.1%	164	5	0.1%	23	1	0.2%	5	42	0.1%	192
Wood	241	0.8%	327	16	0.2%	22	1	0.2%	1	261	0.7%	354
Region total	1,345	4.5%	278	226	2.5%	47	12	2.1%	2	1,586	4.0%	328
Southeastern												
Kenosha	978	3.3%	595	275	3.0%	167	17	2.9%	10	1,271	3.2%	773
Milwaukee	0	0.0%	0	0	0.0%	0	1	0.2%	0	1	0.0%	0
Milwaukee	12,217	41.0%	1,282	5,182	57.2%	544	295	50.4%	31	17,756	45.0%	1,863
Ozaukee	135	0.5%	157	25	0.3%	29	4	0.7%	5	164	0.4%	191
Racine	955	3.2%	479	424	4.7%	213	19	3.2%	10	1,398	3.5%	701
Walworth	351	1.2%	348	50	0.6%	50	12	2.1%	12	416	1.1%	413
Washington	269	0.9%	208	31	0.3%	24	1	0.2%	1	301	0.8%	232
Waukesha	895	3.0%	235	138	1.5%	36	10	1.7%	3	1,051	2.7%	276
Region total	15,800	53.1%	532	6,125	67.6%	206	359	61.4%	12	22,358	56.6%	753

Region/County	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
Southern												
Adams	58	0.2%	285	7	0.1%	34	2	0.3%	10	67	0.2%	330
Columbia	148	0.5%	268	32	0.4%	58	2	0.3%	4	182	0.5%	330
Crawford	21	0.1%	124	1	0.0%	6	0	0.0%	0	22	0.1%	130
Dane	3,162	10.6%	655	1,006	11.1%	208	62	10.6%	13	4,231	10.7%	877
Dodge	222	0.7%	253	17	0.2%	19	3	0.5%	3	243	0.6%	276
Grant	133	0.4%	270	15	0.2%	30	2	0.3%	4	150	0.4%	305
Green	111	0.4%	308	8	0.1%	22	0	0.0%	0	119	0.3%	330
Iowa	49	0.2%	208	5	0.1%	21	1	0.2%	4	55	0.1%	233
Jefferson	252	0.8%	312	37	0.4%	46	2	0.3%	2	292	0.7%	361
Juneau	76	0.3%	285	12	0.1%	45	0	0.0%	0	88	0.2%	330
Lafayette	41	0.1%	258	3	0.0%	19	2	0.3%	13	46	0.1%	290
Richland	31	0.1%	172	6	0.1%	33	0	0.0%	0	37	0.1%	206
Rock	944	3.2%	589	216	2.4%	135	11	1.9%	7	1,171	3.0%	731
Sauk	244	0.8%	413	33	0.4%	56	2	0.3%	3	279	0.7%	473
Vernon	56	0.2%	193	8	0.1%	28	0	0.0%	0	64	0.2%	220
Region total	5,548	18.6%	478	1,406	15.5%	121	89	15.2%	8	7,046	17.8%	607
Western												
Barron	108	0.4%	237	23	0.3%	50	5	0.9%	11	136	0.3%	298
Buffalo	21	0.1%	153	3	0.0%	22	1	0.2%	7	25	0.1%	182
Burnett	22	0.1%	136	0	0.0%	0	0	0.0%	0	22	0.1%	136
Chippewa	163	0.5%	270	44	0.5%	73	1	0.2%	2	208	0.5%	344
Clark	43	0.1%	128	3	0.0%	9	0	0.0%	0	46	0.1%	137
Douglas	137	0.5%	313	41	0.5%	94	0	0.0%	0	178	0.5%	407
Dunn	155	0.5%	363	26	0.3%	61	1	0.2%	2	182	0.5%	426
Eau Claire	498	1.7%	507	128	1.4%	130	4	0.7%	4	630	1.6%	641
Jackson	79	0.3%	397	17	0.2%	85	0	0.0%	0	96	0.2%	482
La Crosse	612	2.1%	543	87	1.0%	77	20	3.4%	18	720	1.8%	639
Monroe	155	0.5%	358	16	0.2%	37	3	0.5%	7	174	0.4%	401
Pepin	18	0.1%	245	5	0.1%	68	0	0.0%	0	23	0.1%	313
Pierce	130	0.4%	323	21	0.2%	52	5	0.9%	12	156	0.4%	388
Polk	106	0.4%	239	15	0.2%	34	0	0.0%	0	121	0.3%	273
Rusk	24	0.1%	167	2	0.0%	14	0	0.0%	0	26	0.1%	181
Saint Croix	165	0.6%	200	22	0.2%	27	2	0.3%	2	189	0.5%	229
Trempealeau	94	0.3%	338	11	0.1%	40	1	0.2%	4	106	0.3%	381
Washburn	29	0.1%	174	3	0.0%	18	0	0.0%	0	32	0.1%	191
Region total	2,559	8.6%	335	467	5.2%	61	43	7.4%	6	3,070	7.8%	402
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	29,772	100.0%	452	9,054	100.0%	138	585	100.0%	9	39,498	100.0%	600

* Cases per 100,000 population.

Wisconsin sexually transmitted disease surveillance report, 2019 Age-specific sexually transmitted disease rates*



* Cases per 100,000 population.

Wisconsin sexually transmitted disease surveillance report, 2019
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	265	316	2,911	3,388	758	887	410	496
Gonorrhea	51	57	1,415	1,583	198	215	71	87
Other	1	1	11	11	0	0	1	1
Syphilis	6	6	24	25	3	5	2	3
Total	323	381	4,361	5,007	960	1,106	484	586

* 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.

Wisconsin sexually transmitted disease surveillance report, 2019

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	77	100.0%	1.4	111	100.0%	2.0	201	100.0%	3.6	389	100.0%	6.9
Sex												
Male	75	97.4%	2.7	95	85.6%	3.4	166	82.6%	5.9	336	86.4%	12.0
Female	2	2.6%	0.1	16	14.4%	0.6	33	16.4%	1.2	51	13.1%	1.8
Race												
American Indian or Alaska	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
Asian	0	0.0%	-	0	0.0%	-	1	0.5%	-	1	0.3%	-
Black or African American	0	0.0%	-	0	0.0%	-	87	43.3%	-	87	22.4%	-
Native Hawaiian or Other	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
White	39	50.6%	0.8	48	43.2%	0.9	105	52.2%	2.1	192	49.4%	3.8
African American	30	39.0%	8.3	57	51.4%	15.7	0	0.0%	0.0	87	22.4%	24.0
American Indian	1	1.3%	1.7	1	0.9%	1.7	0	0.0%	0.0	2	0.5%	3.3
Asian/Pacific Islander	2	2.6%	1.6	1	0.9%	0.8	0	0.0%	0.0	3	0.8%	2.4
Other	4	5.2%	-	2	1.8%	-	6	3.0%	-	12	3.1%	-
Unknown	1	1.3%	-	2	1.8%	-	2	1.0%	-	5	1.3%	-
Hispanic ethnicity												
Hispanic or Latino	0	0.0%	-	0	0.0%	-	30	14.9%	-	30	7.7%	-
Not Hispanic or Latino	0	0.0%	-	0	0.0%	-	166	82.6%	-	166	42.7%	-
Hispanic	17	22.1%	5.9	8	7.2%	2.8	0	0.0%	0.0	25	6.4%	8.7
Non Hispanic	58	75.3%	-	94	84.7%	-	0	0.0%	-	152	39.1%	-
Unknown	2	2.6%	-	9	8.1%	-	5	2.5%	-	16	4.1%	-
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	2	2.6%	0.5	10	9.0%	2.5	13	6.5%	3.3	25	6.4%	6.3
20-24	13	16.9%	3.3	20	18.0%	5.1	44	21.9%	11.2	77	19.8%	19.6
25-29	16	20.8%	4.2	23	20.7%	6.1	49	24.4%	12.9	88	22.6%	23.2
30-34	12	15.6%	3.5	14	12.6%	4.1	25	12.4%	7.4	51	13.1%	15.0
35-39	6	7.8%	1.6	15	13.5%	4.1	20	10.0%	5.5	41	10.5%	11.2
40-44	10	13.0%	2.5	10	9.0%	2.5	23	11.4%	5.7	43	11.1%	10.7
45-49	10	13.0%	2.2	4	3.6%	0.9	6	3.0%	1.3	20	5.1%	4.4
50+	8	10.4%	0.4	15	13.5%	0.8	21	10.4%	1.2	44	11.3%	2.4
Unknown	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-

Wisconsin sexually transmitted disease surveillance report, 2019

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	194	100.0%	3.4	0	-	0.0	2	100.0%	0.0	585	100.0%	10.4
Sex												
Male	141	72.7%	5.0	0	-	0.0	0	0.0%	0.0	477	81.5%	17.1
Female	50	25.8%	1.8	0	-	0.0	2	100.0%	0.1	103	17.6%	3.6
Race												
American Indian or Alaska	2	1.0%	-	0	-	-	0	0.0%	-	2	0.3%	-
Asian	3	1.5%	-	0	-	-	0	0.0%	-	4	0.7%	-
Black or African American	68	35.1%	-	0	-	-	1	50.0%	-	156	26.7%	-
Native Hawaiian or Other	1	0.5%	-	0	-	-	0	0.0%	-	1	0.2%	-
White	111	57.2%	2.2	0	-	0.0	0	0.0%	0.0	303	51.8%	6.0
African American	0	0.0%	0.0	0	-	0.0	0	0.0%	0.0	87	14.9%	24.0
American Indian	0	0.0%	0.0	0	-	0.0	0	0.0%	0.0	2	0.3%	3.3
Asian/Pacific Islander	0	0.0%	0.0	0	-	0.0	0	0.0%	0.0	3	0.5%	2.4
Other	7	3.6%	-	0	-	-	0	0.0%	-	19	3.2%	-
Unknown	2	1.0%	-	0	-	-	1	50.0%	-	8	1.4%	-
Hispanic ethnicity												
Hispanic or Latino	25	12.9%	-	0	-	-	0	0.0%	-	55	9.4%	-
Not Hispanic or Latino	166	85.6%	-	0	-	-	2	100.0%	-	334	57.1%	-
Hispanic	0	0.0%	0.0	0	-	0.0	0	0.0%	0.0	25	4.3%	8.7
Non Hispanic	0	0.0%	-	0	-	-	0	0.0%	-	152	26.0%	-
Unknown	3	1.5%	-	0	-	-	0	0.0%	-	19	3.2%	-
Age												
0-4	1	0.5%	0.3	0	0.0%	0.0	2	100.0%	0.6	3	0.5%	0.8
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	9	4.6%	2.3	0	0.0%	0.0	0	0.0%	0.0	34	5.8%	8.5
20-24	18	9.3%	4.6	0	0.0%	0.0	0	0.0%	0.0	95	16.2%	24.2
25-29	56	28.9%	14.7	0	0.0%	0.0	0	0.0%	0.0	144	24.6%	37.9
30-34	24	12.4%	7.1	0	0.0%	0.0	0	0.0%	0.0	75	12.8%	22.1
35-39	26	13.4%	7.1	0	0.0%	0.0	0	0.0%	0.0	67	11.5%	18.3
40-44	16	8.2%	4.0	0	0.0%	0.0	0	0.0%	0.0	59	10.1%	14.6
45-49	15	7.7%	3.3	0	0.0%	0.0	0	0.0%	0.0	35	6.0%	7.8
50+	29	14.9%	1.6	0	0.0%	0.0	0	0.0%	0.0	73	12.5%	4.0
Unknown	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-

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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