Alcohol Outlets and Violence in U.S. Cities: What, Why, and What To Do

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Who am I?

- Son of a Methodist minister and a public health nurse
- Raised in the Protestant tradition of social justice and doing the right thing
- Little or no alcohol at home
- Parent and grandparent
- In this because of my personal story not about alcohol, but about what I was taught by my parents to do: to speak truth to power, and seek to do the right thing

What unites us?

- The right to life, liberty and the pursuit of happiness
- As part of this, equal access to the opportunity to be healthy, throughout the course of our lives
- The need to protect vulnerable groups – including young people – from being deprived of these rights
- Our common concerns are the basis for our common efforts

Types of violence

	Personal	Institutional
Overt	Aggravated assault Sexual assault	Police brutality Mass incarceration
Covert	Extreme neglect	Colonial oppression Slavery





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. Exceptions:
 - Oceania
 - North of Mexico
 - Remainder of North America prior to European contacts
- Wine and beer have been present for at least 5000 years
- Distilled spirits first appear in human records around the 12th century A.D.

The historical challenge of alcohol

- Every society has had to figure out how to control it.
- Many societies treated it as "special" as spiritual, sacramental, etc.
- Many societies also reserved its use for the privileged.
- The privileged quickly learned how to manipulate the alcohol supply as part of maintaining dominance.
- This is the "covert violence" of oppression, supported by alcohol.

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:
 - Among the first laws passed to control indigenous populations were alcohol laws, with the excuse being the "drunk Indian" stereotype.
 - These laws move forward with the 'frontier', consistently providing the excuse for direct colonizer control of indigenous populations.





New England rum and the slave trade



The British in Asia: Building an empire on drugs

- The British "gave opium to the Chinese and alcohol to the Indians."
 - -- Spokesperson for Customs and Excise Malaysia, 1996
- They controlled the toddy supply in India.
- They manipulated the palm wine supply to control workers in Malaya.



Southern Africa: "Randlords and rotgut" • The colonizers of Southern Africa debated among themselves: 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



The "dop" system in South Africa and FASD

- Up until this century, workers in the vineyards of South Africa's Western Cape were paid in alcoholic beverages
- This region has among the highest prevalence of Fetal Alcohol Spectrum Disorders in the world.



Alcohol's transition in the 20th century

- In the latter half of the 20th century, alcohol as a social phenomenon changed.
- Around the world, it transitioned thoroughly from being traditional, communally-based beverage, to a global beverage, produced by huge and hugely profitable global corporations.
- In the US, there was a sea-change in alcohol marketing when Philip Morris bought Miller beer in the 1970s.

The global alcohol industry

- \$1.8 trillion per year in sales worldwide
- Highly concentrated, e.g. 10 companies sell two-thirds of the world's beer
 - If the nine largest alcohol companies for which data are available were a country, they would be the 55th largest economy in the world
- As of 2019, alcohol was the 8th most profitable industry in the world

Share of revenues, 2020

- Seven companies earn 51.1% of the revenues from alcohol in the USA.
- Impact of concentration:
 - Monopoly profits
 - High marketing spend



Profits from underage drinking (2016)

- In 2016, people under 21 consumed 8.6% of the alcohol drunk in the US
- This translated into
 \$17.5 billion in sales
 for alcohol companies



Alcohol and social injustice today

- SEXISM
- RACISM
- CULTURAL APPROPRIATION
- LYING ABOUT EFFECTS
- BLAMING THE VICTIM

SEXISM



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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.







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. ne ad stava below, carrestly raming in -Cosmopolitan magazine, is a perfectly tuned combination of words and images designed by trained professionals. Women who are exposed to it experience a very positive feeling. A feeling which they will later project directly onto you. Red Links Triggering the process is as simple as ordering a Molson Canadian (fig. 2).



The game is about to change, and you're the heavy favorite. Extravagant dissers. Subtitled movies. Floral arrangements tied together with little pieces of hay. It gets old. And it gets expensive, depleting funds that could go to a new set of 20-inch rims. But thanks to the miracle of Twin Advortising Technology, you can achieve success without putting in any time or effort. So drop the bouquet and pick up a Molson Canadian. That's not just a crisp, clean drep the boutput and pick up a month victory, my friend.



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Women as the product





CULTURAL APPROPRIATION





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 between all potential risk factors and FASD. For example, **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



CONCEALING EFFECTS: COVID

World Health Organization's advice during COVID pandemic: Alcohol consumption is associated with a range of communicable and noncommunicable diseases and mental health disorders, which can make a person more vulnerable to COVID-19. In particular, alcohol compromises the body's immune system and increases the risk of adverse health outcomes. Therefore, people should minimize their alcohol consumption and any time, and particularly during the COVID-19 pandemic.





Facebook and Instagram messages during COVID In one hour on a single Friday night in Australia in April 2020, one alcohol ad every 35 seconds, saying:

- Get easy access to alcohol without leaving your home (58%),
- Save money (55%),
- Buy more (35%),
- Drink alcohol during the COVID-19 pandemic (24%),
- Use alcohol to cope, 'survive', or feel better (16%), and
- Choose 'healthier' alcohol products (14%).



https://fare.org.au/wp-content/uploads/2020-05-08-CCWA-FARE-An-alcohol-ad-every-35-seconds-A-snapshot-final.pdf

Blaming the victims

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 – a view the brewing industry has successfully encouraged – the majority of the antialcohol agenda will not be met with much success.

-Miller Brewing Company

Alcohol and health I World Health



Harmful use of alcohol causes



100% of alcohol use disorders





27% of traffic injuries





48% of liver cirrhosis

women

- 3 26% of mouth cancers
- **G 26%** of pancreatitis
- O 20% of tuberculosis
- 11% of colorectal cancer
- 6 5% of breast cancer
- G 7% of hypertensive heart disease

Alcohol use annually contributes to 104,000 deaths

\$249 billion

was spent on alcohol problems in 2010

ALCOHOL IN THE US

Alcohol is the most commonly used drug in the US.¹



leading actual cause of death³

deaths in 10 among working age adults are

attributable to excessive drinking⁴

Alcohol contributes to more than

200 ICD-10 codes⁵



Fall Injuries

Liver Cirrhosis





Fire Injuries

Breast Cancer



Motor Vehicle Crashes



Hypothermia



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K. Biolian, L. Kenny, D., Bennet, R., & Diero, L. 2010. Contribution of excensive shaded convergings to dealer, and years of patiential file ball in the United States. Proceeding Dynamic States., 1150203. el antidina attente nº disease and injury and intensivele and allefacielly in abaital use and abaital use disciders. The Lawset 2020. 171(1980) = 1721-2281.

Rising Alcohol-Related Harms



Alcohol-specific death rate, 2000-2016

ER visits involving alcohol consumption, 2006-2014

Age-adjusted death rate for alcoholic liver disease, 2000-2017

Spillane S, Shiels MS, Best AF, et al. Trends in alcohol-induced deaths in the United States, 2000-2016. JAMA network open. 2020;3(2):e1921451-e1921451.

White, A.M.; Slater, M.E.; Ng, G.; et al. Trends in alcohol-related emergency department visits in the United States: Results from the Nationwide Emergency Department Sample, 2006 to 2014. Alcoholism: Clinical and Experimental Research 42(2):352–359, 2018.

Yoon Y-H, Chen CM. Liver cirrhosis mortality in the United States: National, state, and regional Trends, 2000-2017. CSR, Incorporated. Accessed February 11, 2021.

Alcohol & COVID-19



- In March 2020, take-away sales increased by ↑27.6% for wine, ↑ 26.4% for beer, and ↑ 14% for cider and malt beverages
- In June 2020, total alcohol sales were still ↑21% higher than the year before

Rising Alcohol-Related Harms during the Pandemic





Source: White et al., JAMA, published online March 18, 2022, doi:10.1001/jama,2022.4308



Alcohol and violent crime during the pandemic





No concomitant increase in robbery, burglary, larceny, drug offenses

What do we know about alcohol's role in violence today? The relationship between alcohol and violence is *bidirectional.*

Alcohol consumption leads to violence, and victims of violence are more likely to drink alcohol.



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.

INTIMATE PARTNER VIOLENCE

There is a clear association between alcohol use & intimate physical and sexual violence victimization for women.

Longitudinal studies show drinking patterns predict IPV for newlyweds, new parents, and young married couples (among others).





The association between alcohol and IPV has been demonstrated on every continent.

Alcohol use increases the occurrence & severity of IPV.

55%



Leonard, KE., Quigley, BM. (1999) Drinking and marital aggression in newlyweds: An event-based analysis of drinking and the occurrence of husband marital aggression. Journal of Studies on Alcohol, 60:537-545 Testa, M. Quigley, BM., Leonard, KE. (2003). Does alcohol make a difference? Within-participants comparison of incidents of partner violence. Journal of Interpersonal Violence, 18:735-743 Brecklin, LR. (2002). The role of perpetrator alcohol use in the injury outcomes of intimate assaults. Journal of Family Violence, 17:185-197 Alcohol and crime: An analysis of national data on the prevalence of alcohol involvement in crime. Washington DC, United States Department of Justice, Office of Justice Programs, Bureau of Justice Statistics, 1998 Leonard, KE & Quigley, BM. (2017). Thirty years of research show alcohol to be a cause of intimate partner violence: Future research needs to identify who to treat and how to treat them. Drug and Alcohol Review, 36(1):7-





HOMICIDE PERPETRATION

Every day, there are 67 homicides 32 are assumed to be caused by alcohol.





Darke, S. (2010). The Toxicology of Homicide Offenders and Victims: A review. Drug and Alcohol Review, 29(2):202-215.

Kuhns, J. B., Exum, M. L., Clodfelter, T. A., & Bottia, M. C. (2014). The Prevalence of Alcohol-Involved Homicide Offending: A Meta-Analytic Review. *Homicide Studies*, 18(3):251-270. Centers for Disease Control (CDC). Alcohol and Public Health: Alcohol-Related Disease Impact (ARDI) Application, 2020. https://www.cdc.gov/nchs/fastats/homicide.htm.

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HOMICIDE VICTIMIZATION



of homicide victims had a positive BAC

Among those with a positive BAC:





Naimi, TS. (2016) Alcohol Involvement in Homicide Victimization in the United States. Alcoholism: Clinical and Experimental Research. Volume 40. Issue 12. Page 2614 - 2621.

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FIREARM VIOLENCE



Rates of alcohol-attributable violence exceed rates of alcohol-attributable motor vehicle crashes for both men and women.







SUICIDE



Of the 44,000 suicides in the US each year, 10,120 are attributable to alcohol use.

These suicides cost approximately \$21 billion annually.





As compared to the general population, persons with alcohol use disorders have greater odds of:



One third of suicide victims test positive for alcohol use.

Darvishi N, Farhadi M, Haghtalab T, Poorolajal J. Alcohol-related risk of suicidal ideation, suicide attempt, and completed suicide: A meta-analysis. PLoS ONE. 2015;10(5):e0126870.

Hayward L, Zubrick SR, Silburn S. Blood alcohol levels in suicide cases. J Epidemiol Community Health. 1992;46(3):256-260.

Centers for Disease Control and Prevention. Injury prevention & control: Data & statistics (WISQARS). National Violent Death Reporting System Web site. <u>https://www.cdc.gov/injury/wisqars/nvdrs.html</u>. Updated 2016. Accessed 2/27, 2017.

Centers for Disease Control and Prevention. WISQARS years of potential life lost (YPLL) reports, 1999 - 2015. https://webappa.cdc.gov/sasweb/ncipc/ypl110.html. Updated 2015. Accessed 03/11, 2017.



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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, 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 Interperson THINK. TEACH. DO. 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: http://www.bjs.gov/content/pub/pdf/rsavcaf9513.pdf 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.



SEXUAL ASSAULT VICTIMIZATION

Women who drink six or more standard drinks per day are more likely to be victims of sexual assault.



Intoxication may make someone physically and/or mentally less able to resist an assault.



Bryan, A. E. B., Norris, J., Abdallah, D. A., Stappenbeck, C. A., Morrison, D. M., Davis, K. C., George, W. H., Danube, C. L., and Zawacki, T. (2015). Longitudinal Change in Women's Sexual Victimization Experiences as a Function of Alcohol Consumption and Alcohol Consum



ALCOHOL-ATTRIBUTABLE FRACTIONS

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



Centers for Disease Control (CDC). Alcohol and Public Health: Alcohol-Related Disease Impact (ARDI) Application, 2013. Accessed November 8, 2015 at: http://nccd.cdc.gov/DPH_ARDI/Default/Default.aspx 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. THINK.TEACH. DO.

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Theories of Alcohol-Related Violence





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INDUSTRY ON ALCOHOL-VIOLENCE ASSOCIATION

...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



IF NOTHING ELSE

The relationship between alcohol and violence is bidirectional.

Alcohol increases the risk of violence perpetration and victimization, and it increases the severity of violent episodes.

Alcohol is involved in 1/3 to 1/2 of violent crimes.

What do we do?



A WORLD FREE FROM ALCOHOL-RELATED HARMS



Strengthen restrictions on alcohol availability Advance & enforce drink driving countermeasures Facilitate access to screening, brief interventions & treatment Enforce bans/ comprehensive restrictions on alcohol advertising, sponsorship & promotion Raise prices on alcohol through excise taxes & pricing policies





Violent crime increases when neighborhoods have a high density of places that sell or serve alcohol

Alcohol Outlet Density

What is Alcohol Outlet Density?

The *Community Guide* defines alcohol outlet density as:

- The number of physical locations in which alcoholic beverages are available for purchase either per area or per population.
- "Alcohol outlets" include all commercial businesses that sell and serve alcohol including on- and off-premise sales.

What is Alcohol Outlet Density?





Off- premise locations

On-premise locations

ALCOHOL OUTLET DENSITY: THE SCIENCE

The Community Preventive Services Task Force recommends limiting alcohol outlet density to reduce excessive drinking through the use of licensing or zoning processes.









Babor, T. et al. (2010). Alcohol: No ordinary commodity research and public policy (2nd ed). New York: Oxford University Press.

Campbell, Carla Alexia, Robert A. Hahn, Randy Elder, Robert Brewer, Sajal Chattopadhyay, Jonathan Fielding, Timothy S. Naimi et al. "The effectiveness of limiting alcohol outlet density as a means of reducing excessive alcohol consumption and alcohol-related harms." American Journal of Preventive Medicine 37, no. 6 (2009): 556-569





When the # of alcohol outlets increases...

So do the problems:

- violence/crime¹
- sexually transmitted infections²
- noise³
- injuries⁴
- property damage⁵





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City-specific Findings

- Philadelphia: increased risk of being shot in an assault in an area of high alcohol outlet availability¹⁰
- New Orleans: 10% rise in density 5.8% rise in gonorrhea rates¹¹
- California: # off-premise outlets associated with rates of child abuse, # bars associated with rates of child neglect¹²
 - Sacramento: each additional off-premise outlet associated with 4% increase in IPV-related police calls, and 3% increase in IPVrelated crime reports¹³
- Minneapolis, MN: neighborhoods with highest density also have highest density of criminal violence¹⁴
- Washington, DC: # alcohol outlets in a census tract related to robbery, assault, and sexual offense¹⁵
 - Assaultive violence increases 4% for each additional outlet
- Baltimore: Every additional outlet per census tract associated with 2.2% increase in violent crime (Jennings et al.)







Alcohol outlet density and underage drinking

- Paschall et al. (2012- 50 California cities)
 - Adolescent alcohol use and heavy drinking appear to be influenced by enforcement of underage drinking laws, alcohol outlet density, and adult alcohol use.
- Chen et al. (2009 California)
 - Zip code alcohol outlet density significantly and positively related to likelihood and frequency of getting alcohol
- Treno et al. (2003 Oregon)
 - Alcohol outlet density associated with both youth drinking and driving and riding with drinking drivers, especially for . younger and female respondents
- Other studies in university neighborhoods, New Zealand, Switzerland.

ALCOHOL AVAILABILITY & UNDERAGE YOUTH

A 10% increase in alcohol outlet density is associated with a 17% increase in odds of adolescent alcohol consumption.





Children with an alcohol outlet on their walk to school are 2x more likely to report feeling unsafe in their neighborhood.



Rowland, B, Evans-Whipp, T., Hemphill, S., Leung, R., Livingston, M., Toumbourou, JW. (2016). The density of alcohol outlets and adolescent alcohol consumption: An Australian longitudinal analysis. Health and Place, 37: 43-49 Milam, "A.J., "FurrMHolden, "C.D.M., "CooleyMStrickland, "M.C., "Bradshaw, "C.P., "Leaf, "P.J (2014). "Risk for Exposure to Alcohol, Tobacco, and Other Drugs on the Route to and from School: The Role of Alcohol Outlets .Prevention Science. 15(1):12-21



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., 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., Storm, 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/idar.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 violence: spatial 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 Liang, W., & Chikritzhs, T. (2011). Revealing the link between licensed outlets and 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 outlet density, outlet type, and assault. *Journal of Drug Issues*, *43*(3), 357-373. Zhang, X., Hatcher, B., Clarkson, L., Holt, J., Baachi, S., Kanny, D., & Brewer, R. D. (2015). Changes in density of on-premises alcohol outlets and impact on violent crime. Atlanta, Georgia, 1997-2007. *Prev Chronic Dis*, *12*, E84. doi:10.5888/pcd12.140317





BUSINESS PRACTICES

The following business practices are associated with increased violence:



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: http://alcalc.oxfordjournals.org/content/48/3/363.full
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.
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 and -30.

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CASE STUDY: Atlanta

Total alcohol outlets: 1,015

Off-premises outlets: 500

- 1 outlet per 996 people
- 15x more off-premises alcohol retailers than public libraries
- 26x more off-premises alcohol retailers than public high schools
- Estimated total alcohol-related violent crimes per 1000 people from 2016-2018: 14.59

0-1

Local licensing authority: Joint local/state licensing and regulatory powers



cityhealth

CASE STUDY: Memphis







Total alcohol outlets: 1,085

- Off-premises outlets: 456
 - 1 outlet per 4,819 people
 - 25x more off-premise alcohol retailers than public libraries
 - 15x more off-premise alcohol retailers than public high schools



Estimated total alcohol-related violent crimes per 1000 people from 2016-2018: 25.87

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Local licensing authority: Mixed *Rape data not available









Alcohol Outlet Spatial Availability & Suicide Baltimore City, 2003-2017



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Disparities in Drinking, USA, 2018



Bohm MK, Liu Y, Esser MB, et al. Binge Drinking Among Adults, by Select Characteristics and State — United States, 2018. MMWR Morb Mortal Wkly Rep 2021;70:1441–1446.

Alcohol and African-Americans

- African-Americans are less likely to drink and binge drink than the general population;
- However, those who do binge do so often (4.7 times per month) and with high intensity (6.8 drinks per occasion)
- African-Americans report higher levels of alcohol-related consequences:
 - Greater relationship, employment, financial, and legal problems
 - High prevalence of alcohol-related diseases, including heart disease and hypertension
- Bottom line: African Americans drink less, but if they drink, they suffer greater consequences

Density of off-premise alcohol outlets per square mile, by census tract population characteristics, Philadelphia, 2015



Auchincloss AH, Buehler JW, Moore KA, Melly SJ, Diez Roux AV. Alcohol outlets and violence in Philadelphia. Urban Health Collaborative Data Brief Number 1, 2017. Dornsife School of Public Health, Drexel University: Philadelphia, PA.

Violent incidents per 10,000 population, by tertile of census tract offpremise alcohol outlet density per square mile, and quintile of percentage of residents living in poverty



Auchincloss AH, Buehler JW, Moore KA, Melly SJ, Diez Roux AV. Alcohol outlets and violence in Philadelphia. Urban Health Collaborative Data Brief Number 1, 2017. Dornsife School of Public Health, Drexel University: Philadelphia, PA.

Zipcode 78255

Median income: \$125,550 Households below the poverty line: 6.5% African American: 4% Caucasian: 49% Hispanic: 39% Alcohol-related violent crime rate: 1.03 per 1000 people Life expectancy: 83.9

0.32 Off-premise outlets per 1000 people

Zip code 78202 has over **4 TIMES** as many off-premise alcohol outlets per 1000 residents as Zip code 78255

SAN ANTONIO

Zipcode 78202

Median income: \$25,300 Households below the poverty line: 41.1% African American: 27% Caucasian: 10% Hispanic: 62% Alcohol-related violent crime rate: 47 per 1000 people Life expectancy: 71.2

1.42 Off-premise outlets per 1000 people

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*Neighborhood demographics were obtained from Community Information Now. Available at <u>https://viz.cinow.info/</u>. Life expectancy estimates were obtained from "Life Expectancy at Birth in Communities Across Texas: 2005-2014". Available at <u>https://www.texashealthmaps.com/Life-expectancy-in-Texas-2005-2014.pdf</u>

Roland Park

Median income: \$104,482 Households below the poverty line: 4.9% African American: 6.9% Caucasian: 82.6% Hispanic: 2.9% Alcohol-related violent crime rate: 5.5 per 1000 people Life expectancy: 83.9

0.26 Off-premise outlets per 1000 people

Greenmount East has **7 TIMES** as many off-premise alcohol outlets per 1000 residents as Roland park

Greenmount East

Median income: \$23,277 Households below the poverty line: 33.8% African American: 96.6% Caucasian: 2.9% Hispanic: 1.9% Alcohol-related violent crime rate: 47 per 1000 people Life expectancy: 67.9

1.82 Off-premise outlets per 1000 people



* Neighborhood demographics and life expectancy estimates were obtained from Baltimore City 2017 Neighborhood Health Profile Reports. Available at https://health.baltimorecity.gov/neighborhoods/neighborhood-health-profile-reports

Redlining & Equity Implications



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

CASE STUDY: BALTIMORE	Greenmount	
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)

REDLINING AND ALCOHOL OUTLETS

OAKLAND, CA



"Present day risks for exposure to retail alcohol availability were delimited by historic exclusionary land use practices. Current inequitable health risks may be founded on racist spatial projects of past decades."

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



Redlining in Memphis 1940

A: Desirable for lending purposes

B: Still Desirable

C: Declining

D: Least Desirable







Top 1% High Average

Source: www.bestneighborhood.org

Outlets and disparities in Memphis today





The Policy Solution: Safer Alcohol Sales
What Cities Can Do

Three ways cities can address problem alcohol outlets:

Licensing authority – available to cities in some by not all states

Planning/zoning – far more available and generally within city control

Nuisance powers – applies to more than alcohol outlets, but gives cities powers to regulate nuisance activities within their borders





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



Zhang, X., Hatcher, B., Clarkson, L., Holt, J., Bagchi, S., Kanny, D., & Brewer, R. D. (2015). Peer Reviewed: Changes in Density of On-Premises Alcohol Outlets and Impact on Violent Crime, Atlanta, Georgia, 1997–2007. *Preventing chronic disease*, *12*.

Evidence Of Effectiveness

• Los Angeles, CA Census tracts had reductions in violent crime that were proportional to their reductions in alcohol outlets



Cohen, D. A., Ghosh-Dastidar, B., Scribner, R., Miu, A., Scott, M., Robinson, P., ... & Brown-Taylor, D. (2006). Alcohol outlets, gonorrhea, and the Los Angeles civil unrest: a longitudinal analysis. *Social science & medicine*, *62*(12), 3062-3071.

Approaches to regulating alcohol outlets

Goals of Regulating Alcohol Outlet Density

- <u>Increase the distance</u> one has to travel to obtain alcohol, thereby decreasing ease of access and consumption rates
- Increase the price of alcohol by decreasing competition
- <u>Decrease exposure to point of purchase</u> and exterior facing window alcohol marketing

Preemption

- <u>State preemption</u> is the doctrine that determines the level of local control over licensing decisions in a given State.
- Local governments have authority to regulate alcohol outlet density only to the extent that the <u>State grants</u> <u>that authority</u>.



Note: Darker colors imply greater state preemption of local action.

Categories

- Exclusive or near-exclusive state preemption
- 2 Exclusive state licensing authority, concurrent local regulatory authority
- 3 Joint local/state licensing and regulatory powers
- 4 Exclusive local licensing with state minimum standards
- 5 Mixed
- 6 No Data Available



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Interactive tool here.

Preemption in Tennessee

5 Mixed

These states use a combination of one or more of the four categories based on types of alcoholic beverages (e.g., joint licensing for beer and wine and state exclusive authority for distilled spirits) or type of alcohol outlet (e.g., one category for onpremises establishments and another for off-premises establishments).

State Name	Legal Citations	State Notes
Tennessee	TN Code Ann. §§ 57-3-204, 57-3-208, 57-5-103. Templeton v. Metropolitan Government of Nashville and Davidson County, 650 S.W.2d 743 (Tenn. App., 1983).	Spirits, wine: Joint licensing. Beer: Local licensing



What is CityHealth?



CityHealth's Charge



- An initiative of the de Beaumont Foundation and Kaiser
 Permanente that aims to help cities thrive through policies that improve people's day-to-day lives
- A package of nine (soon to be 12) policy recommendations with significant potential to boost health, well-being, and quality of

life by addressing the key social determinants



CityHealth's Charge



- Every year, CityHealth assesses the nation's largest cities on the presence and strength of the policies within the package
- We then award an overall gold, silver, or bronze overall medal to cities



Boston University School of Public Health

Our 2.0 Policy Package





Affordable Housing Trusts



Greenspace



Complete Streets



Earned Sick Leave



Eco-Friendly Purchasing



Renters

Flavored Tobacco

н

Healthy Food Purchasing



Healthy Rental Housing



Safer Alcohol Sales



Legal Support for



BC

High-Quality, Accessible Pre-K



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CityHealth Cities



Memphis earns a silver medal in CityHealth's Safer Alcohol Sales Policy Criteria



Silver

0

City has a law that applies to *all* alcohol sales, addresses public health and safety, and authorizes the city to close an alcohol retailer for failing to comply with the law.

City has a law that applies to *some* alcohol sales (such as only new retailers, or only retailers selling for offpremises consumption, e.g. grocery or convenience stores), addresses public health and safety, and authorizes the city to close an alcohol retailer for failing to comply with the law.

> Applies to on-sale and off-sale beer permittees. It does not apply to new and existing retailers that sell wine and liquor alcoholic beverages.

Going beyond medal ranking

<u>Regardless</u> of medal ranking or preemption category, the following <u>best practices</u> may be implemented in many cities:

- Enforcement protocols
- Fees to fund enforcement
- Nuisance ordinances
- Healthy retail

The price of liberty is eternal vigilance.

-- Frederick Douglass

We have to wake up

- 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
 - 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

Hope is like a road in the country; there was never a road, but when many people walk on it, the road comes into existence.

-- Lu Xun

THANK YOU!

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