

STI Diagnoses and Re-infections in Michigan, 2024

All data as of July 15, 2025

Epidemiology, Quality and Data Section
Bureau of HIV & STI Programs
Michigan Department of Health and Human Services



[HIV & STIs in Michigan](#)

[STI/HIV Operations and
Resource System \(SHOARS\)](#)

Overview

Michigan's Bureau of HIV and STI Programs collects, interprets, and disseminates population level data regarding persons with sexually transmitted infections (STIs). Data are collected in the Michigan Disease Surveillance System (MDSS) where reports from laboratories, private providers, and local public health give information about diagnosis, demographics, and patient behaviors. The most commonly reported STIs are chlamydia, gonorrhea, and syphilis. For the purposes of this report, counts of symptomatic syphilis (primary and secondary syphilis) are separated from early and latent stage diagnoses.

Key Definitions

The Basics

New Diagnoses: The number of cases newly diagnosed over a given period of time, usually a year. The date assigned to an STI report is the symptom onset date, or if that is missing, then the diagnosis date is used. If both dates are missing, the referral date, or the date the report was referred to MDHHS, is used.

Diagnosis Rate: For every 100,000 people in a population, the number who were newly diagnosed. This is used to compare groups and understand disease burden.

Re-infection %: For the purposes of this report, re-infection is measured as being diagnosed with the same infection at least 30 days but no more than 12 months after a prior diagnosis. Re-infections may be transmitted by partners who were not treated when the original patient was first diagnosed. *Re-infection is shown as a percentage of all cases who meet re-infection definition.*

The following measures are displayed in this report:

Count: The number of persons newly diagnosed during the given year.

Population: The total population (census) during the given year.

Rate: The new diagnosis rate per 100,000 persons in the specified population during the given year (count/population x 100,000 or count/estimated population x 100,000).

Exposure Factor Categories and Hierarchy

MSM: Men who have sex with men.

PWID: Persons who inject drugs.

Heterosexual: Males: men who are not MSM or a PWID and reported sex with a female.

Females: females who are not a PWID and reported sex with a male

STI Diagnoses by Characteristics, 2024

Includes confirmed and probable cases

Race/Ethnicity	Chlamydia			Gonorrhea			P&S Syphilis ¹		Latent Syphilis		2024
	Count (N)	Rate	Re-infected %	Count (N)	Rate	Re-infected %	Count (N)	Rate	Count (N)	Rate	Population ²
Am Indian/AN	192	334.5	6%	50	87.1	10%	5	8.7	12	20.9	57,403
Asian/NH/PI	336	82.8	6%	97	23.9	9%	7	1.7	15	3.7	405,849
Black	18,505	1,334.2	11%	8,379	604.1	9%	341	24.6	1,106	79.7	1,387,002
Hispanic	2,461	394.5	9%	666	106.8	9%	40	6.4	245	39.3	623,879
White	10,475	141.4	6%	2,994	40.4	7%	266	3.6	692	9.3	7,405,951
Multi/Other	2,324	892.6	8%	557	213.9	6%	20	7.7	56	21.5	260,375
Unknown	4,499	-	-	882	-	-	12	-	57	-	-
Race/Ethnicity by Sex at Birth³											
Male	13,797	274.7	6%	7,796	155.2	9%	531	10.6	1,452	28.9	5,023,293
Black	7,085	1,074.3	8%	4,851	735.6	10%	284	43.1	776	117.7	659,495
Hispanic	742	233.3	6%	384	120.8	9%	34	10.7	152	47.8	317,989
White	3,074	83.4	3%	1,522	41.3	8%	178	4.8	430	11.7	3,687,338
Other	1,114	310.8	5%	464	129.4	8%	27	7.5	58	16.2	358,471
Unknown	1,782	-	2%	575	-	4%	8	-	36	-	-
Female	24,995	488.5	10%	5,829	113.9	7%	160	3.1	731	14.3	5,117,166
Black	11,420	1,569.7	13%	3,528	484.9	8%	57	7.8	330	45.4	727,507
Hispanic	1,719	562.0	10%	282	92.2	9%	6	2.0	93	30.4	305,890
White	7,401	199.0	8%	1,472	39.6	6%	88	2.4	262	7.0	3,718,613
Other	1,738	476.0	9%	240	65.7	5%	5	1.4	25	6.8	365,156
Unknown	2,717	-	5%	307	-	2%	4	-	21	-	-
Unknown Sex	-	-	-	-	-	-	-	-	-	-	-
Exposure Factors⁴											
MSM	1,040	-	8%	1,479	-	11%	245	84.1	327	112.2	291,351*
MSM/PWID	4	-	25%	7	-	14%	5	-	-	-	-
PWID	35	-	6%	14	-	7%	12	-	19	-	-
Heterosexual	14,081	-	8%	5,551	-	7%	282	-	622	-	-
Males	3,767	-	4%	2,310	-	7%	159	-	191	-	-
Females	10,314	-	10%	3,241	-	7%	123	-	431	-	-
Unknown	23,632	-	9%	6,574	-	8%	147	-	1,215	-	-
Age at Diagnosis											
Less than 15 years	393	22.9	11%	116	6.7	7%	1	0.1	2	0.1	1,718,679
15-19 years	10,768	1,660.0	12%	2,578	397.4	9%	28	4.3	59	9.1	648,667
20-24 years	12,807	1,884.9	9%	3,422	503.6	8%	82	12.1	248	36.5	679,458
25-29 years	6,545	1,011.5	7%	2,453	379.1	8%	117	18.1	420	64.9	647,063
30-39 years	5,981	449.1	5%	3,203	240.5	8%	266	20.0	866	65.0	1,331,786
40-49 years	1,512	126.5	3%	1,131	94.6	7%	112	9.4	330	27.6	1,194,971
50-59 years	586	46.9	4%	482	38.6	7%	53	4.2	177	14.2	1,249,077
60+ years	200	7.5	6%	240	9.0	7%	32	1.2	81	3.0	2,670,758
Total	38,792	382.5	9%	13,625	134.4	8%	691	6.8	2,183	21.5	10,140,459

1 - P&S: Primary and Secondary Syphilis

2 - Rate per 100,000 based on annual Census Bureau estimates from the American Community Survey (ACS)

3 - Am Indian/AN, Asian/NH/PI, Multi/Other included in 'Other' category

4 - MSM Census estimate is 5.8% of the male population in Michigan (Lieb S, et al 2011. Statewide Estimation of Racial/Ethnic Populations of Men Who Have Sex with Men in the U.S.)

STI Diagnoses by Local Health Jurisdiction, 2024

Includes confirmed and probable cases

	Chlamydia			Gonorrhea			P&S Syphilis ¹		Latent Syphilis		2024
	Count (N)	Rate	Re-infected %	Count (N)	Rate	Re-infected %	Count (N)	Rate	Count (N)	Rate	Population ²
Allegan County	229	187.0	6%	45	36.8	0%	3	2.5	7	5.7	122,429
Barry-Eaton	368	212.1	7%	115	66.3	8%	4	2.3	19	10.9	173,519
Bay County	234	228.0	6%	46	44.8	4%	3	2.9	7	6.8	102,651
Benzie-Leelanau	33	79.7	6%	5	12.1	0%	-	0.0	-	0.0	41,391
Berrien County	709	464.3	7%	167	109.4	7%	8	5.2	24	15.7	152,703
Branch-Hillsdale-St. Joseph	351	229.5	8%	84	54.9	4%	14	9.2	28	18.3	152,948
Calhoun County	794	593.5	9%	284	212.3	7%	10	7.5	36	26.9	133,785
Central Michigan District	345	186.5	9%	76	41.1	7%	6	3.2	6	3.2	184,975
Chippewa County	77	212.4	6%	3	8.3	0%	-	0.0	2	5.5	36,253
Delta-Menominee	76	127.2	1%	7	11.7	0%	-	0.0	3	5.0	59,737
Dickinson-Iron	36	95.5	3%	2	5.3	0%	1	2.7	2	5.3	37,704
District 2	61	93.0	2%	6	9.2	0%	-	0.0	2	3.1	65,566
District 4	72	92.4	0%	12	15.4	8%	2	2.6	2	2.6	77,925
District 10	516	191.1	5%	57	21.1	11%	4	1.5	19	7.0	269,998
Genesee County	2,270	564.3	10%	925	229.9	9%	27	6.7	89	22.1	402,279
Grand Traverse County	137	141.8	2%	21	21.7	0%	1	1.0	7	7.2	96,625
Huron County	38	123.5	3%	7	22.7	0%	-	0.0	-	0.0	30,780
Ingham County	1,367	470.7	8%	523	180.1	7%	19	6.5	60	20.7	290,427
Ionia County	127	191.7	2%	31	46.8	6%	2	3.0	13	19.6	66,250
Jackson County	729	455.0	5%	172	107.3	2%	20	12.5	167	104.2	160,233
Kalamazoo County	1,734	654.9	11%	598	225.8	10%	73	27.6	106	40.0	264,780
Kent County	3,142	466.9	9%	1,096	162.9	10%	65	9.7	181	26.9	673,002
Lapeer County	145	162.6	8%	23	25.8	4%	3	3.4	6	6.7	89,168
Lenawee County	139	142.2	4%	48	49.1	8%	2	2.0	3	3.1	97,746
Livingston County	235	119.3	4%	52	26.4	6%	6	3.0	8	4.1	196,976
Luce-Mack-Alger-School	34	99.0	3%	2	5.8	0%	1	2.9	1	2.9	34,345
Macomb County	2,855	322.2	9%	966	109.0	6%	32	3.6	147	16.6	886,175
Marquette County	107	157.4	2%	17	25.0	0%	3	4.4	3	4.4	67,979
Midland County	135	160.7	7%	21	25.0	0%	3	3.6	4	4.8	84,022
Mid-Michigan District	345	180.9	6%	65	34.1	5%	2	1.0	23	12.1	190,736
Monroe County	248	158.9	5%	56	35.9	4%	5	3.2	11	7.0	156,045
Muskegon County	1,151	648.7	11%	445	250.8	10%	24	13.5	41	23.1	177,428
Northwest MI Com Hlth Agency	137	123.8	3%	10	9.0	0%	1	0.9	9	8.1	110,673
Oakland County	3,209	247.4	7%	1,185	91.4	7%	49	3.8	187	14.4	1,296,888
Ottawa County	711	232.2	5%	132	43.1	2%	12	3.9	30	9.8	306,235
Saginaw County	1,094	582.8	12%	454	241.9	8%	6	3.2	32	17.0	187,714
Sanilac County	29	72.0	3%	11	27.3	0%	-	0.0	3	7.4	40,293
Shiawassee County	87	128.0	7%	25	36.8	4%	3	4.4	7	10.3	67,982
St Clair County	303	189.0	7%	50	31.2	4%	9	5.6	15	9.4	160,308
Tuscola County	56	106.1	0%	8	15.2	0%	-	0.0	2	3.8	52,757
Van Buren-Cass	405	317.2	7%	87	68.1	10%	6	4.7	14	11.0	127,679
Washtenaw County	1,155	308.9	6%	421	112.6	8%	24	6.4	76	20.3	373,875
Wayne LHD ³	3,478	329.8	8%	1,182	112.1	8%	54	5.1	183	17.4	1,054,698
Detroit LHD ⁴	9,241	1290.0	11%	4,076	569.0	9%	182	25.4	597	83.3	716,365
Western UP District	48	70.2	0%	7	10.2	0%	2	2.9	1	1.5	68,412
Total	38,792	382.5	9%	13,625	134.4	8%	691	6.8	2,183	21.5	10,140,459

1 - P&S: Primary and Secondary Syphilis

2 - Rate per 100,000 based on annual Census Bureau estimates from the American Community Survey (ACS)

3 - Excludes the City of Detroit

4 - Detroit LHD refers to Detroit City and Hamtramck, Highland Park, the Grosse Points, and Harper Woods. Detroit LHD population estimate is from 2023, the most recently available complete data from the Census Bureau

STI Diagnoses by County, 2024

Includes confirmed and probable cases

	Chlamydia			Gonorrhea			P&S Syphilis ¹		Latent Syphilis		2024
	Count (N)	Rate	Re-infected %	Count (N)	Rate	Re-infected %	Count (N)	Rate	Count (N)	Rate	Population ²
Alcona County	4	37.7	0%	1	9.4	0%	-	0.0	-	0.0	10,624
Alger County	2	23.0	0%	1	11.5	0%	-	0.0	-	0.0	8,695
Allegan County	229	187.0	6%	45	36.8	0%	3	2.5	7	5.7	122,429
Alpena County	27	93.4	0%	10	34.6	10%	1	3.5	-	0.0	28,903
Antrim County	35	142.6	0%	-	0.0	-	-	0.0	1	4.1	24,536
Arenac County	23	152.4	9%	4	26.5	0%	1	6.6	-	0.0	15,087
Baraga County	5	61.2	0%	-	0.0	-	-	0.0	-	0.0	8,169
Barry County	113	176.5	9%	24	37.5	0%	1	1.6	6	9.4	64,025
Bay County	234	228.0	6%	46	44.8	4%	3	2.9	7	6.8	102,651
Benzie County	15	81.0	7%	1	5.4	0%	-	0.0	-	0.0	18,520
Berrien County	709	464.3	7%	167	109.4	7%	8	5.2	24	15.7	152,703
Branch County	77	166.7	5%	12	26.0	8%	4	8.7	5	10.8	46,187
Calhoun County	794	593.5	9%	284	212.3	7%	10	7.5	36	26.9	133,785
Cass County	162	314.3	6%	33	64.0	12%	3	5.8	5	9.7	51,550
Charlevoix County	30	114.9	13%	-	0.0	-	1	3.8	4	15.3	26,105
Cheboygan County	32	123.2	0%	2	7.7	0%	-	0.0	-	0.0	25,964
Chippewa County	77	212.4	6%	3	8.3	0%	-	0.0	2	5.5	36,253
Clare County	38	121.0	11%	19	60.5	16%	2	6.4	1	3.2	31,405
Clinton County	145	181.1	5%	25	31.2	0%	2	2.5	12	15.0	80,050
Crawford County	19	139.7	5%	1	7.4	0%	-	0.0	1	7.4	13,599
Delta County	48	130.8	0%	6	16.4	0%	-	0.0	1	2.7	36,687
Dickinson County	25	96.2	0%	2	7.7	0%	-	0.0	2	7.7	25,995
Eaton County	255	232.9	7%	91	83.1	10%	3	2.7	13	11.9	109,494
Emmet County	39	114.9	0%	7	20.6	0%	-	0.0	2	5.9	33,949
Genesee County	2,270	564.3	10%	925	229.9	9%	27	6.7	89	22.1	402,279
Gladwin County	19	73.1	11%	13	50.0	8%	3	11.5	1	3.8	25,995
Gogebic County	14	98.5	0%	4	28.1	0%	-	0.0	1	7.0	14,217
Grand Traverse County	137	141.8	2%	21	21.7	0%	1	1.0	7	7.2	96,625
Gratiot County	78	188.5	10%	12	29.0	8%	-	0.0	3	7.3	41,372
Hillsdale County	82	179.9	9%	25	54.8	4%	4	8.8	8	17.5	45,590
Houghton County	22	57.8	0%	2	5.3	0%	1	2.6	-	0.0	38,041
Huron County	38	123.5	3%	7	22.7	0%	-	0.0	-	0.0	30,780
Ingham County	1,367	470.7	8%	523	180.1	7%	19	6.5	60	20.7	290,427
Ionia County	127	191.7	2%	31	46.8	6%	2	3.0	13	19.6	66,250
Iosco County	25	98.6	0%	2	7.9	0%	-	0.0	1	3.9	25,361
Iron County	11	93.9	9%	-	0.0	-	1	8.5	-	0.0	11,709
Isabella County	190	292.0	9%	37	56.9	3%	-	0.0	3	4.6	65,072
Jackson County	729	455.0	5%	172	107.3	2%	20	12.5	167	104.2	160,233
Kalamazoo County	1,734	654.9	11%	598	225.8	10%	73	27.6	106	40.0	264,780
Kalkaska County	29	155.8	7%	1	5.4	0%	-	0.0	2	10.7	18,618
Kent County	3,142	466.9	9%	1,096	162.9	10%	65	9.7	181	26.9	673,002
Keweenaw County	1	46.3	0%	1	46.3	0%	-	0.0	-	0.0	2,161
Lake County	26	199.9	4%	4	30.8	50%	-	0.0	2	15.4	13,005
Lapeer County	145	162.6	8%	23	25.8	4%	3	3.4	6	6.7	89,168
Leelanau County	18	78.7	6%	4	17.5	0%	-	0.0	-	0.0	22,871
Lenawee County	139	142.2	4%	48	49.1	8%	2	2.0	3	3.1	97,746
Livingston County	235	119.3	4%	52	26.4	6%	6	3.0	8	4.1	196,976
Luce County	5	79.0	20%	-	0.0	-	1	15.8	1	15.8	6,328

STI Diagnoses by County, 2024

Includes confirmed and probable cases

	Chlamydia			Gonorrhea			P&S Syphilis ¹		Latent Syphilis		2024
	Count (N)	Rate	Re-infected %	Count	Rate	Re-infected %	Count	Rate	Count	Rate	Population ²
Mackinac County	23	206.4	0%	1	9.0	0%	-	0.0	-	0.0	11,144
Macomb County	2,855	322.2	9%	966	109.0	6%	32	3.6	147	16.6	886,175
Manistee County	20	78.4	5%	4	15.7	50%	-	0.0	1	3.9	25,519
Marquette County	107	157.4	2%	17	25.0	0%	3	4.4	3	4.4	67,979
Mason County	42	144.4	7%	3	10.3	0%	1	3.4	1	3.4	29,093
Mecosta County	117	278.9	4%	17	40.5	6%	-	0.0	5	11.9	41,947
Menominee County	28	121.5	4%	1	4.3	0%	-	0.0	2	8.7	23,050
Midland County	135	160.7	7%	21	25.0	0%	3	3.6	4	4.8	84,022
Missaukee County	24	157.5	8%	3	19.7	33%	-	0.0	-	0.0	15,239
Monroe County	248	158.9	5%	56	35.9	4%	5	3.2	11	7.0	156,045
Montcalm County	122	176.0	5%	28	40.4	7%	-	0.0	8	11.5	69,314
Montmorency County	8	81.4	0%	-	0.0	-	1	10.2	2	20.4	9,828
Muskegon County	1,151	648.7	11%	445	250.8	10%	24	13.5	41	23.1	177,428
Newaygo County	106	205.8	6%	21	40.8	0%	3	5.8	3	5.8	51,504
Oakland County	3,209	247.4	7%	1,185	91.4	7%	49	3.8	187	14.4	1,296,888
Oceana County	60	222.1	3%	1	3.7	0%	-	0.0	1	3.7	27,014
Ogemaw County	27	128.7	0%	3	14.3	0%	-	0.0	1	4.8	20,985
Ononagon County	6	103.0	0%	-	0.0	-	1	17.2	-	0.0	5,824
Osceola County	38	161.8	0%	2	8.5	0%	-	0.0	1	4.3	23,484
Oscoda County	5	58.2	20%	-	0.0	-	-	0.0	-	0.0	8,596
Otsego County	33	126.5	0%	3	11.5	0%	-	0.0	2	7.7	26,083
Ottawa County	711	232.2	5%	132	43.1	2%	12	3.9	30	9.8	306,235
Presque Isle County	5	37.8	0%	-	0.0	-	-	0.0	-	0.0	13,230
Roscommon County	37	154.6	11%	1	4.2	0%	-	0.0	-	0.0	23,932
Saginaw County	1,094	582.8	12%	454	241.9	8%	6	3.2	32	17.0	187,714
Sanilac County	29	72.0	3%	11	27.3	0%	-	0.0	3	7.4	40,293
Schoolcraft County	4	48.9	0%	-	0.0	-	-	0.0	-	0.0	8,178
Shiawassee County	87	128.0	7%	25	36.8	4%	3	4.4	7	10.3	67,982
St. Clair County	303	189.0	7%	50	31.2	4%	9	5.6	15	9.4	160,308
St. Joseph County	192	313.9	8%	47	76.8	2%	6	9.8	15	24.5	61,171
Tuscola County	56	106.1	0%	8	15.2	0%	-	0.0	2	3.8	52,757
Van Buren County	243	319.2	8%	54	70.9	9%	3	3.9	9	11.8	76,129
Washtenaw County	1,155	308.9	6%	421	112.6	8%	24	6.4	76	20.3	373,875
Wayne County	3,546	312.6	7%	1,252	110.4	8%	61	5.4	228	20.1	1,134,417
Detroit City	9,173	1440.8	11%	4,006	629.2	9%	175	27.5	552	86.7	636,646
Wexford County	73	211.8	3%	2	5.8	0%	-	0.0	3	8.7	34,460
Total	38,792	382.5	9%	13,625	134.4	8%	691	6.8	2,183	21.5	10,140,459

1 - P&S: Primary and Secondary Syphilis

2 - Rate per 100,000 based on annual Census Bureau estimates from the American Community Survey (ACS)

Congenital Syphilis Diagnoses, 2024

Congenital syphilis, or vertical transmission from mother to infant, can be prevented by timely diagnosis and complete treatment of pregnant women. There were **58** reported cases of congenital syphilis in Michigan during 2024. Among the mothers, **72%** had [no or inadequate prenatal care](#). There were **6 deaths** among congenital syphilis cases, including **4 stillbirths**. Among these babies born with congenital syphilis, **40%** were born with low birth weight (2,500 grams or less) and **48%** were born premature (before 37 weeks gestation). **38%** had signs or symptoms of congenital syphilis (rash, abnormal cerebrospinal fluid labs, bone involvement, etc.). Common barriers to syphilis treatment were lack of prenatal care, substance use disorder, transportation, housing insecurity, domestic violence, and mental health challenges.

Congenital Syphilis Cases, 2020 - 2024



2024 Congenital Syphilis Diagnoses by Local Health Jurisdiction

	Count (N)	Rate ⁴	Live Births (N)*
Bay County	1	112.6	888
Calhoun County	3	202.2	1,484
Detroit City	20	268.5	7,449
District 10 ¹	1	43.3	2,310
Genesee County	4	97.5	4,101
Ingham County	2	72.3	2,768
Jackson County	1	66.4	1,505
Kalamazoo County	5	198.8	2,515
Kent County	2	25.0	7,996
Macomb County	5	59.0	8,478
Muskegon County	1	56.3	1,777
Oakland County	1	8.2	12,223
Ottawa County	1	31.7	3,151
Sanilac County	1	264.6	378
St Clair County	1	70.5	1,419
Van Buren-Cass ²	1	130.4	767
Wayne County ³	8	65.7	12,185

*Births data from MDHHS vital records.

1 - District 10 includes Crawford, Kalkaska, Lake, Manistee, Mason, Mecosta, Missaukee, Newaygo, Oceana, and Wexford counties.

2 - Includes Van Buren and Cass Counties.

3 - Excludes the City of Detroit.

4 - Rate of congenital syphilis per 100,000 live births in Michigan during 2024.