

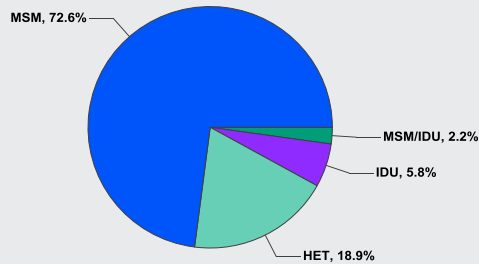
# Michigan – State Health Profile

## HIV/AIDS Epidemic

In 2015, an estimated 39,393 people in the United States were diagnosed with HIV, the virus that causes AIDS. About 1 in 7 people with HIV in the United States do not know that they are infected.

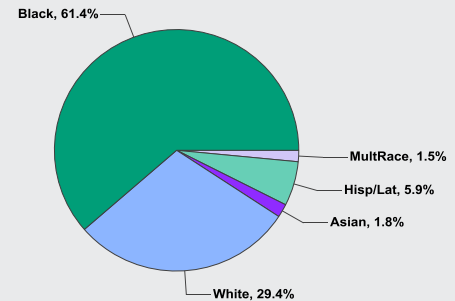
In 2015, an estimated 725 adults and adolescents were diagnosed with HIV in Michigan. Michigan ranked 14th among the 50 states in the number of HIV diagnoses in 2015.

**Estimated adults and adolescents diagnosed with HIV, by transmission category, Michigan, 2015**



\*MSM, men who have sex with men; IDU, injection drug users; MSM/IDU, men who have sex with men who also inject drugs; HET, Heterosexuals  
 \*\*Other: <0.552%

**Estimated adults and adolescents diagnosed with HIV, by race/ethnicity, Michigan, 2015**



\*AI/AN, American Indian/Alaska Native; Black, Black/African American; Hisp/Lat, Hispanic/Latino; MultRace, Multiple races; NH/PI, Native Hawaiian/Other Pacific Islander; Unk, Unknown

## Adolescent and School Health

Many young people engage in sexual risk behaviors that can result in unintended health outcomes. Sexual risk behaviors place adolescents at risk for HIV infection, other sexually transmitted diseases, and unintended pregnancy. However, there has been a nationwide decrease in the percentage of adolescents who have ever had sex; in 2015 among high school students in Michigan:

- 16.9% of 9<sup>th</sup> graders have reported ever having sex in 2015 compared to 33.8% in 2005.
- 32% of 10<sup>th</sup> graders have reported ever having sex in 2015 compared to 34.4% in 2005.

## Sexually Transmitted Diseases (STDs)

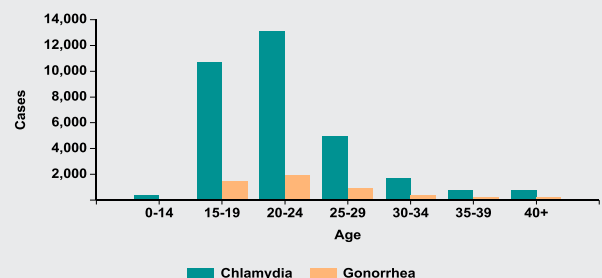
**Syphilis** – Primary and secondary (P&S) syphilis (the stages in which syphilis is most infectious) remains a health problem, primarily among men who have sex with men, but congenital transmission of syphilis from infected mothers to their unborn children persists in many areas of the country.

- In Michigan, the rate of primary and secondary syphilis was 2.9 per 100,000 in 2011 and 4.1 per 100,000 in 2015. Michigan now ranks 33rd in rates of P&S syphilis among 50 states.
- There were 50 cases of congenital syphilis from 2011 through 2015.

**Chlamydia and Gonorrhea** – Untreated STDs are a common cause of pelvic inflammatory disease, infertility and chronic pelvic pain. In addition, they can increase the spread of HIV, and cause cancer. Pregnant women and newborns are particularly vulnerable. In 2015, Michigan:

- Ranked 21st among 50 states in chlamydial infections (469.1 per 100,000 persons) and ranked 26th among 50 states in gonorrheal infections (104.2 per 100,000 persons).
- Reported rates of chlamydia among women (643.2 cases per 100,000) that were 2.2 times greater than those among men (287.9 cases per 100,000).

**Chlamydia and Gonorrhea among Women by Age Group, Michigan, 2015**



\*Chlamydia: [0-14: 361] [15-19: 10,698] [20-24: 13,111] [25-29: 4,968] [30-34: 1,712] [35-39: 763] [40+: 773]  
 \*\*Gonorrhea: [0-14: 64] [15-19: 1,471] [20-24: 1,951] [25-29: 905] [30-34: 392] [35-39: 196] [40+: 208]



## Tuberculosis (TB)

Although the overall rate of TB in the United States has declined substantially since 1992, the rate of decrease among foreign-born persons has been much smaller than that for U.S.-born persons. In 2015, Michigan:

- Ranked 38th among the 50 states in TB rates (1.3 per 100,000 persons).
- 64.12% of TB cases occurred in foreign-born persons.

## Hepatitis A, B, and C Virus (HAV, HBV, HCV)

While acute hepatitis A virus and acute hepatitis B virus (HBV) infections have generally been declining in incidence since 1990 mainly due to effective vaccination strategies, the number of cases increased in 2015 compared to 2014.

Reported cases of acute hepatitis C virus (HCV) infection also continued to increase in 2015, more than 2.9-fold from 2011–2015. Approximately 4.4 million people are living with HBV and HCV infection; most do not know they are infected. Lifelong infections with HBV and HCV are shown to be major risk factors for liver cancer. In Michigan, between 2011 and 2015:

- Reported rates of acute hepatitis A decreased by 29%.
- Reported rates of acute hepatitis B decreased by 33%.
- Reported rates of acute hepatitis C increased by 167%.

## Program Initiatives Supported by CDC

HIV/AIDS	\$9,212,125
STDs	\$2,994,104
TB	\$2,174,592
Viral Hepatitis	\$1,123,039

*Includes direct assistance.*

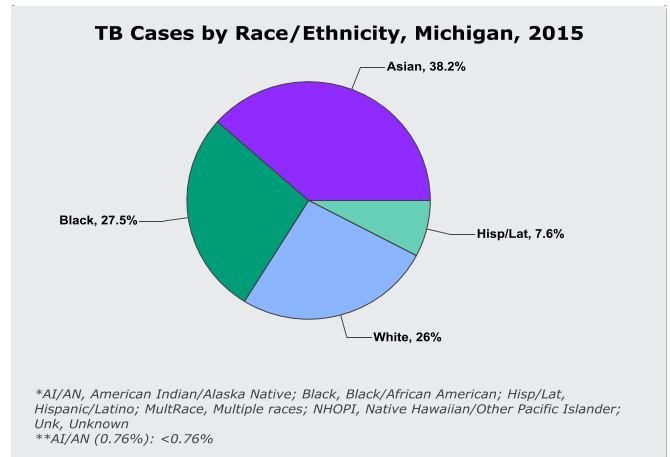
**HIV/AIDS** – CDC funds the Michigan State health department to implement cost-effective and scalable programs and policies that will have the greatest impact on HIV prevention in the state's most affected communities and regions. Funding supports evidence-based disease monitoring, service delivery, staff development, and routine program evaluation. CDC also

supports three community-based organizations. CDC funds the Michigan State education department for HIV prevention activities, to assess adolescent health-risk behaviors, and to increase access to youth-friendly health services and effective education programs to delay sexual initiation and prevent HIV infection and other STDs.

**STD** – In Michigan, CDC funds the state health department to reduce STDs through science-based prevention and control services that are high impact, scalable, cost effective, and sustainable.

**TB** – In Michigan, CDC funds the State and a local health department for TB prevention and control activities. These funds also support the identification and evaluation of persons exposed to TB, as well as laboratory services.

**Viral Hepatitis** – In Michigan, CDC supports projects to improve the delivery of primary and secondary viral hepatitis prevention services in health-care settings and public health programs that serve at-risk adults and adolescents. CDC also supports a cohort study of the population impact of current and evolving chronic viral hepatitis treatment. CDC supports auxiliary perinatal hepatitis B prevention projects to facilitate or enhance the success of current immunization practices to prevent mother-to-child transmission of hepatitis B. Additionally, CDC supports enhanced, active surveillance projects to monitor the burden of acute and chronic viral hepatitis.



## For More Information

Michigan: <http://www.michigan.gov/mdhhs> CDC: <http://www.cdc.gov/nchstp/>