

A Public Health and Social Justice Concern: Proximity of Tobacco & E-Cigarette Point of Sales Retailers to Vulnerable Communities in Davidson County, TN

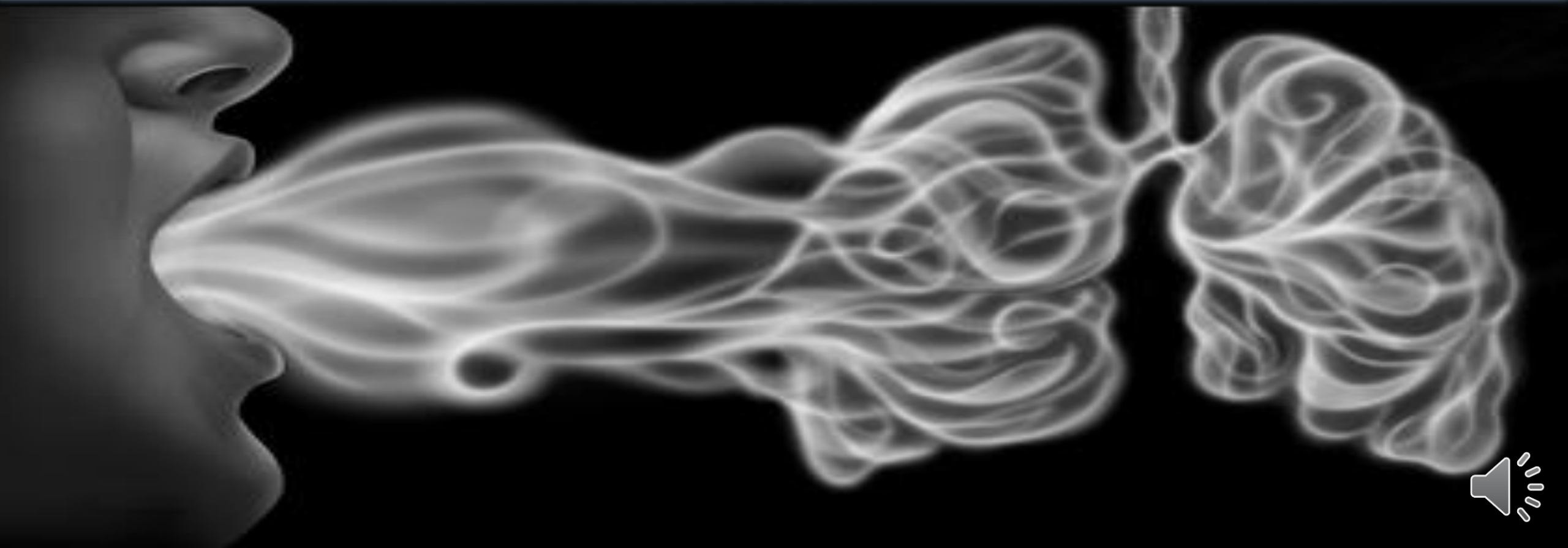
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Presentation Outline



Social Justice Issue



Health Impact of Tobacco Use



**Accessibility of Tobacco
Retailers to Vulnerable
Communities**



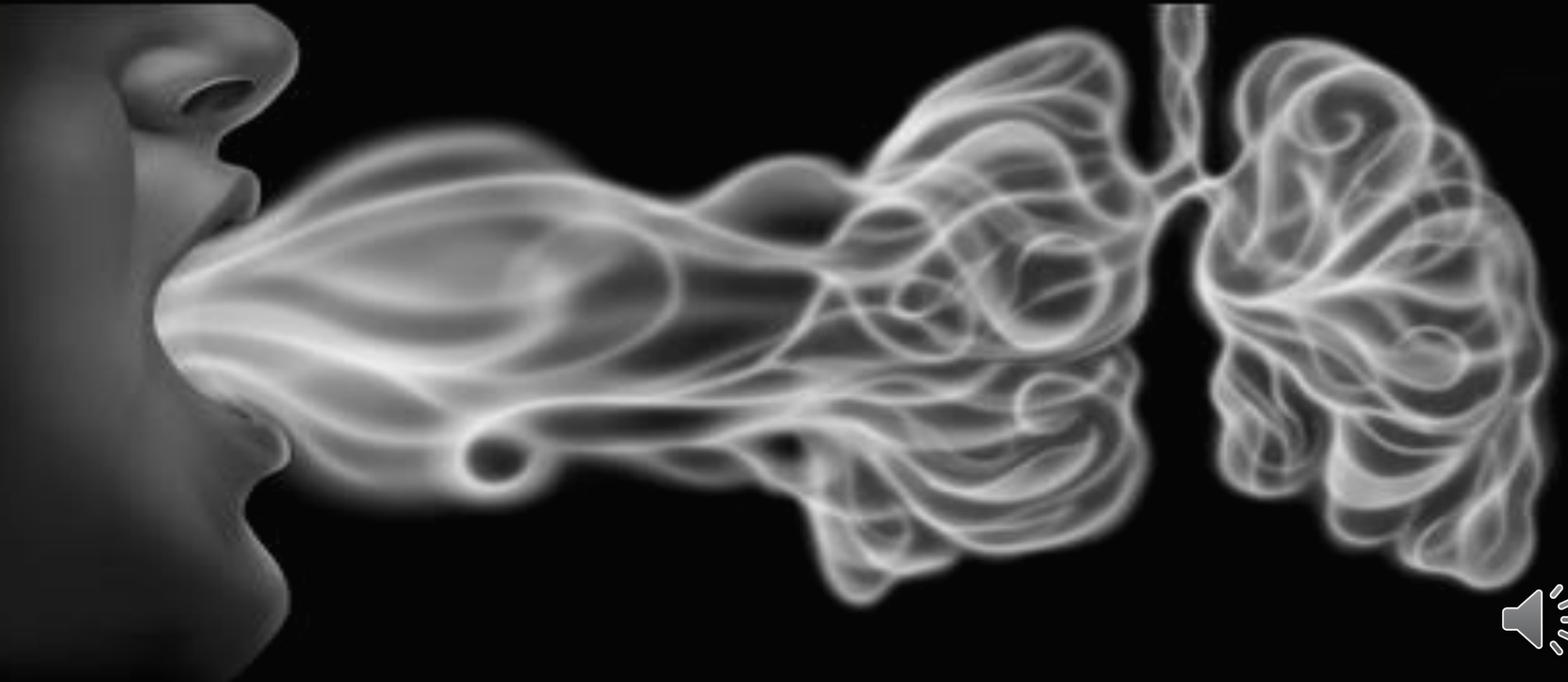
Discussion and Recommendations



Acknowledgements



Social Justice Issue: Tobacco Companies Targeting Vulnerable Communities



Targeted Communities for Tobacco Use

**Low income
communities**

**Racial and
ethnic
minorities**

**LGBTQ
individuals**

Women

Youth





Tobacco Manufacturers Marketing to Youth

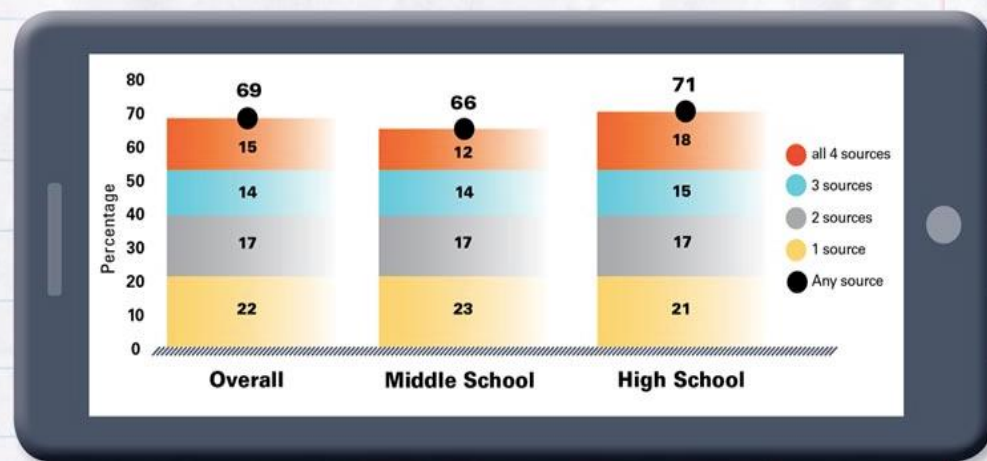


Youth are exposed to e-cigarette advertisements from multiple sources.

Sources of e-cigarette advertisement exposure



US students exposed to e-cigarette advertisements, by school type and number of sources of exposure



* Percentages may not add up exactly to any source due to rounding.

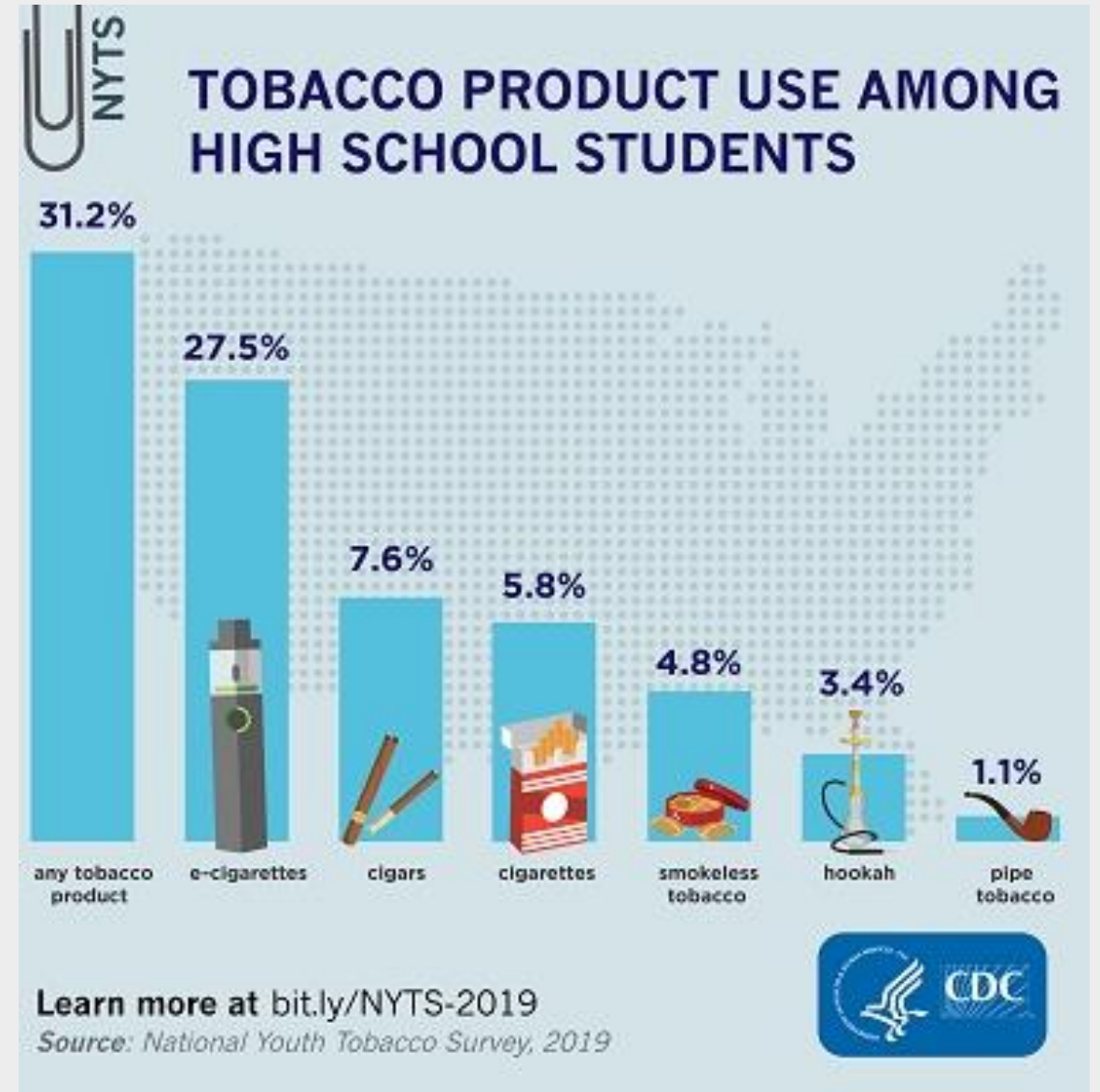
SOURCE: National Youth Tobacco Survey 2014.

Tobacco Manufacturers Marketing to Youth



Tobacco Use Among Youth

- The last five years have seen enormous spikes in youth e-cigarette use rates.
- In 2019, 27.5% of high school students had used e-cigarettes in the past month.



Why are E-cigarettes Attractive to Youth?

- Fashionable/Stylish
- Accessibility
- Advertising
- Belief that they are safer than cigarettes
- Easy to hide from teachers and parents





Regulates and enforces how tobacco products are made and sold



Illegal to sell tobacco products to those under the age of 21

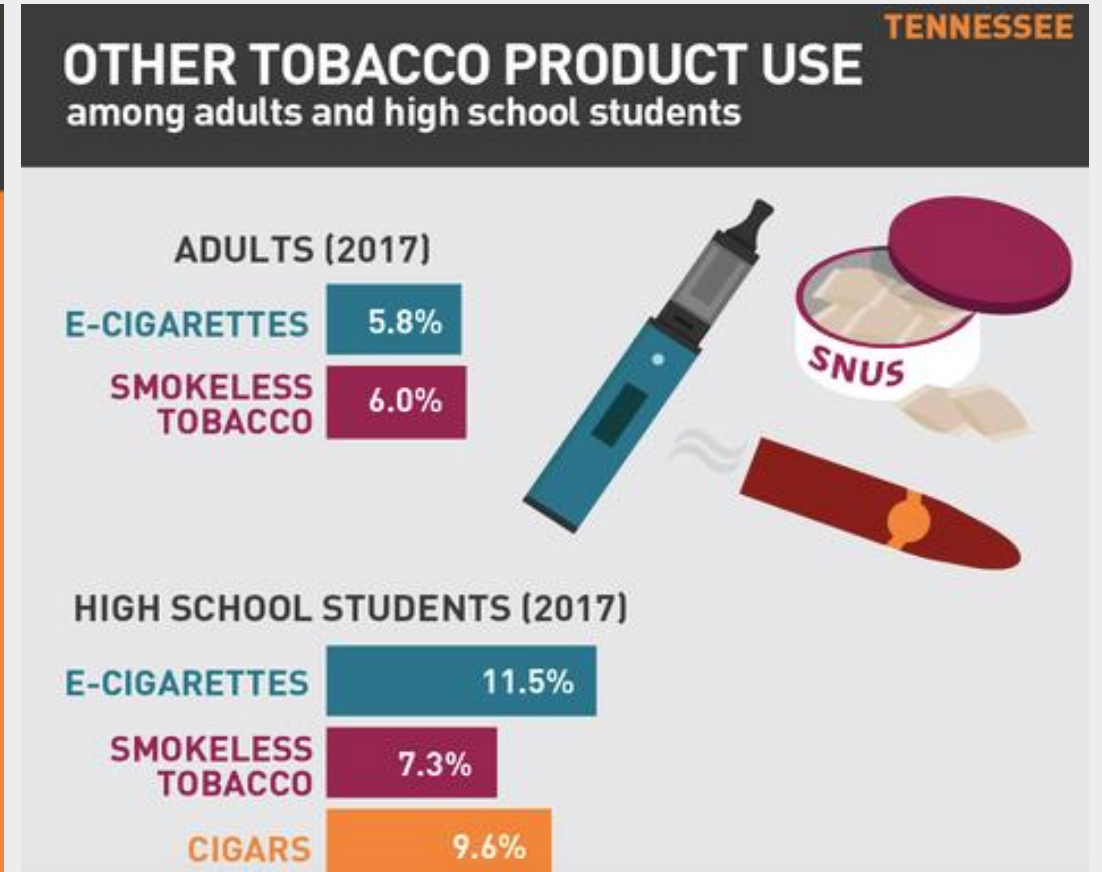
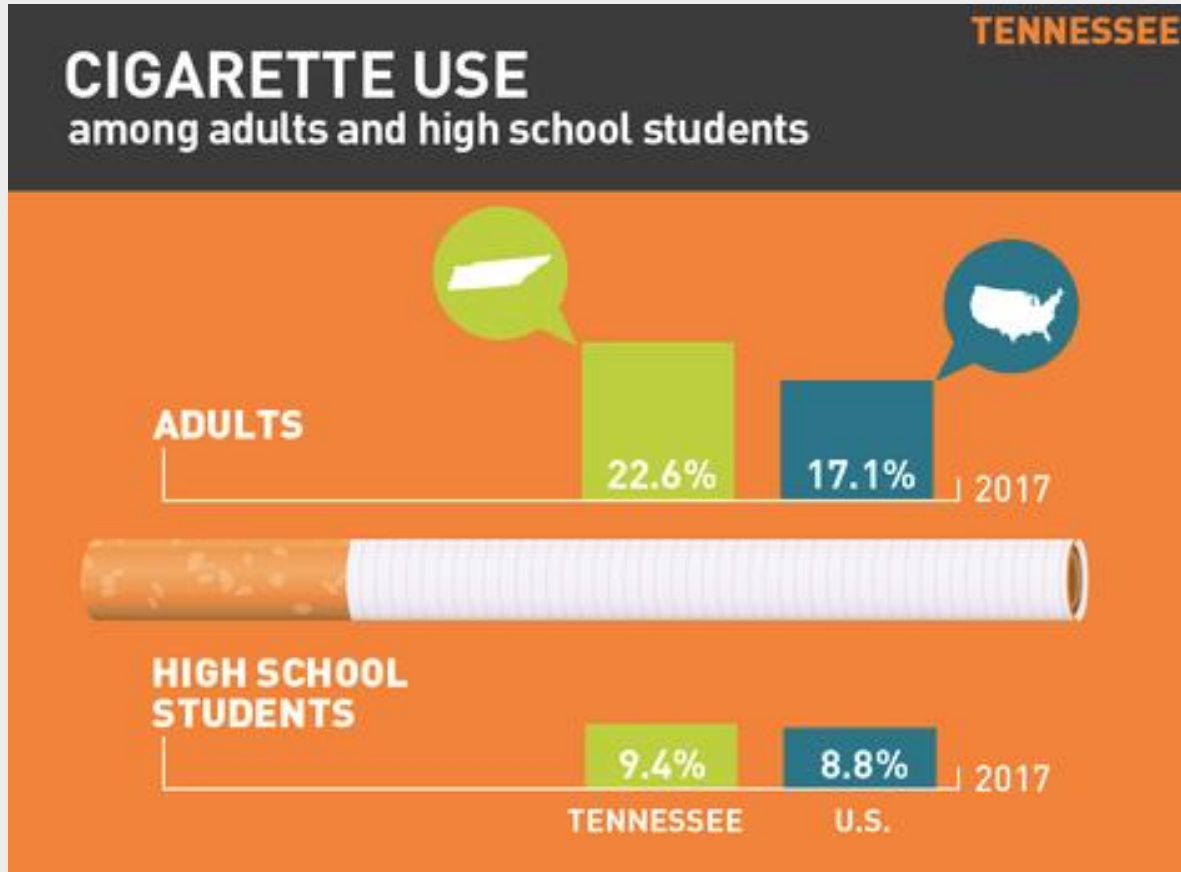


Banned the use of flavored e-cigarette products

FDA Regulations



Tobacco Use in Tennessee (TN)



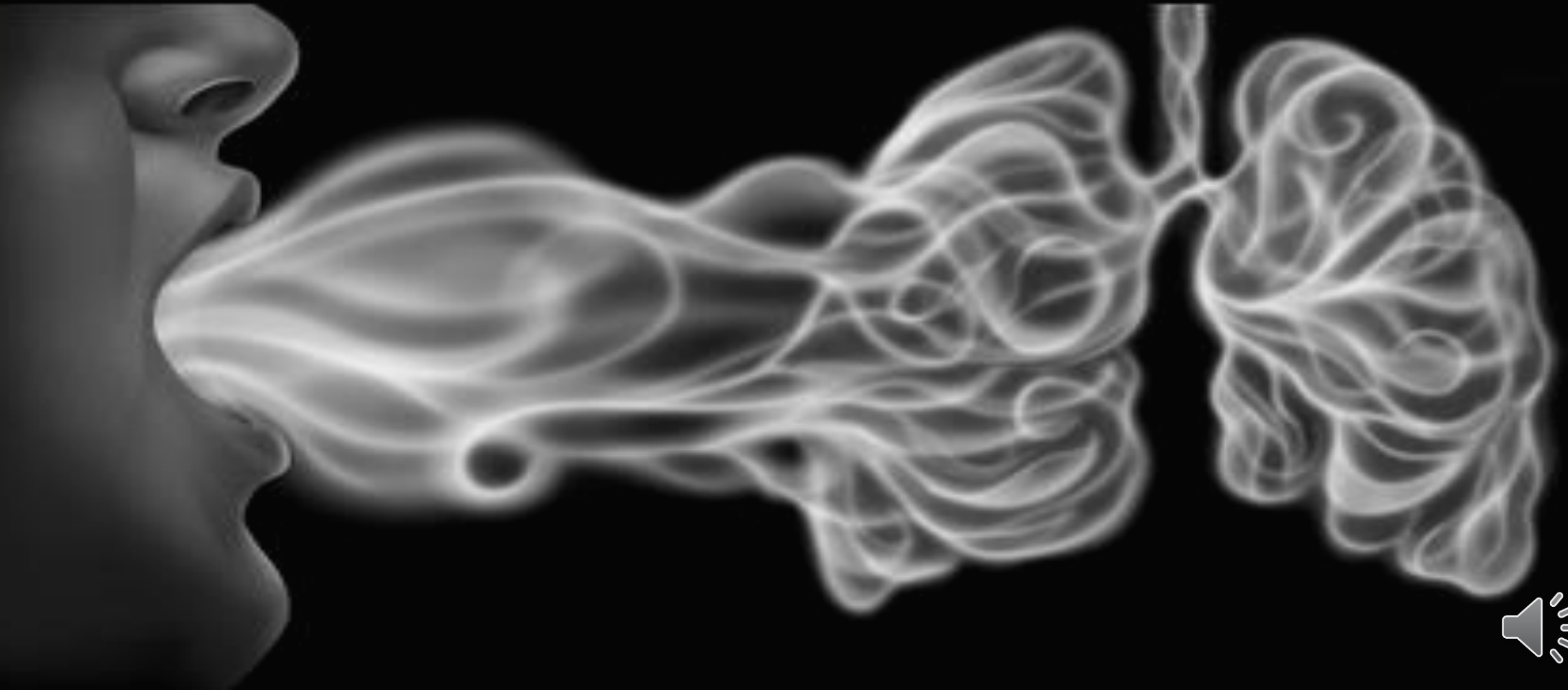
TN Tobacco Control Report

Tennessee's Grades:

- Funding for State Tobacco Prevention Programs – **Grade F**
 - Strength of Smoke-free Workplace Laws - **Grade D**
 - Level of State Tobacco Taxes - **Grade F**
 - Coverage and Access to Services to Quit Tobacco - **Grade F**
 - Minimum Age of Sale for Tobacco Products to 21 – **Grade F**
- The Lung Association encourages Tennessee to put in place all the public policies called for in “State of Tobacco Control.”:
 - **Updating the legal sales age of tobacco products and establishing retail licensure, inspections, and penalties for violations;**
 - **Establishing a tax on e-cigarettes equivalent to the current tax on combustible cigarettes; and**
 - **Increasing funding for tobacco prevention and control programs.**



Health Impact of Tobacco Use in TN

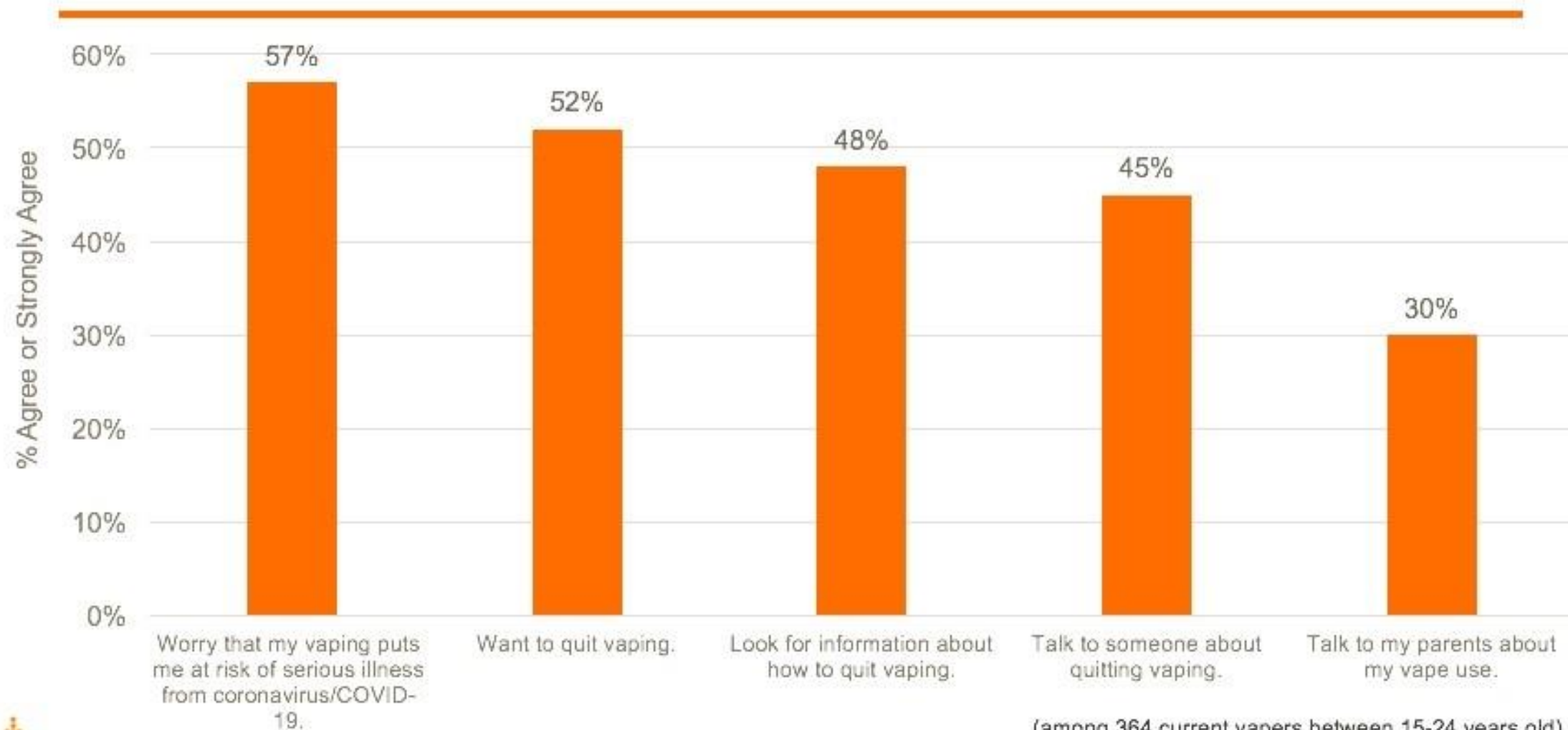


Health Effects of Tobacco Use

- E-cigarette or Vaping Associated Lung Injury (EVALI)
- Nicotine is highly addictive, can affect developing brain in youth
- Cancer
- Heart disease
- Stroke
- Chronic Obstructive Pulmonary Disease (COPD), emphysema and bronchitis
- **Increases Coronavirus severity**



How young vapers have responded to the coronavirus pandemic

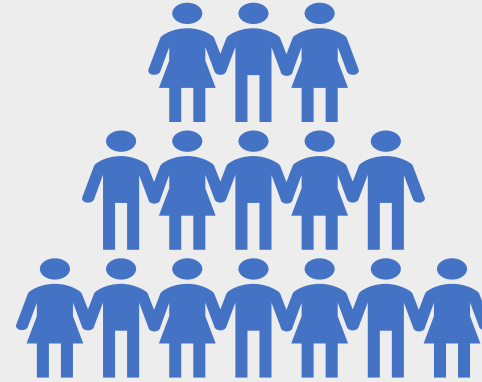


Deaths from Tobacco Use in TN



11,000

Adults who die each year
from their own smoking



125,000

Kids now under 18 and alive in
Tennessee who will ultimately die
prematurely from smoking



Smoking-Caused Monetary Costs in Tennessee

Annual health care costs in Tennessee directly caused by smoking

\$2.67 billion

Medicaid costs caused by smoking in Tennessee

\$823.6 million

Residents' state & federal tax burden from smoking-caused government expenditures

\$974 per household

Smoking-caused productivity losses in Tennessee

\$3.59 billion

Financial Burden of Tobacco Use

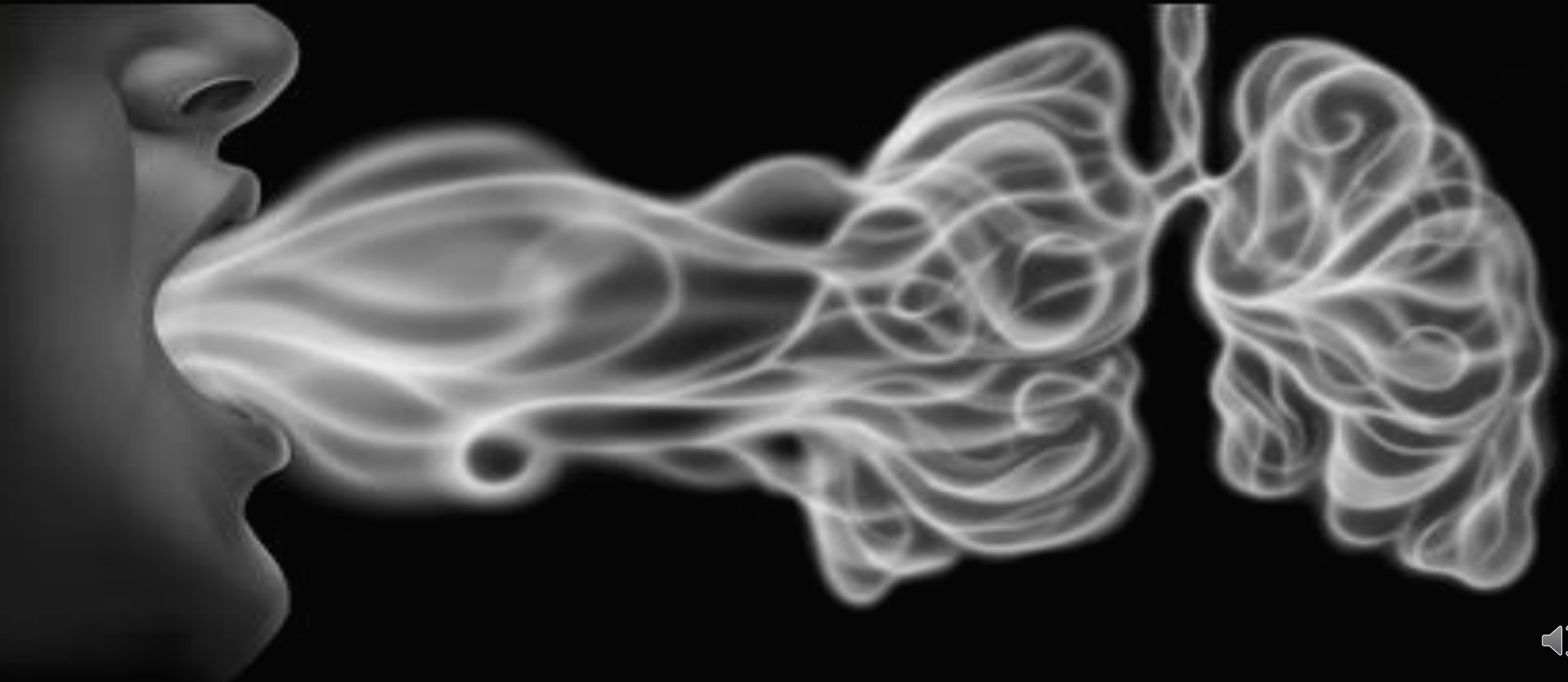


Financial Burden of Tobacco Use

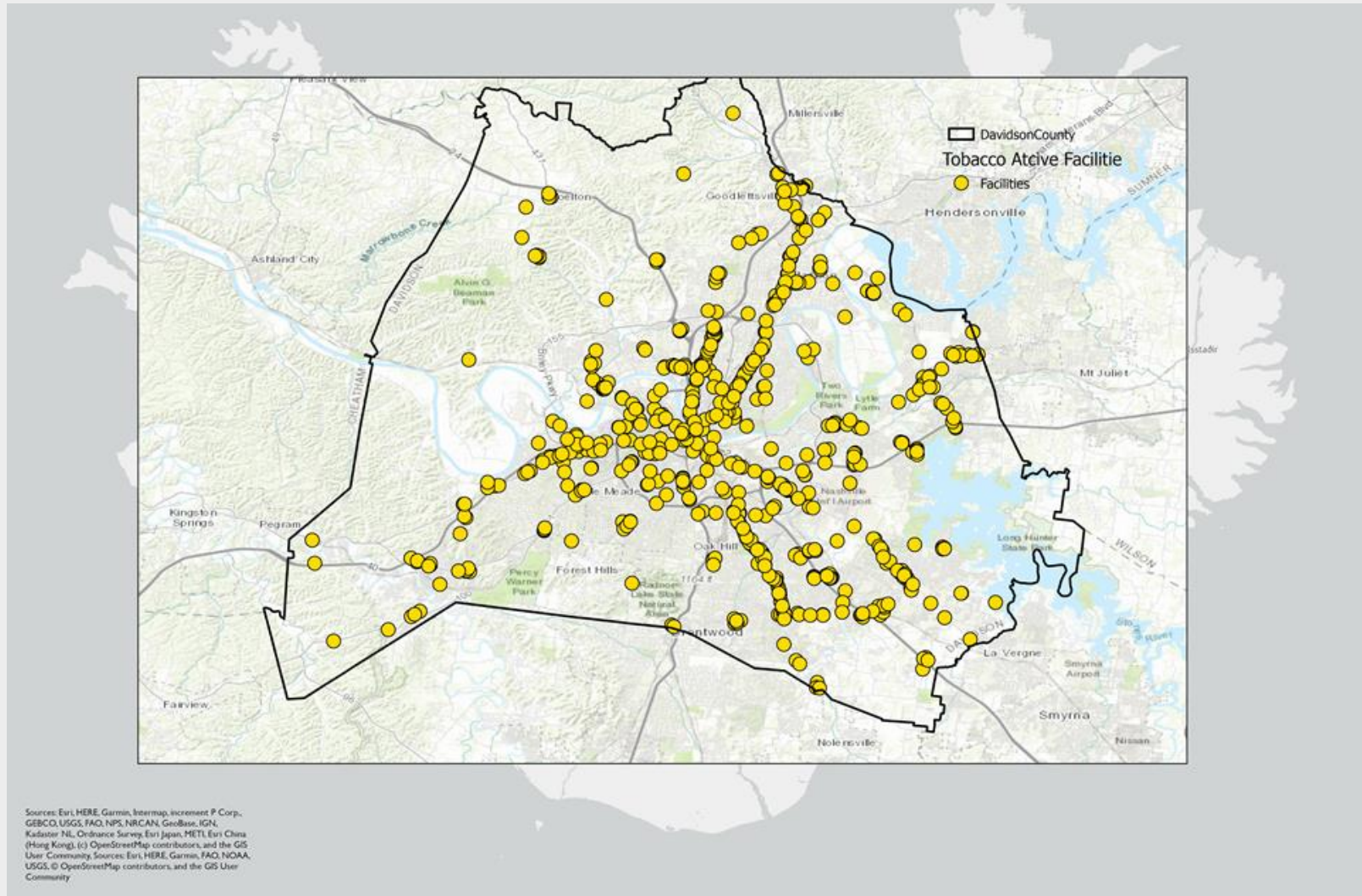
- Tennessee received \$422 million (estimated) in revenue from tobacco settlement payments and taxes in fiscal year 2019.
- Of this, the state allocated \$0 in state funds to tobacco prevention in fiscal year 2019, which is 0% of the Centers for Disease Control and Prevention's annual spending target.



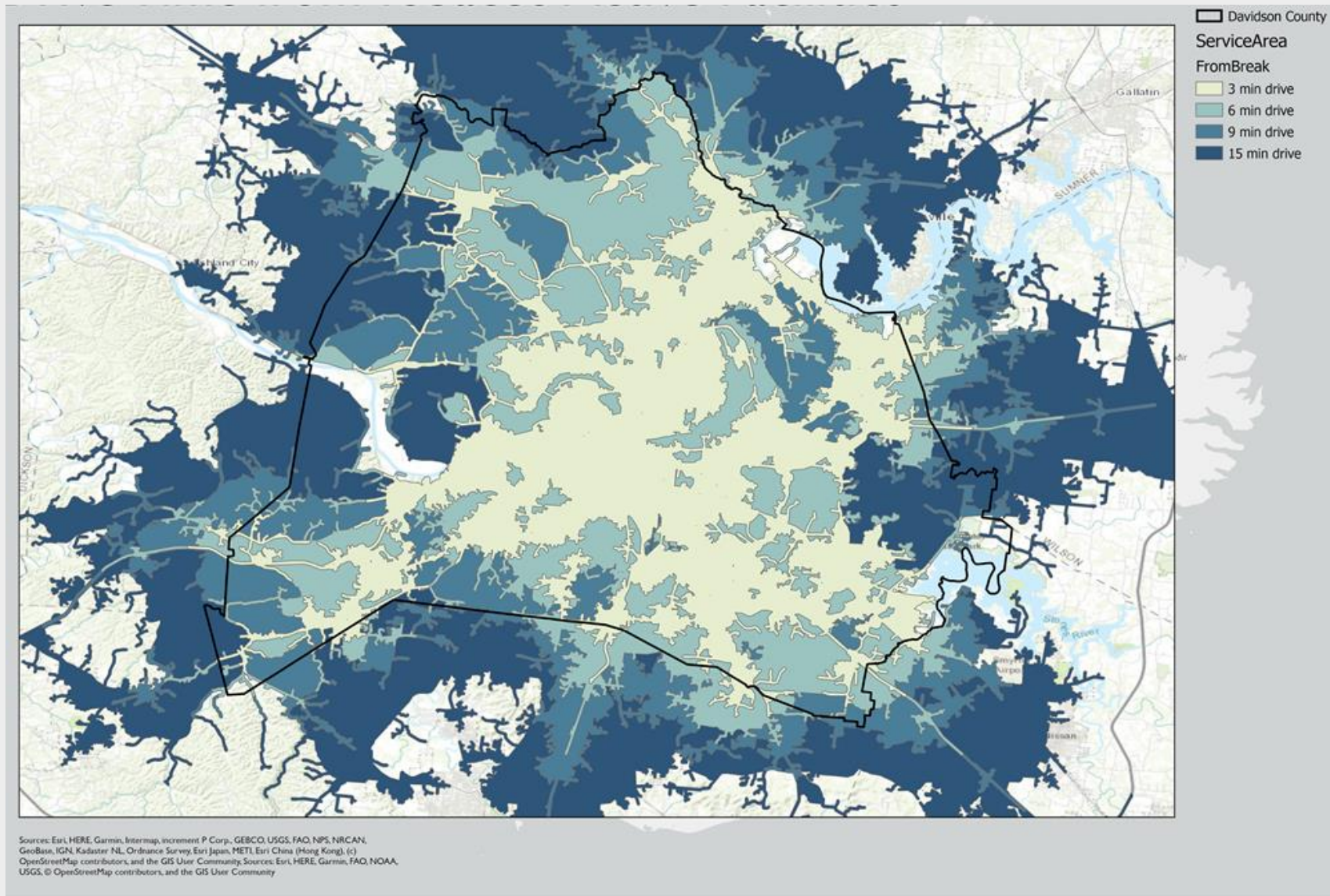
Accessibility of Tobacco Retailers to Vulnerable Communities in Davidson County, TN



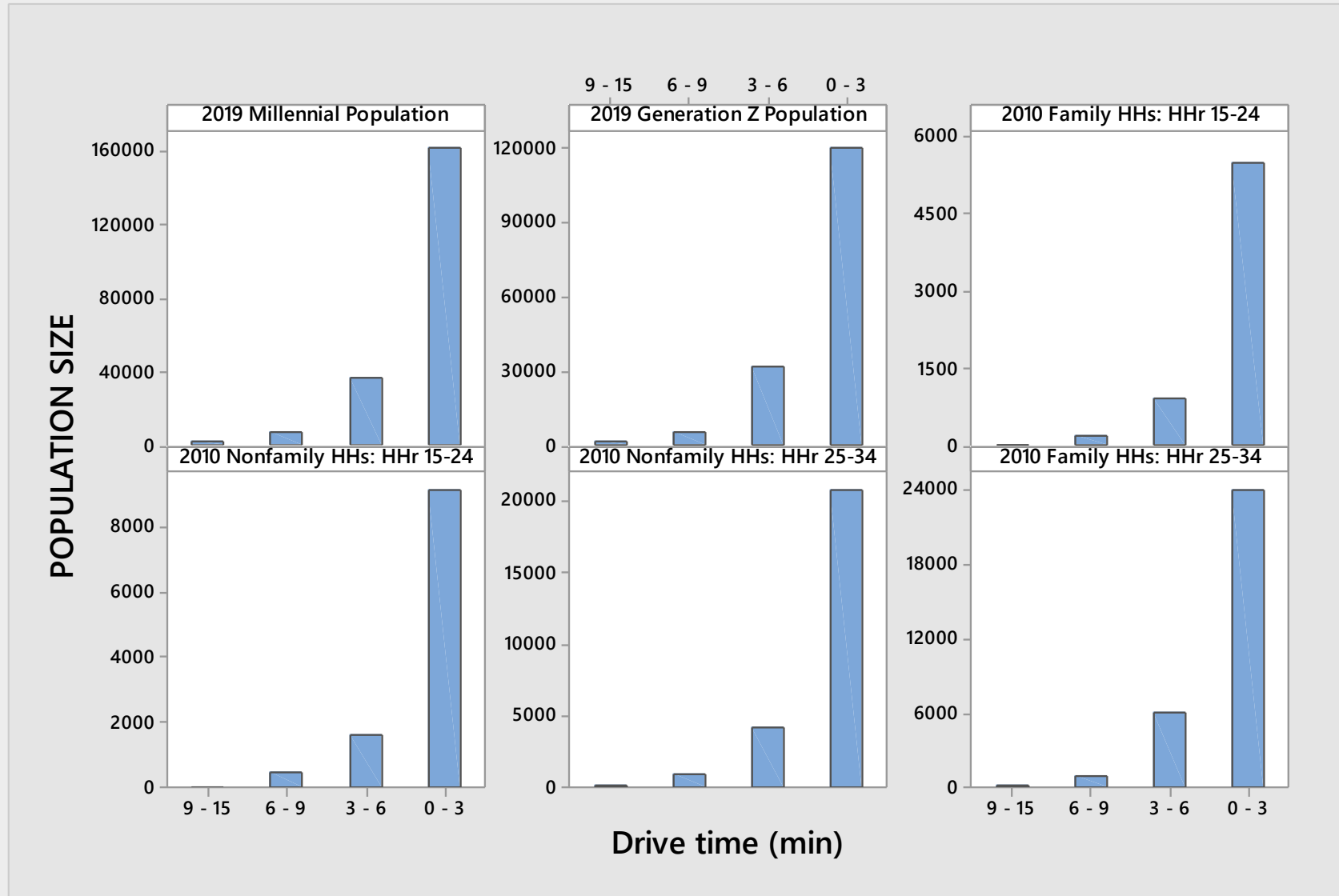
Tobacco Active Facilities in Davidson County, TN



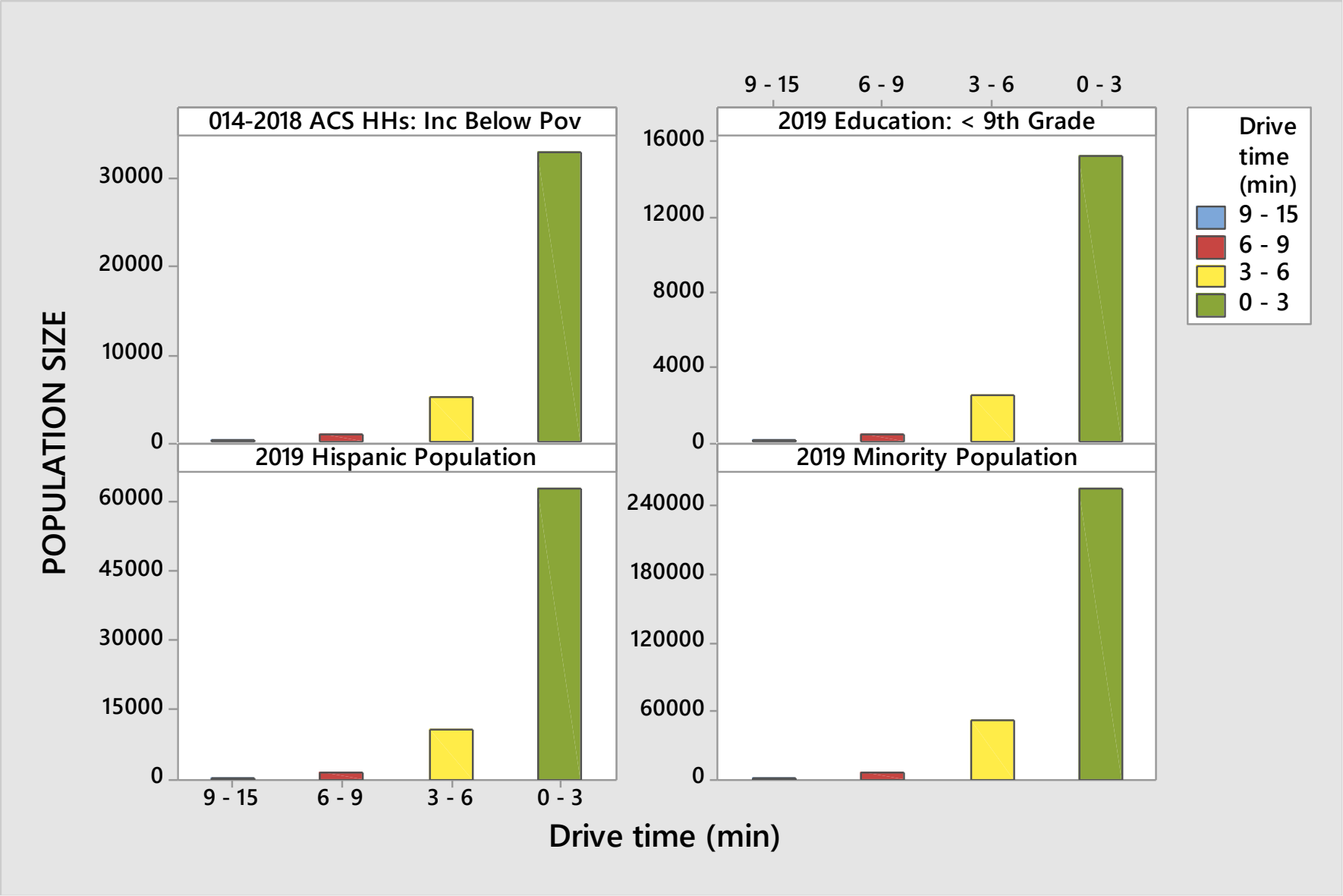
Drive Time to Tobacco Active Facilities



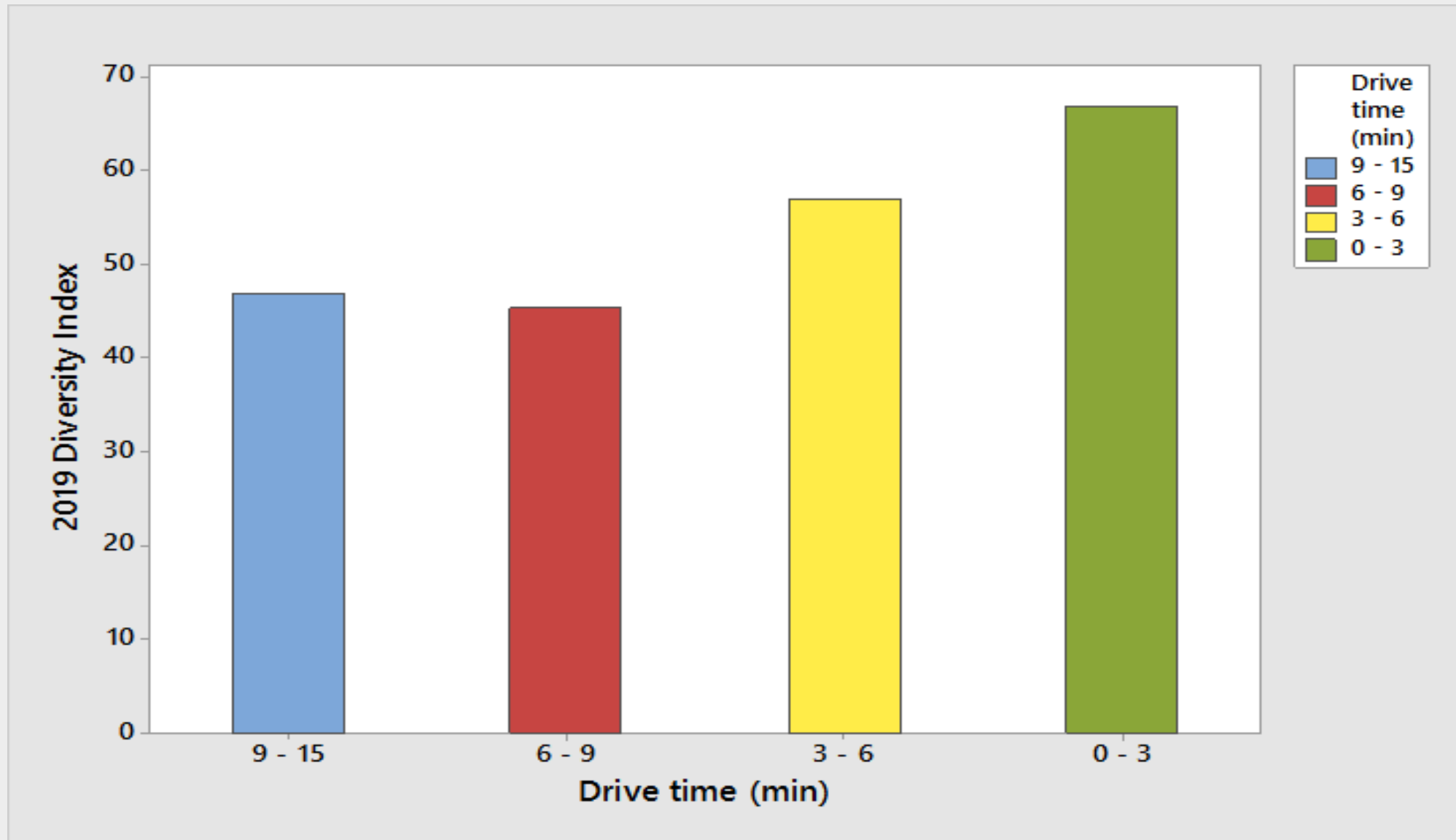
Drive Time to Tobacco Active Facilities by Age Group



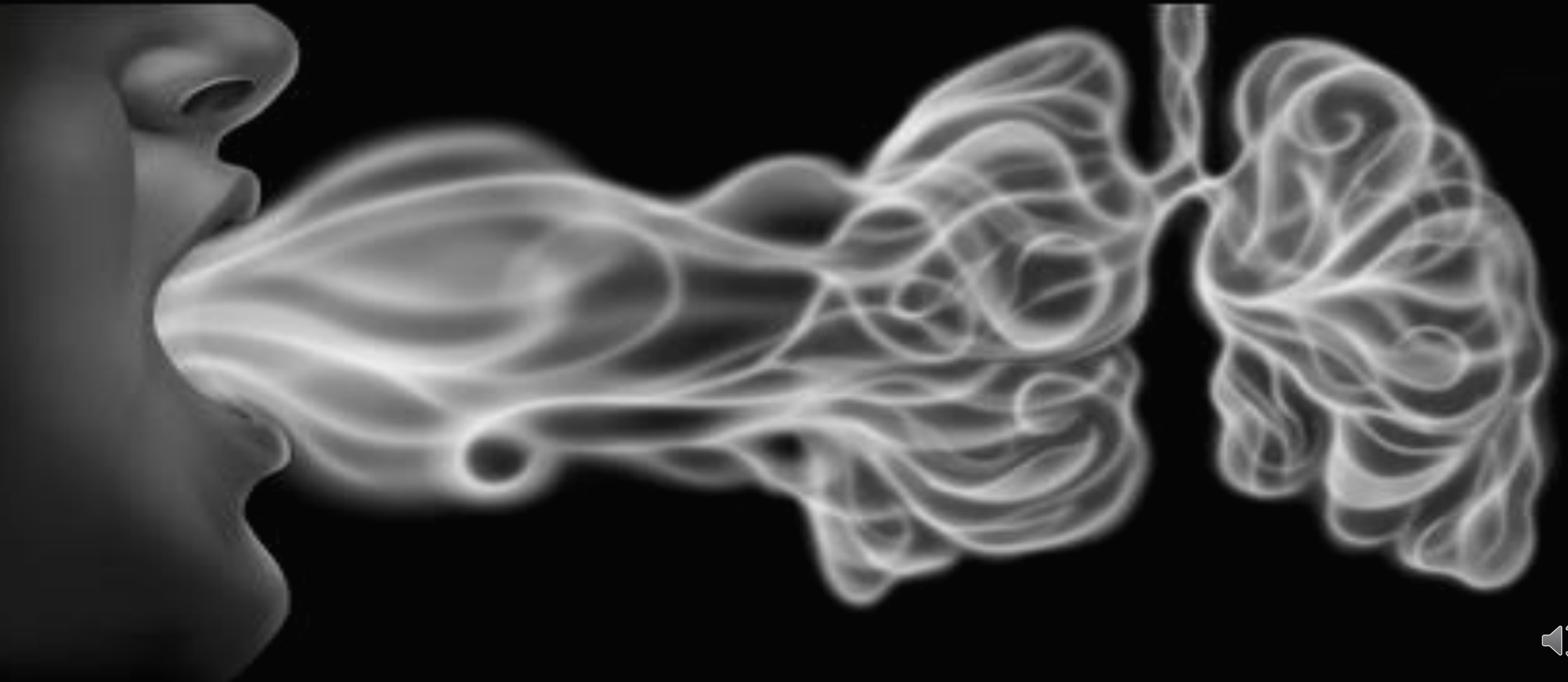
Drive Time to Tobacco Active Facilities by Vulnerable Communities



Drive Time to Tobacco Active Facilities by Diversity Index



Conclusions & Recommendations



Conclusions



High percent of Active Tobacco Retailers located within Davidson County Tennessee



Majority of the vulnerable portion of the community, uneducated, low-income, minority and Hispanic resides within easy geographic access (less than 3 minutes' drive) to the active tobacco facilities (stores)



High population of millennial and generation Z age group located within 0-3 minutes driving time to tobacco active facilities.



The high diversity reveals that the active tobacco facilities (stores) are located within an easy geographically accessible (less than 3 minutes' drive) location to the most diversified communities.



Recommendations

- Limit proximity of retailers to schools by geographic area
- Limit proximity of retailers to retailers to decrease overall density
- Enact and enforce policy restrictions to prevent new retailers from opening within a 1,000 feet of vulnerable communities.
- Establish a tax on e-cigarettes
- Increase e-cigarette cessation programs for youth

Tobacco Cessation Resources for Youth

QUITPLAN SERVICES
Free quitting services available to all Minnesotans. QUITPLAN Services offers a variety of options to help people quit:
• QUITPLAN Helpline (telephone counseling) - All ages
• Printed Quit Guide - All ages
• Email program - Age 13 or older
• Use of quitplan.com - Intended for those aged 14 and above
• Text program - Age 16 or older
• Nicotine replacement therapy - Age 18 or older
To register online at www.quitplan.com, users must be at least 13 years old. Anyone can call 888-354-PLAN (7526) to register at any time.

TEEN.SMOKEFREE.GOV
Smokefree Teen helps teens stop using tobacco by providing information grounded in scientific evidence and offering free tools that meet teens where they are - on their mobile phones.
• Text messaging program
• quitSTART mobile app
• Live!help online chat

HEALTH PLANS
• Call the number on the back of your insurance card to see what is available
• Each health plan will have their own options, youth and parents should check with their health plan

ex EX PROGRAM BECOMEANEX.ORG
• Quit vaping text program
• Text QUIT to 202-804-9884
• Teens 13-18 who vape receive text message-only support

AMERICAN LUNG ASSOCIATION
LUNG.org | 1-800-LUNGUSA

TIRED OF WEIRDLY CRAVING MANGOS EVERY TIME YOU TRY TO LIVE YOUR LIFE?

IF YOU'VE REALIZED NEEDING YOUR JUUL ISN'T A GREAT FEELING...
...AND ALL MY MONEY IS GOING TO JUUL PODS
(OR WHATEVER VAPE PRODUCT YOU FORMERLY LOVED)

WE'VE GOT YOU.

TEXT "VAPEFREEDC" TO 88709
AND GET FREE ADVICE, TIPS AND INSPIRATION FOR QUITTING

QUITTING THIS IS QUITTING

IN PARTNERSHIP WITH PUBLIC HEALTH
Text Zeroes Project
Citi-Ment Health



Acknowledgements

TN Department of Health Ellington Agricultural Center,
436 Hogan Road, Nashville, TN 37220



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11. US Census Data 2010

Thank You

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