

STI Diagnoses in Michigan, 2014 - 2023

All data as of July 25, 2024

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



[HIV & STIs in Michigan](#)
[STI/HIV Operations and](#)
[Resource System \(SHOARS\)](#)

Overview

Michigan's STI Surveillance Program collects, interprets, and disseminates population level data regarding persons with diagnosed sexually transmitted infections (STI). 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. Many STIs are asymptomatic and go undiagnosed, and these are not included in surveillance data or this report, which represents diagnoses but not incidence of infection.

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 onset date. 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.
- P&S Syphilis:** Primary and secondary, or the earliest stages of syphilis infection, are used to reflect incident rather than prevalent infection. During primary syphilis, symptoms appear where syphilis entered the body and last 3-6 weeks. In the following phase, secondary syphilis, symptoms typically manifest with body rash and last 2-10 weeks.
- Latent Syphilis:** Following these symptomatic stages, syphilis is considered latent but still can be infectious and can have long term health consequences. Latent infection lasts through successful treatment.

The following measures are displayed in this report:

- Count:** The number of persons newly diagnosed during the given year.
- Pop:** 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 ($\text{count/pop} \times 100,000$ or $\text{count/est pop} \times 100,000$).
- % change (95CI):** Average annual percent change and 95% confidence interval. This measure is only displayed when statistically significant changes are observed ($p < 0.05$). Average annual percent change is calculated by assessing the count offset by the underlying population. *This represents an average change over a one-year period.*

Exposure Factors and Hierarchy

- MSM:** Men who have sex with men.
- PWID:** Persons who inject drugs.
- Heterosexual:** Males: men who are not MSM or PWID and reported sex with a female.
Females: females who are not a PWID and reported sex with a male.

Annual Review of STI Trends in Michigan, 2014 - 2023

Methods

Case counts of STIs were aggregated by diagnosis year from the MDSS. Population estimates are drawn from the American Community Survey (ACS). Test of trend was calculated using negative binomial regression and trends with $p < 0.05$ were considered statistically significant. Percent annual change and 95% confidence intervals were calculated from this model offset by population.

Overview

Since 2014, **Chlamydia** rates have decreased annually statewide by **1.3 percent, 95% CI [-3%-0%]**. This, and all percent changes presented in this report, is an average annual change.

Over that same 10-year period, **Gonorrhea** rates have, on average, increased **7 percent, 95% CI [3%-12%]** annually. This average includes a decline in annual rates since 2020. The Michigan increase matches a national trend of increasing gonorrhea diagnoses in the United States.

Since 2014, **P&S Syphilis** rates have increased annually statewide by **12 percent, 95% CI [9%-15%]**. In 2013, Michigan experienced a localized outbreak of primary and secondary syphilis in the Detroit area, but in the following years both the city and state saw a decrease in cases. Since 2016, there has been a strong trend of increasing reports.

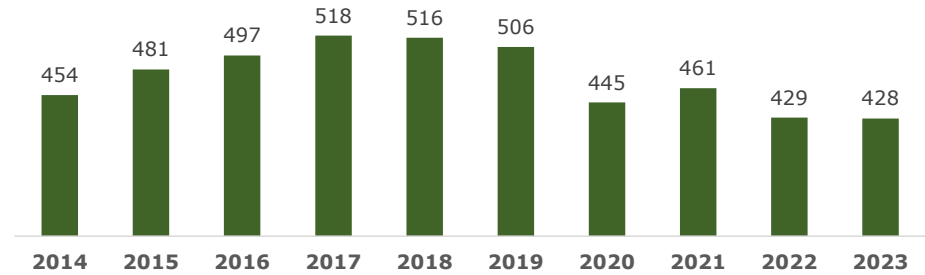
More information:

Additional trend tables follow, which stratify by reported demographic and geographic variables.

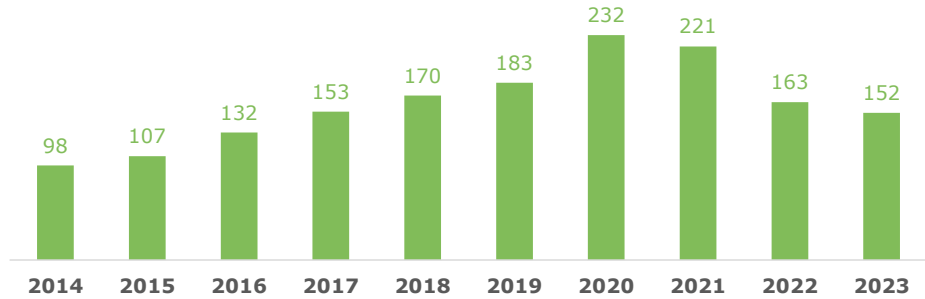
For additional data, visit MDHHS Data & Statistics at [Michigan.gov/HIVSTI](https://www.michigan.gov/HIVSTI).

Overall trends in rates (per 100,000 population)

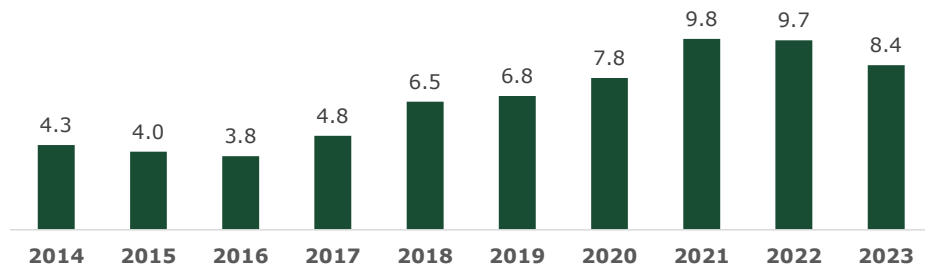
Chlamydia Rate



Gonorrhea Rate



P&S Syphilis Rate



Annual Review of STI Trends in Michigan, 2014 - 2023 - Chlamydia

<i>rates displayed per 100,000 population</i>		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Avg. Annual Change (95% CI)
Michigan Total	<i>count</i>	45043	47819	49429	51682	51513	50487	44851	46265	43035	42957	-1.3%
	<i>rate</i>	453.5	481.4	496.6	518.0	516.1	505.8	445.4	460.9	429.0	428.0	(-2.6%--0.0%)

By Age¹

		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Avg. Annual Change (95% CI)
Less than 15 years	<i>count</i>	449	418	445	436	412	414	328	328	343	410	No significant change
	<i>rate</i>	24.6	23.1	24.8	24.4	23.2	23.5	18.3	18.6	19.7	23.8	
15-19 years	<i>count</i>	13694	14002	14901	15338	15302	14437	12264	11979	11359	11676	-1.9%
	<i>rate</i>	2016.1	2079.5	2225.3	2317.3	2344.7	2239.9	1866.8	1874.5	1761.0	1804.3	(-3.6%--0.2%)
20-24 years	<i>count</i>	18542	19059	19137	19700	19153	18659	16920	17398	15531	14897	No significant change
	<i>rate</i>	2493.7	2598.9	2666.2	2791.8	2760.4	2737.9	2511.5	2609.8	2328.3	2234.2	
25-29 years	<i>count</i>	6866	8139	8534	9340	9479	9306	8170	8385	7592	7291	No significant change
	<i>rate</i>	1131.3	1295.5	1301.3	1373.7	1365.8	1332.7	1207.5	1265.0	1170.2	1141.9	
30-39 years	<i>count</i>	4011	4508	4736	5073	5312	5669	5382	6147	6042	6337	3.4%
	<i>rate</i>	345.4	386.2	401.4	426.3	442.3	467.1	431.1	485.0	471.2	489.4	(2.5%--4.4%)
40-49 years	<i>count</i>	1006	1174	1180	1238	1240	1391	1210	1377	1467	1619	5.1%
	<i>rate</i>	78.6	94.0	96.4	102.6	104.0	118.0	101.8	117.3	125.3	137.7	(3.8%--6.4%)
50-59 years	<i>count</i>	326	335	361	398	478	462	439	497	537	543	7.6%
	<i>rate</i>	22.2	23.0	25.2	28.3	34.7	34.2	32.3	37.1	41.0	42.5	(6.2%--9.0%)
60+ years	<i>count</i>	91	115	104	126	116	139	135	154	164	184	4.9%
	<i>rate</i>	4.2	5.2	4.6	5.4	4.8	5.7	5.4	6.1	6.4	7.0	(2.9%--6.9%)

By Race/Sex¹

		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Avg. Annual Change (95% CI)
Am Indian/AN Female	<i>count</i>	165	149	156	159	190	135	163	161	173	194	No significant change
	<i>rate</i>	589.3	531.3	553.9	561.8	670.4	473.7	574.0	565.5	605.3	676.8	
Am Indian/AN Male	<i>count</i>	52	45	62	67	59	59	56	69	69	68	2.9%
	<i>rate</i>	187.7	162.3	222.7	240.0	211.0	210.2	198.4	243.5	243.0	238.9	(0.0%--5.8%)
Asian/NH/PI Female	<i>count</i>	194	211	266	240	215	262	198	226	221	216	No significant change
	<i>rate</i>	130.3	137.0	166.4	145.3	127.6	154.3	115.4	131.0	125.6	120.1	
Asian/NH/PI Male	<i>count</i>	59	86	98	107	113	128	96	119	125	136	3.9%
	<i>rate</i>	41.8	58.7	63.7	66.8	68.8	77.3	56.8	70.1	72.2	77.0	(1.4%--6.4%)
Black Female	<i>count</i>	12355	11773	12044	13126	12636	12399	12050	12021	11496	12283	No significant change
	<i>rate</i>	1704.0	1627.6	1667.0	1816.1	1747.8	1715.4	1652.7	1654.8	1588.6	1700.8	
Black Male	<i>count</i>	5778	5911	6509	7468	7510	7681	7086	7245	7010	7859	2.6%
	<i>rate</i>	881.8	903.6	995.4	1142.8	1150.4	1177.9	1066.3	1095.8	1066.1	1197.8	(1.0%--4.2%)
Hispanic Female	<i>count</i>	1064	1193	1260	1430	1345	1443	1400	1757	1743	1852	3.1%
	<i>rate</i>	452.1	497.7	513.5	570.2	524.5	550.1	505.1	623.2	604.1	628.6	(1.8%--4.3%)
Hispanic Male	<i>count</i>	431	423	512	567	594	635	500	644	723	804	3.6%
	<i>rate</i>	177.5	171.1	202.0	218.8	224.2	234.3	173.2	219.5	241.2	263.2	(1.4%--5.8%)
Multi/Other Female	<i>count</i>	437	534	917	1082	1565	1607	1475	1629	1331	1278	10.0%
	<i>rate</i>	422.1	505.0	846.6	975.4	1376.4	1383.5	1233.1	1337.1	1070.5	1006.7	(3.0%--17.6%)
Multi/other Male	<i>count</i>	166	181	296	447	715	781	806	957	795	822	18.7%
	<i>rate</i>	166.1	176.5	280.9	413.2	644.6	687.8	684.8	797.7	647.6	655.2	(11.0%--26.9%)
White Female	<i>count</i>	10155	10353	10973	11470	11591	10565	9672	10106	8966	8292	-2.0%
	<i>rate</i>	266.5	272.6	289.4	302.9	306.7	280.4	257.8	270.9	241.0	223.4	(-3.6%--0.4%)
White Male	<i>count</i>	3448	3701	4201	4570	4500	4251	3494	3853	3820	3622	No significant change
	<i>rate</i>	92.8	99.8	113.4	123.4	121.7	115.3	93.8	104.0	103.5	98.4	

1 - Cases with missing data for characteristics were omitted from the respective analyses

Annual Review of STI Trends in Michigan, 2014 - 2023 - Chlamydia

By residence at diagnosis (local health jurisdiction)

		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Avg. Annual Change (95% CI)
<i>rates displayed per 100,000 population</i>												
Allegan County	count	294	323	360	429	389	411	324	317	292	251	No significant change
	rate	259.3	283.0	313.0	368.6	332.1	348.2	268.5	261.8	240.7	205.8	
Barry-Eaton	count	565	575	651	573	605	595	578	505	437	410	-3.9% (-5.8%--1.9%)
	rate	336.4	342.0	385.2	336.7	354.1	346.7	336.5	293.5	253.7	237.5	
Bay County	count	316	321	344	416	419	390	332	395	280	252	No significant change
	rate	297.9	304.9	329.4	399.7	404.2	378.8	320.0	383.1	272.8	245.9	
Benzie-Leelanau	count	77	80	85	104	81	66	43	68	55	49	-6.8% (-10.5%--3.0%)
	rate	197.1	205.0	217.8	264.9	205.5	167.3	106.7	166.4	133.5	118.2	
Berrien County	count	795	847	831	875	972	863	784	913	859	833	No significant change
	rate	509.4	546.0	538.0	567.2	631.6	562.8	508.4	595.4	562.0	547.1	
Branch-Hillsdale-St. Joseph	count	383	446	405	421	466	409	394	431	391	428	No significant change
	rate	254.2	296.7	270.0	280.9	310.7	273.0	260.0	284.1	258.9	282.2	
Calhoun County	count	908	913	944	995	1064	947	710	893	750	841	No significant change
	rate	673.4	679.4	702.7	741.8	794.9	707.7	529.1	667.0	562.1	630.6	
Central Michigan District	count	444	409	471	596	561	588	518	511	470	415	No significant change
	rate	235.0	216.4	249.4	315.6	297.5	312.3	284.4	279.7	256.3	226.0	
Chippewa County	count	94	105	117	104	84	60	68	79	80	115	No significant change
	rate	245.6	276.3	310.1	275.9	224.5	160.9	184.8	220.4	221.0	317.1	
Delta-Menominee	count	133	130	162	132	171	169	77	83	91	65	-8.0% (-13.1%--2.6%)
	rate	221.2	216.9	272.6	224.1	290.8	288.8	127.7	138.0	151.7	108.8	
Detroit City ²	count	10804	11556	11600	11573	11000	11145	9947	10005	9474	10043	-1.4% (-2.4%--0.3%)
	rate	1380.7	1510.3	1530.4	1534.5	1464.3	1488.9	1333.9	1378.1	1321.1	1400.4	
Dickinson-Iron	count	66	90	90	77	93	97	68	87	59	47	No significant change
	rate	177.1	243.2	245.2	210.6	254.6	279.1	181.1	232.4	156.7	124.6	
District 2	count	101	122	113	155	124	92	111	97	82	72	-4.8% (-8.3%--1.1%)
	rate	155.0	189.4	175.6	239.9	191.7	141.7	172.4	149.8	125.8	110.1	
District 4	count	125	104	134	149	121	133	112	131	95	98	No significant change
	rate	162.7	136.4	176.2	196.4	159.3	175.9	146.1	169.8	122.3	125.8	
District 10	count	680	809	729	729	707	756	574	603	565	594	-3.4% (-5.0%--1.8%)
	rate	260.7	309.9	278.6	277.0	267.2	284.8	218.7	227.9	212.4	221.6	
Genesee County	count	2924	2773	2681	2823	2757	2953	2787	2686	2386	2429	-1.3% (-2.3%--0.3%)
	rate	708.1	675.4	655.4	692.5	678.0	727.9	686.8	663.8	593.6	604.9	
Grand Traverse County	count	285	277	278	287	276	273	248	231	278	200	-3.3% (-4.8%--1.7%)
	rate	313.5	302.4	301.9	312.2	298.1	293.4	259.9	240.7	288.7	207.4	
Huron County	count	57	64	57	57	67	50	59	57	49	38	No significant change
	rate	177.9	201.5	181.1	182.1	214.8	161.8	188.1	182.1	157.3	122.9	

2 - Detroit LHD refers to Detroit City and Hamtramck, Highland Park, the Grosse Points, and Harper Woods. Wayne LHD covers Western Wayne County for STIs.

Annual Review of STI Trends in Michigan, 2014 - 2023 - Chlamydia

By residence at diagnosis (local health jurisdiction)

		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Avg. Annual Change (95% CI)
<i>rates displayed per 100,000 population</i>												
Ingham County	<i>count</i>	1719	1766	2014	1921	1946	1812	1676	1783	1675	1522	No significant change
	<i>rate</i>	601.6	614.8	695.4	658.6	668.1	621.8	588.7	657.4	590.9	534.7	
Ionia County	<i>count</i>	140	181	170	220	230	174	192	201	181	160	No significant change
	<i>rate</i>	217.9	282.5	264.7	342.2	357.8	269.1	287.1	300.8	270.8	241.5	
Jackson County	<i>count</i>	804	895	930	846	958	925	692	822	877	745	No significant change
	<i>rate</i>	504.2	561.7	587.3	533.2	604.1	584.1	431.9	513.2	549.0	467.3	
Kalamazoo County	<i>count</i>	2059	2136	2181	2303	2356	2332	1931	1895	1673	1764	-2.7% (-4.3%--1.0%)
	<i>rate</i>	794.8	822.1	833.8	874.4	888.7	878.2	737.6	727.4	641.3	672.7	
Kent County	<i>count</i>	3665	3825	3538	4180	4018	3625	3340	3831	3710	3660	No significant change
	<i>rate</i>	580.4	600.2	549.2	643.4	614.7	551.9	507.2	581.5	563.0	553.4	
Lapeer County	<i>count</i>	140	165	143	163	186	178	148	169	141	108	No significant change
	<i>rate</i>	158.7	186.7	162.1	184.8	211.4	202.7	167.1	190.6	159.1	121.4	
Lenawee County	<i>count</i>	215	284	300	309	290	266	245	240	225	198	No significant change
	<i>rate</i>	217.7	288.5	304.3	313.7	295.6	270.0	246.7	242.2	228.9	203.0	
Livingston County	<i>count</i>	274	367	386	379	375	351	299	315	232	254	-4.1% (-7.1%--1.1%)
	<i>rate</i>	147.7	196.0	204.7	199.6	196.1	182.8	154.1	161.3	118.3	129.1	
Luce-Mack-Alger-School	<i>count</i>	39	39	73	79	65	56	46	57	46	51	No significant change
	<i>rate</i>	111.7	112.6	213.9	230.4	189.8	165.2	134.8	169.1	134.6	149.2	
Macomb County	<i>count</i>	2424	2726	3232	3548	3590	3578	3046	3306	3102	3150	No significant change
	<i>rate</i>	280.9	315.1	372.2	407.4	411.7	410.1	346.0	376.7	354.8	360.0	
Marquette County	<i>count</i>	221	212	277	268	320	240	208	190	145	150	-5.3% (-9.3%--1.0%)
	<i>rate</i>	326.0	314.7	416.1	402.9	481.9	359.9	315.1	289.0	217.9	223.9	
Mid-Michigan District	<i>count</i>	438	493	550	536	596	581	501	527	463	424	No significant change
	<i>rate</i>	241.6	272.2	302.9	292.8	324.5	315.8	267.2	280.2	246.3	224.1	
Midland County	<i>count</i>	174	160	214	221	198	195	164	152	155	173	No significant change
	<i>rate</i>	208.3	191.1	256.3	264.9	237.3	233.8	196.5	182.1	185.0	205.9	
Monroe County	<i>count</i>	350	409	400	369	380	412	407	333	378	340	No significant change
	<i>rate</i>	233.5	273.7	268.0	246.8	253.0	273.9	262.8	214.1	243.5	219.3	

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By residence at diagnosis (local health jurisdiction)

		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Avg. Annual Change (95% CI)
<i>rates displayed per 100,000 population</i>												
Muskegon County	count	1239	1344	1310	1425	1312	1336	1336	1364	1253	1290	No significant change
	rate	719.1	779.1	755.7	819.9	755.2	769.4	764.4	777.0	713.8	730.6	
Northwest MI Com Hlth Agency	count	195	190	238	284	214	218	178	207	212	184	No significant change
	rate	183.2	178.6	223.2	265.1	199.2	202.7	163.7	188.7	192.4	166.6	
Oakland County	count	3616	3942	4198	4214	4526	4443	3924	3956	3699	3755	No significant change
	rate	290.9	316.7	335.4	335.4	359.9	353.3	308.4	310.9	291.0	295.6	
Ottawa County	count	706	854	855	974	924	804	808	1006	770	720	No significant change
	rate	254.1	304.0	301.4	340.0	319.1	275.9	272.1	337.1	255.9	237.3	
Saginaw County	count	1222	1264	1137	1340	1484	1306	1243	1249	1198	1049	No significant change
	rate	625.6	653.6	590.2	697.9	777.6	685.6	654.6	659.0	636.0	558.6	
Sanilac County	count	83	95	86	96	81	73	72	51	43	44	-7.7% (-10.5%--4.9%)
	rate	199.2	229.1	207.5	232.7	196.4	177.1	177.8	125.8	106.2	109.0	
Shiawassee County	count	207	199	210	217	197	246	170	156	131	110	-5.9% (-9.0%--2.5%)
	rate	300.7	290.3	306.2	317.1	289.4	361.4	250.0	229.4	192.7	161.7	
St Clair County	count	413	401	444	479	498	463	364	336	361	349	-2.7% (-5.1%--0.3%)
	rate	258.0	251.0	278.4	301.0	312.8	290.6	227.0	209.7	226.1	218.3	
Tuscola County	count	114	127	148	147	136	121	114	98	93	90	-4.1% (-6.7%--1.4%)
	rate	211.4	236.4	277.9	278.3	258.1	231.1	213.8	184.8	175.8	170.4	
Van Buren-Cass	count	367	374	384	442	467	488	373	396	377	384	No significant change
	rate	289.4	295.8	303.3	348.5	384.6	382.9	293.4	311.3	296.5	301.3	
Washtenaw County	count	1438	1648	1778	1693	1727	1804	1567	1452	1397	1283	-2.2% (-4.0%--0.3%)
	rate	398.9	453.3	484.5	457.9	466.1	489.9	421.4	397.8	381.2	351.0	
Wayne County ³	count	3632	3671	4063	4412	4373	4330	3939	3956	3708	3744	No significant change
	rate	367.2	367.2	405.1	439.6	435.3	432.3	377.3	377.2	355.9	362.1	
Western UP District	count	97	107	118	122	109	133	134	125	97	76	No significant change
	rate	140.1	156.1	172.8	179.4	162.0	204.6	198.3	183.5	142.9	111.4	

3 - Excludes the City of Detroit

Annual Review of STI Trends in Michigan, 2014 - 2023 - Gonorrhea

<i>rates displayed per 100,000 population</i>		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Avg. Annual Change
Michigan Total	<i>count</i>	9704	10656	13115	15309	16977	18306	23411	22166	16374	15277	7.2%
	<i>rate</i>	97.7	107.3	131.8	153.4	170.1	183.4	232.5	220.8	163.2	152.2	(2.7%-11.9%)

By Age¹

		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Avg. Annual Change
Less than 15 years	<i>count</i>	109	84	115	108	112	96	113	121	117	140	3.9%
	<i>rate</i>	6.0	4.6	6.4	6.0	6.3	5.4	6.3	6.9	6.7	8.1	(1.6%-6.2%)
15-19 years	<i>count</i>	2259	2277	2800	3241	3510	3487	4063	3665	3076	3184	5.5%
	<i>rate</i>	332.6	338.2	418.1	489.7	537.8	541.0	618.5	573.5	476.9	492.0	(2.4%-8.8%)
20-24 years	<i>count</i>	3609	3757	4181	4667	4971	5403	6802	6123	4340	3975	5.3%
	<i>rate</i>	485.4	512.3	582.5	661.4	716.4	792.8	1009.7	918.5	650.6	596.2	(1.0%-9.7%)
25-29 years	<i>count</i>	1697	2145	2859	3377	3663	4124	5292	4785	3178	2782	7.4%
	<i>rate</i>	279.6	341.4	436.0	496.7	527.8	590.6	782.1	721.9	489.8	435.7	(2.0%-13.1%)
30-39 years	<i>count</i>	1275	1494	2045	2450	2997	3330	4752	5008	3707	3354	13.2%
	<i>rate</i>	109.8	128.0	173.3	205.9	249.5	274.4	380.6	395.2	289.1	259.0	(7.6%-19.1%)
40-49 years	<i>count</i>	472	527	696	889	1084	1143	1480	1588	1187	1195	14.1%
	<i>rate</i>	36.9	42.2	56.9	73.7	90.9	97.0	124.5	135.3	101.4	101.7	(8.9%-19.5%)
50-59 years	<i>count</i>	201	277	320	428	487	515	680	643	549	467	12.9%
	<i>rate</i>	13.7	19.0	22.3	30.4	35.4	38.1	50.1	48.1	41.9	36.6	(7.7%-18.5%)
60+ years	<i>count</i>	60	84	89	138	152	206	226	233	219	180	12.7%
	<i>rate</i>	2.8	3.8	3.9	5.9	6.3	8.4	9.1	9.2	8.5	6.9	(7.3%-18.2%)

By Race/Sex¹

		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Avg. Annual Change
Am Indian/AN Female	<i>count</i>	15	9	21	22	32	27	44	49	40	29	13.5%
	<i>rate</i>	53.6	32.1	74.6	77.7	112.9	94.7	154.9	172.1	140.0	101.2	(6.3%-21.1%)
Am Indian/AN Male	<i>count</i>	7	10	20	16	24	28	34	48	35	11	14.3%
	<i>rate</i>	25.3	36.1	71.8	57.3	85.8	99.8	120.5	169.4	123.2	38.6	(2.7%-27.3%)
Asian/NH/PI Female	<i>count</i>	13	18	29	24	25	33	31	32	29	27	No significant change
	<i>rate</i>	8.7	11.7	18.1	14.5	14.8	19.4	18.1	18.6	16.5	15.0	
Asian/NH/PI Male	<i>count</i>	15	23	29	48	56	53	40	65	63	60	10.7%
	<i>rate</i>	10.6	15.7	18.8	30.0	34.1	32.0	23.7	38.3	36.4	34.0	(5.3%-16.3%)
Black Female	<i>count</i>	3013	2952	3519	4064	4237	4645	6109	5635	4218	4057	5.8%
	<i>rate</i>	415.6	408.1	487.1	562.3	586.1	642.6	837.9	775.7	582.9	561.8	(2.0%-9.8%)
Black Male	<i>count</i>	2840	3103	3791	4733	5242	5830	7432	6813	5477	5427	9.2%
	<i>rate</i>	433.4	474.3	579.8	724.3	803.0	894.0	1118.3	1030.4	832.9	827.1	(4.9%-13.6%)
Hispanic Female	<i>count</i>	119	161	200	233	236	303	440	448	362	358	11.3%
	<i>rate</i>	50.6	67.2	81.5	92.9	92.0	115.5	158.7	158.9	125.5	121.5	(6.9%-15.8%)
Hispanic Male	<i>count</i>	104	113	161	213	245	268	306	336	326	354	11.5%
	<i>rate</i>	42.8	45.7	63.5	82.2	92.5	98.9	106.0	114.5	108.8	115.9	(8.2%-14.9%)
Multi/Other Female	<i>count</i>	72	61	91	188	265	327	485	436	244	217	19.5%
	<i>rate</i>	69.5	57.7	84.0	169.5	233.1	281.5	405.5	357.9	196.2	170.9	(7.0%-33.3%)
Multi/other Male	<i>count</i>	51	58	85	162	320	406	562	547	328	336	27.9%
	<i>rate</i>	51.0	56.6	80.7	149.7	288.5	357.6	477.5	456.0	267.2	267.8	(14.2%-43.3%)
White Female	<i>count</i>	918	1016	1376	1740	2140	2104	2887	2990	2045	1645	11.0%
	<i>rate</i>	12.2	13.5	18.4	23.2	28.6	28.2	38.6	40.2	27.6	22.3	(4.5%-17.9%)
White Male	<i>count</i>	707	874	1203	1472	1618	1584	1932	2039	1682	1573	9.7%
	<i>rate</i>	19.0	23.6	32.5	39.7	43.8	43.0	51.9	55.1	45.6	42.7	(5.2%-14.4%)

¹ - Cases with missing data for characteristics were omitted from the respective analyses

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By residence at diagnosis (local health jurisdiction)

		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Avg. Annual Change
<i>rates displayed per 100,000 population</i>												
Allegan County	<i>count</i>	30	33	41	62	77	110	109	106	95	80	13.8%
	<i>rate</i>	26.5	28.9	35.6	53.3	65.7	93.2	90.3	87.6	78.3	65.6	(6.9%-21.0%)
Barry-Eaton	<i>count</i>	79	98	144	110	155	141	218	196	166	144	7.6%
	<i>rate</i>	47.0	58.3	85.2	64.6	90.7	82.2	126.9	113.9	96.4	83.4	(2.9%-12.5%)
Bay County	<i>count</i>	23	49	52	108	91	106	99	136	84	42	No significant change
	<i>rate</i>	21.7	46.5	49.8	103.8	87.8	102.9	95.4	131.9	81.8	41.0	
Benzie-Leelanau	<i>count</i>	3	4	3	2	7	7	5	17	11	10	18.6%
	<i>rate</i>	7.7	10.3	7.7	5.1	17.8	17.7	12.4	41.6	26.7	24.1	(7.6%-30.6%)
Berrien County	<i>count</i>	109	206	276	285	383	303	407	531	462	185	10.6%
	<i>rate</i>	69.8	132.8	178.7	184.7	248.9	197.6	263.9	346.3	302.3	121.5	(1.8%-20.2%)
Branch-Hillsdale-St. Joseph	<i>count</i>	13	24	46	54	119	165	218	242	98	102	31.0%
	<i>rate</i>	8.6	16.0	30.7	36.0	79.3	110.1	143.8	159.5	64.9	67.2	(13.6%-51.0%)
Calhoun County	<i>count</i>	189	173	225	362	432	471	471	537	363	288	9.7%
	<i>rate</i>	140.2	128.7	167.5	269.9	322.7	352.0	351.0	401.1	272.1	215.9	(2.4%-17.5%)
Central Michigan District	<i>count</i>	20	30	41	66	67	96	125	116	92	71	18.2%
	<i>rate</i>	10.6	15.9	21.7	35.0	35.5	51.0	68.6	63.5	50.2	38.7	(9.2%-27.9%)
Chippewa County	<i>count</i>	1	1	2	3	5	4	7	12	9	4	23.9%
	<i>rate</i>	2.6	2.6	5.3	8.0	13.4	10.7	19.0	33.5	24.9	11.0	(8.5%-41.6%)
Delta-Menominee	<i>count</i>	6	8	11	9	7	9	5	4	4	10	No significant change
	<i>rate</i>	10.0	13.4	18.5	15.3	11.9	15.4	8.3	6.7	6.7	16.7	
Detroit City ²	<i>count</i>	3430	3505	4263	4795	5149	5831	7001	6152	4384	4639	8.0%
	<i>rate</i>	438.3	458.1	562.4	635.8	685.4	779.0	938.8	847.4	611.3	646.9	(3.7%-12.4%)
Dickinson-Iron	<i>count</i>	0	1	11	7	3	6	4	6	4	3	No significant change
	<i>rate</i>	0.0	2.7	30.0	19.1	8.2	17.3	10.7	16.0	10.6	8.0	
District 2	<i>count</i>	2	5	7	14	16	9	13	11	4	6	No significant change
	<i>rate</i>	3.1	7.8	10.9	21.7	24.7	13.9	20.2	17.0	6.1	9.2	
District 4	<i>count</i>	3	0	3	7	11	17	16	14	7	5	No significant change
	<i>rate</i>	3.9	0.0	3.9	9.2	14.5	22.5	20.9	18.1	9.0	6.4	
District 10	<i>count</i>	33	48	64	67	83	89	151	167	101	87	14.2%
	<i>rate</i>	12.7	18.4	24.5	25.5	31.4	33.5	57.5	63.1	38.0	32.5	(6.7%-22.3%)
Genesee County	<i>count</i>	759	888	991	965	888	1102	1710	1721	1269	897	6.5%
	<i>rate</i>	183.8	216.3	242.3	236.7	218.4	271.6	421.4	425.3	315.7	223.4	(1.4%-11.9%)
Grand Traverse County	<i>count</i>	7	10	13	21	1	39	41	48	27	22	18.8%
	<i>rate</i>	7.7	10.9	14.1	22.8	1.1	41.9	43.0	50.0	28.0	22.8	(2.1%-38.3%)
Huron County	<i>count</i>	1	5	3	8	3	4	10	8	7	4	No significant change
	<i>rate</i>	3.1	15.7	9.5	25.6	9.6	12.9	31.9	25.6	22.5	12.9	

2 - Detroit LHD refers to Detroit City and Hamtramck, Highland Park, the Grosse Points, and Harper Woods. Wayne LHD covers Western Wayne County for STIs.

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By residence at diagnosis (local health jurisdiction)

		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Avg. Annual Change
<i>rates displayed per 100,000 population</i>												
Ingham County	<i>count</i>	410	474	676	557	596	536	921	977	781	623	9.2%
	<i>rate</i>	143.5	165.0	233.4	191.0	204.6	183.9	323.5	360.2	275.5	218.9	(5.6%-12.9%)
Ionia County	<i>count</i>	9	16	15	23	18	32	54	90	31	17	23.0%
	<i>rate</i>	14.0	25.0	23.4	35.8	28.0	49.5	80.8	134.7	46.4	25.7	(13.0%-34.0%)
Jackson County	<i>count</i>	53	82	66	148	232	251	375	426	277	202	28.7%
	<i>rate</i>	33.2	51.5	41.7	93.3	146.3	158.5	234.0	266.0	173.4	126.7	(21.1%-36.8%)
Kalamazoo County	<i>count</i>	658	657	655	851	1026	1093	1226	1085	856	710	11.1%
	<i>rate</i>	254.0	252.9	250.4	323.1	387.0	411.6	468.3	416.5	328.1	270.8	(5.4%-17.1%)
Kent County	<i>count</i>	864	757	772	1108	1375	1286	1947	1826	1358	1237	11.4%
	<i>rate</i>	136.8	118.8	119.8	170.5	210.4	195.8	295.7	277.1	206.1	187.0	(7.4%-15.5%)
Lapeer County	<i>count</i>	8	12	13	27	27	33	41	38	16	13	17.1%
	<i>rate</i>	9.1	13.6	14.7	30.6	30.7	37.6	46.3	42.9	18.1	14.6	(7.0%-28.2%)
Lenawee County	<i>count</i>	11	18	54	47	44	83	112	74	96	63	23.9%
	<i>rate</i>	11.1	18.3	54.8	47.7	44.8	84.2	112.8	74.7	97.7	64.6	(14.9%-33.5%)
Livingston County	<i>count</i>	25	35	25	44	49	46	67	49	42	45	8.8%
	<i>rate</i>	13.5	18.7	13.3	23.2	25.6	24.0	34.5	25.1	21.4	22.9	(3.7%-14.1%)
Luce-Mack-Alger-School	<i>count</i>	1	0	3	10	8	10	1	6	5	8	No significant change
	<i>rate</i>	2.9	0.0	8.8	29.2	23.4	29.5	2.9	17.8	14.6	23.4	No significant change
Macomb County	<i>count</i>	483	518	814	920	1103	1174	1434	1401	973	1068	11.7%
	<i>rate</i>	56.0	59.9	93.7	105.6	126.5	134.6	162.9	159.6	111.3	122.0	(7.1%-16.6%)
Marquette County	<i>count</i>	18	8	8	8	6	7	12	17	7	28	No significant change
	<i>rate</i>	26.5	11.9	12.0	12.0	9.0	10.5	18.2	25.9	10.5	41.8	No significant change
Mid-Michigan District	<i>count</i>	36	38	67	69	86	100	156	162	92	101	19.1%
	<i>rate</i>	19.9	21.0	36.9	37.7	46.8	54.3	83.2	86.1	48.9	53.4	(12.6%-25.9%)
Midland County	<i>count</i>	11	11	26	46	26	40	40	35	31	19	15.1%
	<i>rate</i>	13.2	13.1	31.1	55.1	31.2	48.0	47.9	41.9	37.0	22.6	(5.7%-25.3%)
Monroe County	<i>count</i>	50	54	72	82	99	114	173	70	81	69	No significant change
	<i>rate</i>	33.4	36.1	48.2	54.8	65.9	75.8	111.7	45.0	52.2	44.5	No significant change

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By residence at diagnosis (local health jurisdiction)

		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Avg. Annual Change
<i>rates displayed per 100,000 population</i>												
Muskegon County	<i>count</i>	264	411	496	560	608	577	680	775	522	641	7.4%
	<i>rate</i>	153.2	238.3	286.1	322.2	350.0	332.3	389.1	441.5	297.4	363.0	(3.0%-12.0%)
Northwest MI Com Hlth Agency	<i>count</i>	6	10	4	10	20	12	23	31	17	16	14.6%
	<i>rate</i>	5.6	9.4	3.8	9.3	18.6	11.2	21.2	28.3	15.4	14.5	(4.6%-25.6%)
Oakland County	<i>count</i>	622	734	1026	1142	1327	1293	1709	1531	1235	1313	8.3%
	<i>rate</i>	50.0	59.0	82.0	90.9	105.5	102.8	134.3	120.3	97.2	103.4	(3.9%-12.9%)
Ottawa County	<i>count</i>	82	82	115	135	182	160	201	258	152	168	9.3%
	<i>rate</i>	29.5	29.2	40.5	47.1	62.9	54.9	67.7	86.5	50.5	55.4	(3.9%-14.9%)
Saginaw County	<i>count</i>	336	362	410	392	547	724	749	655	659	488	8.5%
	<i>rate</i>	172.0	187.2	212.8	204.2	286.6	380.1	394.5	345.6	349.8	259.9	(3.8%-13.4%)
Sanilac County	<i>count</i>	4	4	4	9	9	4	11	20	6	5	No significant change
	<i>rate</i>	9.6	9.6	9.7	21.8	21.8	9.7	27.2	49.3	14.8	12.4	No significant change
Shiawassee County	<i>count</i>	16	20	20	26	24	21	56	68	26	19	No significant change
	<i>rate</i>	23.2	29.2	29.2	38.0	35.3	30.9	82.3	100.0	38.3	27.9	No significant change
St Clair County	<i>count</i>	30	35	74	56	72	89	142	158	61	82	13.7%
	<i>rate</i>	18.7	21.9	46.4	35.2	45.2	55.9	88.5	98.6	38.2	51.3	(4.2%-24.1%)
Tuscola County	<i>count</i>	7	8	13	21	19	18	18	11	11	11	No significant change
	<i>rate</i>	13.0	14.9	24.4	39.8	36.1	34.4	33.8	20.7	20.8	20.8	No significant change
Van Buren-Cass	<i>count</i>	40	53	48	121	143	127	155	141	174	84	13.8%
	<i>rate</i>	31.5	41.9	37.9	95.4	117.8	99.7	121.9	110.8	136.9	65.9	(4.4%-24.0%)
Washtenaw County	<i>count</i>	260	345	416	569	524	574	619	528	436	369	No significant change
	<i>rate</i>	72.1	94.9	113.4	153.9	141.4	155.9	166.5	144.7	119.0	100.9	No significant change
Wayne County ³	<i>count</i>	686	813	1018	1373	1260	1386	1873	1699	1233	1269	7.8%
	<i>rate</i>	69.4	81.3	101.5	136.8	125.4	138.4	179.4	162.0	118.4	122.7	(2.9%-13.0%)
Western UP District	<i>count</i>	6	11	9	10	11	7	6	11	9	10	No significant change
	<i>rate</i>	8.7	16.1	13.2	14.7	16.3	10.8	8.9	16.1	13.3	14.7	No significant change

3 - Excludes the City of Detroit

Annual Review of STI Trends in Michigan, 2014 - 2023 - P&S Syphilis

<i>rates displayed per 100,000 population</i>		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Avg. Annual Change
Michigan Total	<i>count</i>	431	397	375	480	654	683	782	980	972	845	11.8%
	<i>rate</i>	4.3	4.0	3.8	4.8	6.6	6.8	7.8	9.8	9.7	8.4	(8.7%-15.0%)
By Age¹												
		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Avg. Annual Change
Less than 15 years	<i>count</i>	0	0	0	2	2	1	0	1	0	0	No significant change
	<i>rate</i>	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.0	No significant change
15-19 years	<i>count</i>	23	27	31	39	29	33	29	41	48	32	5.8%
	<i>rate</i>	3.4	4.0	4.6	5.9	4.4	5.1	4.4	6.4	7.4	4.9	(1.8%-9.8%)
20-24 years	<i>count</i>	125	79	95	103	129	102	121	168	129	112	5.1%
	<i>rate</i>	16.8	10.8	13.2	14.6	18.6	15.0	18.0	25.2	19.3	16.8	(1.3%-9.0%)
25-29 years	<i>count</i>	95	111	94	107	158	164	175	185	166	167	7.8%
	<i>rate</i>	15.7	17.7	14.3	15.7	22.8	23.5	25.9	27.9	25.6	26.2	(5.4%-10.3%)
30-39 years	<i>count</i>	97	97	72	105	169	190	223	306	328	304	17.1%
	<i>rate</i>	8.4	8.3	6.1	8.8	14.1	15.7	17.9	24.1	25.6	23.5	(12.9%-21.4%)
40-49 years	<i>count</i>	60	46	41	77	94	105	119	146	160	135	16.1%
	<i>rate</i>	4.7	3.7	3.3	6.4	7.9	8.9	10.0	12.4	13.7	11.5	(11.7%-20.7%)
50-59 years	<i>count</i>	25	33	30	36	53	64	85	88	97	73	18.0%
	<i>rate</i>	1.7	2.3	2.1	2.6	3.9	4.7	6.3	6.6	7.4	5.7	(13.0%-23.2%)
60+ years	<i>count</i>	6	4	12	11	20	24	30	45	44	22	22.5%
	<i>rate</i>	0.3	0.2	0.5	0.5	0.8	1.0	1.2	1.8	1.7	0.8	(12.0%-34.0%)
By Race/Sex¹												
		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Avg. Annual Change
Am Indian/AN Female	<i>count</i>	0	0	0	0	2	1	2	2	1	1	No significant change
	<i>rate</i>	0.0	0.0	0.0	0.0	7.1	3.5	7.0	7.0	3.5	3.5	No significant change
Am Indian/AN Male	<i>count</i>	0	1	1	2	3	3	4	3	2	3	No significant change
	<i>rate</i>	0.0	3.6	3.6	7.2	10.7	10.7	14.2	10.6	7.0	10.5	No significant change
Asian/NH/PI Female	<i>count</i>	0	0	0	1	0	0	0	1	0	2	No significant change
	<i>rate</i>	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.6	0.0	1.1	No significant change
Asian/NH/PI Male	<i>count</i>	0	4	4	5	11	7	8	14	9	8	13.6%
	<i>rate</i>	0.0	2.7	2.6	3.1	6.7	4.2	4.7	8.2	5.2	4.5	(3.1%-25.3%)
Black Female	<i>count</i>	22	26	19	17	38	49	70	126	114	87	25.4%
	<i>rate</i>	3.0	3.6	2.6	2.4	5.3	6.8	9.6	17.3	15.8	12.0	(17.2%-34.1%)
Black Male	<i>count</i>	239	206	168	210	306	320	398	499	436	337	10.0%
	<i>rate</i>	36.5	31.5	25.7	32.1	46.9	49.1	59.9	75.5	66.3	51.4	(5.4%-14.7%)
Hispanic Female	<i>count</i>	0	0	2	0	6	7	4	4	7	8	25.5%
	<i>rate</i>	0.0	0.0	0.8	0.0	2.3	2.7	1.4	1.4	2.4	2.7	(10.3%-42.7%)
Hispanic Male	<i>count</i>	16	15	26	34	31	39	30	37	54	56	10.3%
	<i>rate</i>	6.6	6.1	10.3	13.1	11.7	14.4	10.4	12.6	18.0	18.3	(6.2%-14.7%)
Multi/Other Female	<i>count</i>	0	0	0	0	2	0	0	3	1	2	37.4%
	<i>rate</i>	0.0	0.0	0.0	0.0	1.8	0.0	0.0	2.5	0.8	1.6	(0.7%-87.3%)
Multi/other Male	<i>count</i>	2	6	2	4	8	7	17	14	10	9	14.5%
	<i>rate</i>	2.0	5.9	1.9	3.7	7.2	6.2	14.4	11.7	8.1	7.2	(3.3%-27.0%)
White Female	<i>count</i>	8	8	11	14	21	38	36	70	82	80	34.9%
	<i>rate</i>	0.2	0.2	0.3	0.4	0.6	1.0	1.0	1.9	2.2	2.2	(27.8%-42.4%)
White Male	<i>count</i>	144	131	138	192	226	209	210	200	241	243	6.8%
	<i>rate</i>	3.9	3.5	3.7	5.2	6.1	5.7	5.6	5.4	6.5	6.6	(4.3%-9.3%)

1 - Cases with missing data for characteristics were omitted from the respective analyses

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By Exposure Factor (population denominators not available)

		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Avg. Annual Change
Het Female	count	24	30	31	25	56	83	100	177	170	152	29.4%
	(Women who have sex with men)											(22.5%-36.7%)
Het Male	count	64	49	42	63	110	166	214	277	258	212	24.2%
	(Men who have sex with women only)											(16.6%-32.2%)
MSM	count	284	271	269	337	396	344	387	376	379	284	No significant change
	(Men who have sex with men)											
PWID	count	7	4	5	7	16	25	16	12	18	11	12.8%
	(People who inject drugs)											(1.7%-25.2%)

By residence at diagnosis (local health jurisdiction)

		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Avg. Annual Change
<i>rates displayed per 100,000 population</i>												
Allegan County	count	4	1	1	4	1	2	3	6	8	2	No significant change
	rate	3.5	0.9	0.9	3.4	0.9	1.7	2.5	5.0	6.6	1.6	
Barry-Eaton	count	1	0	1	3	3	8	7	8	7	13	31.9%
	rate	0.6	0.0	0.6	1.8	1.8	4.7	4.1	4.6	4.1	7.5	(17.6%-48.0%)
Bay County	count	1	4	0	5	6	1	2	3	3	4	No significant change
	rate	0.9	3.8	0.0	4.8	5.8	1.0	1.9	2.9	2.9	3.9	
Benzie-Leelanau	count	0	0	0	0	2	0	0	0	0	1	No significant change
	rate	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0	2.4	
Berrien County	count	5	3	0	3	8	2	3	4	2	3	No significant change
	rate	3.2	1.9	0.0	1.9	5.2	1.3	1.9	2.6	1.3	2.0	
Branch-Hillsdale-St. Joseph	count	4	1	2	4	1	2	1	5	9	9	19.8%
	rate	2.7	0.7	1.3	2.7	0.7	1.3	0.7	3.3	6.0	5.9	(6.2%-35.0%)
Calhoun County	count	4	0	1	3	1	5	7	12	13	12	31.6%
	rate	3.0	0.0	0.7	2.2	0.7	3.7	5.2	9.0	9.7	9.0	(18.4%-46.0%)
Central Michigan District	count	2	1	1	3	11	6	3	5	4	2	No significant change
	rate	1.1	0.5	0.5	1.6	5.8	3.2	1.6	2.7	2.2	1.1	
Chippewa County	count	0	0	0	0	2	4	1	1	1	2	No significant change
	rate	0.0	0.0	0.0	0.0	5.3	10.7	2.7	2.8	2.8	5.5	
Delta-Menominee	count	0	0	0	0	0	0	0	1	0	1	No significant change
	rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	1.7	
Detroit City ²	count	147	115	105	118	218	249	302	357	337	227	17.8%
	rate	18.8	15.0	13.9	15.6	29.0	33.3	40.5	49.2	47.0	31.7	(12.2%-24.0%)
Dickinson-Iron	count	0	0	0	0	0	0	0	1	1	0	No significant change
	rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	0.0	
District 2	count	0	0	0	1	0	0	1	0	0	0	No significant change
	rate	0.0	0.0	0.0	1.5	0.0	0.0	1.6	0.0	0.0	0.0	
District 4	count	0	0	1	0	3	2	1	0	1	1	No significant change
	rate	0.0	0.0	1.3	0.0	3.9	2.6	1.3	0.0	1.3	1.3	
District 10	count	3	5	2	3	4	2	4	5	12	4	No significant change
	rate	1.2	1.9	0.8	1.1	1.5	0.8	1.5	1.9	4.5	1.5	

2 - Detroit LHD refers to Detroit City and Hamtramck, Highland Park, the Grosse Points, and Harper Woods. Wayne LHD covers Western Wayne County for STIs.

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By residence at diagnosis (local health jurisdiction)

		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Avg. Annual Change
<i>rates displayed per 100,000 population</i>												
Genesee County	<i>count</i>	9	12	16	21	10	23	26	18	41	42	16.9%
	<i>rate</i>	2.2	2.9	3.9	5.2	2.5	5.7	6.4	4.4	10.2	10.5	(10.5%-24.0%)
Grand Traverse County	<i>count</i>	2	0	1	2	0	6	4	1	1	0	No significant change
	<i>rate</i>	2.2	0.0	1.1	2.2	0.0	6.4	4.2	1.0	1.0	0.0	No significant change
Huron County	<i>count</i>	0	1	1	0	0	0	1	1	0	0	No significant change
	<i>rate</i>	0.0	3.1	3.2	0.0	0.0	0.0	3.2	3.2	0.0	0.0	No significant change
Ingham County	<i>count</i>	9	11	14	29	28	26	33	21	22	34	10.9%
	<i>rate</i>	3.1	3.8	4.8	9.9	9.6	8.9	11.6	7.7	7.8	11.9	(4.2%-18.0%)
Ionia County	<i>count</i>	0	2	1	0	1	5	2	3	2	3	No significant change
	<i>rate</i>	0.0	3.1	1.6	0.0	1.6	7.7	3.0	4.5	3.0	4.5	No significant change
Jackson County	<i>count</i>	6	5	3	8	9	6	9	4	9	28	16.1%
	<i>rate</i>	3.8	3.1	1.9	5.0	5.7	3.8	5.6	2.5	5.6	17.6	(4.7%-29.0%)
Kalamazoo County	<i>count</i>	8	7	5	8	12	20	29	67	44	72	37.2%
	<i>rate</i>	3.1	2.7	1.9	3.0	4.5	7.5	11.1	25.7	16.9	27.5	(26.9%-48.0%)
Kent County	<i>count</i>	9	17	26	34	29	25	37	64	51	69	18.4%
	<i>rate</i>	1.4	2.7	4.0	5.2	4.4	3.8	5.6	9.7	7.7	10.4	(12.9%-24.0%)
Lapeer County	<i>count</i>	1	2	0	1	2	1	2	1	3	4	No significant change
	<i>rate</i>	1.1	2.3	0.0	1.1	2.3	1.1	2.3	1.1	3.4	4.5	No significant change
Lenawee County	<i>count</i>	1	2	0	4	5	1	1	2	3	4	No significant change
	<i>rate</i>	1.0	2.0	0.0	4.1	5.1	1.0	1.0	2.0	3.1	4.1	No significant change
Livingston County	<i>count</i>	4	3	4	2	1	2	5	3	3	6	No significant change
	<i>rate</i>	2.2	1.6	2.1	1.1	0.5	1.0	2.6	1.5	1.5	3.0	No significant change
Luce-Mack-Alger-School	<i>count</i>	0	0	1	1	0	0	0	0	0	0	No significant change
	<i>rate</i>	0.0	0.0	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	No significant change
Macomb County	<i>count</i>	30	38	27	44	73	55	79	91	74	76	12.6%
	<i>rate</i>	3.5	4.4	3.1	5.1	8.4	6.3	9.0	10.4	8.5	8.7	(7.5%-18.0%)
Marquette County	<i>count</i>	0	2	0	0	0	1	0	0	4	2	No significant change
	<i>rate</i>	0.0	3.0	0.0	0.0	0.0	1.5	0.0	0.0	6.0	3.0	No significant change
Mid-Michigan District	<i>count</i>	0	1	2	3	3	3	4	3	7	4	19.5%
	<i>rate</i>	0.0	0.6	1.1	1.6	1.6	1.6	2.1	1.6	3.7	2.1	(4.4%-37.0%)
Midland County	<i>count</i>	1	0	1	1	0	3	1	0	4	3	22.5%
	<i>rate</i>	1.2	0.0	1.2	1.2	0.0	3.6	1.2	0.0	4.8	3.6	(0.2%-50.0%)

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By residence at diagnosis (local health jurisdiction)

		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Avg. Annual Change
<i>rates displayed per 100,000 population</i>												
Monroe County	<i>count</i>	1	5	6	10	6	4	1	3	5	2	No significant change
	<i>rate</i>	0.7	3.3	4.0	6.7	4.0	2.7	0.6	1.9	3.2	1.3	
Muskegon County	<i>count</i>	5	1	2	4	0	1	3	5	20	11	22.2% (3.5%-44.0%)
	<i>rate</i>	2.9	0.6	1.2	2.3	0.0	0.6	1.7	2.8	11.4	6.2	
Northwest MI Com Hlth Agency	<i>count</i>	0	2	1	4	2	3	0	2	2	4	No significant change
	<i>rate</i>	0.0	1.9	0.9	3.7	1.9	2.8	0.0	1.8	1.8	3.6	
Oakland County	<i>count</i>	73	64	64	62	87	88	77	120	115	85	5.7% (2.2%-9.0%)
	<i>rate</i>	5.9	5.1	5.1	4.9	6.9	7.0	6.1	9.4	9.0	6.7	
Ottawa County	<i>count</i>	5	4	5	1	6	3	7	8	4	9	No significant change
	<i>rate</i>	1.8	1.4	1.8	0.3	2.1	1.0	2.4	2.7	1.3	3.0	
Saginaw County	<i>count</i>	4	3	2	2	2	4	4	8	14	7	20.2% (7.8%-34.0%)
	<i>rate</i>	2.0	1.6	1.0	1.0	1.0	2.1	2.1	4.2	7.4	3.7	
Sanilac County	<i>count</i>	0	0	2	0	0	1	1	0	0	0	No significant change
	<i>rate</i>	0.0	0.0	4.8	0.0	0.0	2.4	2.5	0.0	0.0	0.0	
Shiawassee County	<i>count</i>	0	1	0	1	2	0	6	1	3	3	27.4% (1.9%-59.0%)
	<i>rate</i>	0.0	1.5	0.0	1.5	2.9	0.0	8.8	1.5	4.4	4.4	
St Clair County	<i>count</i>	3	2	3	2	5	4	7	9	7	10	18.9% (7.4%-32.0%)
	<i>rate</i>	1.9	1.3	1.9	1.3	3.1	2.5	4.4	5.6	4.4	6.3	
Tuscola County	<i>count</i>	0	0	0	0	0	0	1	0	0	0	No significant change
	<i>rate</i>	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	
Van Buren-Cass	<i>count</i>	0	0	1	1	1	2	4	3	4	2	27.3% (5.9%-53.0%)
	<i>rate</i>	0.0	0.0	0.8	0.8	0.8	1.6	3.1	2.4	3.1	1.6	
Washtenaw County	<i>count</i>	25	27	17	28	25	24	31	35	41	24	No significant change
	<i>rate</i>	6.9	7.4	4.6	7.6	6.7	6.5	8.3	9.6	11.2	6.6	
Wayne County ³	<i>count</i>	64	54	56	60	85	89	71	99	87	59	No significant change
	<i>rate</i>	6.5	5.4	5.6	6.0	8.5	8.9	6.8	9.4	8.4	5.7	
Western UP District	<i>count</i>	0	1	0	0	0	0	1	0	4	1	No significant change
	<i>rate</i>	0.0	1.5	0.0	0.0	0.0	0.0	1.5	0.0	5.9	1.5	

3 - Excludes the City of Detroit

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<i>rates displayed per 100,000 population</i>		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Avg. Annual Change
Michigan Total	<i>count</i>	678	694	766	810	1036	1213	1234	1661	1822	2178	14.6%
	<i>rate</i>	6.8	7.0	7.7	8.1	10.4	12.2	12.3	16.5	18.2	21.7	(13.0%-16.2%)

By Age¹

		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Avg. Annual Change
Less than 15 years	<i>count</i>	1	0	0	0	1	0	2	0	1	0	No significant change
	<i>rate</i>	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	
15-19 years	<i>count</i>	23	26	39	32	45	46	36	54	61	61	11.4%
	<i>rate</i>	3.4	3.9	5.8	4.8	6.9	7.1	5.5	8.4	9.5	9.4	(7.7%-15.3%)
20-24 years	<i>count</i>	138	144	126	118	150	157	162	246	244	309	11.8%
	<i>rate</i>	18.6	19.6	17.6	16.7	21.6	23.0	24.0	36.9	36.6	46.3	(8.3%-15.4%)
25-29 years	<i>count</i>	114	117	168	165	209	293	235	297	365	373	14.8%
	<i>rate</i>	18.8	18.6	25.6	24.3	30.1	42.0	34.7	44.8	56.3	58.4	(12.4%-17.2%)
30-39 years	<i>count</i>	162	189	179	232	296	348	384	595	620	812	19.1%
	<i>rate</i>	13.9	16.2	15.2	19.5	24.6	28.7	30.8	46.9	48.4	62.7	(16.8%-21.5%)
40-49 years	<i>count</i>	145	139	152	161	198	199	232	244	287	337	11.5%
	<i>rate</i>	11.3	11.1	12.4	13.3	16.6	16.9	19.5	20.8	24.5	28.7	(9.9%-13.3%)
50-59 years	<i>count</i>	80	68	80	81	102	126	137	155	172	201	14.8%
	<i>rate</i>	5.4	4.7	5.6	5.8	7.4	9.3	10.1	11.6	13.1	15.7	(12.5%-17.2%)
60+ years	<i>count</i>	15	11	22	21	35	44	46	70	72	85	21.4%
	<i>rate</i>	0.7	0.5	1.0	0.9	1.5	1.8	1.9	2.8	2.8	3.2	(17.0%-26.0%)

By Race/Sex¹

		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Avg. Annual Change
Am Indian/AN Female	<i>count</i>	0	0	0	0	0	2	1	1	8	3	80.1%
	<i>rate</i>	0.0	0.0	0.0	0.0	0.0	7.0	3.5	3.5	28.0	10.5	(20.2%-169.9%)
Am Indian/AN Male	<i>count</i>	1	2	4	1	3	3	6	3	5	5	No significant change
	<i>rate</i>	3.6	7.2	14.4	3.6	10.7	10.7	21.3	10.6	17.6	17.6	
Asian/NH/PI Female	<i>count</i>	5	3	3	4	4	2	4	1	4	6	No significant change
	<i>rate</i>	3.4	1.9	1.9	2.4	2.4	1.2	2.3	0.6	2.3	20.9	
Asian/NH/PI Male	<i>count</i>	8	6	11	9	11	10	7	17	12	17	No significant change
	<i>rate</i>	5.7	4.1	7.1	5.6	6.7	6.0	4.1	10.0	6.9	59.7	
Black Female	<i>count</i>	126	119	84	103	118	173	171	255	273	342	14.2%
	<i>rate</i>	17.4	16.5	11.6	14.3	16.3	23.9	23.5	35.1	37.7	1193.1	(9.6%-19.0%)
Black Male	<i>count</i>	304	298	361	365	465	519	498	668	716	839	12.5%
	<i>rate</i>	46.4	45.6	55.2	55.9	71.2	79.6	74.9	101.0	108.9	2947.7	(10.9%-14.1%)
Hispanic Female	<i>count</i>	12	7	4	12	9	16	22	23	36	69	24.7%
	<i>rate</i>	5.1	2.9	1.6	4.8	3.5	6.1	7.9	8.2	12.5	240.7	(15.4%-34.7%)
Hispanic Male	<i>count</i>	25	31	33	49	62	67	72	75	92	151	16.2%
	<i>rate</i>	10.3	12.5	13.0	18.9	23.4	24.7	24.9	25.6	30.7	530.5	(12.3%-20.3%)
Multi/Other Female	<i>count</i>	4	4	5	0	0	6	6	12	12	13	20.0%
	<i>rate</i>	3.9	3.8	4.6	0.0	0.0	5.2	5.0	9.8	9.7	45.4	(9.0%-32.0%)
Multi/other Male	<i>count</i>	10	11	8	5	15	11	14	44	32	34	17.8%
	<i>rate</i>	10.0	10.7	7.6	4.6	13.5	9.7	11.9	36.7	26.1	119.5	(8.4%-28.1%)
White Female	<i>count</i>	28	32	30	37	51	79	100	167	198	240	33.0%
	<i>rate</i>	0.7	0.8	0.8	1.0	1.3	2.1	2.7	4.5	5.3	837.3	(29.1%-36.9%)
White Male	<i>count</i>	143	167	210	211	297	316	315	355	387	404	11.9%
	<i>rate</i>	3.9	4.5	5.7	5.7	8.0	8.6	8.5	9.6	10.5	1419.4	(9.8%-14.1%)

1 - Cases with missing data for characteristics were omitted from the respective analyses

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By Exposure Factor (population denominators not available)

		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Avg. Annual Change
Het Female	count	110	109	96	118	145	194	214	325	387	409	19.4%
<i>(Women who have sex with men)</i>												
Het Male	count	87	78	100	100	127	157	180	174	228	169	11.7%
<i>(Men who have sex with women only)</i>												
MSM	count	259	290	341	383	487	532	445	522	483	347	5.8%
<i>(Men who have sex with men)</i>												
PWID	count	5	10	7	9	23	38	34	24	25	29	20.1%
<i>(People who inject drugs)</i>												

By residence at diagnosis (local health jurisdiction)

		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Avg. Annual Change
<i>rates displayed per 100,000 population</i>												
Allegan County	count	1	5	6	4	6	5	8	7	12	11	15.2%
	rate	0.9	4.4	5.2	3.4	5.1	4.2	6.6	5.8	9.9	9.0	(5.3%-26.0%)
Barry-Eaton	count	3	4	2	6	11	18	11	15	11	25	22.9%
	rate	1.8	2.4	1.2	3.5	6.4	10.5	6.4	8.7	6.4	14.5	(12.6%-34.0%)
Bay County	count	2	2	2	4	8	3	1	9	5	6	12.7%
	rate	1.9	1.9	1.9	3.8	7.7	2.9	1.0	8.7	4.9	5.9	(0.0%-27.0%)
Benzie-Leelanau	count	1	0	0	0	0	0	3	2	0	2	No significant change
	rate	2.6	0.0	0.0	0.0	0.0	0.0	7.4	4.9	0.0	4.8	
Berrien County	count	7	6	5	14	17	7	6	8	16	16	No significant change
	rate	4.5	3.9	3.2	9.1	11.0	4.6	3.9	5.2	10.5	10.5	
Branch-Hillsdale-St. Joseph	count	1	1	5	5	5	6	2	1	13	7	16.4%
	rate	0.7	0.7	3.3	3.3	3.3	4.0	1.3	0.7	8.6	4.6	(0.6%-35.0%)
Calhoun County	count	8	2	8	5	6	14	13	17	18	31	23.6%
	rate	5.9	1.5	6.0	3.7	4.5	10.5	9.7	12.7	13.5	23.2	(15.4%-32.0%)
Central Michigan District	count	4	2	3	2	3	2	10	5	14	3	15.8%
	rate	2.1	1.1	1.6	1.1	1.6	1.1	5.5	2.7	7.6	1.6	(0.7%-33.0%)
Chippewa County	count	1	0	0	1	7	4	2	2	3	3	No significant change
	rate	2.6	0.0	0.0	2.7	18.7	10.7	5.4	5.6	8.3	8.3	
Delta-Menominee	count	0	0	0	0	0	2	1	1	3	3	58.6%
	rate	0.0	0.0	0.0	0.0	0.0	3.4	1.7	1.7	5.0	5.0	(14.3%-120.0%)
Detroit City ²	count	292	271	281	308	370	441	453	598	595	682	12.6%
	rate	37.3	35.4	37.1	40.8	49.3	58.9	60.7	82.4	83.0	95.1	(10.2%-15.0%)
Dickinson-Iron	count	0	0	0	0	1	0	2	3	1	0	No significant change
	rate	0.0	0.0	0.0	0.0	2.7	0.0	5.3	8.0	2.7	0.0	
District 2	count	2	0	0	0	1	1	0	1	0	3	No significant change
	rate	3.1	0.0	0.0	0.0	1.5	1.5	0.0	1.5	0.0	4.6	
District 4	count	0	2	1	2	0	1	0	0	0	2	No significant change
	rate	0.0	2.6	1.3	2.6	0.0	1.3	0.0	0.0	0.0	2.6	
District 10	count	5	5	3	2	6	13	18	21	11	13	19.8%
	rate	1.9	1.9	1.1	0.8	2.3	4.9	6.9	7.9	4.1	4.8	(7.6%-33.0%)

2 - Detroit LHD refers to Detroit City and Hamtramck, Highland Park, the Grosse Points, and Harper Woods. Wayne LHD covers Western Wayne County for STIs.

Annual Review of STI Trends in Michigan, 2014 - 2023 - Latent Syphilis

By residence at diagnosis (local health jurisdiction)

		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Avg. Annual Change
<i>rates displayed per 100,000 population</i>												
Genesee County	<i>count</i>	25	25	26	29	25	36	42	43	77	114	0.0%
	<i>rate</i>	6.1	6.1	6.4	7.1	6.1	8.9	10.4	10.6	19.2	28.4	(0.0%-0.0%)
Grand Traverse County	<i>count</i>	0	0	0	0	3	2	2	3	6	3	38.5%
	<i>rate</i>	0.0	0.0	0.0	0.0	3.2	2.1	2.1	3.1	6.2	3.1	(13.5%-69.0%)
Huron County	<i>count</i>	2	0	0	0	0	0	0	0	2	0	No significant change
	<i>rate</i>	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	0.0	No significant change
Ingham County	<i>count</i>	17	11	15	28	57	53	48	60	50	67	19.6%
	<i>rate</i>	5.9	3.8	5.2	9.6	19.6	18.2	16.9	22.1	17.6	23.5	(11.5%-28.0%)
Ionia County	<i>count</i>	1	3	0	3	2	5	0	3	5	4	No significant change
	<i>rate</i>	1.6	4.7	0.0	4.7	3.1	7.7	0.0	4.5	7.5	6.0	No significant change
Jackson County	<i>count</i>	14	5	10	8	17	28	33	44	92	119	39.4%
	<i>rate</i>	8.8	3.1	6.3	5.0	10.7	17.7	20.6	27.5	57.6	74.6	(29.6%-50.0%)
Kalamazoo County	<i>count</i>	9	12	19	22	23	25	32	67	62	83	27.3%
	<i>rate</i>	3.5	4.6	7.3	8.4	8.7	9.4	12.2	25.7	23.8	31.7	(21.8%-33.0%)
Kent County	<i>count</i>	40	36	58	70	67	80	105	96	103	152	14.4%
	<i>rate</i>	6.3	5.6	9.0	10.8	10.3	12.2	15.9	14.6	15.6	23.0	(11.3%-17.0%)
Lapeer County	<i>count</i>	1	1	1	0	3	1	7	1	2	7	24.0%
	<i>rate</i>	1.1	1.1	1.1	0.0	3.4	1.1	7.9	1.1	2.3	7.9	(3.0%-49.0%)
Lenawee County	<i>count</i>	1	3	2	2	10	0	5	7	6	12	21.1%
	<i>rate</i>	1.0	3.0	2.0	2.0	10.2	0.0	5.0	7.1	6.1	12.3	(5.1%-39.0%)
Livingston County	<i>count</i>	1	1	3	3	3	9	3	7	12	7	22.5%
	<i>rate</i>	0.5	0.5	1.6	1.6	1.6	4.7	1.5	3.6	6.1	3.6	(9.3%-37.0%)
Luce-Mack-Alger-School	<i>count</i>	0	0	2	1	0	2	2	0	2	3	No significant change
	<i>rate</i>	0.0	0.0	5.9	2.9	0.0	5.9	5.9	0.0	5.9	8.8	No significant change
Macomb County	<i>count</i>	47	70	52	61	69	81	82	137	130	159	14.0%
	<i>rate</i>	5.4	8.1	6.0	7.0	7.9	9.3	9.3	15.6	14.9	18.2	(10.4%-18.0%)
Marquette County	<i>count</i>	0	0	1	0	0	2	1	2	2	3	38.9%
	<i>rate</i>	0.0	0.0	1.5	0.0	0.0	3.0	1.5	3.0	3.0	4.5	(7.1%-80.0%)
Mid-Michigan District	<i>count</i>	3	2	3	4	2	6	14	11	10	14	23.5%
	<i>rate</i>	1.7	1.1	1.7	2.2	1.1	3.3	7.5	5.8	5.3	7.4	(12.7%-35.0%)
Midland County	<i>count</i>	1	0	1	2	2	3	1	2	3	3	No significant change
	<i>rate</i>	1.2	0.0	1.2	2.4	2.4	3.6	1.2	2.4	3.6	3.6	No significant change

Annual Review of STI Trends in Michigan, 2014 - 2023 - Latent Syphilis

By residence at diagnosis (local health jurisdiction)

		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Avg. Annual Change
<i>rates displayed per 100,000 population</i>												
Monroe County	<i>count</i>	6	3	7	5	5	5	7	9	12	9	9.5%
	<i>rate</i>	4.0	2.0	4.7	3.3	3.3	3.3	4.5	5.8	7.7	5.8	(0.6%-19.0%)
Muskegon County	<i>count</i>	7	9	9	9	18	12	8	15	39	25	16.9%
	<i>rate</i>	4.1	5.2	5.2	5.2	10.4	6.9	4.6	8.5	22.2	14.2	(7.8%-27.0%)
Northwest MI Com Hlth Agency	<i>count</i>	0	1	1	3	3	3	7	4	3	5	19.5%
	<i>rate</i>	0.0	0.9	0.9	2.8	2.8	2.8	6.4	3.6	2.7	4.5	(4.4%-37.0%)
Oakland County	<i>count</i>	76	86	104	85	127	149	138	196	181	204	11.7%
	<i>rate</i>	6.1	6.9	8.3	6.8	10.1	11.8	10.8	15.4	14.2	16.1	(9.2%-14.0%)
Ottawa County	<i>count</i>	2	6	7	5	8	11	16	18	19	18	19.8%
	<i>rate</i>	0.7	2.1	2.5	1.7	2.8	3.8	5.4	6.0	6.3	5.9	(11.6%-29.0%)
Saginaw County	<i>count</i>	3	4	8	4	7	8	6	10	33	26	28.7%
	<i>rate</i>	1.5	2.1	4.2	2.1	3.7	4.2	3.2	5.3	17.5	13.8	(16.7%-42.0%)
Sanilac County	<i>count</i>	3	0	0	2	0	2	0	0	1	2	No significant change
	<i>rate</i>	7.2	0.0	0.0	4.8	0.0	4.9	0.0	0.0	2.5	5.0	No significant change
Shiawassee County	<i>count</i>	2	0	0	0	0	2	4	9	4	3	34.5%
	<i>rate</i>	2.9	0.0	0.0	0.0	0.0	2.9	5.9	13.2	5.9	4.4	(6.3%-70.0%)
St Clair County	<i>count</i>	4	5	5	5	4	6	5	9	10	16	16.2%
	<i>rate</i>	2.5	3.1	3.1	3.1	2.5	3.8	3.1	5.6	6.3	10.0	(6.5%-27.0%)
Tuscola County	<i>count</i>	0	0	0	0	1	0	1	1	1	1	No significant change
	<i>rate</i>	0.0	0.0	0.0	0.0	1.9	0.0	1.9	1.9	1.9	1.9	No significant change
Van Buren-Cass	<i>count</i>	0	3	3	2	4	4	9	7	1	14	23.8%
	<i>rate</i>	0.0	2.4	2.4	1.6	3.3	3.1	7.1	5.5	0.8	11.0	(7.0%-43.0%)
Washtenaw County	<i>count</i>	19	27	32	27	28	52	30	39	69	78	14.3%
	<i>rate</i>	5.3	7.4	8.7	7.3	7.6	14.1	8.1	10.7	18.8	21.3	(8.8%-20.0%)
Wayne County ³	<i>count</i>	66	79	79	73	107	109	95	168	179	215	14.1%
	<i>rate</i>	6.7	7.9	7.9	7.3	10.7	10.9	9.1	16.0	17.2	20.8	(10.6%-18.0%)
Western UP District	<i>count</i>	1	1	1	4	0	0	1	3	4	5	20.4%
	<i>rate</i>	1.4	1.5	1.5	5.9	0.0	0.0	1.5	4.4	5.9	7.3	(2.1%-42.0%)

3 - Excludes the City of Detroit

Appendix: LHD Population Estimates (from the Census Bureau's annual American Community Survey)

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<i>Michigan</i>	9,932,033	9,934,069	9,953,694	9,976,752	9,981,516	9,982,097	10,070,627	10,038,117	10,032,578	10,037,261
Allegan County	113,361	114,122	115,018	116,393	117,137	118,045	120,669	121,068	121,290	121,939
Barry-Eaton	167,973	168,135	169,021	170,168	170,879	171,600	171,773	172,049	172,256	172,628
Bay County	106,073	105,271	104,421	104,085	103,674	102,964	103,742	103,108	102,638	102,500
Benzie-Leelanau	39,062	39,019	39,031	39,263	39,410	39,459	40,298	40,864	41,210	41,460
Berrien County	156,074	155,136	154,451	154,264	153,892	153,352	154,197	153,352	152,835	152,261
Branch-Hillsdale-St. Joseph	150,684	150,338	150,001	149,879	149,991	149,818	151,556	151,684	151,015	151,680
Calhoun County	134,845	134,377	134,343	134,127	133,858	133,806	134,200	133,878	133,424	133,366
Central Michigan District	188,900	189,030	188,862	188,838	188,567	188,273	182,121	182,719	183,378	183,625
Chippewa County	38,275	37,998	37,724	37,699	37,423	37,287	36,787	35,849	36,207	36,264
Delta-Menominee	60,127	59,925	59,434	58,914	58,795	58,516	60,321	60,142	60,006	59,735
Detroit City	782,493	765,137	757,990	754,183	751,228	748,559	745,712	726,003	717,156	717,156
Dickinson-Iron	37,262	37,002	36,699	36,565	36,525	34,758	37,538	37,429	37,648	37,722
District 2	65,158	64,424	64,334	64,608	64,684	64,948	64,391	64,739	65,180	65,397
District 4	76,808	76,219	76,050	75,859	75,968	75,628	76,648	77,167	77,697	77,915
District 10	260,852	261,013	261,623	263,174	264,613	265,426	262,487	264,604	265,989	268,104
Genesee County	412,950	410,574	409,054	407,673	406,626	405,702	405,777	404,627	401,923	401,522
Grand Traverse County	90,908	91,610	92,076	91,914	92,587	93,032	95,425	95,969	96,298	96,421
Huron County	32,034	31,761	31,471	31,304	31,193	30,904	31,364	31,307	31,145	30,927
Ingham County	285,760	287,255	289,633	291,678	291,267	291,426	284,675	271,224	283,477	284,637
Ionia County	64,246	64,073	64,215	64,293	64,290	64,654	66,870	66,823	66,836	66,262
Jackson County	159,464	159,325	158,345	158,653	158,594	158,357	160,231	160,162	159,758	159,424
Kalamazoo County	259,063	259,816	261,584	263,387	265,120	265,531	261,796	260,523	260,892	262,215
Kent County	631,464	637,333	644,219	649,722	653,636	656,800	658,492	658,852	658,920	661,354
Lapeer County	88,202	88,376	88,227	88,218	87,987	87,808	88,583	88,662	88,632	88,977
Lenawee County	98,774	98,432	98,595	98,511	98,118	98,519	99,325	99,100	98,280	97,520
Livingston County	185,567	187,221	188,585	189,923	191,259	192,058	193,968	195,333	196,134	196,757
Luce-Mack-Alger-School	34,906	34,628	34,135	34,292	34,238	33,894	34,127	33,706	34,183	34,192
Macomb County	862,914	865,031	868,329	870,867	872,089	872,389	880,238	877,646	874,235	875,101
Marquette County	67,798	67,357	66,563	66,524	66,406	66,689	66,012	65,739	66,548	66,999
Midland County	83,534	83,706	83,485	83,442	83,447	83,412	83,478	83,479	83,762	84,039
Mid-Michigan District	181,255	181,148	181,564	183,081	183,665	184,004	187,488	188,070	187,965	189,242
Monroe County	149,919	149,439	149,278	149,523	150,218	150,412	154,896	155,534	155,235	155,045
Muskegon County	172,304	172,506	173,342	173,804	173,719	173,645	174,784	175,550	175,539	176,564
Northwest MI Com Hlth Agency	106,464	106,395	106,634	107,127	107,429	107,562	108,745	109,699	110,214	110,438
Oakland County	1,243,076	1,244,895	1,251,563	1,256,478	1,257,472	1,257,726	1,272,493	1,272,630	1,271,025	1,270,426
Ottawa County	277,888	280,907	283,686	286,452	289,578	291,460	296,907	298,393	300,918	303,372
Saginaw County	195,317	193,384	192,636	192,002	190,841	190,484	189,882	189,516	188,373	187,782
Sanilac County	41,663	41,463	41,438	41,257	41,233	41,220	40,499	40,528	40,482	40,368
Shiawassee County	68,841	68,538	68,589	68,422	68,064	68,065	68,010	67,991	67,967	68,025
St Clair County	160,103	159,757	159,477	159,130	159,186	159,339	160,380	160,205	159,668	159,874
Tuscola County	53,921	53,723	53,260	52,817	52,692	52,355	53,312	53,034	52,908	52,826
Van Buren-Cass	126,836	126,457	126,609	126,830	121,437	127,441	127,133	127,205	127,146	127,440
Washtenaw County	360,523	363,555	366,960	369,703	370,548	368,242	371,834	365,013	366,504	365,536
Wayne County	989,133	999,729	1,002,845	1,003,691	1,004,640	1,001,534	1,043,874	1,048,804	1,041,786	1,034,013
Western UP District	69,259	68,529	68,295	68,015	67,293	64,994	67,589	68,138	67,896	68,211

* Complete city population estimates are released by the Census Bureau on a different schedule than county estimates, and the 2023 population estimate shown for Detroit LHD is not yet available, so 2022 data is used.