

Sexually Transmitted Disease in Wisconsin 2019



Wisconsin sexually transmitted disease surveillance report, 2019

Persons 15-19 years of age

	Chlamydia*			Gonorrhea*			Syphilis*			Total*		
	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**
Total												
Total	8,197	100.0%	2,061	1,761	100.0%	443	34	100.0%	9	10,010	100.0%	2,516
Sex												
Male	1,972	24.1%	963	628	35.7%	307	23	67.6%	11	2,623	26.2%	1,282
Female	6,211	75.8%	3,216	1,129	64.1%	585	11	32.4%	6	7,369	73.6%	3,816
Unknown	14	0.2%	-	4	0.2%	-	0	0.0%	-	18	0.2%	-
Race												
White	3,435	41.9%	997	381	21.6%	111	9	26.5%	3	3,835	38.3%	1,113
African American	3,217	39.2%	8,760	1,162	66.0%	3,164	9	26.5%	25	4,395	43.9%	11,968
American Indian	145	1.8%	2,647	16	0.9%	292	0	0.0%	0	161	1.6%	2,940
Asian/Pacific Islander	95	1.2%	855	16	0.9%	144	0	0.0%	0	112	1.1%	1,008
Other	432	5.3%	-	54	3.1%	-	3	8.8%	-	489	4.9%	-
Unknown	873	10.7%	-	132	7.5%	-	0	0.0%	-	1,005	10.0%	-
Hispanic ethnicity												
Hispanic	734	9.0%	3,155	95	5.4%	408	0	0.0%	0	833	8.3%	3,580
Not Hispanic	5,583	68.1%	1,491	1,372	77.9%	366	10	29.4%	3	6,978	69.7%	1,863
Unknown	1,880	22.9%	-	294	16.7%	-	3	8.8%	-	2,178	21.8%	-
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	8,197	100.0%	2,061	1,761	100.0%	443	34	100.0%	9	10,010	100.0%	2,516
20-24	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
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%	-
Region of residence												
Northeastern	1,245	15.2%	1,507	137	7.8%	166	5	14.7%	6	1,389	13.9%	1,681
Northern	391	4.8%	1,170	36	2.0%	108	0	0.0%	0	428	4.3%	1,280
Southeastern	4,399	53.7%	3,035	1,317	74.8%	909	20	58.8%	14	5,751	57.5%	3,968
Southern	1,495	18.2%	1,846	200	11.4%	247	1	2.9%	1	1,696	16.9%	2,094
Western	667	8.1%	1,194	71	4.0%	127	8	23.5%	14	746	7.5%	1,336
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

Persons 15-19 years of age

Region/County	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
Northeastern												
Brown	324	4.0%	1,857	36	2.0%	206	1	2.9%	6	361	3.6%	2,070
Calumet	26	0.3%	862	6	0.3%	199	0	0.0%	0	32	0.3%	1,061
Door	12	0.1%	733	0	0.0%	0	0	0.0%	0	13	0.1%	794
Fond du lac	98	1.2%	1,373	16	0.9%	224	0	0.0%	0	114	1.1%	1,598
Green Lake	21	0.3%	1,946	1	0.1%	93	0	0.0%	0	22	0.2%	2,039
Kewaunee	10	0.1%	789	1	0.1%	79	0	0.0%	0	11	0.1%	868
Manitowoc	73	0.9%	1,367	17	1.0%	318	0	0.0%	0	90	0.9%	1,686
Marinette	37	0.5%	1,313	1	0.1%	35	0	0.0%	0	38	0.4%	1,348
Marquette	7	0.1%	824	2	0.1%	236	0	0.0%	0	9	0.1%	1,060
Menominee	23	0.3%	5,000	4	0.2%	870	0	0.0%	0	27	0.3%	5,870
Oconto	35	0.4%	1,439	0	0.0%	0	1	2.9%	41	36	0.4%	1,480
Outagamie	151	1.8%	1,211	4	0.2%	32	2	5.9%	16	157	1.6%	1,260
Shawano	49	0.6%	1,827	2	0.1%	75	0	0.0%	0	51	0.5%	1,902
Sheboygan	135	1.6%	1,774	21	1.2%	276	0	0.0%	0	157	1.6%	2,063
Waupaca	34	0.4%	1,018	1	0.1%	30	0	0.0%	0	35	0.3%	1,048
Waushara	16	0.2%	955	2	0.1%	119	0	0.0%	0	18	0.2%	1,075
Winnebago	194	2.4%	1,707	23	1.3%	202	1	2.9%	9	218	2.2%	1,918
Region total	1,245	15.2%	1,507	137	7.8%	166	5	14.7%	6	1,389	13.9%	1,681
Northern												
Ashland	11	0.1%	847	3	0.2%	231	0	0.0%	0	14	0.1%	1,079
Bayfield	5	0.1%	500	0	0.0%	0	0	0.0%	0	5	0.0%	500
Florence	1	0.0%	341	0	0.0%	0	0	0.0%	0	1	0.0%	341
Forest	15	0.2%	2,024	2	0.1%	270	0	0.0%	0	17	0.2%	2,294
Iron	8	0.1%	2,332	1	0.1%	292	0	0.0%	0	9	0.1%	2,624
Langlade	14	0.2%	1,104	0	0.0%	0	0	0.0%	0	14	0.1%	1,104
Lincoln	28	0.3%	1,344	3	0.2%	144	0	0.0%	0	31	0.3%	1,488
Marathon	100	1.2%	1,091	14	0.8%	153	0	0.0%	0	114	1.1%	1,243
Oneida	34	0.4%	1,590	0	0.0%	0	0	0.0%	0	34	0.3%	1,590
Portage	76	0.9%	1,286	9	0.5%	152	0	0.0%	0	85	0.8%	1,438
Price	8	0.1%	897	0	0.0%	0	0	0.0%	0	8	0.1%	897
Sawyer	13	0.2%	1,255	1	0.1%	97	0	0.0%	0	14	0.1%	1,351
Taylor	7	0.1%	570	0	0.0%	0	0	0.0%	0	7	0.1%	570
Vilas	14	0.2%	1,122	1	0.1%	80	0	0.0%	0	15	0.1%	1,202
Wood	57	0.7%	1,194	2	0.1%	42	0	0.0%	0	60	0.6%	1,257
Region total	391	4.8%	1,170	36	2.0%	108	0	0.0%	0	428	4.3%	1,280
Southeastern												
Kenosha	286	3.5%	2,214	58	3.3%	449	0	0.0%	0	345	3.4%	2,671
Milwaukee	3,420	41.7%	4,881	1,124	63.8%	1,604	18	52.9%	26	4,575	45.7%	6,529
Ozaukee	26	0.3%	415	3	0.2%	48	0	0.0%	0	29	0.3%	463
Racine	303	3.7%	2,163	101	5.7%	721	1	2.9%	7	405	4.0%	2,891
Walworth	71	0.9%	998	4	0.2%	56	1	2.9%	14	76	0.8%	1,068
Washington	72	0.9%	852	5	0.3%	59	0	0.0%	0	77	0.8%	912
Waukesha	221	2.7%	846	22	1.2%	84	0	0.0%	0	244	2.4%	935
Region total	4,399	53.7%	3,035	1,317	74.8%	909	20	58.8%	14	5,751	57.5%	3,968

Region/County	Chlamydia			Gonorrhea			Syphilis			Total		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
Southern												
Adams	26	0.3%	2,510	1	0.1%	97	0	0.0%	0	27	0.3%	2,606
Columbia	44	0.5%	1,285	10	0.6%	292	0	0.0%	0	54	0.5%	1,577
Crawford	5	0.1%	368	0	0.0%	0	0	0.0%	0	5	0.0%	368
Dane	747	9.1%	2,167	110	6.2%	319	1	2.9%	3	858	8.6%	2,489
Dodge	82	1.0%	1,484	0	0.0%	0	0	0.0%	0	82	0.8%	1,484
Grant	37	0.5%	844	2	0.1%	46	0	0.0%	0	39	0.4%	890
Green	49	0.6%	2,120	1	0.1%	43	0	0.0%	0	50	0.5%	2,164
Iowa	15	0.2%	951	2	0.1%	127	0	0.0%	0	17	0.2%	1,077
Jefferson	54	0.7%	880	7	0.4%	114	0	0.0%	0	61	0.6%	995
Juneau	27	0.3%	1,594	0	0.0%	0	0	0.0%	0	27	0.3%	1,594
Lafayette	11	0.1%	962	0	0.0%	0	0	0.0%	0	11	0.1%	962
Richland	12	0.1%	972	2	0.1%	162	0	0.0%	0	14	0.1%	1,135
Rock	306	3.7%	2,765	63	3.6%	569	0	0.0%	0	369	3.7%	3,335
Sauk	64	0.8%	1,741	2	0.1%	54	0	0.0%	0	66	0.7%	1,796
Vernon	16	0.2%	820	0	0.0%	0	0	0.0%	0	16	0.2%	820
Region total	1,495	18.2%	1,846	200	11.4%	247	1	2.9%	1	1,696	16.9%	2,094
Western												
Barron	33	0.4%	1,145	5	0.3%	174	1	2.9%	35	39	0.4%	1,354
Buffalo	7	0.1%	813	1	0.1%	116	0	0.0%	0	8	0.1%	929
Burnett	8	0.1%	855	0	0.0%	0	0	0.0%	0	8	0.1%	855
Chippewa	38	0.5%	953	12	0.7%	301	1	2.9%	25	51	0.5%	1,279
Clark	11	0.1%	468	2	0.1%	85	0	0.0%	0	13	0.1%	553
Douglas	37	0.5%	1,288	7	0.4%	244	0	0.0%	0	44	0.4%	1,532
Dunn	37	0.5%	937	1	0.1%	25	0	0.0%	0	38	0.4%	963
Eau Claire	106	1.3%	1,278	19	1.1%	229	0	0.0%	0	125	1.2%	1,507
Jackson	23	0.3%	1,827	3	0.2%	238	0	0.0%	0	26	0.3%	2,065
La Crosse	183	2.2%	1,978	11	0.6%	119	4	11.8%	43	198	2.0%	2,140
Monroe	50	0.6%	1,686	1	0.1%	34	0	0.0%	0	51	0.5%	1,719
Pepin	2	0.0%	409	0	0.0%	0	0	0.0%	0	2	0.0%	409
Pierce	26	0.3%	692	4	0.2%	106	2	5.9%	53	32	0.3%	852
Polk	33	0.4%	1,147	2	0.1%	70	0	0.0%	0	35	0.3%	1,217
Rusk	6	0.1%	636	0	0.0%	0	0	0.0%	0	6	0.1%	636
Saint Croix	35	0.4%	641	1	0.1%	18	0	0.0%	0	36	0.4%	659
Trempealeau	20	0.2%	1,134	2	0.1%	113	0	0.0%	0	22	0.2%	1,248
Washburn	12	0.1%	1,257	0	0.0%	0	0	0.0%	0	12	0.1%	1,257
Region total	667	8.1%	1,194	71	4.0%	127	8	23.5%	14	746	7.5%	1,336
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	8,197	100.0%	2,061	1,761	100.0%	443	34	100.0%	9	10,010	100.0%	2,516

* Cases per 100,000 population.

Wisconsin sexually transmitted disease surveillance report, 2019
Unadjusted* and imputed cases per 100,000 population by race**
Persons 15-19 years of age

	White		African American		American Indian		Asian/Pacific Islander	
	Unadjusted*	Imputed**	Unadjusted*	Imputed**	Unadjusted*	Imputed**	Unadjusted*	Imputed**
Chlamydia	997	1,195	8,760	10,226	2,647	3,160	855	1,046
Gonorrhea	111	127	3,164	3,456	292	334	144	157
Other	3	3	19	19	0	0	9	9
SYPHILIS	3	3	25	25	0	0	0	0
Total	1,113	1,327	11,968	13,725	2,940	3,493	1,008	1,211

* 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.

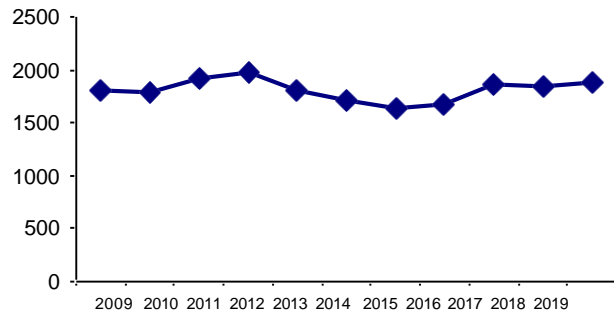
Wisconsin sexually transmitted disease surveillance report, 2019

Reported cases by year of diagnosis, past ten years

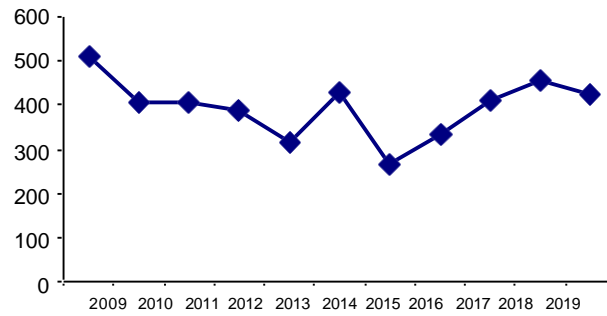
Persons 15-19 years of age

Year	Chlamydia		Gonorrhea		Syphilis		Total	
	Cases	Rate*	Cases	Rate*	Cases	Rate*	Cases	Rate*
2009	7,102	1,785	1,624	408	14	4	8,740	2,197
2010	7,649	1,923	1,612	405	14	4	9,275	2,331
2011	7,869	1,978	1,542	388	15	4	9,426	2,369
2012	7,195	1,809	1,265	318	14	4	8,474	2,130
2013	6,773	1,703	1,703	428	20	5	7,943	1,997
2014	6,497	1,633	1,054	265	13	3	7,564	1,901
2015	6,654	1,672	1,332	335	8	3	7,884	2,009
2016	7,369	1,852	1,632	410	14	4	9,019	2,267
2017	7,303	1,935	1,806	454	23	6	9,132	2,295
2018	7,482	1,881	1,679	422	39	10	9,229	2,320
2019	8,197	2061	1,761	443	34	9	10,010	2,516

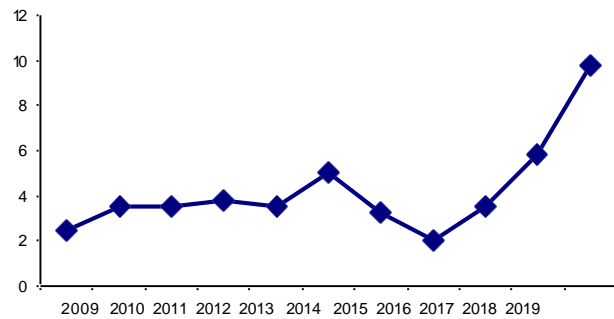
Chlamydia rate*



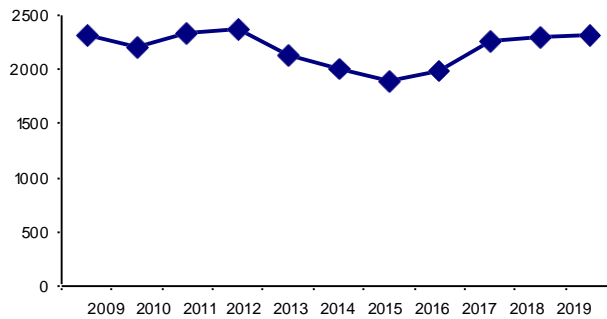
Gonorrhea rate*



Syphilis rate*



Total rate*



* Cases per 100,000 population.

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Syphilis cases by disease stage

Persons 15-19 years of age

	Primary			Secondary			Early latent			Early total**		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
Total												
Total	2	100.0%	0.5	10	100.0%	2.5	13	100.0%	3.3	25	100.0%	6.3
Sex												
Male	2	100.0%	1.0	8	80.0%	3.9	8	61.5%	3.9	18	72.0%	8.8
Female	0	0.0%	0.0	2	20.0%	1.0	5	38.5%	2.6	7	28.0%	3.6
Race												
Black or African American	0	0.0%	-	0	0.0%	-	7	53.8%	-	7	28.0%	-
American Indian or Alaska	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
White	1	50.0%	0.3	2	20.0%	0.6	5	38.5%	1.5	8	32.0%	2.3
African American	1	50.0%	2.7	8	80.0%	21.8	0	0.0%	0.0	9	36.0%	24.5
Other	0	0.0%	-	0	0.0%	-	1	7.7%	-	1	4.0%	-
Hispanic ethnicity												
Hispanic or Latino	0	0.0%	-	0	0.0%	-	1	7.7%	-	1	4.0%	-
Not Hispanic or Latino	0	0.0%	-	0	0.0%	-	11	84.6%	-	11	44.0%	-
Non Hispanic	2	100.0%	-	8	80.0%	-	0	0.0%	-	10	40.0%	-
Unknown	0	0.0%	-	2	20.0%	-	1	7.7%	-	3	12.0%	-
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	2	100.0%	0.5	10	100.0%	2.5	13	100.0%	3.3	25	100.0%	6.3
20-24	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
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 15-19 years of age

	Late latent			Unknown latency			Congenital			All stages		
	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*	Cases	Percent	Rate*
Total												
Total	9	100.0%	2.3	0	-	0.0	0	0.0%	0.0	34	100.0%	8.5
Sex												
Male	5	55.6%	2.4	0	-	0.0	0	0.0%	0.0	23	67.6%	11.2
Female	4	44.4%	2.1	0	-	0.0	0	0.0%	0.0	11	32.4%	5.7
Race												
Black or African American	5	55.6%	-	0	-	-	0	0.0%	-	12	35.3%	-
American Indian or Alaska	1	11.1%	-	0	-	-	0	0.0%	-	1	2.9%	-
White	1	11.1%	0.3	0	-	0.0	0	0.0%	0.0	9	26.5%	2.6
African American	0	0.0%	0.0	0	-	0.0	0	0.0%	0.0	9	26.5%	24.5
Other	2	22.2%	-	0	-	-	0	0.0%	-	3	8.8%	-
Hispanic ethnicity												
Hispanic or Latino	2	22.2%	-	0	-	-	0	0.0%	-	3	8.8%	-
Not Hispanic or Latino	7	77.8%	-	0	-	-	0	0.0%	-	18	52.9%	-
Non Hispanic	0	0.0%	-	0	-	-	0	0.0%	-	10	29.4%	-
Unknown	0	0.0%	-	0	-	-	0	0.0%	-	3	8.8%	-
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	9	100.0%	2.3	0	0.0%	0.0	0	0.0%	0.0	34	100.0%	8.5
20-24	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	-
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

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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