# Commercial Tobacco Use Behavior Among Youth in Michigan



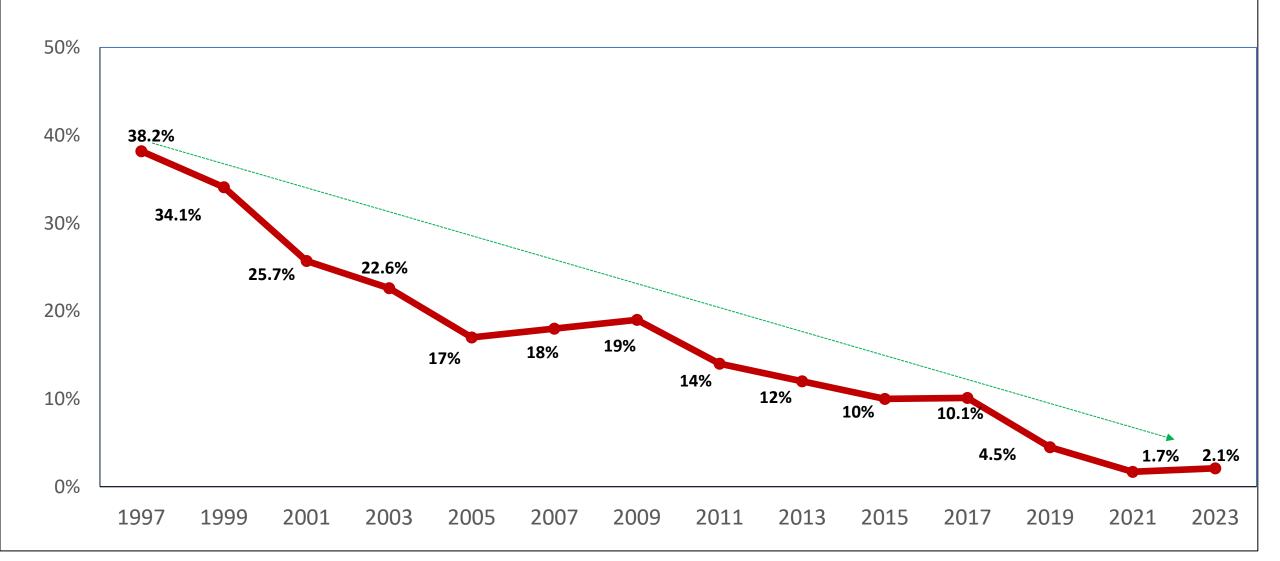
Farid Shamo - Epidemiologist & Program Evaluator Tobacco Control Program Michigan Department of Health and Human Services

shamof@michgan.gov

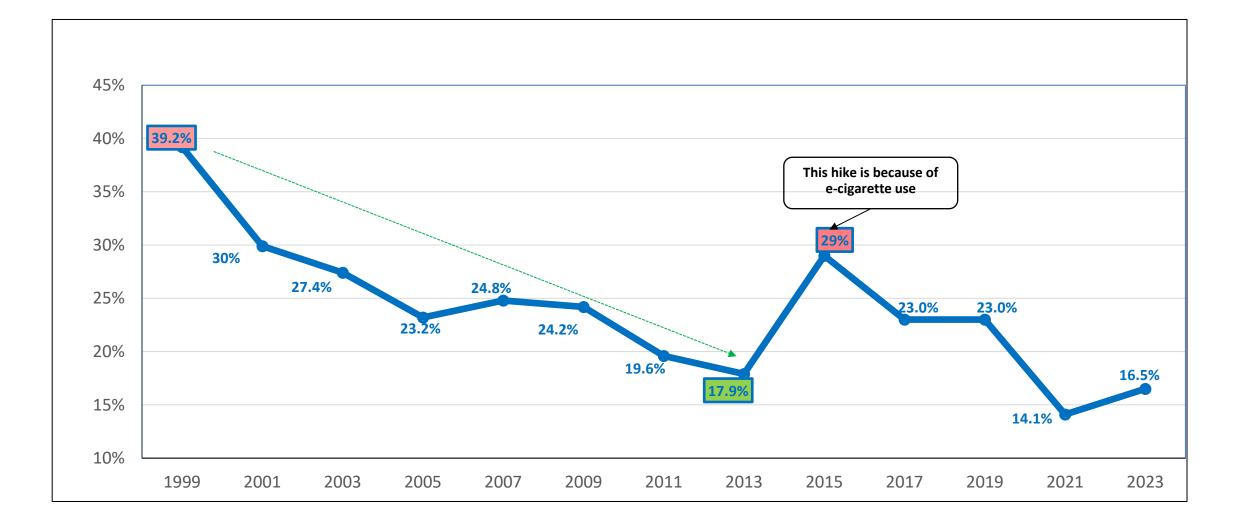


Current Cigarette Smoking Rates Among High School Students in Michigan from 1997-2023 Youth Risk Behavior Survey (YRBS)



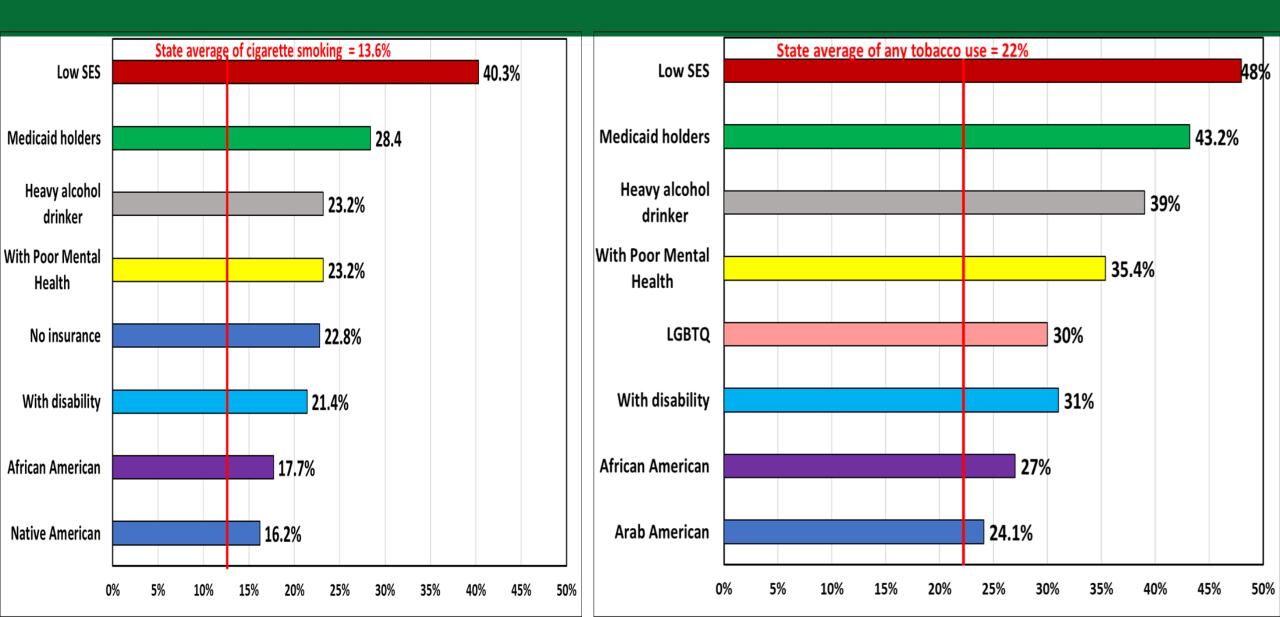


#### Current Tobacco Use Rates Among High School Students in Michigan from 1999-2023 YBRS



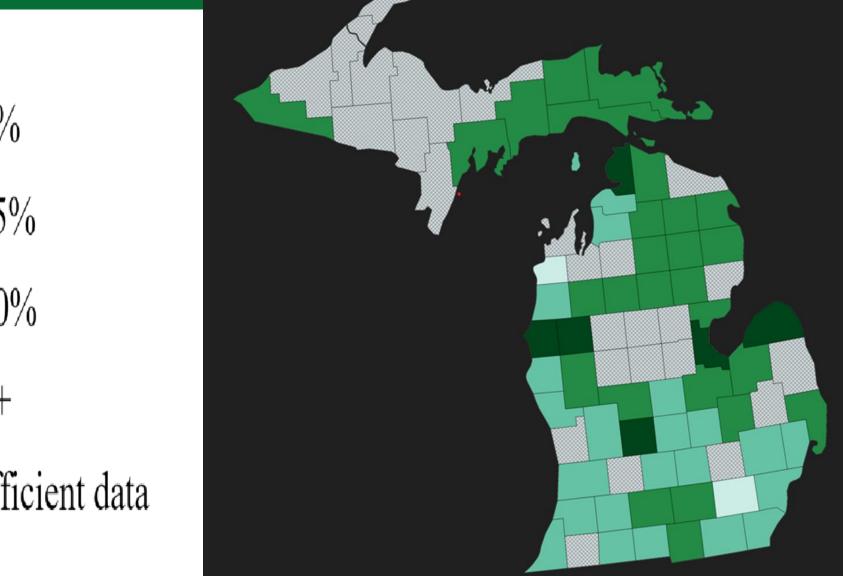
Adult Current Cigarette Smoking VS Any Tobacco Use Rates Among Population Disproportionately Impacted by Tobacco Use, 2023 BRFSS

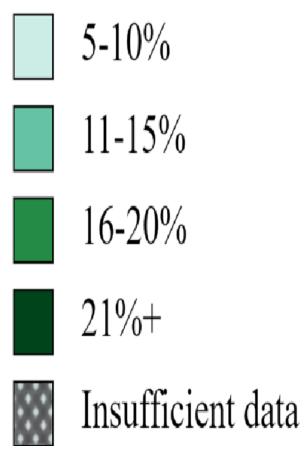




E-Cigarette Use Rates among High School Students in Michigan Per County, MiPHY 2023

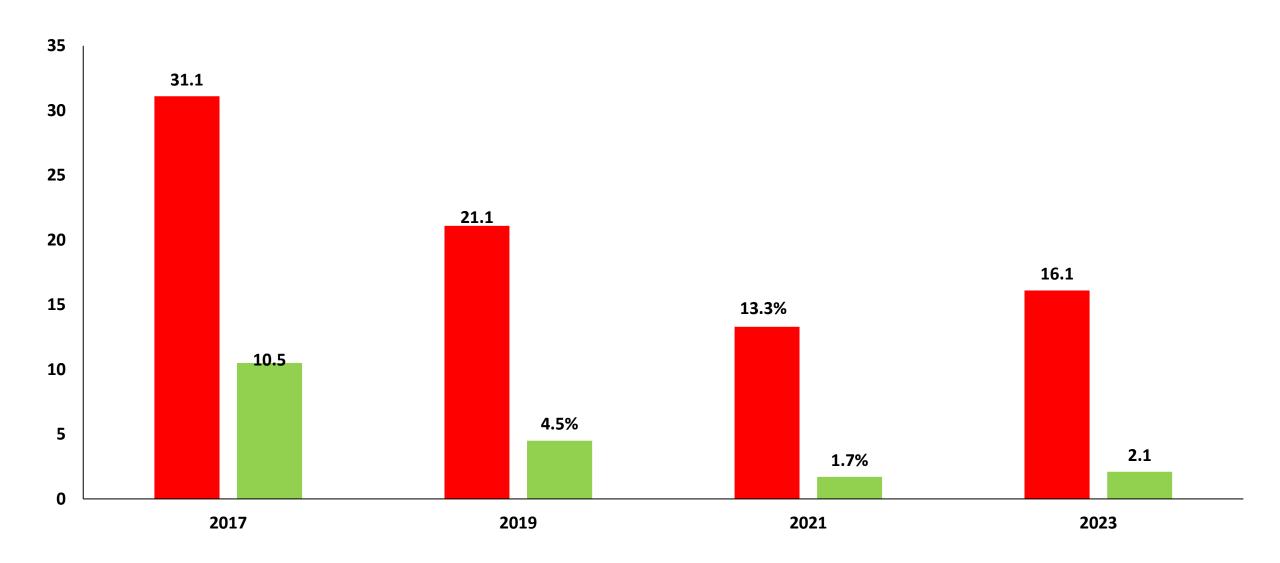






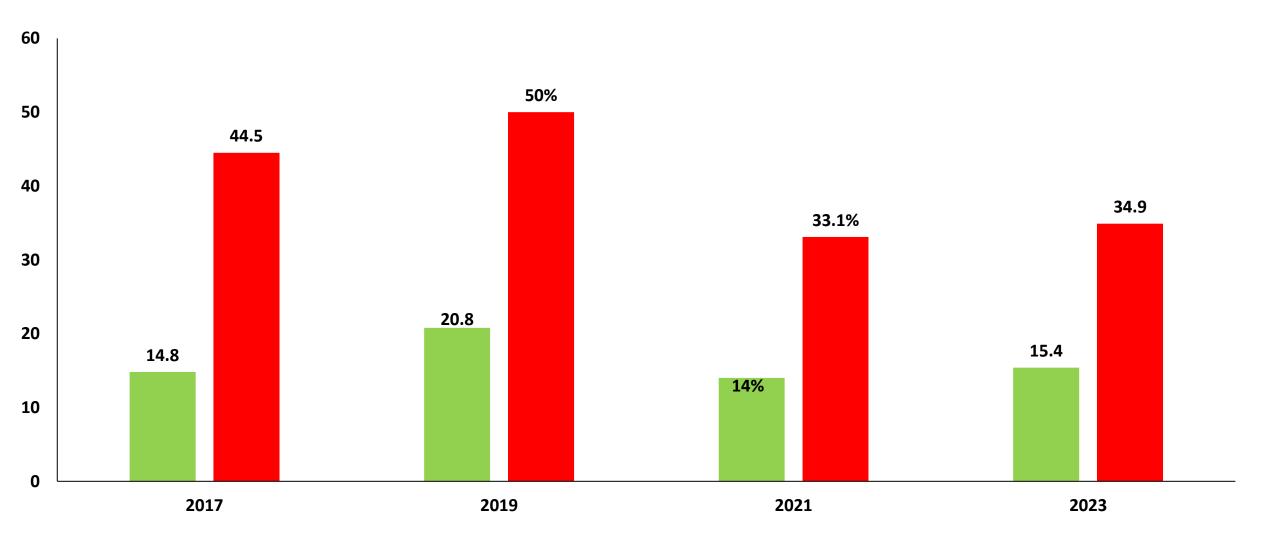
Percentages of High School Students Who Ever Tried Smoking Cigarettes Compared to Current Cigarette Smokers, YRBS





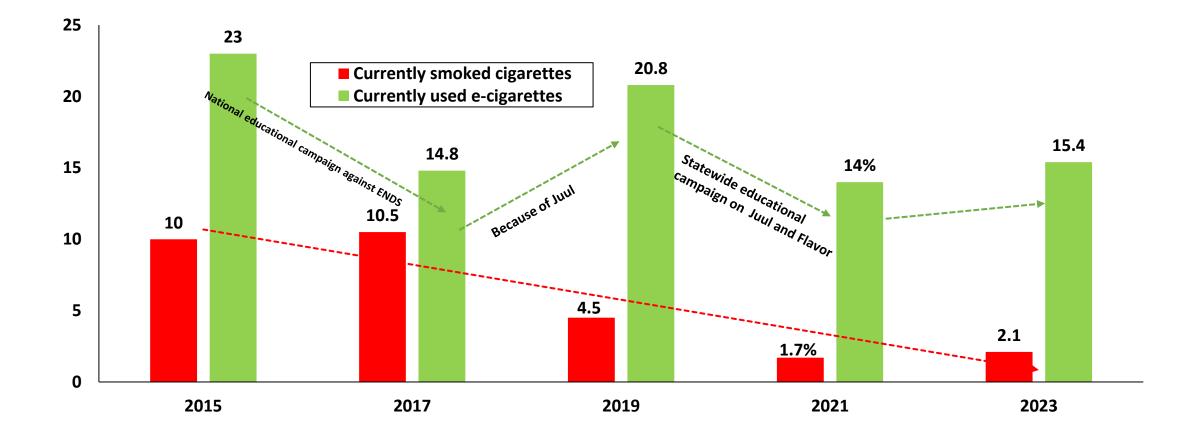
Percentages of High School Students Who Ever Tried Ecigarette Compared to Current E-cigarettes Users, YRBS.





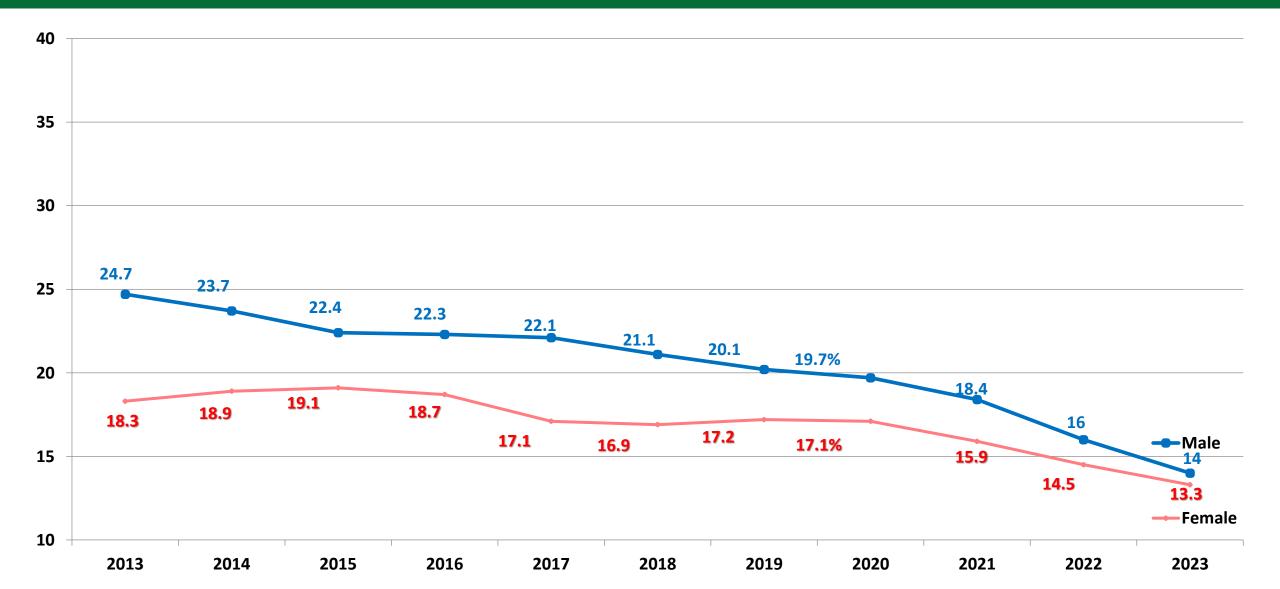
Percentages of High School Students Who are Currently Smoking Cigarettes Compared to Currently Using E-cigarette Overtime, YRBS 2015-2023





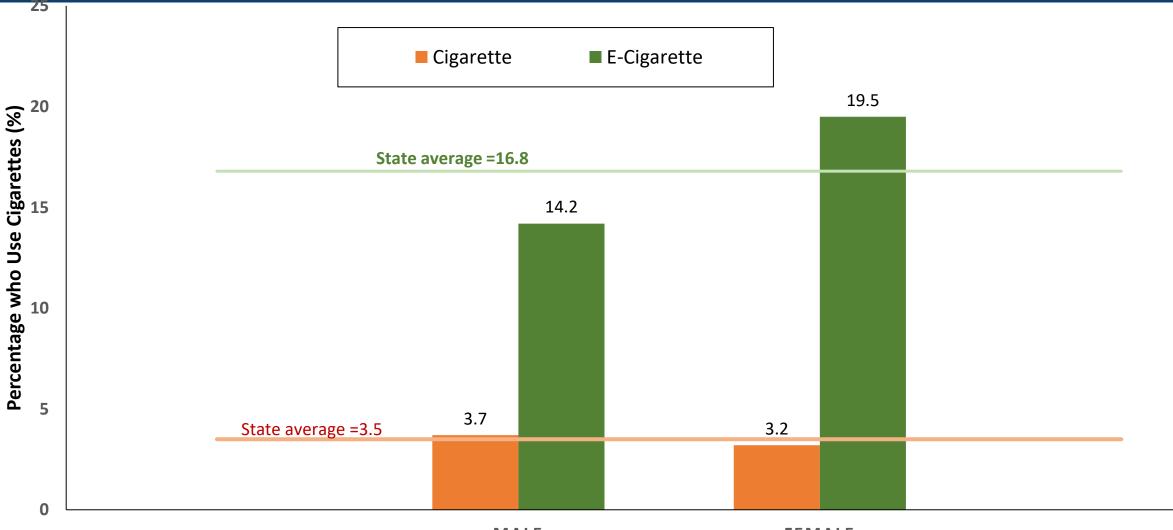
#### Current Michigan Adult Smoking Rates by Gender BRFSS 2013-2023



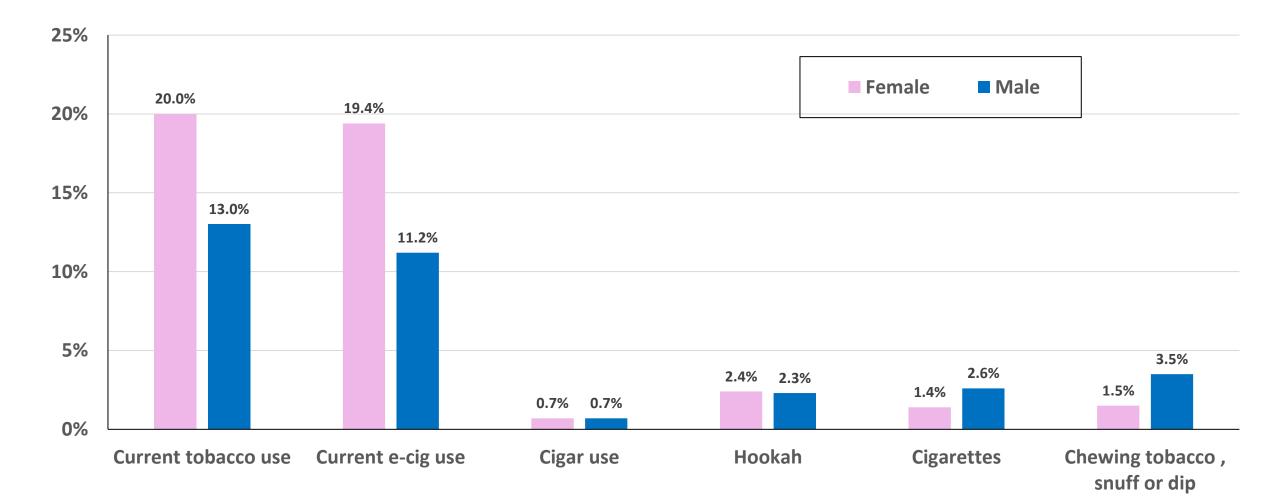


#### Michigan High School Cigarette and E-Cigarette Use Rate by Gender, YRBS 2023





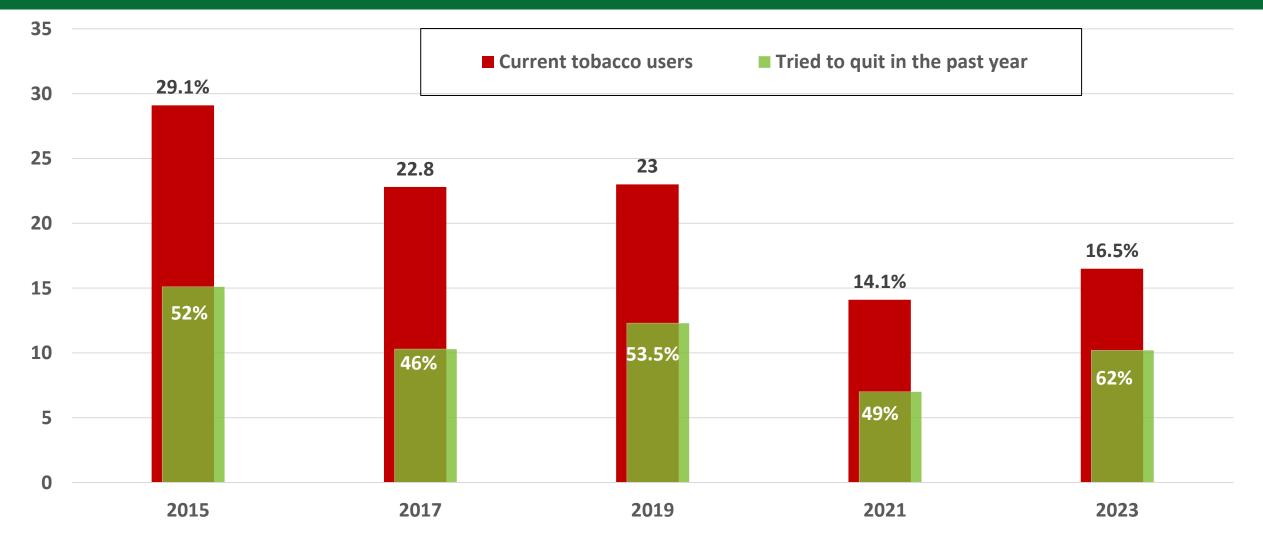
#### Different Tobacco Products Use Rates Among High School Students by Gender in Michigan, 2023 YRBS



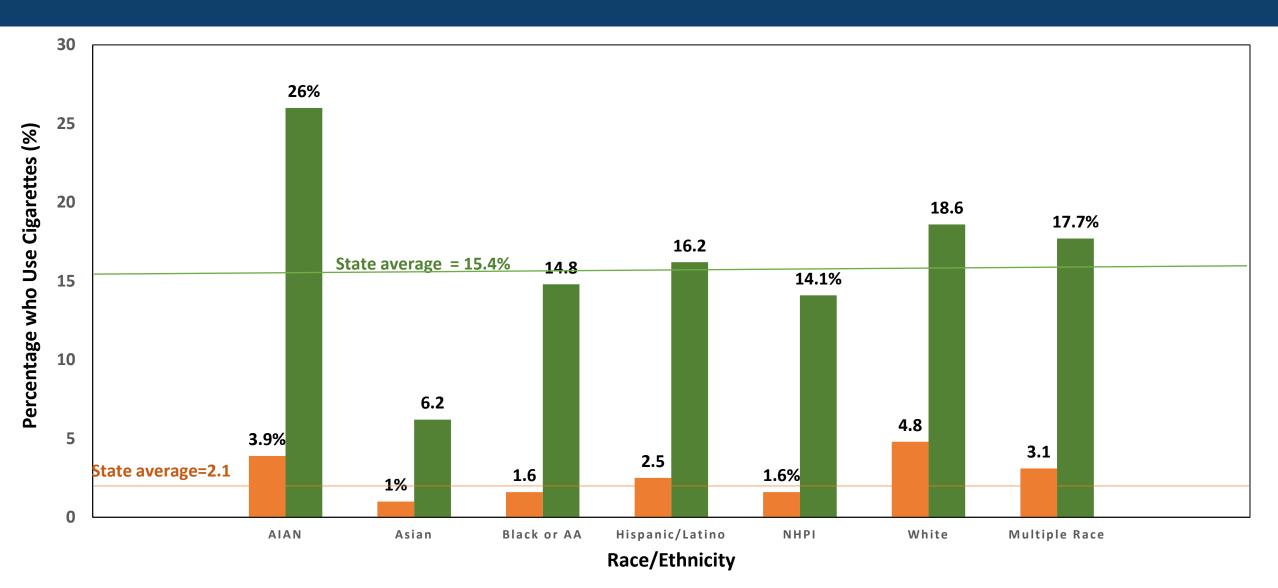
Michigan Department or Health & Human Services

Michigan Current High School Tobacco Users and the Percentage of Users who Tried Quitting in the Past Year, YRBS 2015-2023



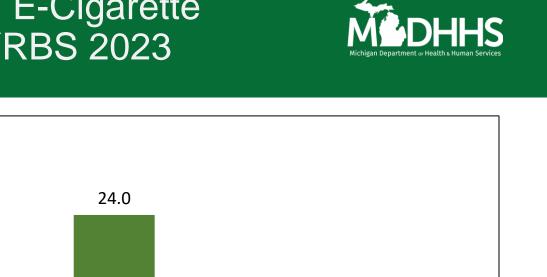


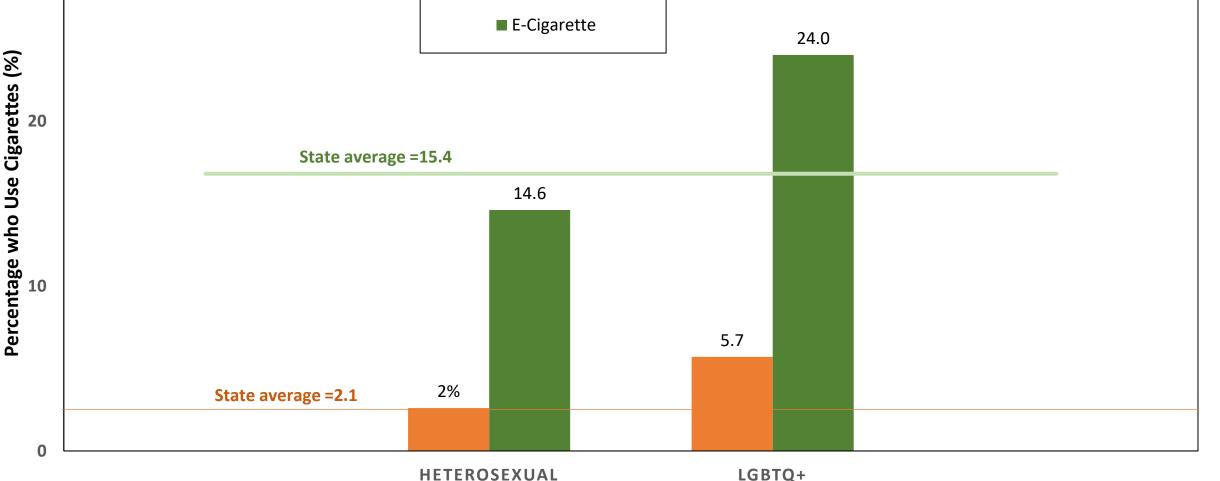
#### Michigan High School Cigarette and E-Cigarette Use Rate by Race/Ethnicity, YRBS 2023



#### Michigan High School Cigarette and E-Cigarette Use Rate by Sexual Orientation, YRBS 2023

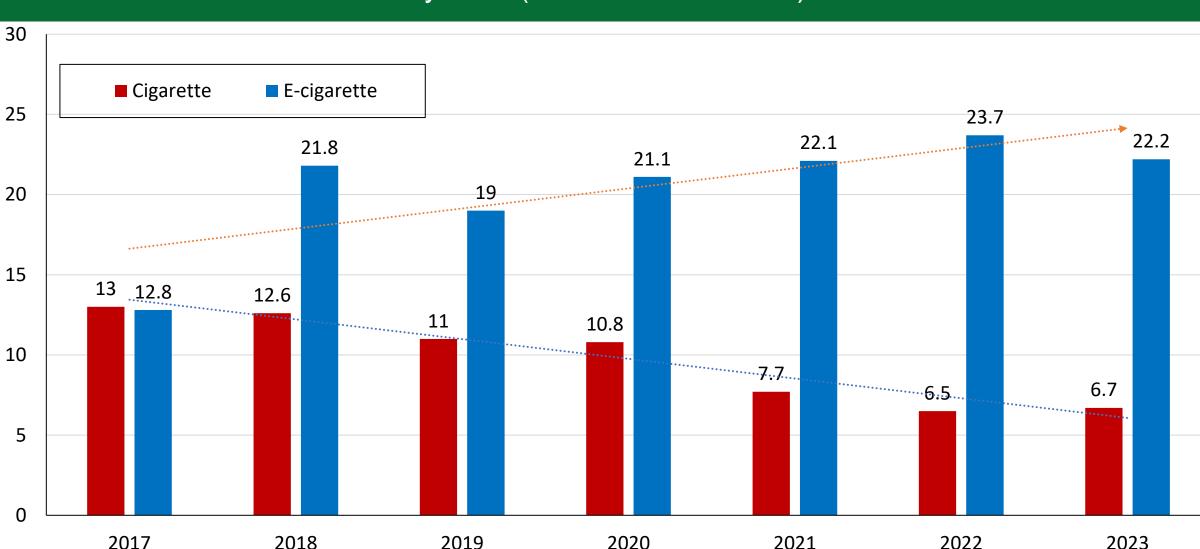
30



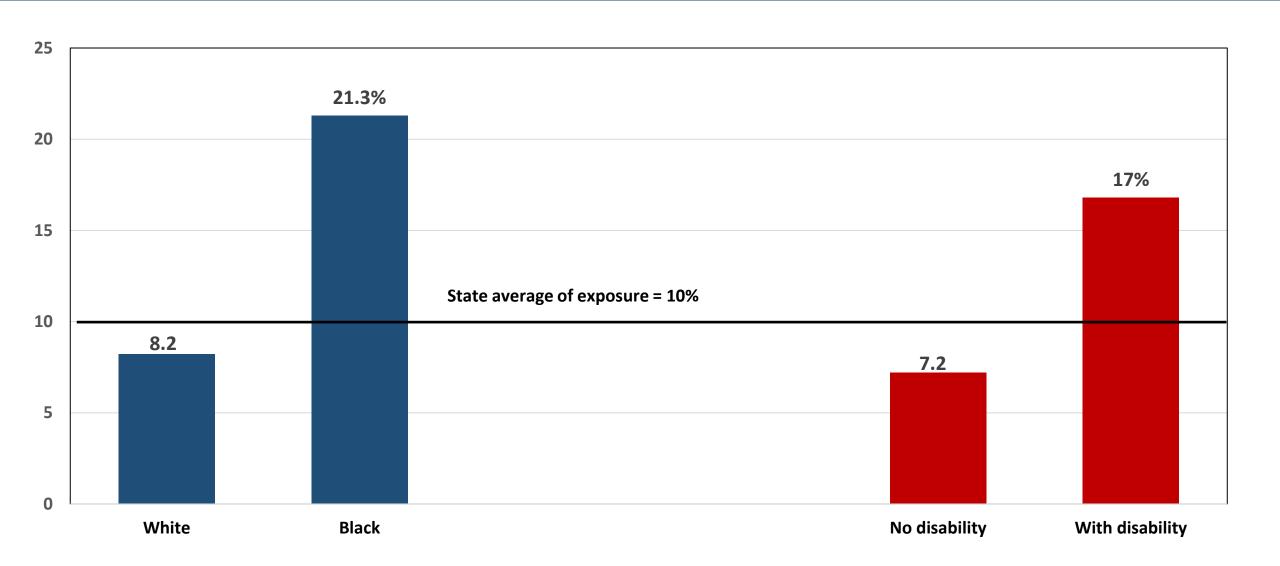


Sexual and Gender Identity

Adult Current Cigarette Smoking Rates Compared to E-cigarette Smoking Rates 18-24 Years Age Group, Behavioral Risk Factor Surveillance System (BRFSS 2017-2023)

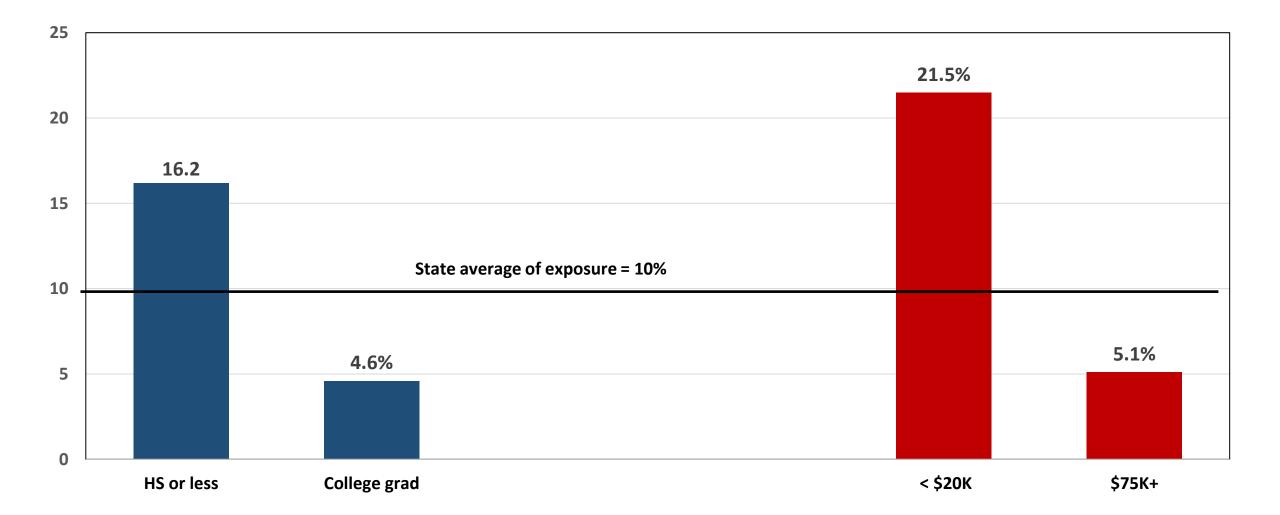


Adults Non-Smokers That Reported Secondhand Smoke Exposure Within Their Homes or Vehicles by Racial Groups and Disability Status, BRFSS 2023



Adults Non-Smokers That Reported Secondhand Smoke Exposure Within Their Homes or Vehicles by Educational Level and Income Level, BRFSS 2023

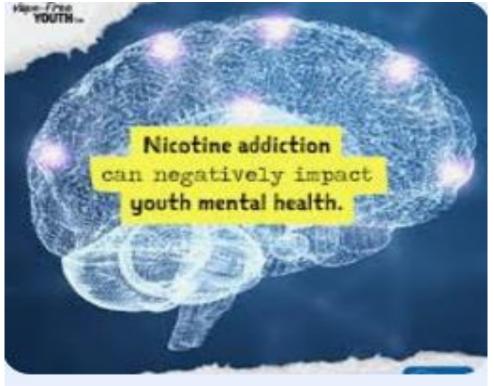




#### Findings from Michigan Youth Tobacco Survey (MYTS) of 2023



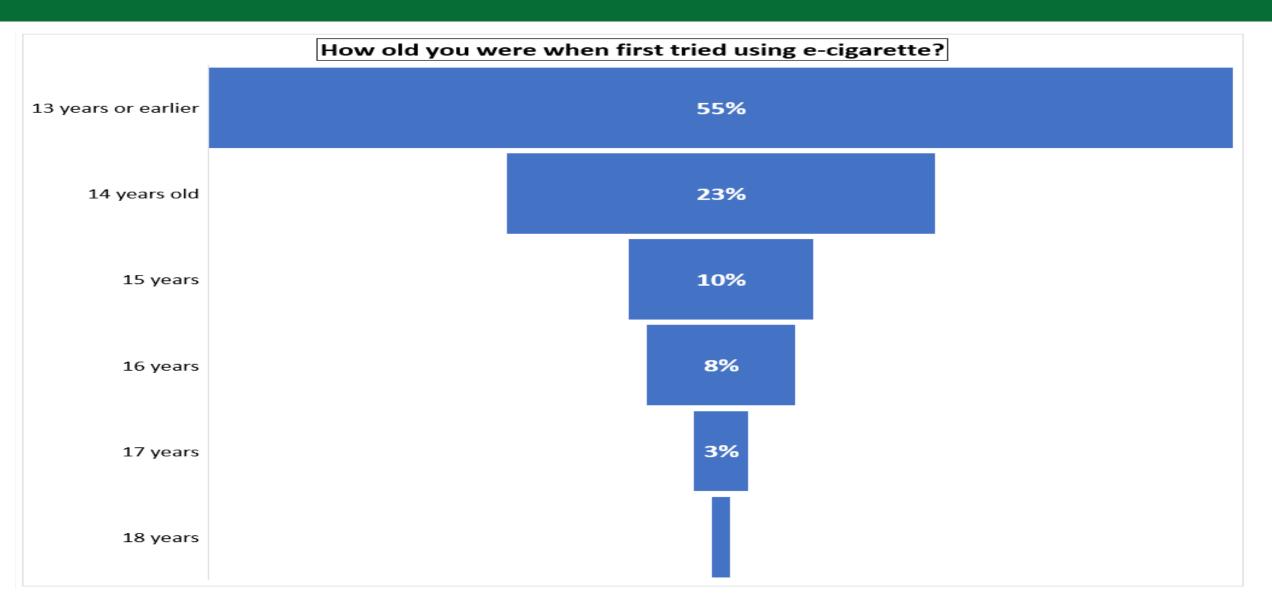




\*\*\* State of Michigan E-Cigarettes

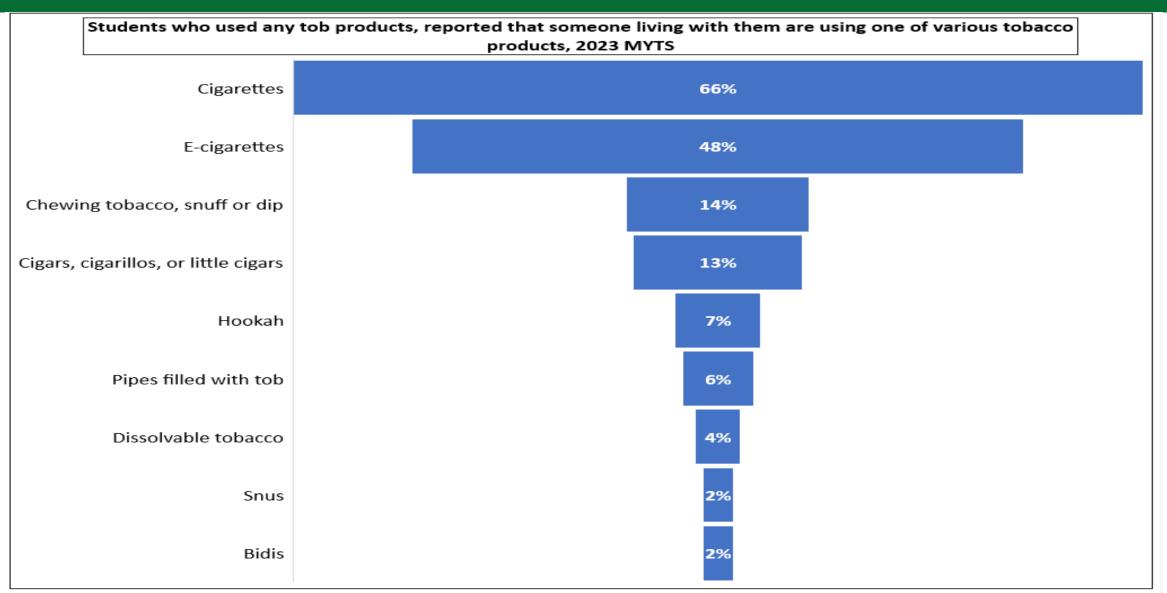
# How Old You Were When First Tried Using E-cigarette



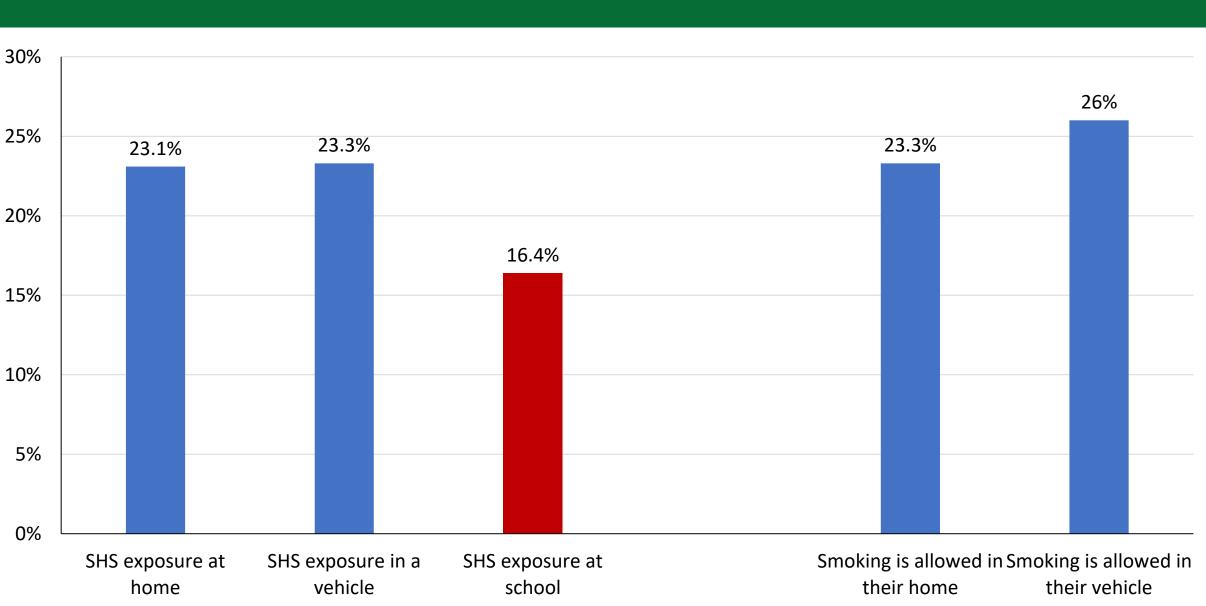


Current Tobacco Users Who Reported that Someone Living in their House are Using one of the Various Tobacco Products, 2023 MYTS



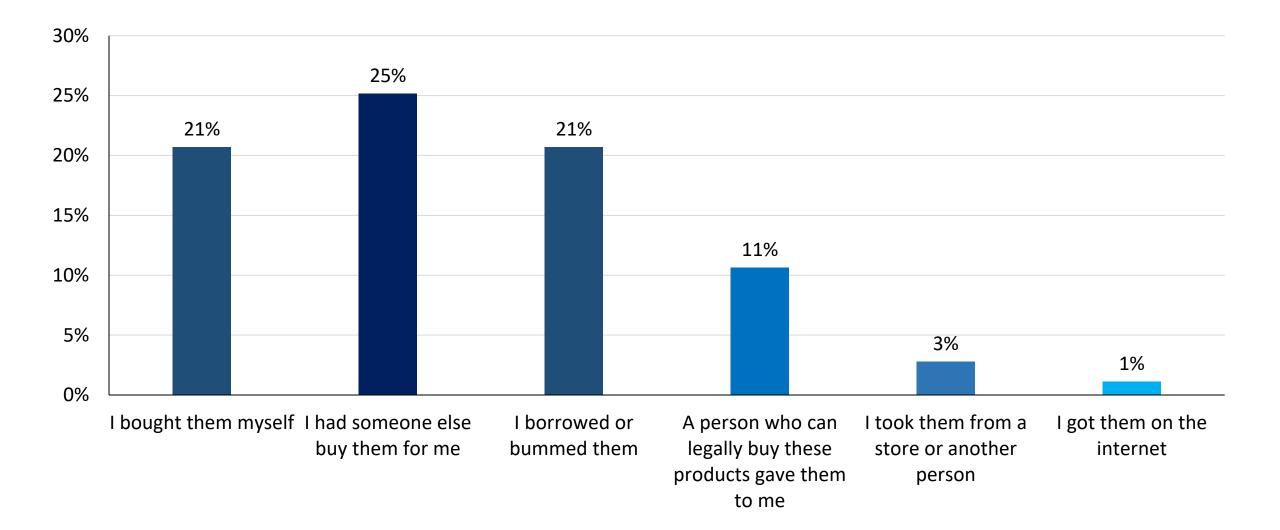


#### Exposure to Smoke from Any Tobacco Products Over the Past 7 Days Among Student, 2023 MYTS



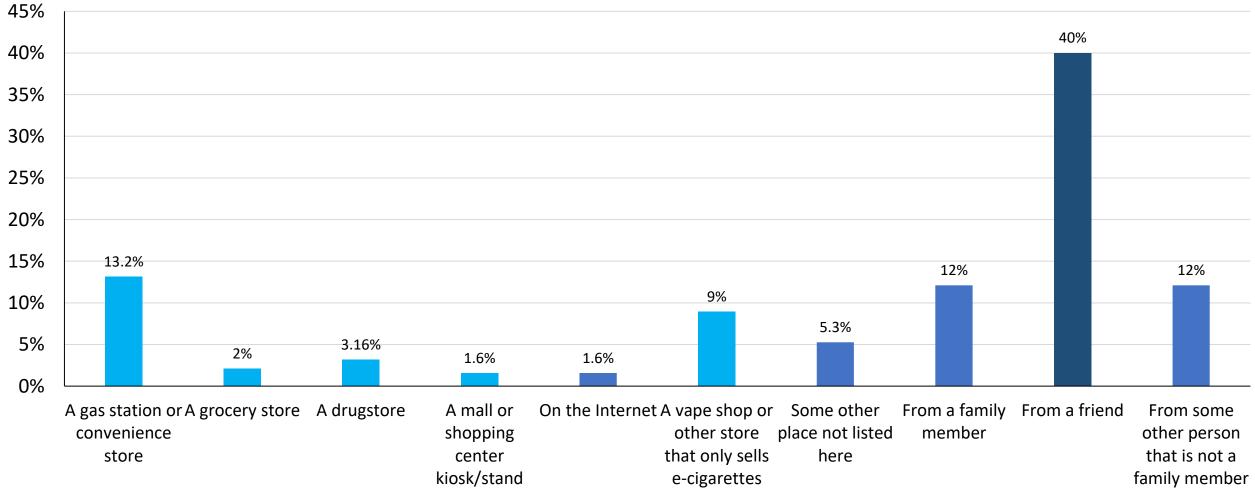
#### During the Past 30 Days, How Youth Got Their Own E-cigarettes, 2023 MYTS





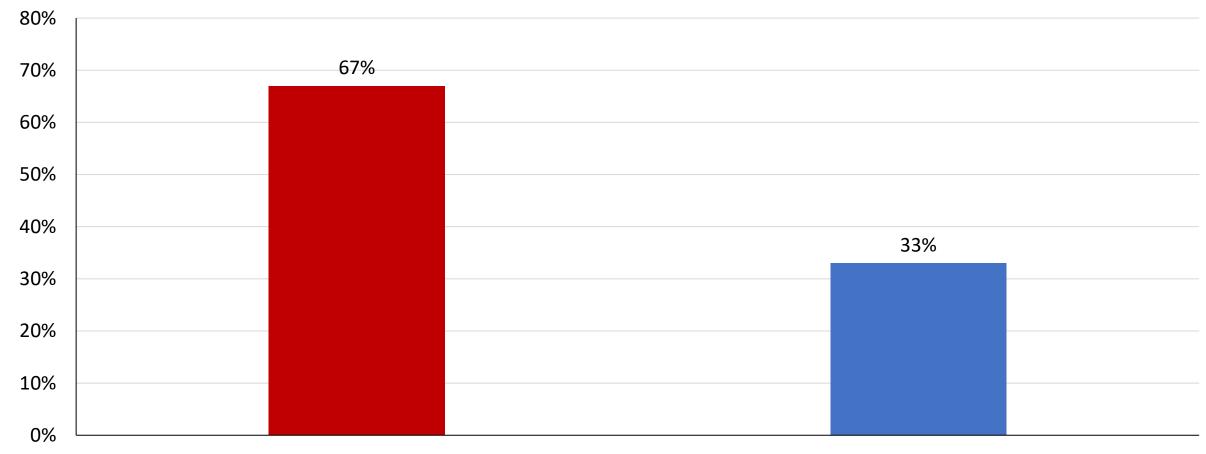
# During the Past 30 Days, Where Did Youth Get or Buy the E-cigarettes that They Used?





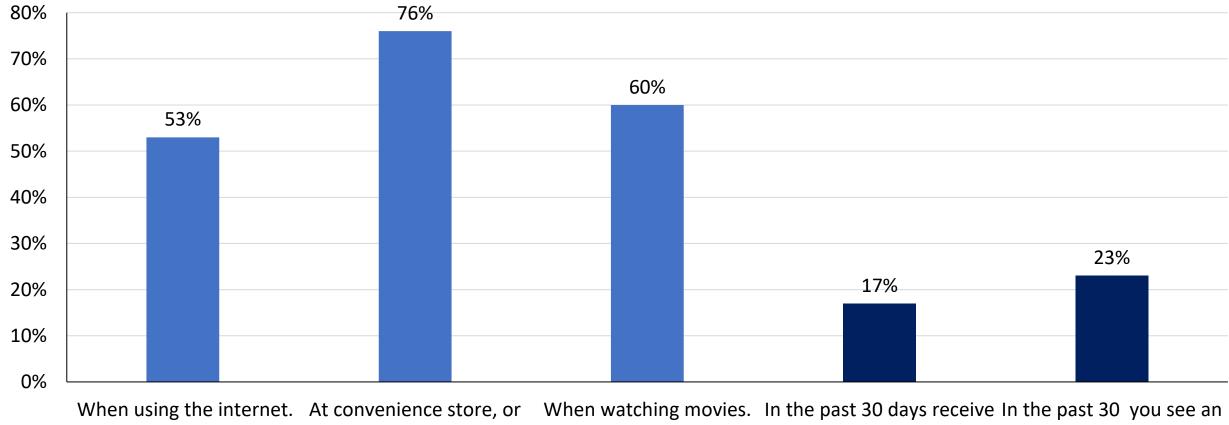
or a friend

#### Do You Believe that Tobacco Companies Try to Get Young People Under 18 to Use Tobacco Products?



Yes

#### Where Students See Tobacco Advertisements from Tobacco Companies, 2023 MYTS



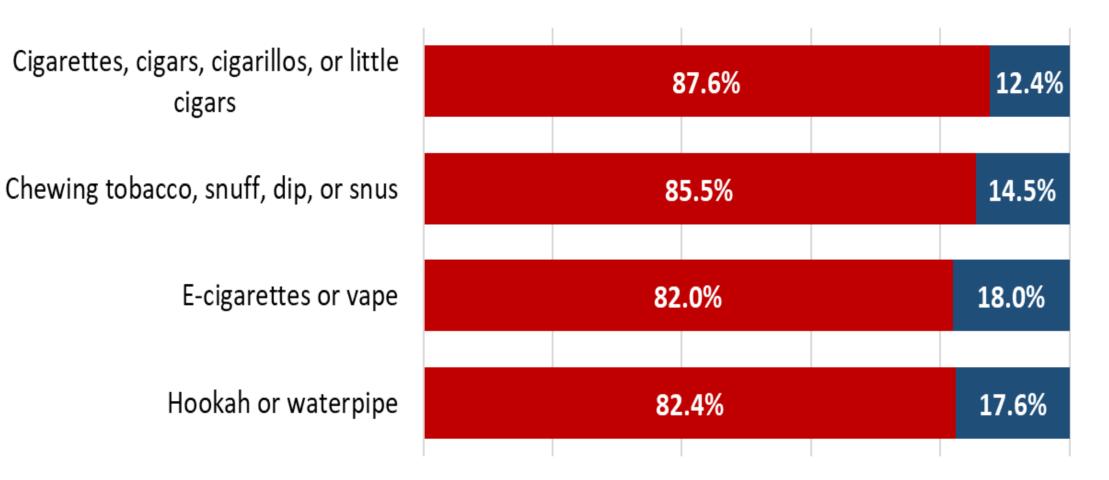
gas station

coupons from a tobacco ad for company bi

ad for tobacco on a billboard

#### Perceived Harm of Various Tobacco Products to People Who Used Them, 2023 MYTS





Some or a lot of harm Little or no harm

## Perceived Harmfulness of Various Tobacco Products Compared to Cigarettes, 2023 MYTS



Cigars, cigarillos, chewing tobacco, snuff, dip, or snus	17.0%	70.5%	12.5%
E-cigarettes	27.7%	55.9%	16.4%
Hookah or waterpipe	<b>14.3%</b>	71.3%	14.4%
	More harm	ful 🔳 Equally harmful	Less harmful

# Perceived Addictiveness of Various Tobacco Products Compared to Cigarettes, 2023 MYTS

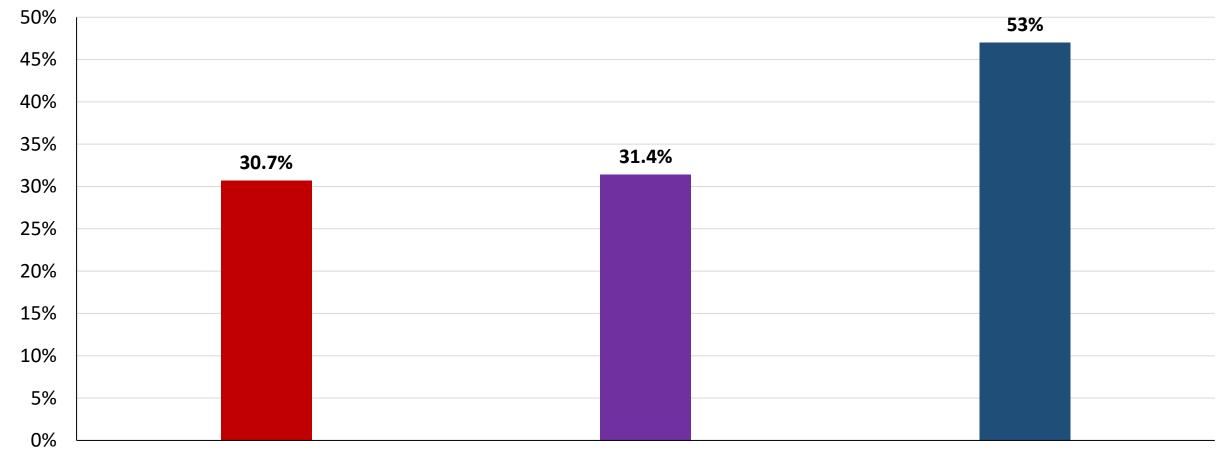


Ligars, cigarillos, chewing tobacco, snuff, dip, or snus	15.3%	71.5%	13.2%
E-cigarettes	38.9%	52.8%	8.3%
Hookah or waterpipe	12.8%	72.3%	14.9%

More addictive Equally addictive Less addictive

Difficulties with Concentration, Craving to Tobacco Products, and Exposure to Internet Advertisement Among Students Who Used Tobacco Products, 2023 MYTS





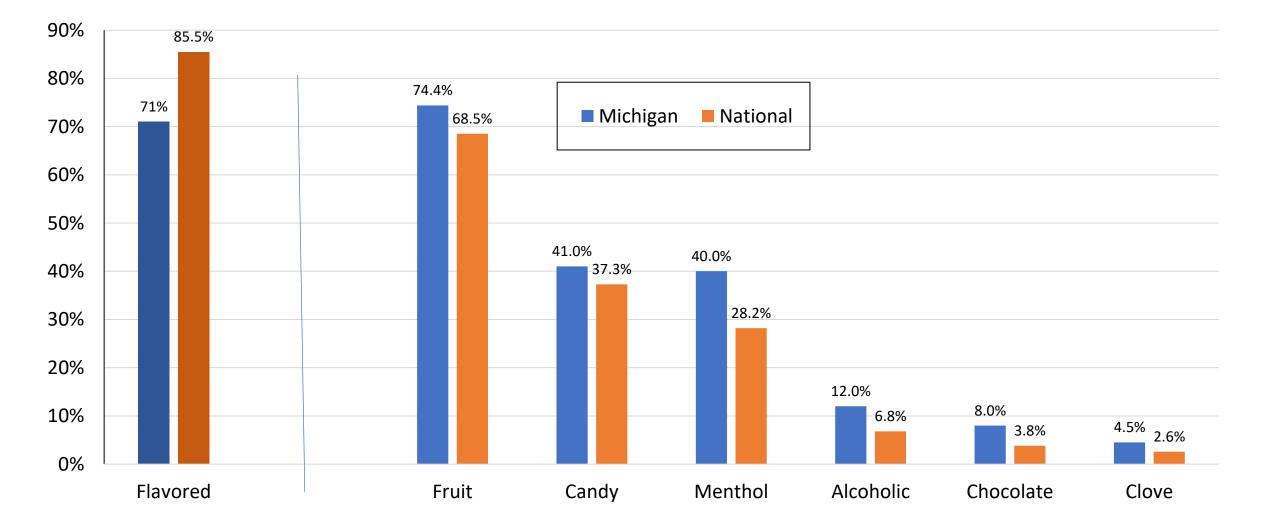
Having difficulties with concentration, memory, and decision-making

Want to use e-cigarettes 5 minutes of waking up.

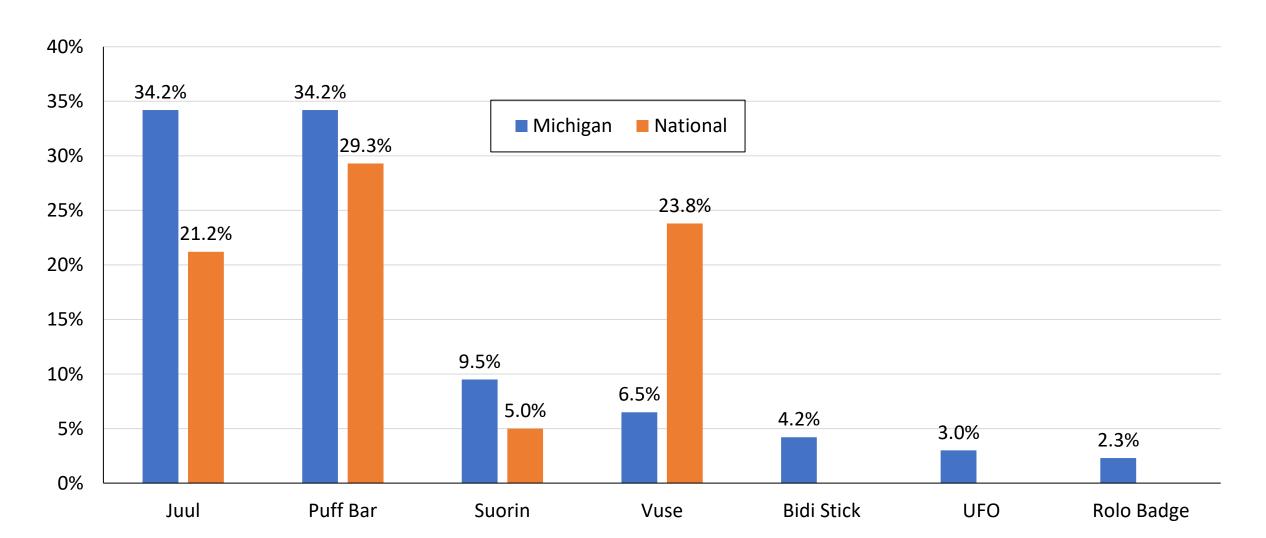
Feel restless if don't use e-cig

Flavored E-cigarettes and Type of Flavor Used in the Past 30 Days Among Michigan Students Compared to the National Rate, 2023 MYTS



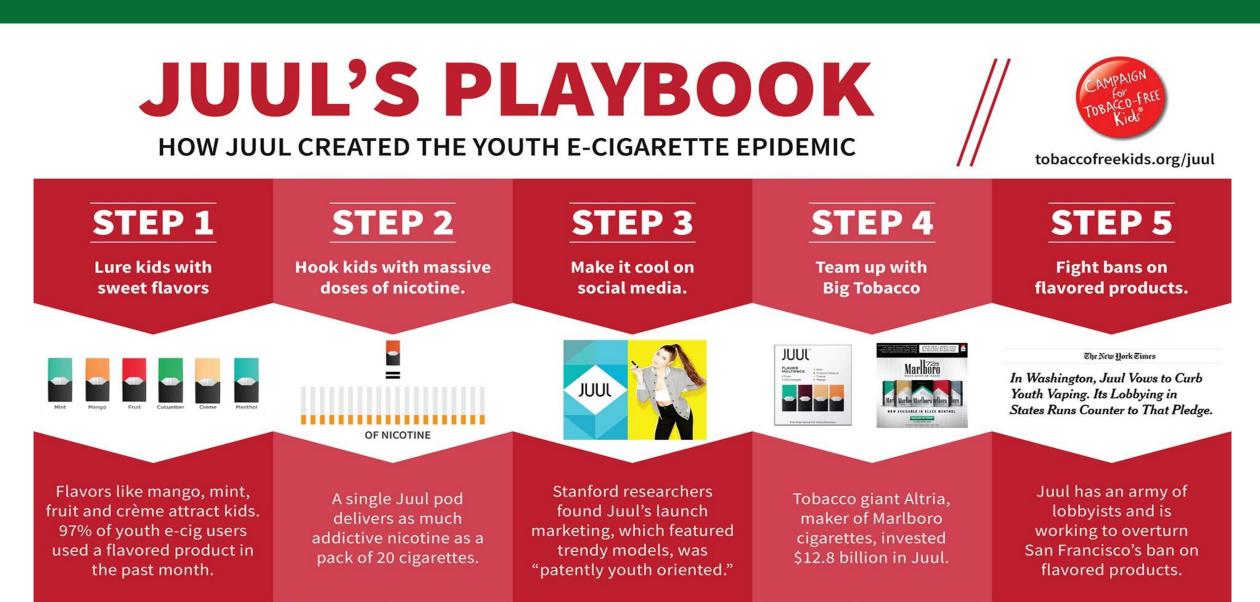


#### Brands of E-cigarettes Tried by Students in Michigan Compared to the National Rate, 2023 MYTS



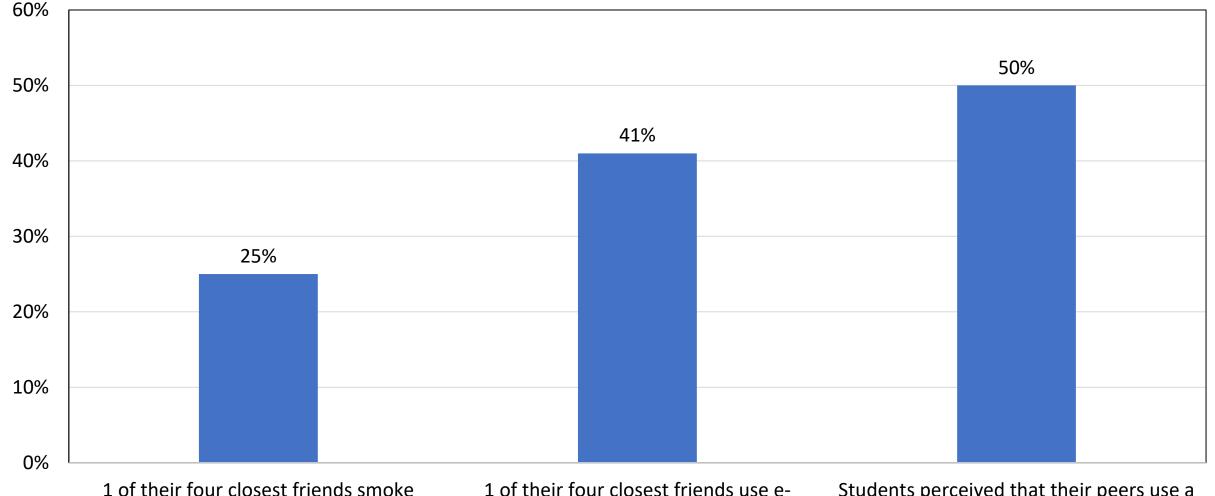
Brands of E-cigarettes JUUL is Still Working Very Hard in Michigan, 2023 MYTS





#### Students Perceptions about Tobacco Use Among Their Peers, 2023 MYTS



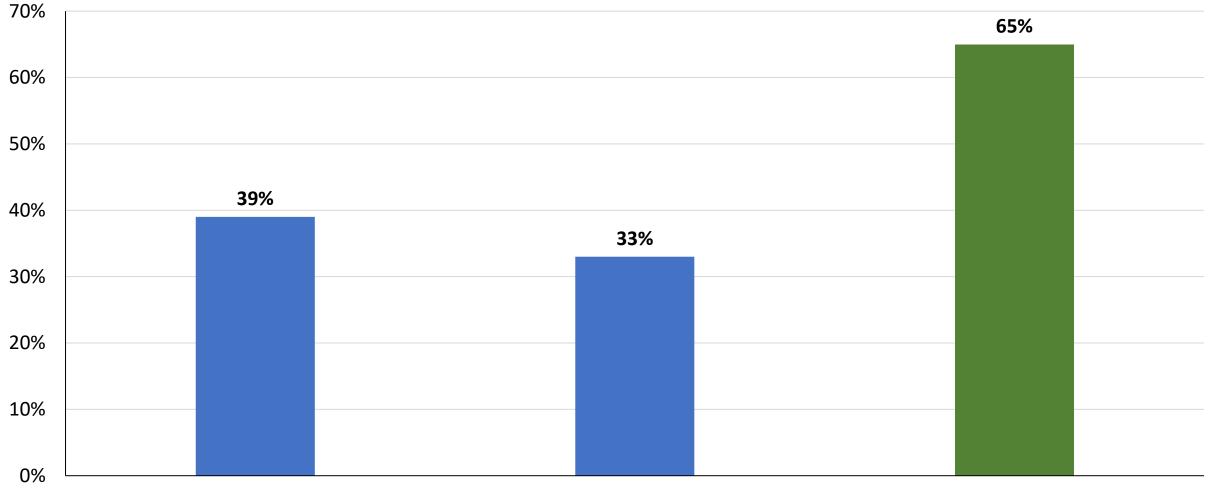


cigarettes

of their four closest friends use ecigarettes Students perceived that their peers use a tobacco product

#### During the Past 12 Months, has a Doctor, Dentist, or Nurse Asked if you Use Tobacco or E-cigarettes of Any Kind?

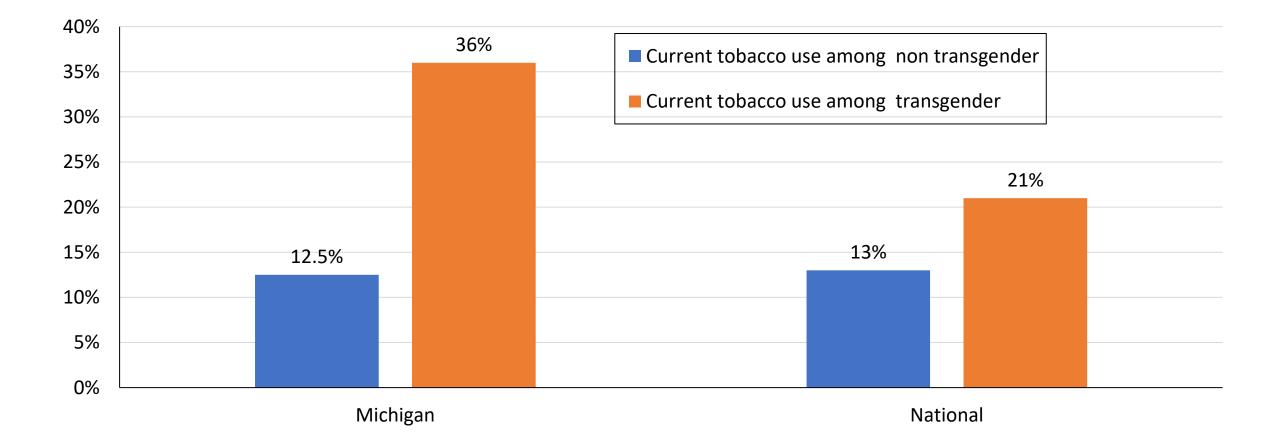




Dr. asked if you use tobacco or e-cigarettes Dr. advised you not to use tobacco or ecigarettes Stopped using tobacco including ecigarettes for one day or longer

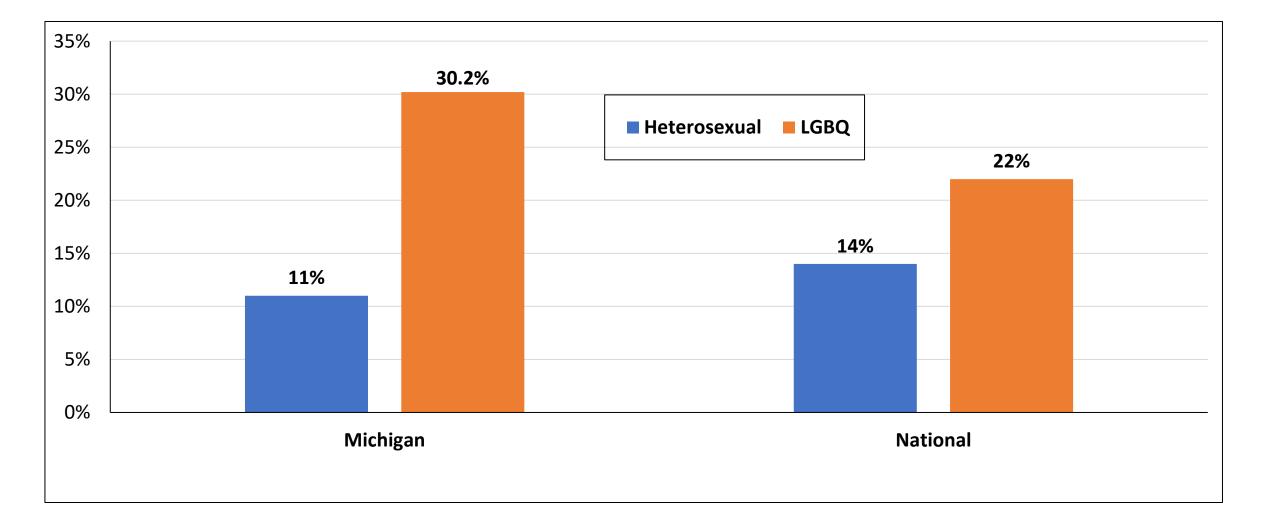
#### Rates of Current Tobacco Use Among Transgender Students in Michigan Compared to the National Rate (NYTS), 2023 MYTS





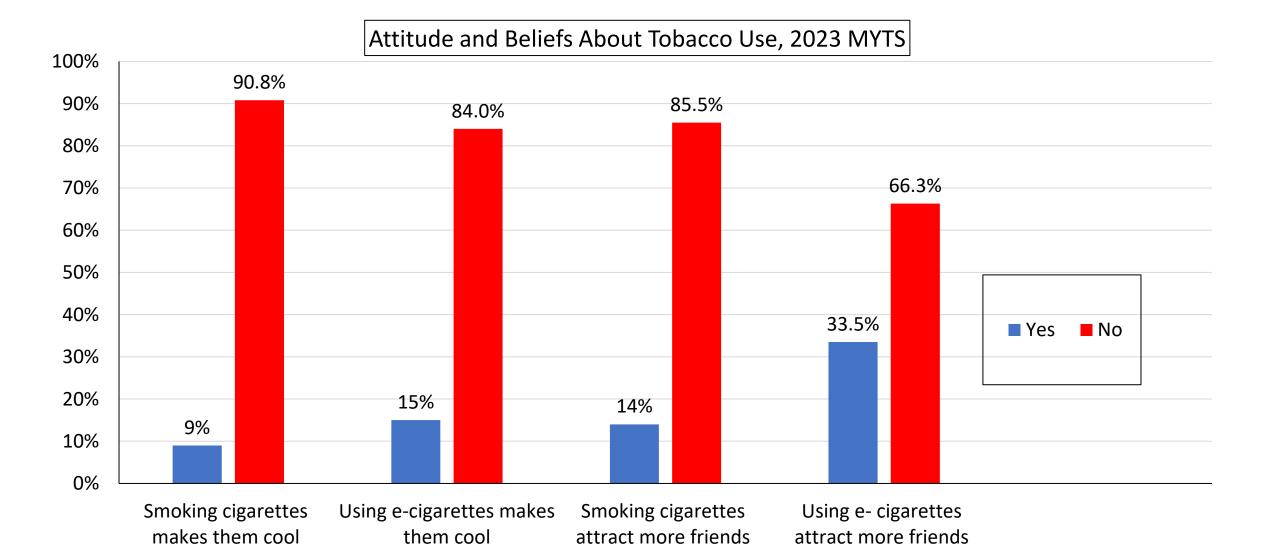
#### Rates of Current Tobacco Use Among LGBTQ Students in Michigan Compared to the National Rate, 2023 MYTS/NYTS





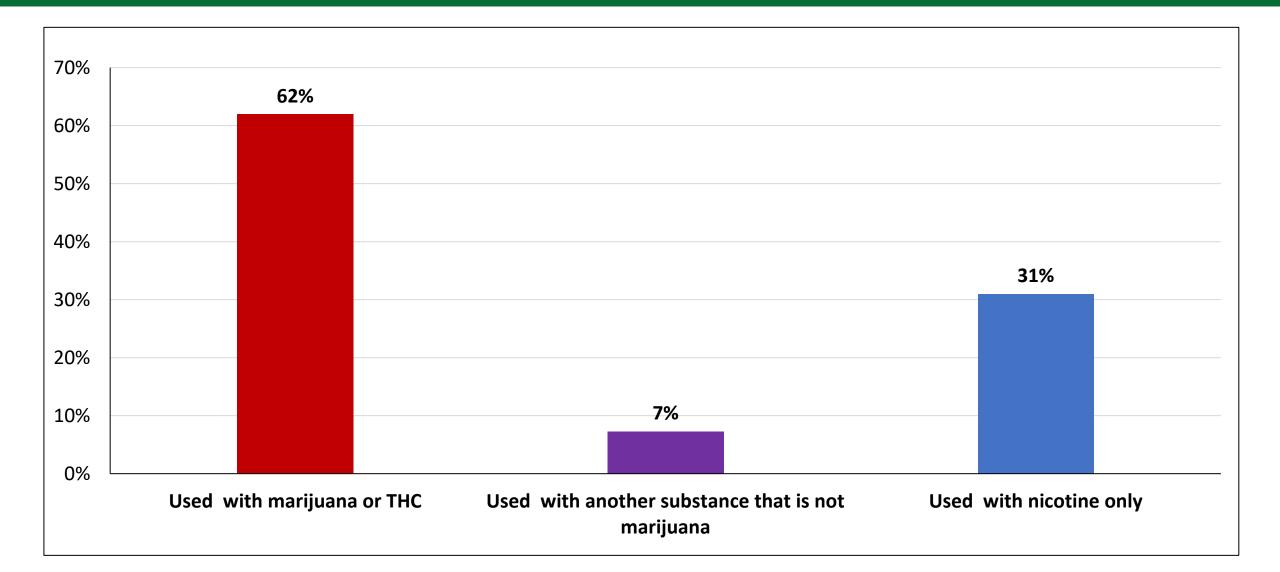
Attitude and Beliefs About Tobacco Use, 2023 MYTS





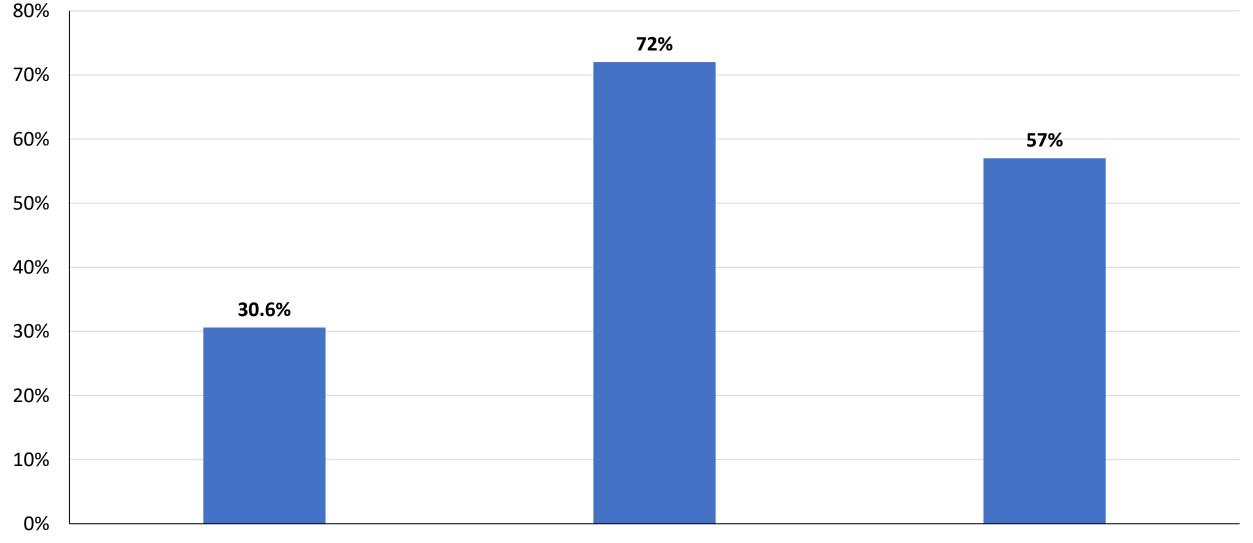
#### Students Who Have Ever Used E-cigarette Devices with a Substance Besides Nicotine





#### Current Tobacco Use Rates Among Students Who Use Alcohol





Current alcohol use

Current binge drinking

Current liquor use

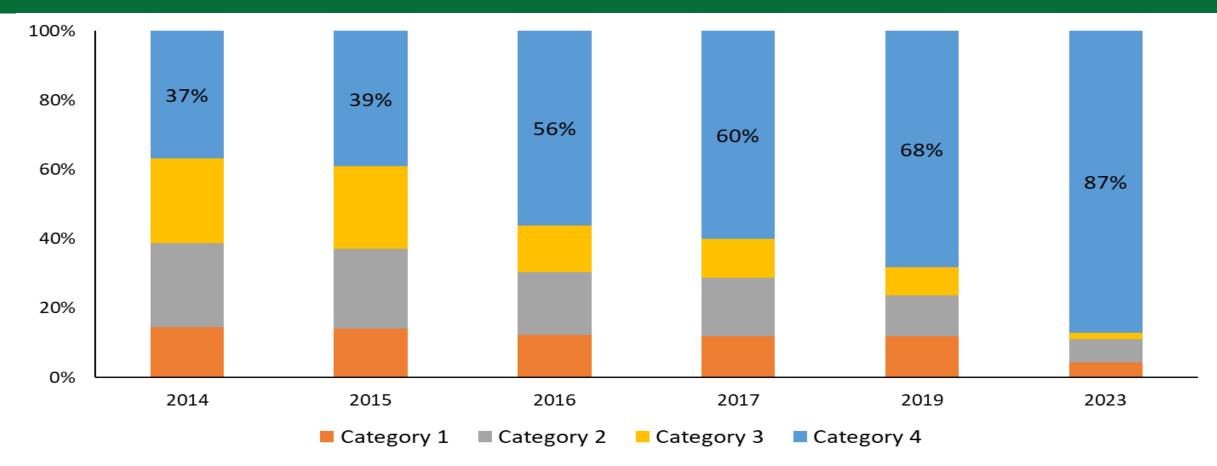
# Cessation Methods High School Students Used to Attempt Quitting Tobacco Use, 2023 MYTS





#### Proportion of Michigan Public School Districts Per Each Category of Tobacco-Free School Policy, 2014-2023





Category 1: Prohibition of tobacco use within buildings at all times, but outdoor use is allowed after 6 p.m. on regularly scheduled school days, during weekends Category 2: Prohibition of tobacco use that applies to everyone on school grounds but not at off-grounds school-sponsored events.

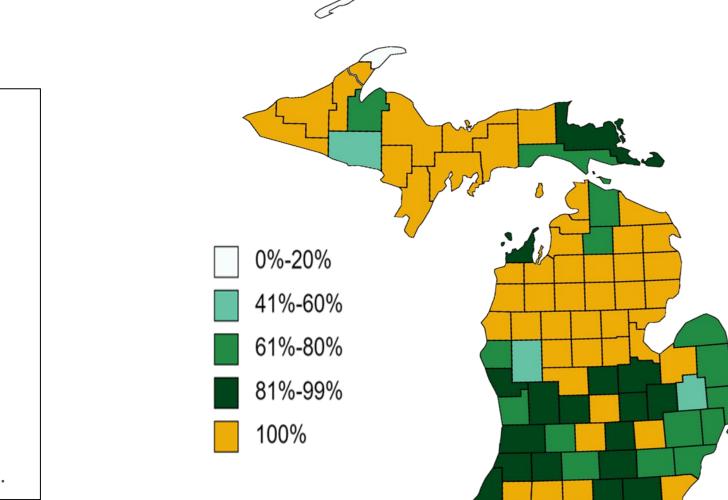
Category 3: Prohibition of tobacco use that applies to everyone at all times, on-campus and off-campus at school-sponsored events.

Category 4: Has the same degree of prohibition as category 3, but also includes e-cigarettes and other next-generation tobacco products. This is the most comprehensive policy category.

Source: Tobacco-Free report card for Michigan K-12 schools

Proportion of Michigan Public School Districts with a Category 4 (Comprehensive Tobacco-Free Policy) Per county, 2023





• 56% of Michigan

**Counties Have** 

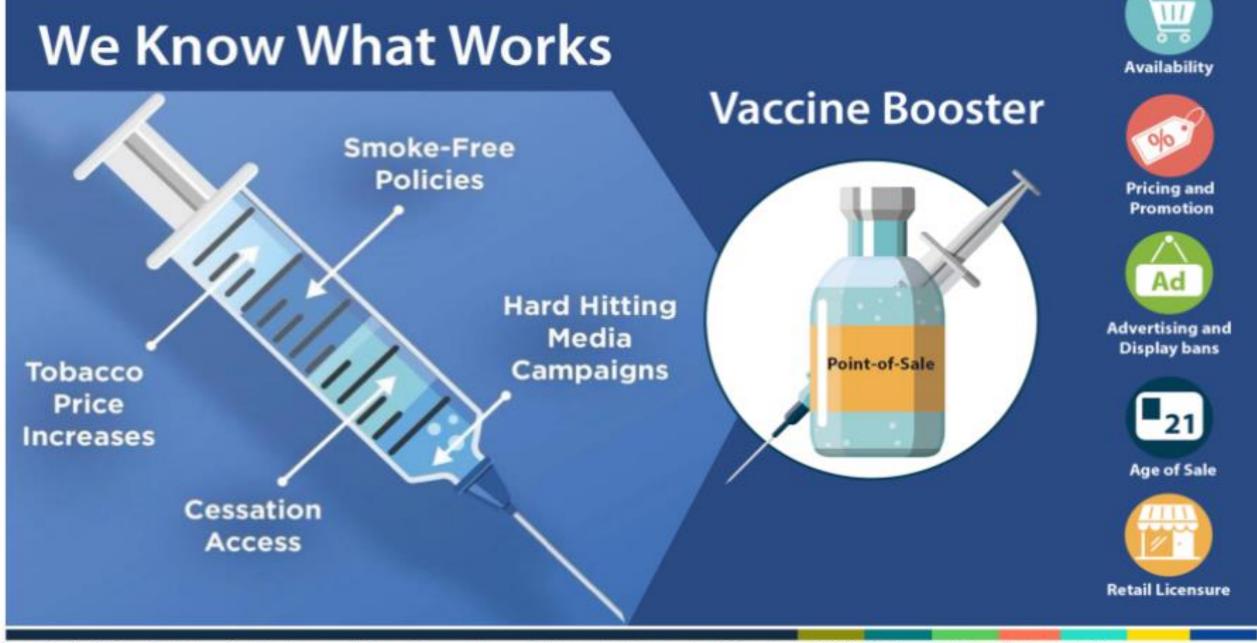
**Complete Category 4** 

Policy coverage.

• Lowest Counties:

Keweenaw, Iron,

Lapeer, and Newaygo.



Source: King BA, Graffunder C. The Tobacco Control Vaccine: a population-based framework for preventing tobacco-related disease and death. Tobacco Control 2018;27:123-124. Kong AY, King B. Tob Control: 2020.

### Commercial Tobacco Use Among Michigan's Youth



