



Mapping Alcohol Outlet Locations to Inform Policy & Programmatic Strategies

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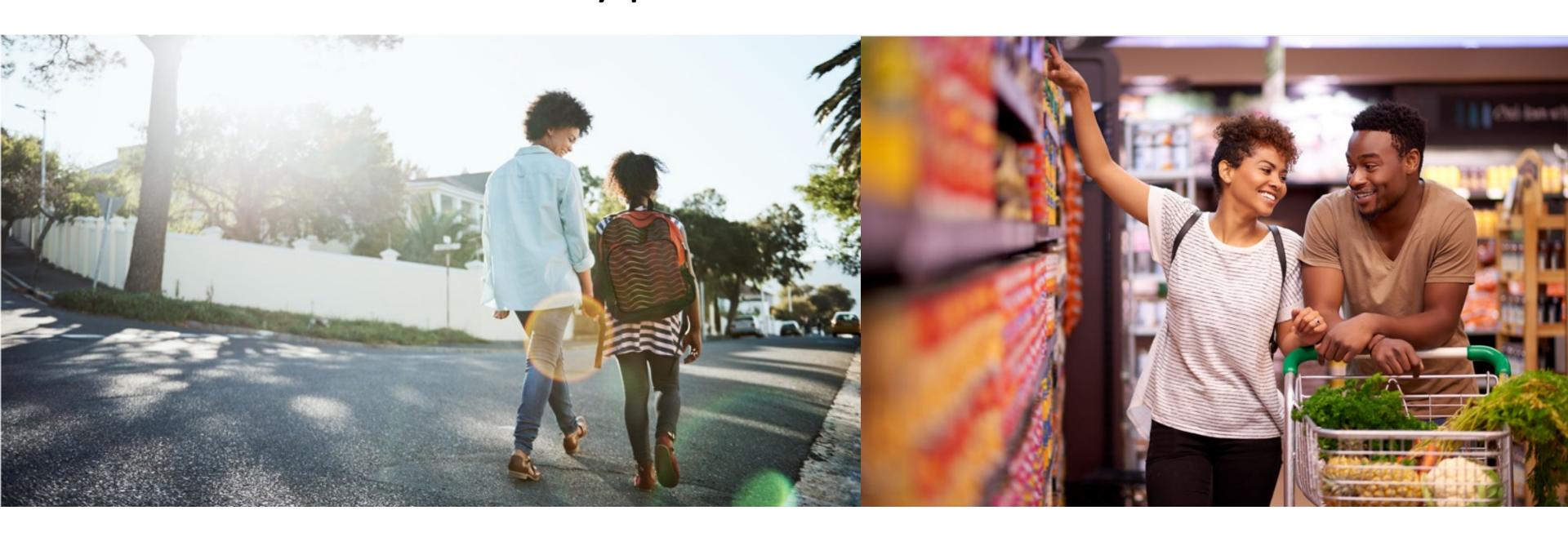
As required by the Alcohol Policy 19 Conference, we have signed a disclosure statement and note the following conflict(s) of interest:

None



Our Vision

We envision a nation where healthy living is equitable across communities and every person has access to healthful choices.



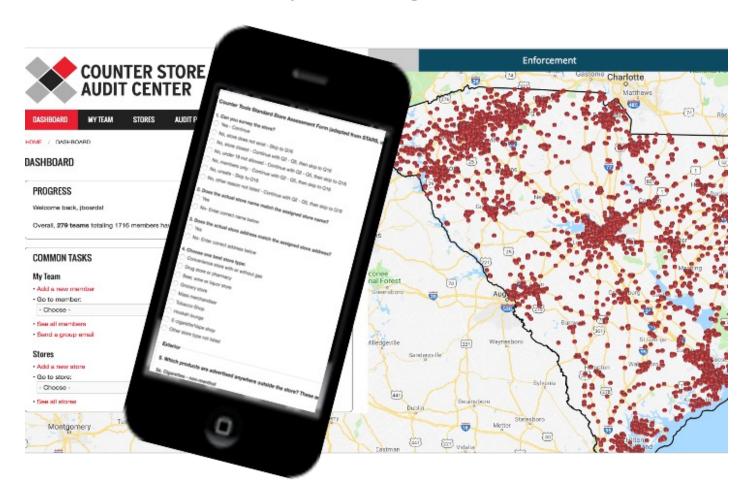


What We Do

We work with partners to advance place-based public health and health equity through policy, systems and environmental changes.

- Consulting
- Training
- Storytelling

- Providing Tech Tools
- Supporting Advocacy Efforts
- Disseminating Science and Best Practices



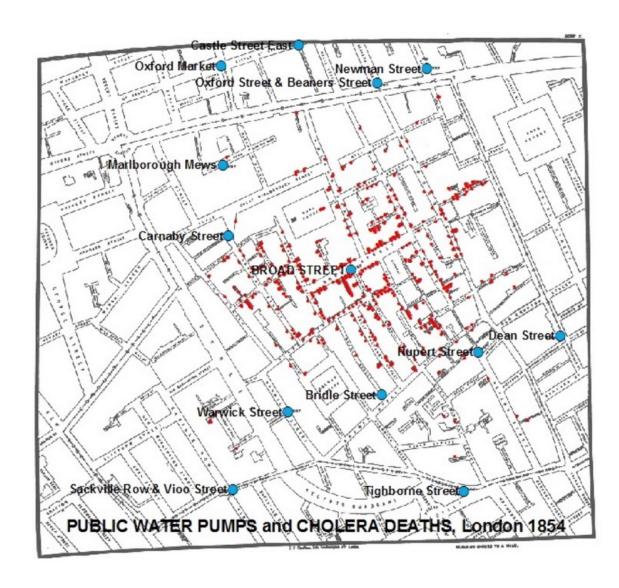


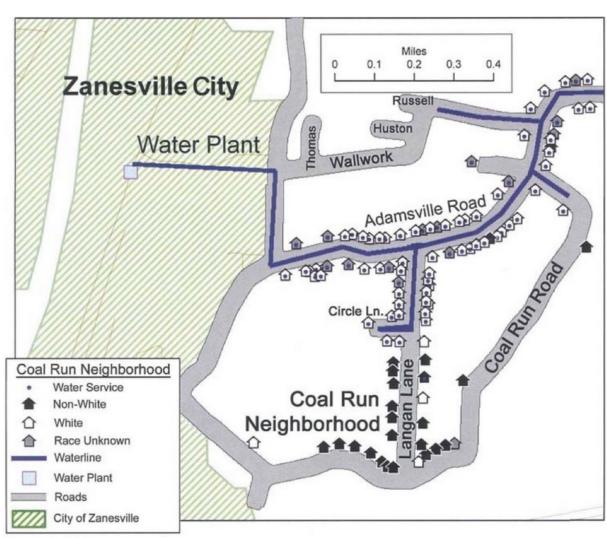


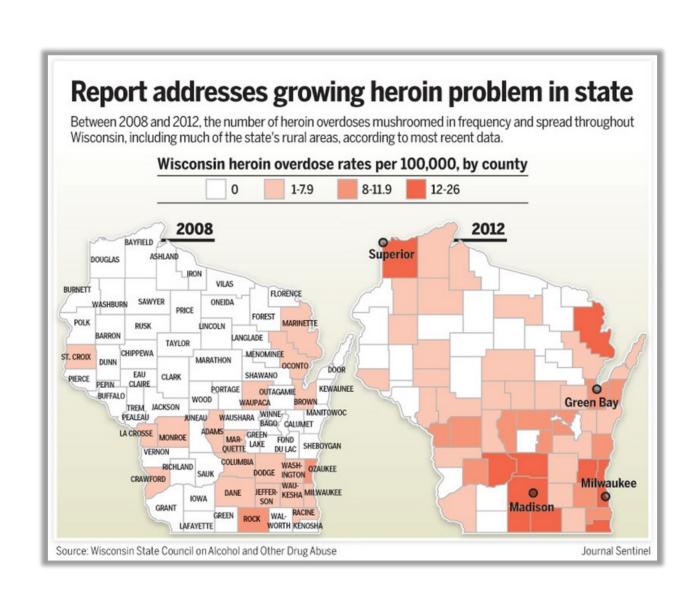




Mapping as a public health tool







View point locations

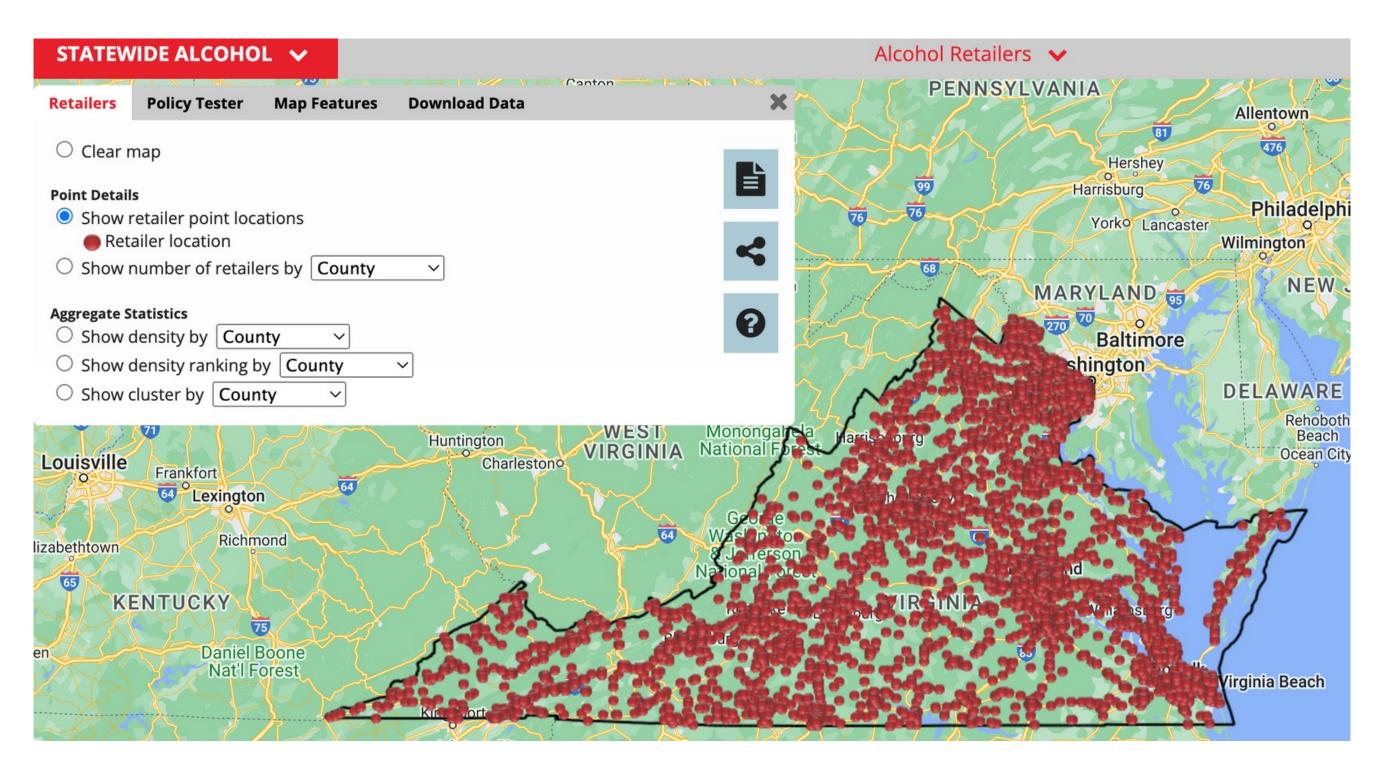
Illustrate disparities

Visualize trends



Virginia Store Mapper

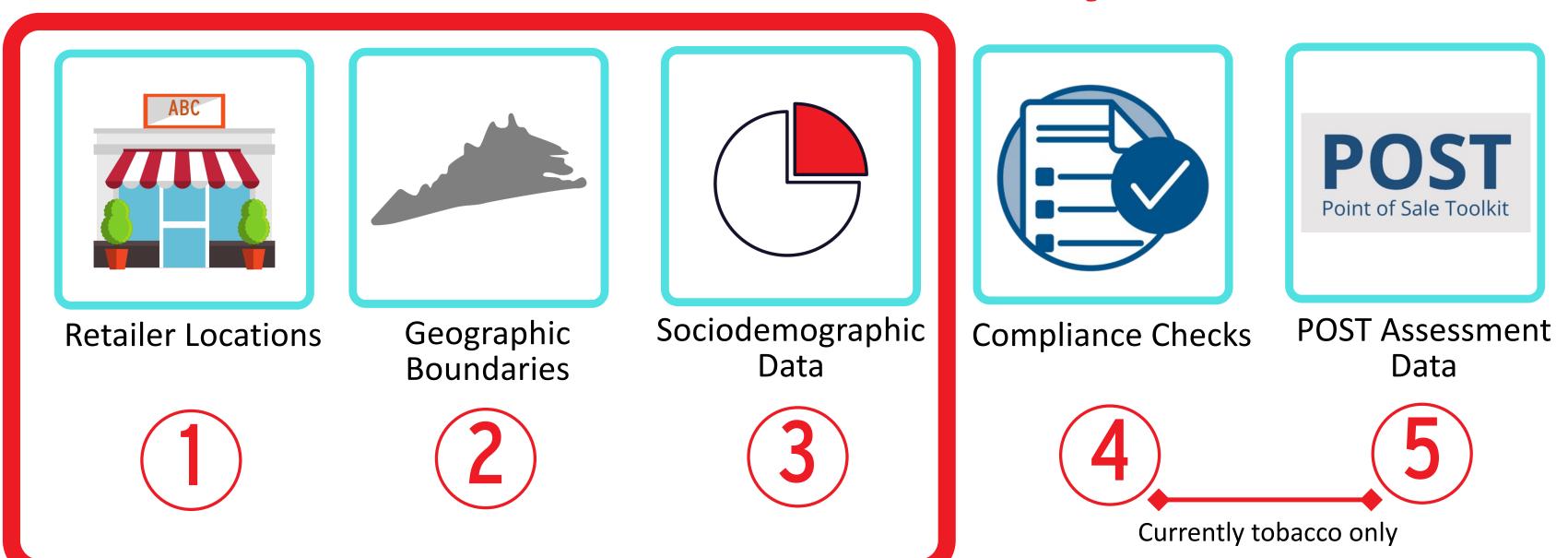
https://mapping.countertools.org/virginia_alcohol/



- 16,704 retailer point locations based on 2021 license list
- Removed select store types (wholesalers, shipping)



Store Mapper Information Layers





Questions we can answer by mapping alcohol outlets

Data Visualization

- Where are retailers located?
- Where are schools and parks?
- What is the variation in neighborhood demographics (income, race, age, etc.)?

Data Analysis

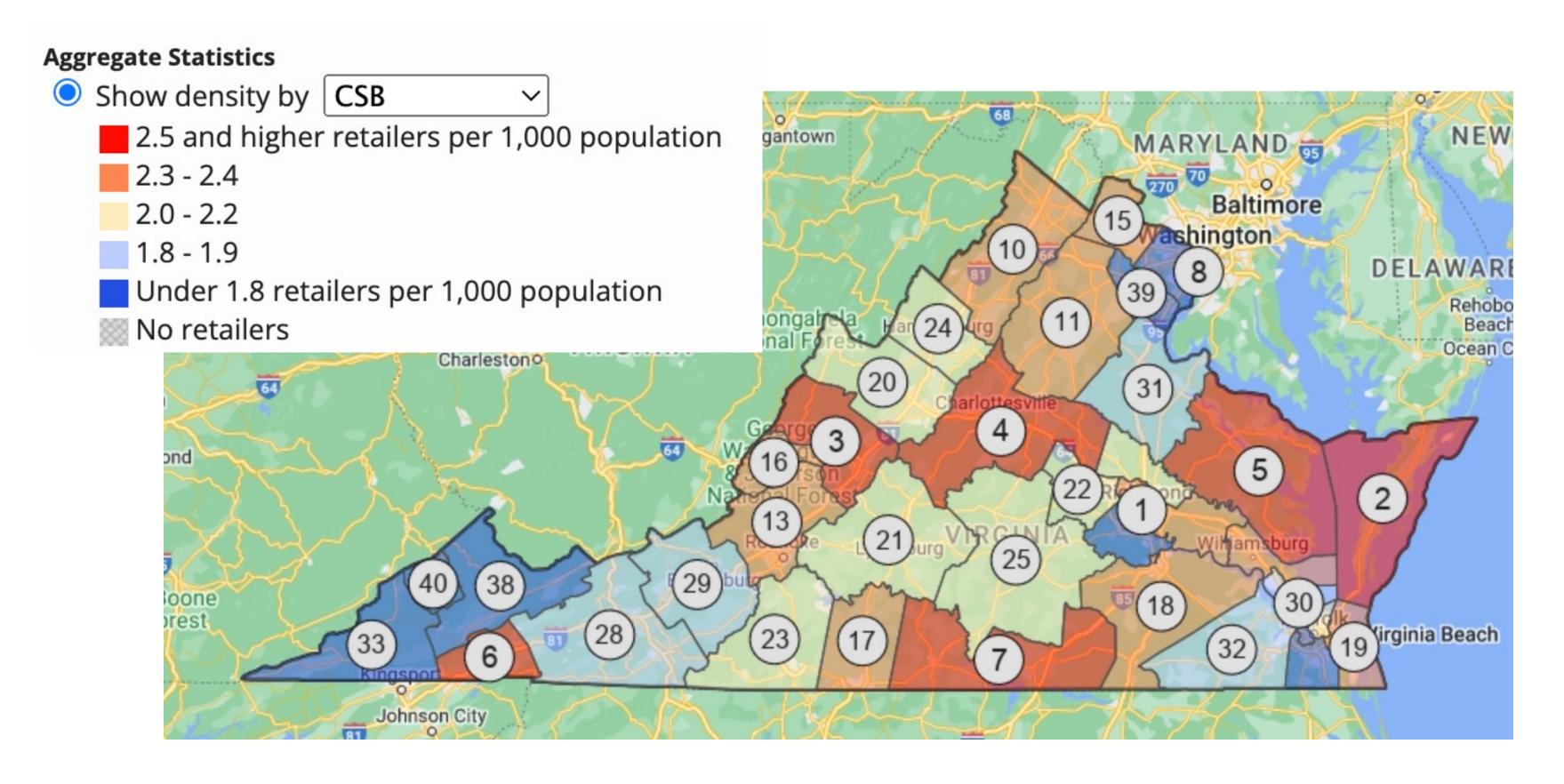
- What is the retailer density?
- Which retailers are near youth-serving venues or other retailers?

Data Synthesis

- How do my measures change based on demographics?
- How would policies impact retailer landscape or health disparities?
- How do areas compare to statewide rates or measures?



Compare Outlet Density

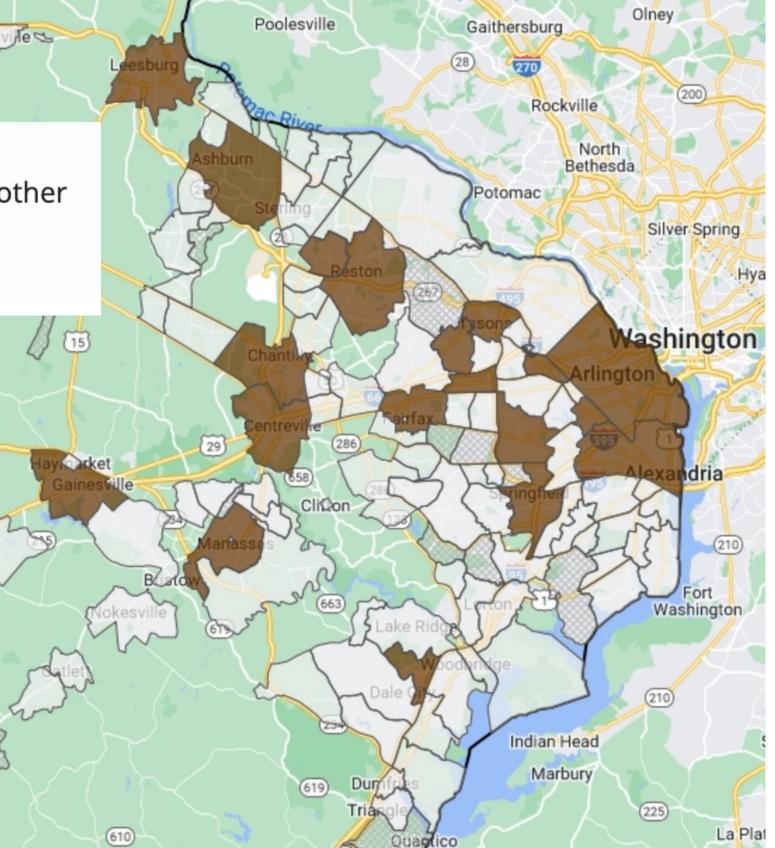




Identify Clusters

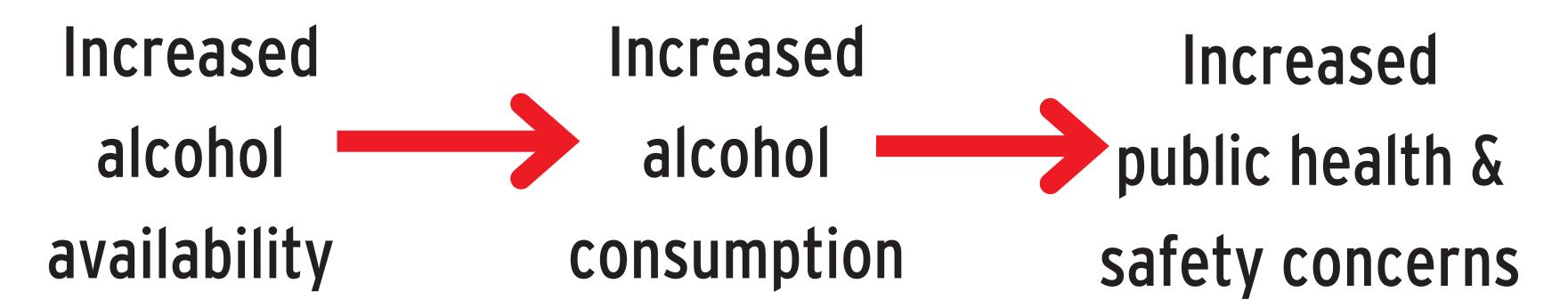
Show cluster by City/Town
 Cluster, 50 or more retailers within 528' of another
 Not a cluster

Mo retailers





Why is this important?



Including:

violent crime

- traffic crashes
- domestic violence
- suicide
- underage drinking
- property damage



Huckle T, Huakau J, Sweetsur P, Huisman O, Casswell S. Density of alcohol outlets and teenage drinking: living in an alcogenic environment is associated with higher consumption in a metropolitan setting. Addiction. 2008 Oct Jewell R, Brown R. Alcohol availability and alcohol-related motor vehicle accidents. Applied Economics 1995;27:759-65.

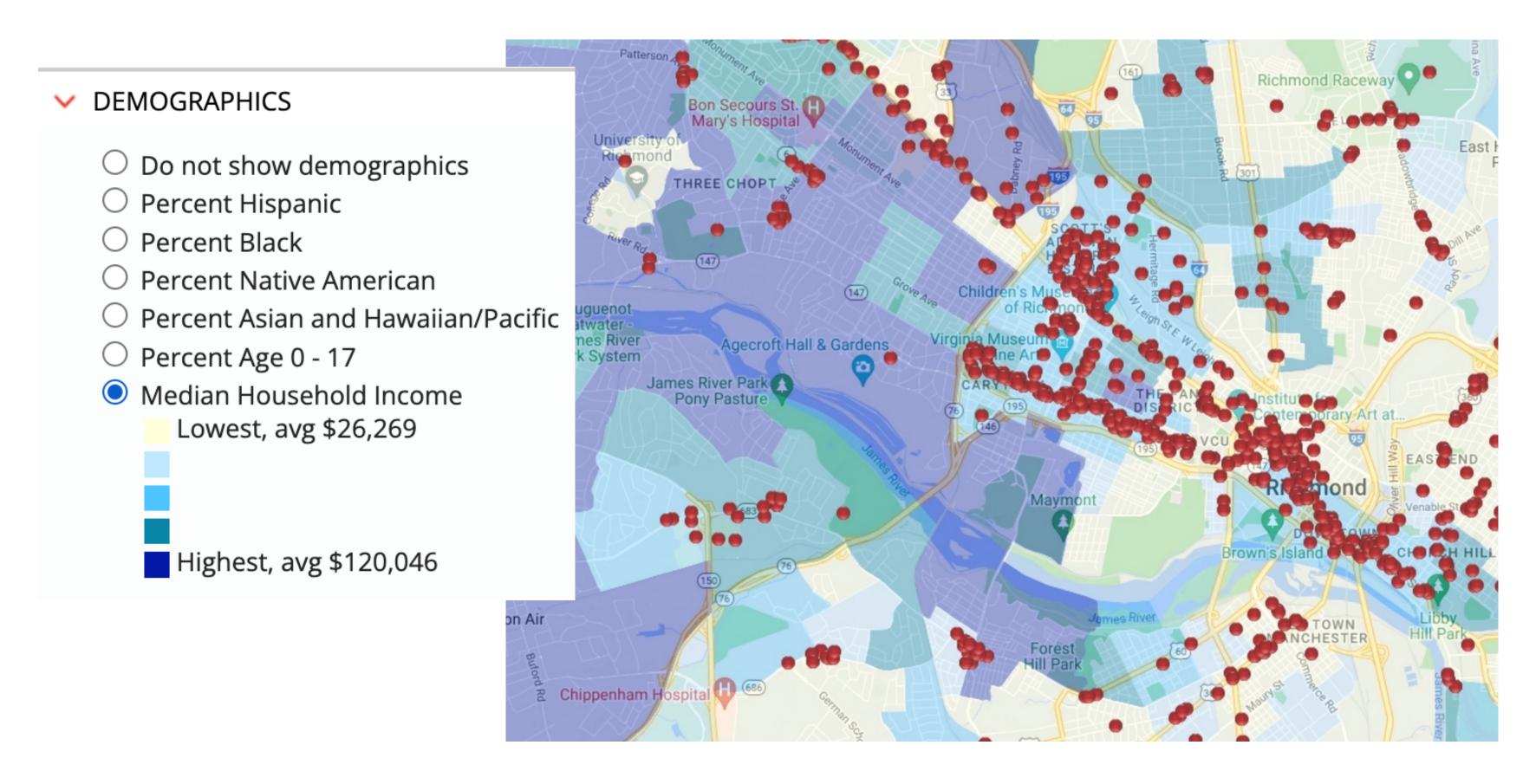
Johnson, F.W., Gruenewald, P.J. and Remer, L.G. (2009), Suicide and Alcohol: Do Outlets Play a Role?. Alcoholism: Clinical and Experimental Research, 33: 2124-2133.

Wilkinson, C., & Livingston, M. (2012). Distances to on-and off-premise alcohol outlets and experiences of alcohol-related amenity problems. Drug and alcohol review, 31(4), 394-401.

Livingston M. A longitudinal analysis of alcohol outlet density and domestic violence. Addiction. 2011 May;106(5):919-25.

Snowden, A. and T. Freiburger, Alcohol outlets, social disorganization, and robberies: Accounting for neighborhood characteristics and alcohol outlet types. Social science research, 2015

Overlay Demographic Data



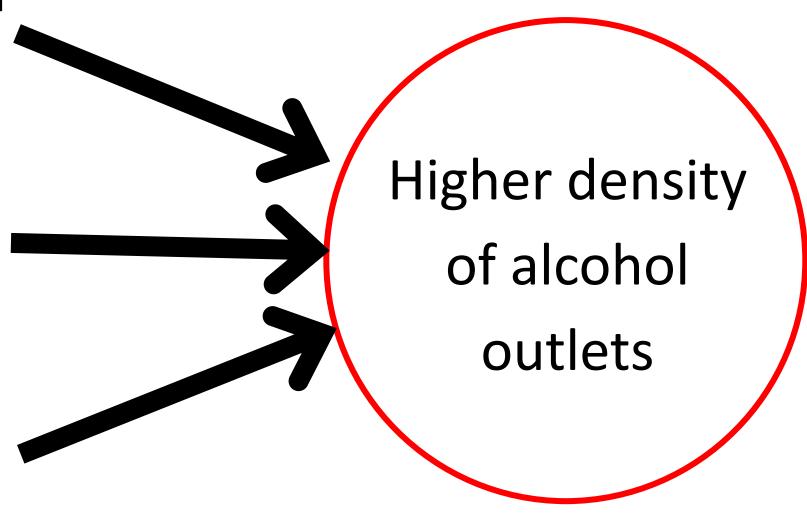


Why is this important?

Higher proportions of Black residents

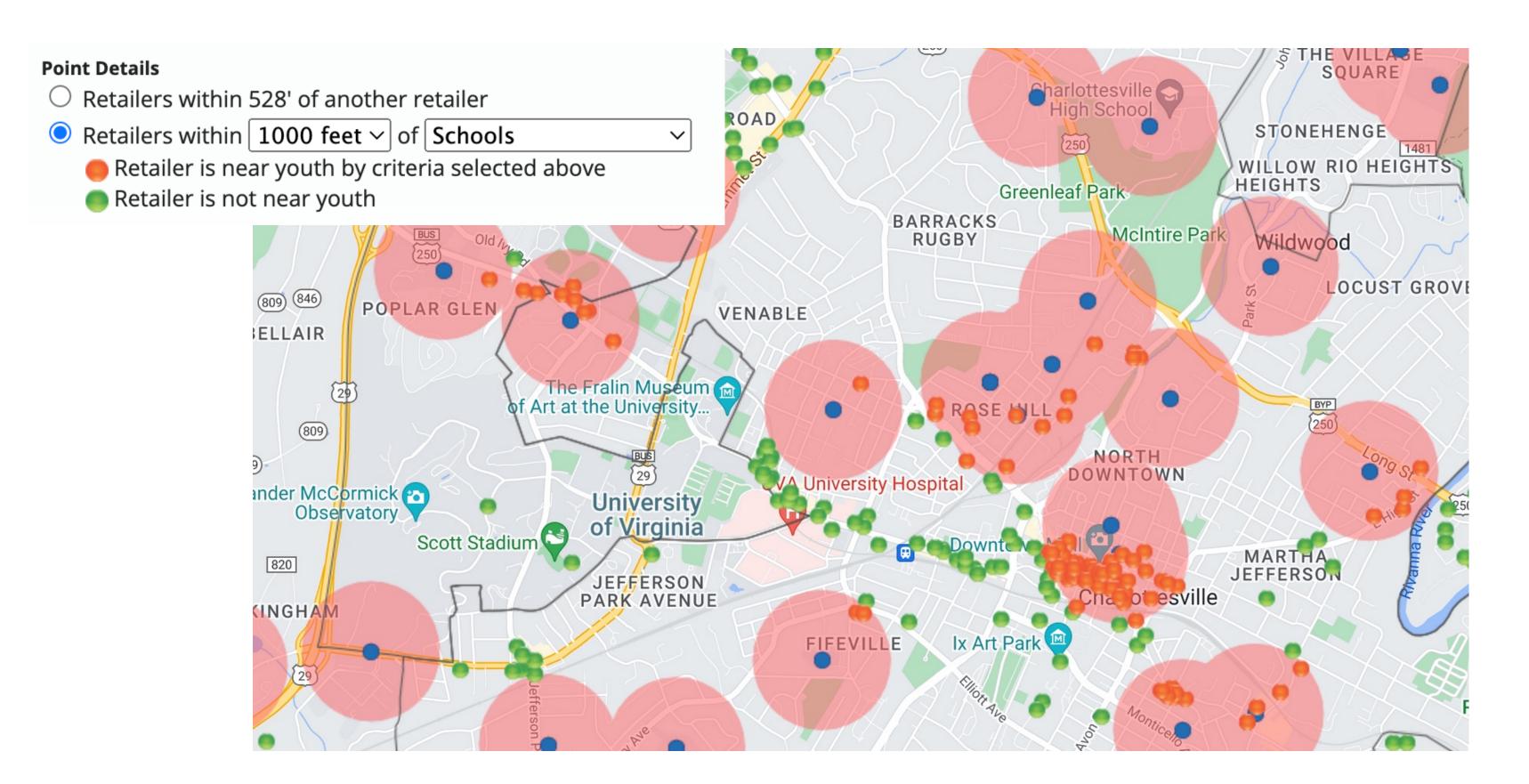
More families living in poverty

Lower educational attainment among residents





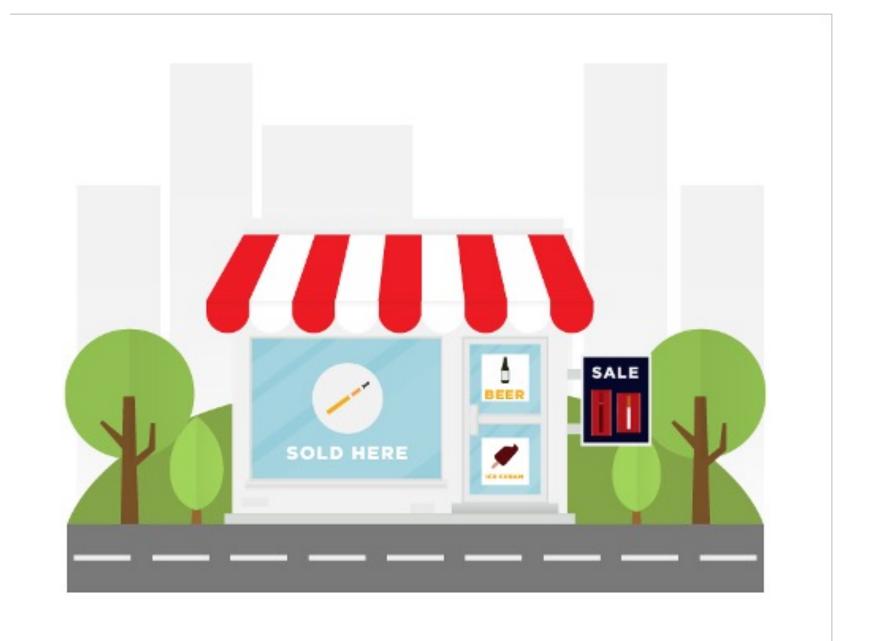
Test Policy Options





Why is this important?

"The Community Preventive Services Task Force recommends the use of regulatory authority to limit alcohol outlet density, on the basis of sufficient evidence of a positive association between outlet density and excessive alcohol consumption and related harms."



Mapping is a tool to visualize the impact of licensing or zoning regulations, including health equity implications

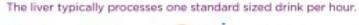


Counter ACT

ALCOHOL FACTS

Alcohol is the third-leading preventable cause of death in the United States.







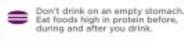




WINE

1.5 OZ LIQUOR' *80 PROOF







Pace yourself, alternate with water and keep track of how much you







- Valid drivers license
- U.S. Passport

BEER

- Armed forces identification card
- Foreign government visa



SECOND PARTY SALES

Do not sell alcoholic beverages and/or tobacco products to anyone, even if they are of age, if you know or believe they are buying on behalf of an underage, or intoxicated person







It is the responsibility of licensees not to sell alcoholic beverages to an intoxicated patron. The sale of alcohol to an intoxicated individual may result in a criminal summons for the individual seller and an administrative violation against the





















THE SALE OF TOBACCO PRODUCTS. **NICOTINE VAPOR PRODUCTS OR ALTERNATIVE NICOTINE PRODUCTS**

TO ANY PERSON UNDER 21 YEARS OF AGE IS PROHIBITED BY LAW.

THE ISSUE: YOUTH AND TOBACCO

8.700 Virginia kids become new daily nicotine users every year.

152.000 kids alive in Virginia today are estimated to die early from smoking.1

More than **95% of smokers** started before the age of 21.²

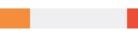








Nearly 3.6 million youth use e-cigarettes/vapor products on a daily basis.



nicotine from smoking just a

few cigarettes or uses of an

Tobacco contains the highly

addictive drug NICOTINE.

Research shows youth

can become addicted to





Campaign for Tobacco Free Kids

electronic cigarette.2

² Surgeon General's Advisory on E-Cigarette Use Among Youth 2018.

MERCHANT RESPONSIBILITY

any tobacco product. Refuse a sale if:

By properly checking I.D.s and refusing to sell tobacco to youth, retailers can help protect Virginia youth from tobacco.



- Customer appears underage and does not have a proper
- · Youth gives you a note written by a parent requesting tobacco or nicotine products.
- An adult is purchasing tobacco or nicotine products for a youth.

How to spot a fake/invalid I.D.

- · Compare the photo I.D. with the person standing in front of you.
- · Just because someone hands you an I.D. don't assume they are over 21.
- · Hold the I.D. in your hand and feel for any unusual raised surfaces.
- · Carefully check the date of birth on the identification.
- · Check the expiration date. If it is expired, you cannot accept it.

Refusing a sale

When you refuse a sale, inform the customer that you refused the sale because it is illegal for you to sell tobacco or nicotine products to anyone younger than 21.

Penalty for selling to a youth

A conviction for an illegal sale and/or refusing to require proof of age is punishable by a civil penalty up to:

- \$100 for a first violation
- \$200 for a second violation
- \$500 for a third or subsequent violation



Point of Sale Alcohol Questions

- Are non-alcohol beverages (soda, water, fruit juices) placed in the same or adjacent cooler as alcohol beverages? Yes or No
- Are single serving cans of alcohol available in the coolers? This includes "mini's" of wine plus canned beverages that cannot be resealed regardless of size. Yes or No
- Is alcohol displayed within 12" of youth products? Yes or No
- Is alcohol displayed or advertised within 3 feet of the floor? Yes or No
- Which of the following locations have advertisements for alcoholic beverages? (select all that apply):
 - On doors or windows outside the store
 - Outside the store anywhere other than on windows and doors (include ads on telephone poles, lawn signs, gas pumps, building walls, etc.)
 - Inside of the store
 - Inside the store on cooler doors
 - None of these



Alcohol Dashboard

Alcohol Availability in Virginia

The availability of unhealthy products, like alcohol, plays a large role in the health of a community. One of the clearest ways to examine the availability of alcohol in a community is to measure alcohol outlet density. An alcohol outlet is anywhere alcohol is sold, including restaurants, bars, grocery stores or gas stations.

In the state of Virginia, there are approximately **16,705** licensed alcohol outlets (excluding importers, wholesalers, carriers, and event/catering venues) and a total population of **8,631,393**.¹ Statewide, Virginia has **19.4** outlets per 10,000 people.

Select a CSB:

Alexandria

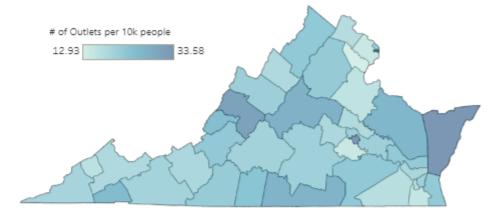
Download PDF



Alcohol Outlet Density

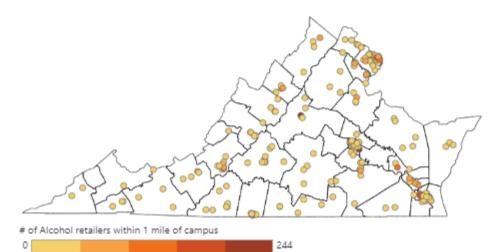
Excessive drinking is associated with a number of negative health outcomes, including injuries, violence, and crime. One of the most effective ways to reduce excessive drinking is by limiting the availability of alcohol by regulating alcohol outlet density. **Alcohol outlet density** refers to the concentration of alcohol outlets, including bars, restaurants, and liquor or package stores, within a given geographic area.

Alexandria has 346 alcohol outlets and total population of 159,467, or 22 alcohol outlets per 10,000 people. Out of the 40 CSB's within Virginia, Alexandria ranks 16 for alcohol outlet density.



Hover over the map area to access the Map Layers tool. Click on the layers icon to add Retailer point locations.

Locations of Colleges and Universities



Alcohol Outlets Near College & University Campuses

Across the state, 31% of all alcohol outlets are within 1 mile of a college or university campus. Virginia has 207 college and university campuses with more than 630,753 students enrolled.² In total, these campuses have 5,133 alcohol outlets within 1 mile of campus. Having alcohol outlets nearby means college and university students have easy access to alcohol and high exposure to alcohol marketing and advertising at the point-of-sale.

In **Alexandria**, there are **21.7** alcohol outlets per 10,000 people. There are **294** alcohol retailers within 1 mile of **3** colleges, impacting the more than **17,000** students enrolled.

*Total number of students impacted is the minimum based on available enrollment data. If 0, enrollment data was unavailable.



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