

DASHBOARD ON ADOLESCENT SEXUAL HEALTH IN MICHIGAN

Prevention efforts have helped Michigan's overall teen birth rate and percentage of students who have ever had sex remain below the national average. However, the teen birth rate among Michigan's non-Hispanic Black population is still higher than the national rate and there was a nearly 10% increase in Michigan high school students reporting forced intercourse since the 2013 Youth Risk Behavior Survey cycle.

KEY INDICATORS



Michigan



United States



Behavioral Health Among High School Students	Year	Metric	5-year trend	Year	Metric	5-year Trend
Students who have ever had sex	2021	24.4% ¹	↓	2021	30.0% ²	↓
Students who have had recent sex (past 3 months)	2021	17.2% ¹	↓	2021	20.7% ²	↓
Students who used a condom during last intercourse	2021	55.9% ¹	↔	2021	51.8% ²	↓
Black students who have had recent sex (past 3 months)	2021	20.3% ¹	↔	2021	23.0% ²	↓
Hispanic students who have had recent sex (past 3 months)	2021	16.3% ¹	↓	2021	20.6% ²	↓
White students who have had recent sex (past 3 months)	2021	20.0% ¹	↓	2021	21.9% ²	↓
Students who have been physically forced to have sexual intercourse that they did not want	2021	9.6% ¹	↑	2021	8.5% ²	↔
Teen Births	Year	Metric	5-year Trend	Year	Metric	5-year Trend
Teen birth rate per 1,000 15-19-year-old females	2021	12.3 ³	↓	2021	14.4 ⁴	↓
Teen birth rate per 1,000 15-19-year-old non-Hispanic Black females	2021	24.9 ³	↓	2021	21.8 ⁴	↓
Teen birth rate per 1,000 15-19-year-old non-Hispanic white females	2021	8.7 ³	↓	2021	9.4 ⁴	↓
Teen birth rate per 1,000 15-19-year-old Hispanic females	2021	18.0 ³	↓	2021	21.1 ⁴	↓
Infant mortality rate per 1,000 infants born to mothers <20 years old	2021	11.5 ⁵	↔	2020	8.7 ⁶	↓
Repeat births to 15-19-year-old mothers	2021	23.2% ³	↔	2021	21.5% ⁶	↓
Premature births to 15-19-year-old mothers	2021	10.6% ³	↔	2021	10.6% ⁶	↓
Low birthweight births to 15-19-year-old mothers	2021	12.0% ³	↔	2021	10.5% ⁶	↓

↑ ↓ statistically significant trend (worsening) |
 ↑ ↓ statistically significant trend (improving) |
 ↔ no significant trend
test for trend significant at p<0.05

1. Centers for Disease Control and Prevention (CDC). Youth Online. 2013-2021 Michigan High School Youth Risk Behavior Survey Data. <https://nccd.cdc.gov/Youthonline/App/Results.aspx?LID=Ml>
 2. Centers for Disease Control and Prevention (CDC). Youth Online. 2013-2021 National High School Youth Risk Behavior Survey Data. <https://nccd.cdc.gov/Youthonline/App/Results.aspx?LID=XX>
 3. 2017-2021 Michigan Resident Birth File. Division for Vital Records & Health Statistics, Michigan Department of Health and Human Services.
 4. Martin JA, Hamilton BE, Osterman MJK. Births in the United States, 2021. NCHS Data Brief, no. 318. Hyattsville, MD: National Center for Health Statistics. 2018.
 5. Michigan Infant Death Statistics January 1 through December 31, 2021. Lansing, MI: Division for Vital Records & Health Statistics, Michigan Department of Health & Human Services. 2022.
 6. US Department of Health & Human Services (US DHHS), Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), Division of Vital Statistics. CDC WONDER Online Database, April 2023. <http://wonder.cdc.gov/nataliy-current.html>

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In the last five years, both the U.S. and Michigan have seen a significant decrease in chlamydia cases and rates among people ages 15-19 years; however, the opposite occurred for gonorrhea cases and rates. Although access to HIV PrEP among Michigan adolescents with indications for PrEP use lags the U.S., Michigan has seen a significant increase in those prescriptions among at-risk young people.

KEY INDICATORS



Michigan



United States



STIs Among Adolescents	Year	Metric	5-year Trend	Year	Metric	5-year Trend
Cases of chlamydia among 15-19-year-olds	2021	11,979 ⁷	↓	2020	386,550 ⁸	↓
Chlamydia rate per 100,000 15-19-year-olds	2021	1,890.6 ⁷	↓	2020	1,835.9 ⁸	↓
Chlamydia rate per 100,000 African-American 15-19-year-olds	2020	5,113.8 ⁸	↑	2020	4,109.9 ⁸	↓
Chlamydia rate per 100,000 Hispanic 15-19-year-olds	2020	918.1 ⁸	↔	2020	841.7 ⁸	↓
Chlamydia rate per 100,000 white 15-19-year-olds	2020	708.8 ⁸	↔	2020	736.2 ⁸	↓
Cases of gonorrhea among 15-19-year-olds	2021	3,665 ⁷	↑	2020	103,391 ⁸	↑
Gonorrhea rate per 100,000 15-19-year-olds	2021	578.4 ⁷	↑	2020	491.1 ⁸	↑
Gonorrhea rate per 100,000 African-American 15-19-year-olds	2020	2,364.1 ⁸	↑	2020	1,654.6 ⁸	↑
Gonorrhea rate per 100,000 Hispanic 15-19-year-olds	2020	258.1 ⁸	↑	2020	185.5 ⁸	↑
Gonorrhea rate per 100,000 white 15-19-year-olds	2020	145.8 ⁸	↑	2020	144.1 ⁸	↑
New HIV diagnosis rate per 100,000 13-24-year-olds	2020	13.7 ⁸	↓	2020	11.9 ⁸	↓
STI Risk Factors Among Adolescent Males who Have Sex with Males	Year	Metric	5-year Trend	Year	Metric	5-year Trend
Percentage of 16-24-year-olds with indications for PrEP [†] who are prescribed PrEP	2021	13.2% ⁸	↑	2021	19.7% ⁸	↑
Percentage of male high school students who have had sexual contact with other males and used condoms at last intercourse	2021	33.5% ¹	↔	2021	38.5% ²	↔ [‡]
Percentage of male high school students who have had sexual contact with other males and have been tested for HIV	2021	14.6% ¹	↔	2021	16.0% ²	↔ [‡]
statistically significant trend (worsening) statistically significant trend (improving) no significant trend <i>test for trend significant at p<0.05</i>						

[†] PrEP: Pre-Exposure Prophylaxis are medications prescribed to prevent getting HIV among people at high-risk of getting HIV

[‡] National YRBS did not include an item on sexes of sexual contacts until 2015 survey cycle, so there are only four survey cycles included in this trend analysis

7. Michigan Sexually Transmitted Diseases Database, STD & HIV Prevention Section, Bureau of Epidemiology, Michigan Department of Health & Human Services.

8. Centers for Disease Control & Prevention. NCHHSTP AtlasPlus. Updated 2023. <https://www.cdc.gov/nchhstp/atlas/index.htm>

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