# Alcohol, Equity, and **Social Justice:** BREAKING THE SILENCE



South Southwest (HHS Region 6)

C Prevention Technology Transfer Center Network Funded by Substance Abuse and Mental Health Services Administration David Jernigan, PhD February 27, 2024

#### Acknowledgement

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At the time of this publication, Miriam E. Delphin-Rittmon, Ph.D, served as Assistant Secretary for Mental Health and Substance Use in the U.S. Department of Health and Human Services and the Administrator of the Substance Abuse and Mental Health Services Administration.

The opinions expressed herein are the view of PTTC Network and do not reflect the official position of the Department of Health and Human Services (DHHS), SAMHSA. No official support or endorsement of DHHS, SAMHSA, for the opinions described in this document is intended or should be inferred.

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## Learning Objectives

Explain how inequity is infused in the history of alcohol policy in the United States.

Describe health inequities' contribution to alcohol-related harms and explore the role of alcohol in violence.

Describe how the alcohol industry perpetuates and supports inequity and social injustice, at national and local levels.



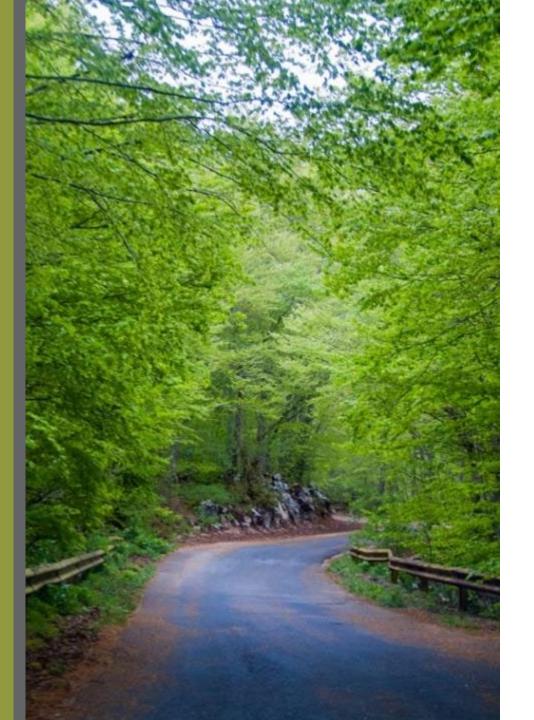
Examine evidence-based alcohol policies that alleviate inequity and address social justice issues.

Consider the role of ATOD-focused community coalitions in supporting the development of equitable polices.



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## Our Roadmap Today

- Introductions
- ✓ Overview
- ✓ History Of Alcohol and Oppression
- Oppressive Marketing Practices
- Policies That Work
- ✓ How To Get There
- Evaluation



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#### Who am I?





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#### Today's "Alcohol Story"

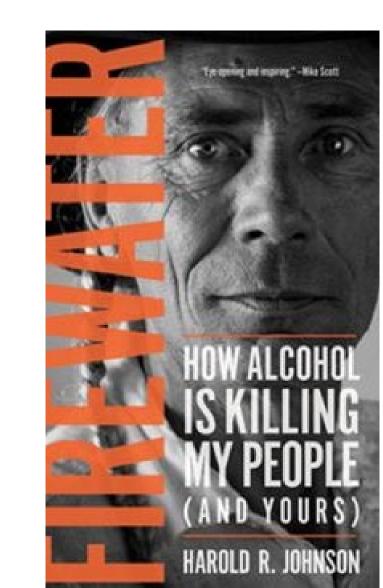
#### Ignores much of history

Is primarily told by a handful of giant and highly profitable transnational corporations

Is an individual story, not a wider social story

Normalizes alcohol

Needs to tell a different alcohol story

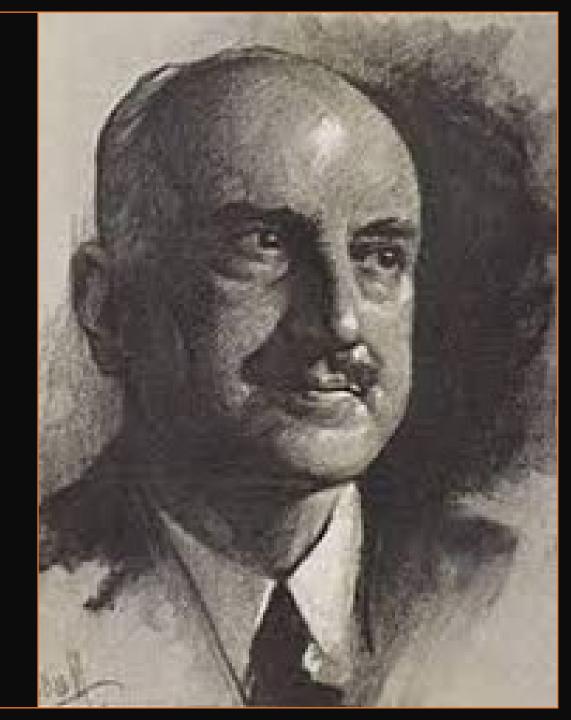




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Those who cannot remember the past are condemned to repeat it.

-- George Santayana



#### History of Alcohol

Beverage alcohol has been present in nearly all societies.

Wine and beer have been present for at least 5000 years

Distilled spirits first appear in human records around the 12<sup>th</sup> century A.D.

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Many societies treated it as "special"

The privileged quickly learned how to manipulate the alcohol supply to maintain dominance.

#### This is the "covert violence" of oppression, supported by alcohol.



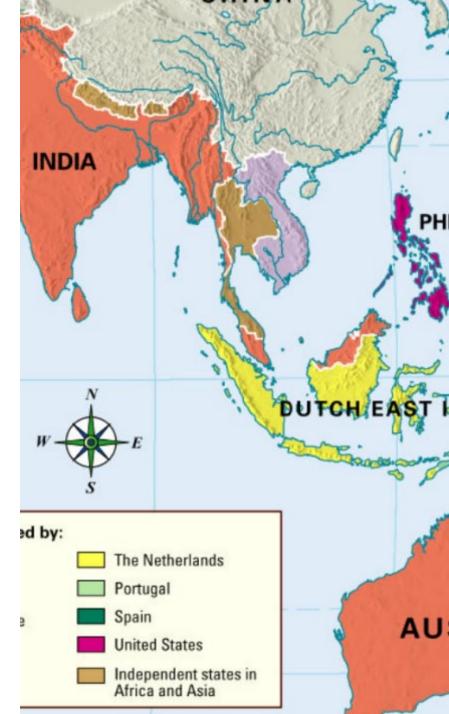
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#### New England Rum and the Slave Trade



# The British in Asia: Building an Empire on Drugs

- "Gave opium to the Chinese and alcohol to the Indians." –Spokesperson for Customs and Excise Malasia, 1996
- Manipulated the palm wine supply to control workers in Malaya.
- Controlled and manipulated the toddy supply in India.



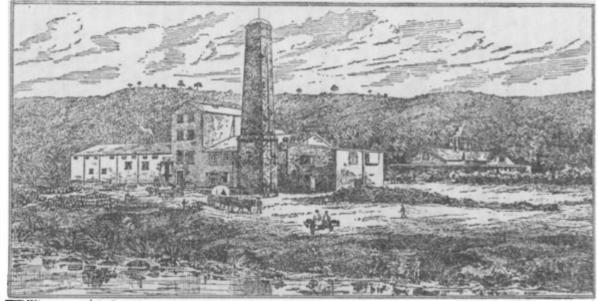
## Southern Africa: "Randlords and Rotgut"

#### Colonizers quandary:

How strong should the alcohol be to keep workers sufficiently addicted so they didn't return to their villages, but not so addicted that they could not work?

#### **Hatherley Distillery**

Near PRETORIA, TRANSVAAL





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Promoting a "Drunken Indian" Stereotype



## Alcohol and Jewish Oppression in Poland

- Historically, economic activities of Polish Jews limited by law.
- Nobles gave Jews exclusive right to sell alcohol.
- Like tax collection, insulated the nobles (who profited from alcohol) from any complaints or responsibility.





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#### Alcohol and Indigenous North Americans

One of the few groups worldwide not to have developed alcohol as an intoxicant

No cultural or bio-genetic protections against alcohol

Colonizers used this as an instrument of dominance

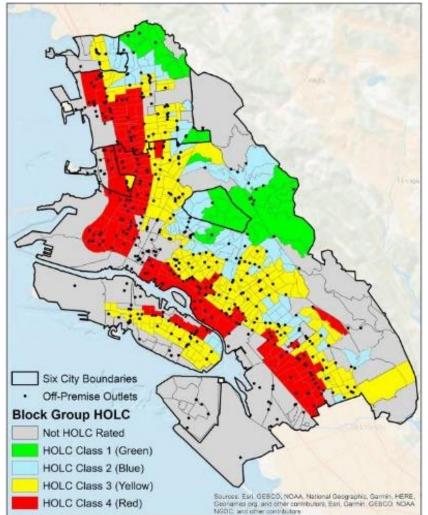




Credit: judychartrand.com

# Land Use: "Redlining" and the Location of Alcohol Outlets

Oakland, California



"Current inequitable health risks may be founded on racist spatial projects of past decades."

Lee et al. (2020)

#### Alcohol and Violence: Four Types

	Personal	Institutional
Overt	<ul> <li>Aggravated assault</li> <li>Sexual assault</li> </ul>	<ul> <li>Slavery</li> <li>Mass incarceration</li> </ul>
Covert	<ul> <li>Extreme neglect</li> </ul>	<ul><li>Redlining</li><li>Oppressive Marketing</li></ul>



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# Alcohol use annually contributes to 140,000 deaths

# \$249 billion was spent on alcohol problems in 2010

CDC, 2022

## **Sexual Assault Perpetration**

**Alcohol** is the substance most frequently used to facilitate sexual assault.





Sexual assaults involving alcohol more often occur among individuals who know each other casually.

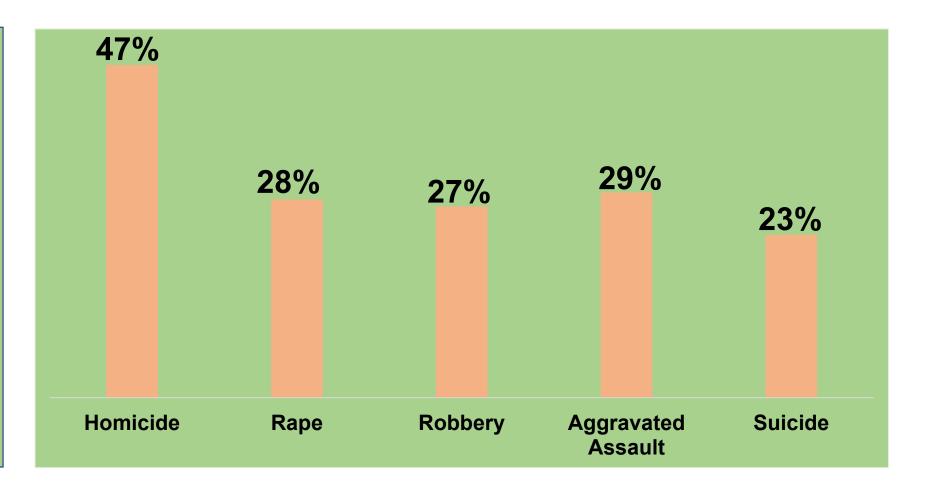
- In 2001, 97,000
- college students
- between the ages of
- 18 and 24 were
- sexually assaulted or
- date raped by another drinking college student.



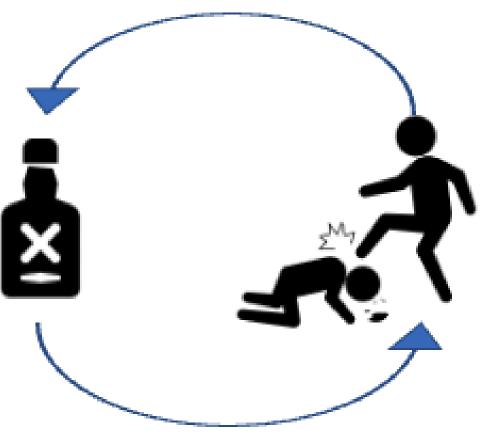
Abbey A, et al. (2001) US Department of Justice Office of Justice Programs. (2014) Hingson, R. W., et al. (2009).

#### Percent of Problems Caused by Alcohol Use

Alcoholattributable fractions (AAFs) are the proportion of outcomes that are causally attributable to alcohol.



# The relationship between alcohol and violence is *bidirectional*.



Reiss, A.J., Jr. et al. (1994). Boles, S. M., et al. (2003). Rehm, J., et al. (2009).



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## Alcohol and Racial/Ethnic Disparities



Blacks/African American and Hispanic/Latine people consume less alcohol than White people

American Indian and Alaska Native (AI/AN) people binge and drink heavily at close to the same rates as White people

BUT -- groups experience higher levels of negative consequences from drinking.



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#### **Alcohol-Related Problems**

Cancer: Higher prevalence and mortality in Black/African Americans compared to White individuals

Same situation for:

- Liver disease†
- Alcohol dependence\*
- Alcohol-related motor vehicle deaths\*†
- Intimate partner violence\*

\*Latine people too! †AI/AN people too! Rumgay, H et al., (2021) Lancet Oncol, (2020) Polednak, A. P. (2007) Caetano, R., et al (2014) Howlader, N. et al. (2016) Chartier, K. G., (2013) Williams, D. R., (2005) Giesbrecht N. (2000)

#### **Social Consequences**

Among those reporting little or no heavy drinking, African American and Latine adults are more likely to be at risk for social consequences than White adults.





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Mulia N, et al (2009).

#### Alcohol and Inequities: A Recap

Lower-income, indigenous people and people of color are less likely to drink than White people but suffer higher levels of harm. The same amount of alcohol, in a lower income family, community or country, will cause far more damage than in a wealthier setting.

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Collins SE. (2016) Rehm J, (2017)

## Alcohol's Transition in the 20<sup>th</sup> Century

- Big change in second half of century
- Move from traditional and local to global and corporate
- Game-changer: Philip Morris bought Miller Brewing in the 1970s



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#### The Global Alcohol Industry

- \$1.8 trillion per year in sales worldwide
- Highly concentrated
- Nine companies = 55<sup>th</sup> largest economy in the world
- In 2019, 8<sup>th</sup> most profitable industry in the world

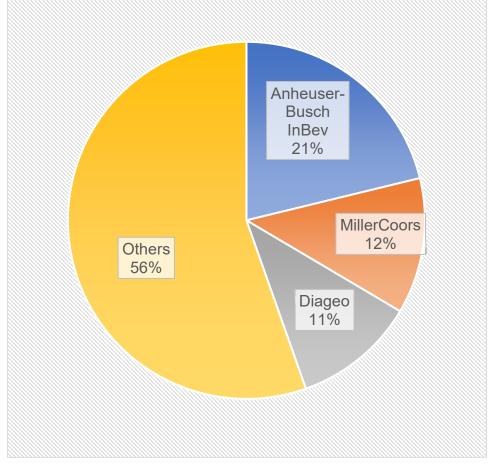


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## Profits from Underage Drinking (2016)

In 2016, people under 21 consumed **8.6%** of the alcohol drunk in the U.S.

This translated to **\$17.5** billion in sales for alcohol companies





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Eck RH, et al (2021).

#### The Importance of Alcohol Advertising and Promotion

Marketing plays a key role for the industry nationally and globally.

- Significant barrier to entry
- Generates oligopoly profits, which in turn support more marketing spend
- Counters increasingly bad health news





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## Alcohol Industry "Stakeholder Marketing"

In 2021:

- \$30 million on lobbying at the federal level
- 282 registered lobbyists
- \$15 million at the state level





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Today's alcohol marketers tell the majority of the alcohol stories, and this is key to their role in oppression.

Region 6)

## Alcohol and Social Injustice Today

- Sexism
- Racism
- Cultural Appropriation
- Lying about the Effects
- Blaming the Victim





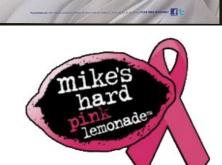
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# Sexism







## wanna go home with MARE tonight?

i'm the designated driver

#### IT'S THE ONE PICKUP LINE THAT ALWAYS WORKS.

Budweiser thanks the 148 million American adults who have been a designated driver or gone home with one.\* It's an essential part of every night out. And it's not going unnoticed. Go to our page on Facebook and help us show some love to the designated driver.



RESPONSIBILITY MATTERS' LEARN MORE AT WWW FACEBOOK.COM/BUDDESIGNATEDDRIVER "POWERTING MARKING NOW SUBVEYC COMPOSITOR OF "POWERTING ACCOMPOSITION CARAVAM" 2009 COMPOSITION CARAVAM" 2009

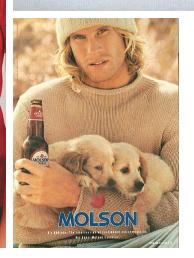
#### The Miracle of Molson Twin Advertising\*\* Technology

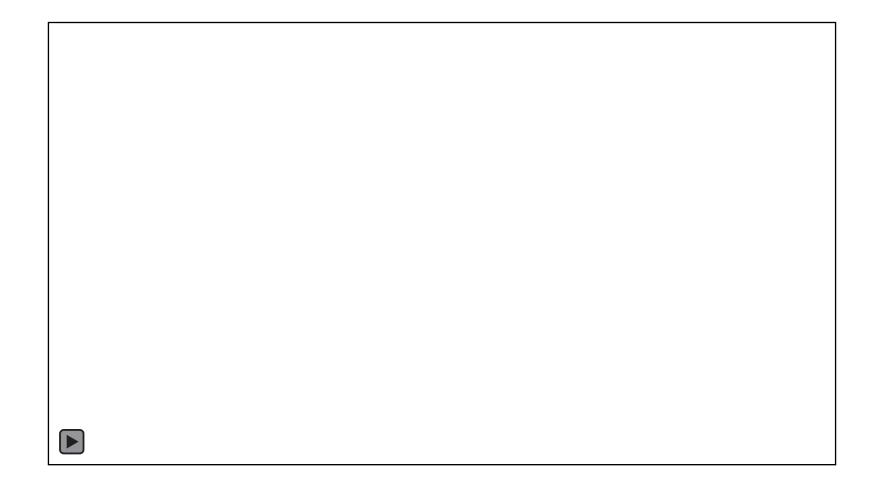
#### HUNDREDS OF THOUSANDS OF WOMEN. PRE-PROGRAMMED FOR YOUR CONVENIENCE.

As you read this, women across America are reading something very different: an advertisement (fig.1) scientifically formulated to enhance their perception of men who drink Molson. The ad show below, currently running in competiton magazine, is a perfectly tamed combination of words and images designed by trained professionals. Wence who are exposed to it to apprint pathwer pathwer feeling. A feeling which they will have project directly and some Tiggering the process is as simple as ordering a Molson Canadian (fig. 2).



The game is about to change, and you're the heavy loworite. Extrangenet disnere, Suttitief movies, Forst arrangements that together with fittle piecess of hay it gets oild. And it gets expossive, depleting founds that could ge to a ave set of 20-inch rims. But thanks to the miracle of Win Movertising Technology, you can achieve success without putting in any time or effort. So drop the boaquet and pick up a Moleon Caradian. That's net just a crisp, clean import from Caeada you're tasting. It's victury, any finan. MOLSON





## Women as the product

## Racism



SITTING BULL WOULD HAVE STOOD UP FOR IT.









## Cultural Appropriation

It is a mistake to blame the 'product' for alcohol abuse. Individual drinkers are responsible for their behavior.

-Phillip Morris

As long as the public continues to view ANY consumption of alcohol and ABUSIVE use of alcohol as two different subjects— the majority of the anti-alcohol agenda will not be met with much success.

-Miller Brewing Company

## Blaming the Victims

## Lying About Effects: FASD

"...many feel that there is **insufficient evidence** regarding moderate consumption of alcohol during pregnancy and the effect it may have on a developing fetus..."

- Industry-funded International Center on Alcohol Policies

"... there is not necessarily a causal relationship...**other maternal risk factors** include drinking alone, family members who abuse alcohol, having less stable domestic partnerships, and being at risk for domestic violence."

- Industry-funded International Alliance for Responsible Drinking



... "too many domestic abusers use alcohol as an excuse not to change."

"Alcohol does not cause the battery – any more than stress, illness, or being 'out of control' does. Domestic violence, they tell us, is a learned and chosen behaviour intended to control an intimate partner."

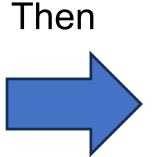
-Philip Morris

## Industry on Alcohol-Violence Association

Violent crime increases when neighborhoods have a high density of places that sell or serve alcohol When the Number of Alcohol Outlets Increase...



Speer et al. (1998). Scribner et al. (1998). Livingston et al. (2007). Holder et al. (2000). Donnelly et al. (2006).



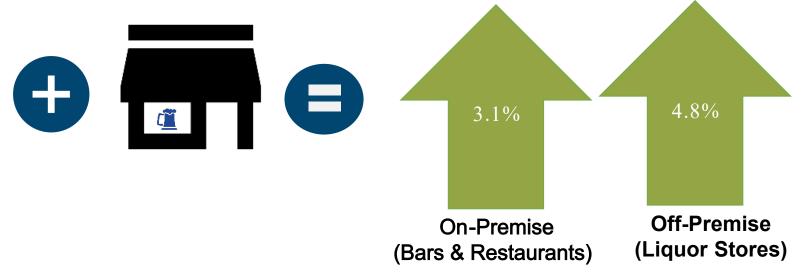
## So do the problems:



- Violence/Crime
- Sexually Transmitted Infections
- Noise
- Injuries
- Property Damage

## **Outlet Crowding Leads to Violence**

Greater alcohol outlet density has been repeatedly shown to be associated with increased violence. In Baltimore City as of 2010, each additional alcohol outlet in a census tract is associated with increases in violent crime:



Jennings, J.M., et al (2014). Parker, R.N., et al (2011). Pridemore, W.A. et al (2011). Cameron, M. P., (2016). Grubesic, T., et al (2011). Iritani, B. J., et al (2013). Liang, W., et al (2011). Pridemore, W., & Grubesic, T. (2013). Snowden, A., & Pridemore, W. (2013). Zhang, X., et al (2015).

## **Business Practices**

The following business practices are associated with increased violence:

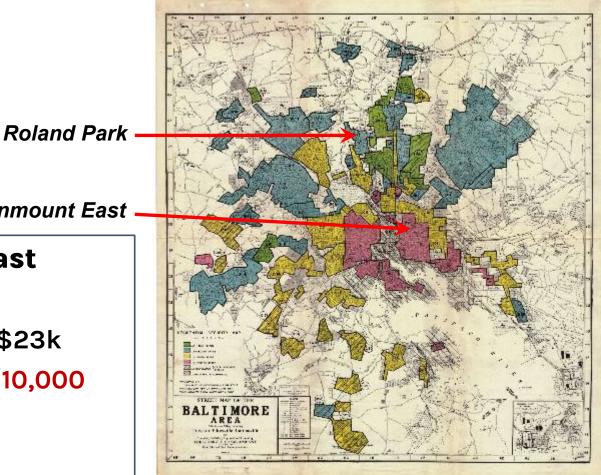


Schofield, T.P. (2013). Parker, R. N., (2011). Parker, R. N., et al (2013).

## **Redlining and Equity Implications**

Alcohol outlets are more likely to be located in **low-income communities** and **communities of color**.

CASE STUDY: BALTIMORE	Greenmount East
Roland Park	Greenmount East
82% White	97% Black
Median Income: \$104k	Median Income: \$23k
2.7 liquor stores/10,000 people	7.3 liquor stores/10,000 people



Map of Baltimore, MD (Home Owners' Loan Corporation, 1937)

## What Cities Can Do

# Three ways cities can address problem alcohol outlets:

- Licensing Authority
- Planning/Zoning
- Nuisance Powers

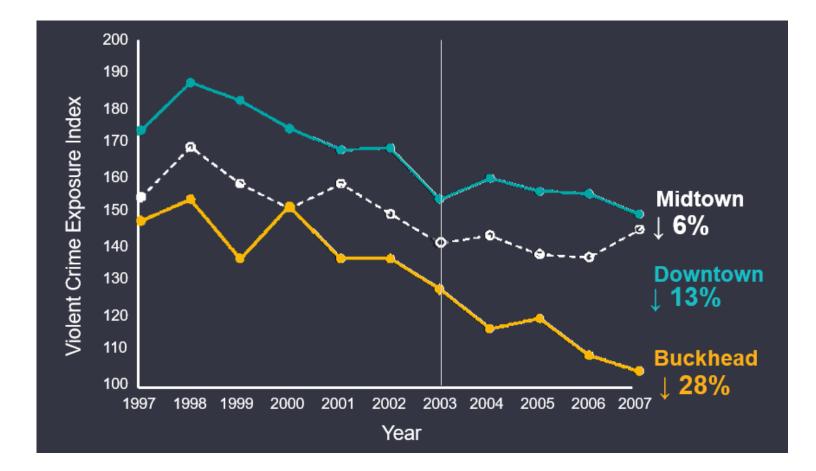


Rules for alcohol outlets can reduce excessive alcohol consumption and related harms

## Evidence Of Effectiveness

#### Atlanta GA

A 3% reduction in alcohol outlets in the Buckhead neighborhood resulted in a 2-fold greater reduction in exposure to violent crime in the neighborhood than in two other comparable neighborhoods





## **Alcohol Policy is Political**

## What works...

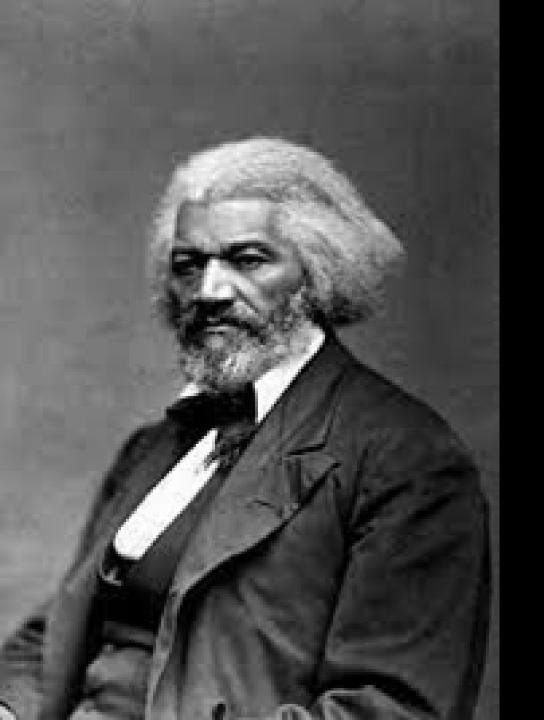
- Reducing alcohol outlet density
- Increasing alcohol taxes
- Limiting alcohol advertising and promotion

## ... Is rarely done



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# The price of liberty is eternal vigilance.

-- Frederick Douglass



## **Our Voices Matter**

## In closing:

"Not everything that is faced can be changed. But nothing can be changed until it is faced."

- James Baldwin



## What we have to face

Alcohol companies have literally "wallpapered" our lives with their version of the alcohol "story":

- Alcohol is everywhere, and belongs there
- Everyone drinks
- Drinking = freedom, independence, success
- The industry wants us to believe this is not about a system and a product with a legacy, and a present that feeds injustice and misery
- This is all about individual people with an individual problem
- We have to take back the alcohol story



## A Different Alcohol Story

## **Our Stories Matter**

### We can tell a new and better alcohol story:

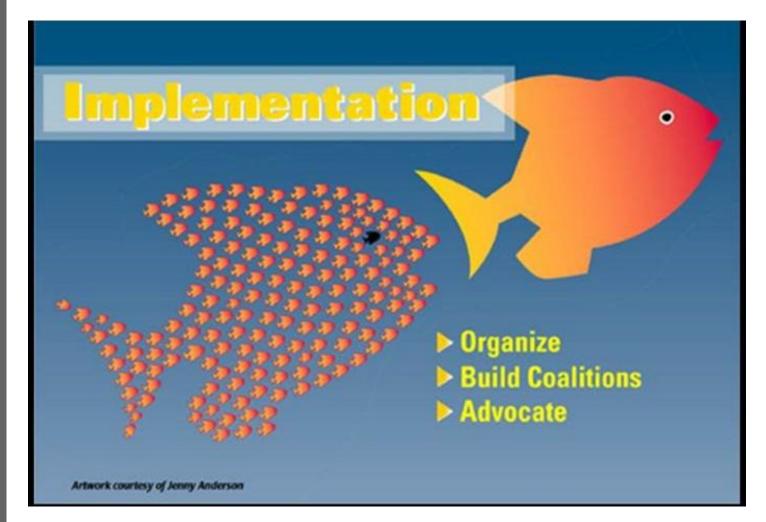
- Of children growing up free from pressures to drink;
- Of Black, Indigenous and people of color and women being respected;
- Of individual drinkers not being blamed for the actions of a hugely profitable industry;
- Of poor communities and communities of color not being flooded with alcohol outlets and associated violence
- Of alcohol prices that reflect the real cost of alcohol, and that don't just function to make a rich industry richer

#### **Our Voices Matter**



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- We are many
- We are powerful
- Our stories are powerful
- We can act as one
- Change begins with us

## Group Discussion





## Let's hear from you!

## What are your questions?



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Derrick Newby, T/TA Specialist South Southwest PTTC Region 6

#### Connect with us @



#### <u>SSW PTTC website</u>



#### Join our mailing list



Products and resources

Slide 19- Lee et al. What explains the concentration of off-premise alcohol outlets in Black neighborhoods? SSM-Population Health 12:100669, 2020.

Slide 22 - Centers for Disease Control and Prevention (CDC). (2014) <u>https://www.cdc.gov/alcohol/fact-sheets/binge-drinking.htm#:~:text=Excessive%20drinking%2C%20including%20binge%20drinking,these%20costs%2C%20or%20 %24191%20billion</u>. Last Reviewed: November 14, 2022, Source: Division of Population Health , National Center for Chronic Disease Prevention and Health Promotion , Centers for Disease Control and Prevention

Slide 23 - Abbey A, Zawacki T, Buck PO, Clinton AM, McAuslan P. Alcohol and sexual assault. Alcohol Res Health. 2001;25(1):43-51. Sexual assault was measured using the revised Sexual Experiences Survey.

Kingree, J. B. and Thompson, M. (2015). A Comparison of Risk Factors for Alcohol-Involved and Alcohol-Uninvolved Sexual Aggression Perpetration. *Journal of Interpersonal Violence*, 30(9):1478–1492.

US Department of Justice Office of Justice Programs. (2014). Rape and Sexual Assault Victimization among College-Age Females, 1995–2013. Accessed November 7, 2015 at: <u>http://www.bjs.gov/content/pub/pdf/rsavcaf9513.pdf</u>

Hingson, R. W., Zha, W., and Weitzman, E. R. (2009). Magnitude of and Trends in Alcohol-Related Mortality and Morbidity among U.S. College Students Ages 18-24, 1998-2005. *Journal of Studies on Alcohol Drugs*, 16:12-20.



Slide 23- Centers for Disease Control (CDC). Alcohol and Public Health: Alcohol-Related Disease Impact (ARDI) Application, 2013. Accessed November 8, 2015 at: <u>http://nccd.cdc.gov/DPH\_ARDI/Default/Default.aspx</u>

Bouchery, E., C. Simon, and H. Harwood, *Economic costs of excessive alcohol consumption in the United States,* 2006. 2013, Centers for Disease Control and Prevention.

Slide 24 - Reiss, A.J., Jr., & Roth, J.A., eds. *Understanding and Preventing Violence*. Vol. 3. Washington, DC: National Academy Press, 1994.

Boles, S. M., & Miotto, K. (2003). Substance abuse and violence: A review of the literature. *Aggression and violent behavior*, 8(2), 155-174.

Rehm, J., Mathers, C., Popova, S., Thavorncharoensap, M., Teerawattananon, Y., & Patra, J. (2009). Global burden of disease and injury and economic cost attributable to alcohol use and alcohol-use disorders. *The Lancet*, *373*(9682), 2223-2233.



Slide 27 - Global burden of cancer in 2020 attributable to alcohol consumption: A population-based study Rumgay, H., Shield, K., Charvat, H., Ferrari, P., Sornpaisarn, B., Obot, I., . . . Soerjomataram, I. (2021). Global burden of cancer in 2020 attributable to alcohol consumption: A population-based study. *Lancet Oncol, 22*(8), 1071-1080. doi:10.1016/S1470-2045(21)00279-5 <u>https://www.thelancet.com/article/S1470-2045(21)00279-5/fulltext</u>

Secular trend in U.S. black-white disparities in selected alcohol-related cancer incidence rates Polednak, A. P. (2007). Secular trend in u.S. Black-white disparities in selected alcohol-related cancer incidence rates. *Alcohol Alcohol, 42*(2), 125-130. doi:10.1093/alcalc/agl121 <u>https://pubmed.ncbi.nlm.nih.gov/17255152/</u>

Caetano, R., Vaeth, P. A. C., Chartier, K. G., & Mills, B. A. (2014). Chapter 37 - epidemiology of drinking, alcohol use disorders, and related problems in us ethnic minority groups. In E. V. Sullivan & A. Pfefferbaum (Eds.), *Handb. Clin. Neurol.* (Vol. 125, pp. 629-648): Elsevier.

Chartier, K. G., Vaeth, P. A., & Caetano, R. (2013). Focus on: Ethnicity and the social and health harms from drinking. *Alcohol Res, 35*(2), 229-237. Retrieved from <u>https://www.ncbi.nlm.nih.gov/pubmed/24881331</u>

Howlader, N., Noone, A. M., Krapcho, M., Miller, D., Bishop, K., Altekruse, S. F., . . . Cronin, K. A. (2016). Seer cancer statistics review, 1975-2013. Retrieved from Bethesda, MD: <u>https://seer.cancer.gov/archive/csr/1975\_2013/</u>



Slide 27 - 2005 Health Affairs; Social Sources Of Racial Disparities In Health Williams, D. R., & Jackson, P. B. (2005). Social sources of racial disparities in health. Health Affairs, 24(2), 325-334. doi:10.1377/hlthaff.24.2.325 https://www.healthaffairs.org/doi/10.1377/hlthaff.24.2.325

2000 study; Roles of commercial interests in alcohol policies: recent developments in North America Giesbrecht N. Roles of commercial interests in alcohol policies: recent developments in North America. Addiction. 2000 Dec;95 Suppl 4:S581-95. doi: 10.1080/09652140020013791. PMID: 11218353. https://pubmed.ncbi.nlm.nih.gov/11218353/

Slide 28 - Disparities in Alcohol-related Problems among White, Black and Hispanic Americans

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2771773/

Mulia N, Ye Y, Greenfield TK, Zemore SE. Disparities in alcohol-related problems among white, black, and Hispanic Americans. Alcohol Clin Exp Res. 2009 Apr;33(4):654-62. doi: 10.1111/j.1530-0277.2008.00880.x. Epub 2009 Jan 15. PMID: 19183131; PMCID: PMC2771773.

Slide 28 - Collins SE. Associations Between Socioeconomic Factors and Alcohol Outcomes. Alcohol Res. 2016;38:83-94. Rehm J, Gmel GES, Gmel G, Hasan OSM, Imtiaz S, Popova S et al. The relationship between different dimensions of alcohol use and the burden of disease-an update. Addiction. 2017;Epub ahead of print. doi: 10.1111/add.13757.



Slide 32 - Eck RH, Trangenstein PJ, Siegel M, Jernigan DH. Company-Specific Revenues From Underage Drinking. J Stud Alcohol Drugs. 2021;82:368-76. doi: 10.15288/jsad.2021.82.368.

Slide 41 - Easton A. Miller Brewing Company. Advertising and sales restrictions, labelling and health warnings, as it affects all our products: Philip Morris board presentation. 4 Dec 1987. Philip Morris. Bates No. 2021199457-9467. http://tobacco.health.usyd.edu.au/site/gateway/docs/pdf2/pdf/PM2021199457\_9467.PDF. ta

Unknown. Beer operations. 7 Dec 1994. Philip Morris. Bates No. 2045982762-2784. http://legacy.library.ucsf.edu/tid/ogb72e00.

Slide 43 - Philip Morris. CEO issues book 2000. 2000. Philip Morris. Bates No. 2074766000-6127. http://www.pmdocs.com/PDF/2074766000\_6127\_0.PDF.

Slide 45 - Speer et al. 1998; 2. Scribner et al. 1998; 3. Livingston et al. 2007; 4. Holder et al. 2000; 5. Donnelly et al. 2006.



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Slide 45 - Jennings, J.M., Milam, A.J., Greiner, A., Furr-Holden, C.D., Curriero, F.C., & Thornton, R.J. 2014. Neighborhood alcohol outlets and the association with violent crime in one Mid-Atlantic city: The implications for zoning policy. *Journal of Urban Health*, 91, (1) 62-71

Parker, R.N., Williams, K.R., McCaffree, K.J., Acensio, E.K., Browne, A., Strom, K.J., & Barrick, K. 2011. Alcohol availability and youth homicide in the 91 largest US cities, 1984-2006. *Drug and alcohol review*, 30, (5) 505-514

Pridemore, W.A. & Grubesic, T.H. 2011. Alcohol Outlets and Community Levels of Interpersonal Violence: Spatial Density, Outlet Type, and Seriousness of Assault. *Journal of Research in Crime and Delinquency* 0022427810397952

Cameron, M. P., Cochrane, W., Gordon, C., & Livingston, M. (2016). Alcohol outlet density and violence: A geographically weighted regression approach. *Drug Alcohol Rev, 35*(3), 280-288. doi:10.1111/dar.12295

Grubesic, T., & Pridemore, W. (2011). Alcohol outlets and clusters of violence. *International journal of health geographics, 10*(30).

Iritani, B. J., Waller, M. W., Halpern, C. T., Moracco, K. E., Christ, S. L., & Flewelling, R. L. (2013). Alcohol outlet density and young women's perpetration of violence toward male intimate partners. *Journal of Family Violence, 28*(5), 459-470. doi:10.1007/s10896-013-9516-y



Slide 46 - Liang, W., & Chikritzhs, T. (2011). Revealing the link between licensed outlets and violence: counting venues versus measuring alcohol availability. *Drug Alcohol Rev, 30*(5), 524-535. doi:10.1111/j.1465-3362.2010.00281.x

Pridemore, W., & Grubesic, T. (2013). Alcohol outlets and community levels of interpersonal violence: spatial density, outlet type, and seriousness of assault. *Journal of Research in Crime and Delinquency, 50*(1), 132-159.

Snowden, A., & Pridemore, W. (2013). Alcohol and violence in a nonmetropolitan college town: Alcohol outlet density, outlet type, and assault. *Journal of Drug Issues, 43*(3), 357-373.

Zhang, X., Hatcher, B., Clarkson, L., Holt, J., Bagchi, S., Kanny, D., & Brewer, R. D. (2015). Changes in density of onpremises alcohol outlets and impact on violent crime, Atlanta, Georgia, 1997-2007. *Prev Chronic Dis, 12*, E84. doi:10.5888/pcd12.140317



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Slide 47 - Parker, R. N., McCaffree, K. J., Alaniz, M. L., & Cartmill, R. J. Sexual Violence, Alcohol, and Advertising. In: Parker R, McCaffree K, editors. Alcohol and Violence: The Nature of the Relationship and the Promise of Prevention. Lexington Books; 2013. 13-30.

Schofield, T.P. & Denson, T.F. (2013). Alcohol Outlet Business Hours and Violent Crime in New York State. *Alcohol and Alcoholism*, 48(3):363-369. Accessed November 22, 2015 at: <u>http://alcalc.oxfordjournals.org/content/48/3/363.full</u>

Parker, R. N., McCaffree, K. J., & Skiles, D. (2011). The Impact of Retail Practices on Violence: The Case of Single Serve Alcohol Beverage Containers. *Drug and Alcohol Review*, 30:496–504.

Slide 50 - Rosen et al., forthcoming, JAMA Internal Medicine



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