How Has Drinking Behavior Changed During the COVID-19 Pandemic?

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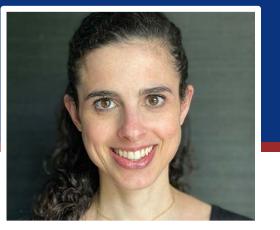








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Alcohol Consumption and Related Harms





Alcohol consumption in the U.S.

About 70%

of the U.S. population aged 18 or older consumed alcohol in 2018, and more than half drank alcohol in the past 30 days.

About 27%

of the adult population reported binge drinking in the past month.

Excessive Alcohol Use: the Toll on Society



More than 200 diseases and injury-related health conditions



A 62% increase in Emergency Department visits between 2006 and 2014. A particularly large increase among females



88,000 annual deaths \rightarrow fourth-leading preventable cause of death



Societal costs of nearly \$250 billion in 2010











Policies to contain the COVID-19 Pandemic

Policies to Limit the Spread of COVID-19



44 states + DC enacted stay-at-home orders.



All states closed bars, most restricted dine-in service at restaurants and relaxed offpremise restrictions, and many allowed mixed drinks to go.

Source: https://www.kff.org/coronavirus-covid-19/issue-brief/statedata-and-policy-actions-to-address-coronavirus/; https://www.nabca.org/covid-19-resources











What Do We Know About Drinking During the Pandemic in the U.S.?





Changes in Alcohol Sales in the US

How The COVID-19 Pandemic Is Upending The Alcoholic Beverage Industry

Joseph V Micallef Contributor © Spirits I write about wines and spirits and the hidden corners of the world REBALANCING THE 'COVID-19 EFFECT' ON ALCOHOL SALES America is drinking its way through the coronavirus crisis – that means more health woes ahead

Alcohol Sales Are Not Spiking Or Even Stabilizing. Here's Why The Misconception Matters.



Coronavirus brings quick changes to state alcohol laws

Nielsen Says Beverage Alcohol Retail Sales Are Soaring During The Crisis



Alcohol sales surge during pandemic, lockdowns. Here's what people are drinking

eCommerce drives triple-digit growth in alcohol sales

Alcohol sales jump 234 percent during COVID-19

Coronavirus: How the pandemic is relaxing US drinking laws

Anecdata! Consumption in the U.S.



Happy Hours: More People Drinking While Working from Home During COVID-19 Half of us are gonna come out of the quarantine as amazing cooks and the other half is gonna come out with a drinking problem. There is no in between

'Quarantinis' and beer chugs: Is the pandemic driving us to drink?

Travel around the world during Zoom happy hours with these global drinking traditions

Alcohol sales have soared as people use drinking to relax during the Covid-19 crisis, and experts are raising concerns

COMMENTARY

What Past Disasters Tell Us About COVID-19 and Substance Abuse

'More Zoom Parties, More Alcohol Consumption': Hard Seltzer, Tequila Sales Boom During COVID-19 Lockdown STRESS DRINKING: ALCOHOL CONSUMPTION INCREASES DURING COVID-19











The RTI Survey on Alcohol Consumption During the COVID-19 Pandemic

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What?

Web-based survey using Ipsos' KnowledgePanel Academic Omni



When? May 8–15



How?

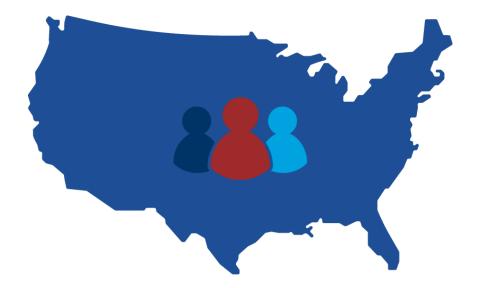
We asked about the following in February and April:

Alcohol consumption
Mental health
Employment status

•Lifetime alcohol experiences

Survey Respondents

993 Surveyed 555 Reported Drinking in February





Female: **52%** Male: **48%**



21–34: **25%** 35–49: **25%** 50–64: **30%** 65+: **20%**



White, non-Hispanic: 66% Black, non-Hispanic: 9% Other, non-Hispanic: 7% Hispanic: 19%



Northeast: 22% South: 30% West: 24% Midwest: 24%

Analysis

- Compared February and April consumption
 - Used regression methods to adjust for gender, age, race, and other factors
- Examined alcohol consumption changes overall and by subgroups









Survey Results







Three Main Drinking Outcomes in This Presentation



Average drinks per day



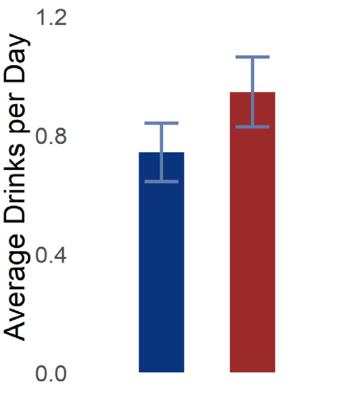
Percentage of people exceeding drinking guidelines



Percentage of people binge drinking



Average Drinks per Day February: 0.74 drinks per day April: 0.94 drinks per day Result: +27%, p<0.001









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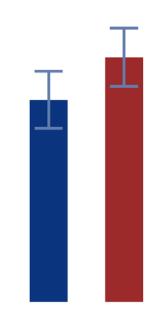
Exceeding Drinking Guidelines February: 29%

April: 36%

Result: +21%, p<0.001











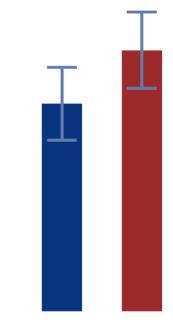
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Binge Drinking February: 22% April: 27% Result: +26%, p=0.001

















Stratified Results

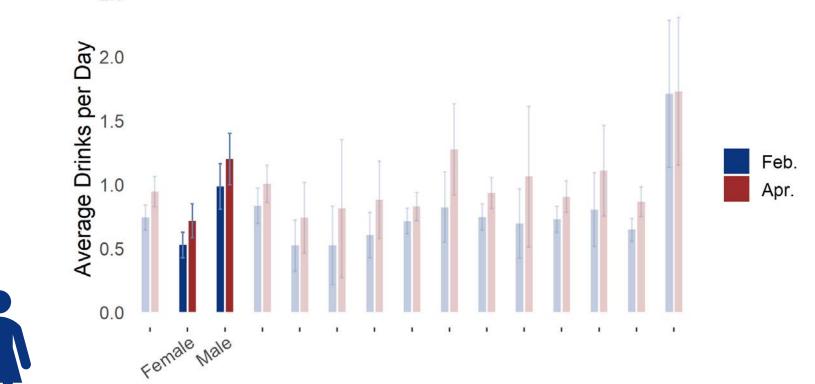






Average Drinks per Day

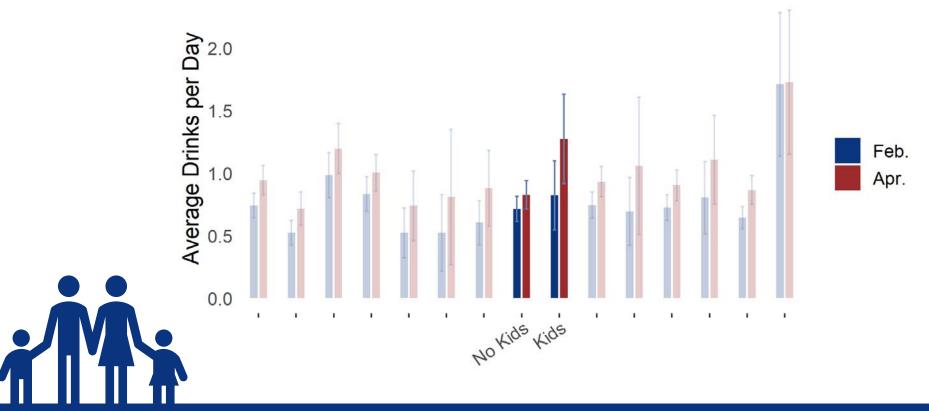
*Males increased drinks per day slightly more than females (0.21 versus 0.19, p=0.77)



Average Drinks per Day

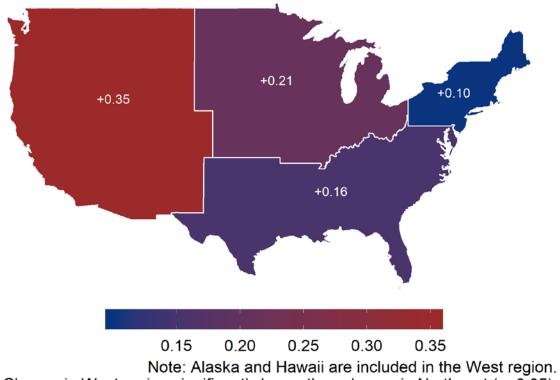
2.5

*Respondents with kids in the household increased more than those without kids (0.45 versus 0.11 drinks, p=0.007)



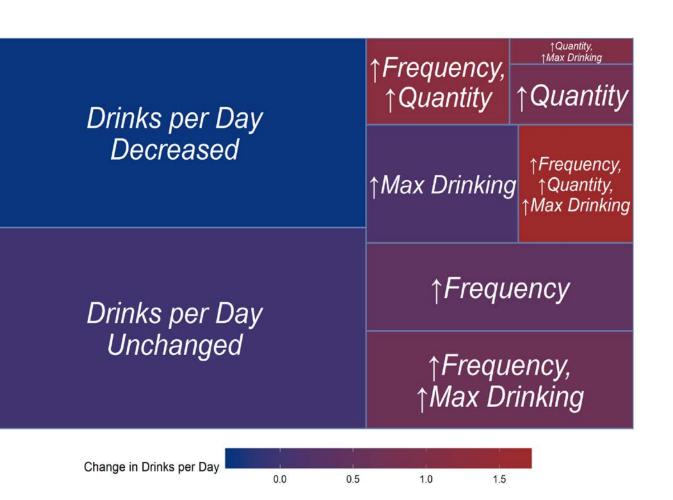
Average Change in Drinks per Day February to April, by Census Region

Average Drinks per Day



Change in West region significantly larger than change in Northeast (p<0.05).

Changes in Alcohol Consumption





Changes in Alcohol Consumption

- 5% of respondents increased alcohol consumption from February to April in each of the three main dimensions:
 - They drank more every day.
 - They drank on more days of the week.
 - They increased consumption on days when they drank more than normal.
- This group accounted for over 40% of the increase in alcohol consumption for all respondents.



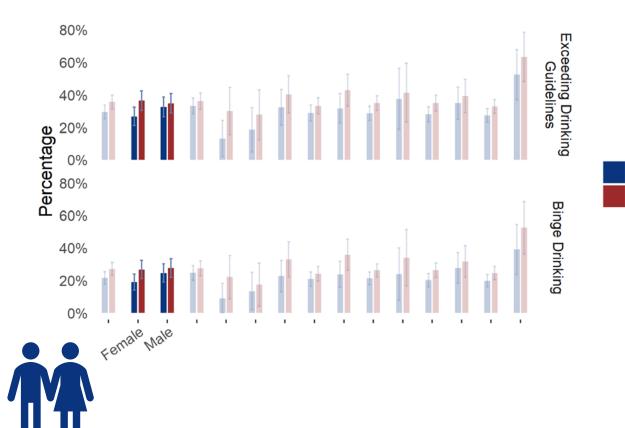










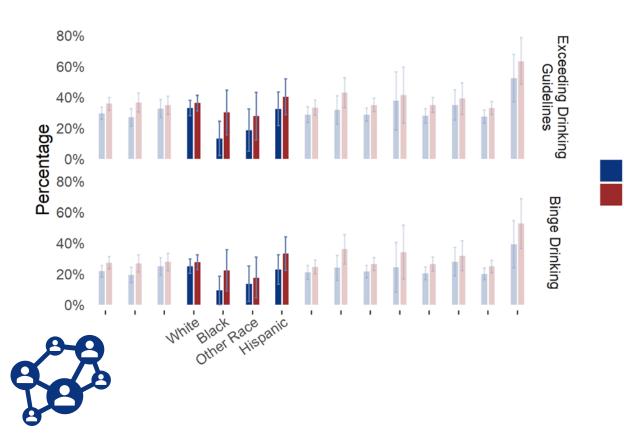


Excessive consumption increased considerably for females:

Feb.

Apr.

- Drinking guidelines (10% versus 2%, p=0.026)
- Binge drinking (8% versus 3%, p=0.12)

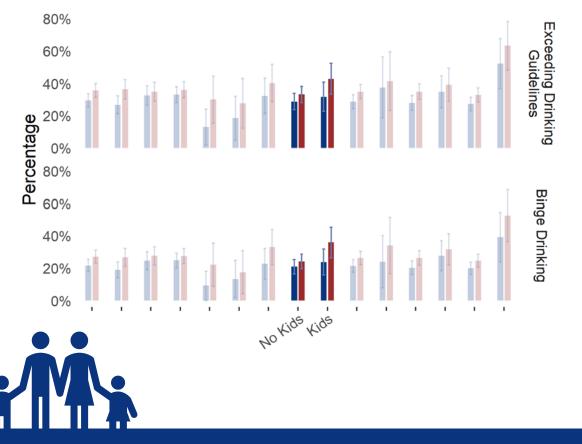


Excessive consumption increased considerably for Black respondents:

Feb.

Apr.

- Drinking guidelines (17% versus 3% among Whites, p=0.028)
- Binge drinking (13% versus 3% among Whites, p=0.07)



Excessive consumption increased more for respondents with kids:

 Drinking guidelines (11% versus 4%, p=0.21)

Feb.

Apr.

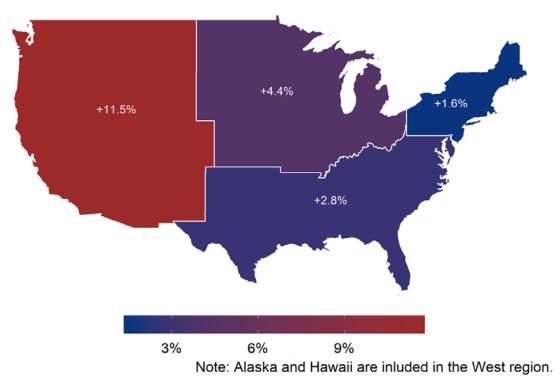
Binge drinking (12% versus 3%, p=0.09)

Change in Percentage Exceeding Drinking Guidelines February to April, by Census Region

+5.2% +0% +13.2% +4.1% 0% 2% 5% 8% 10% 12%

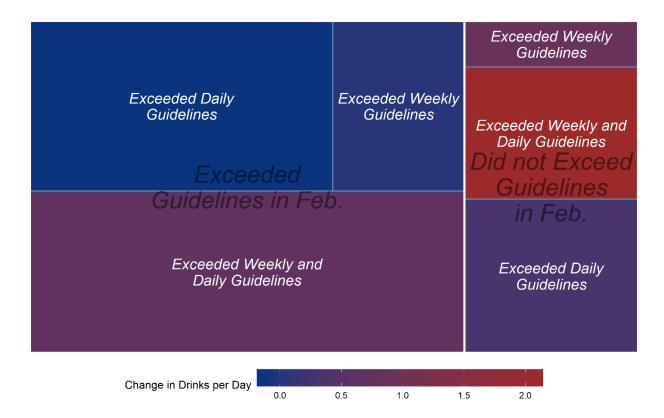
Note: Alaska and Hawaii are included in the West region. Change in West region significantly larger than change in Northeast (p<0.01).

Excessive Consumption Behaviors Change in Percentage Binge Drinking February to April, by Census Region



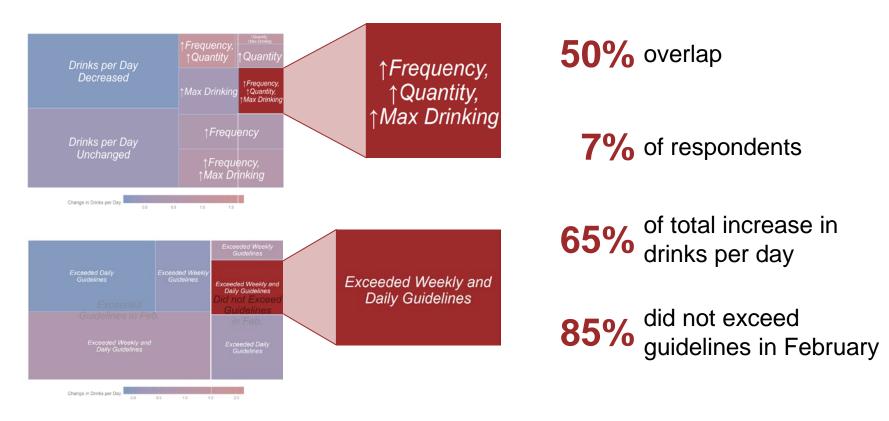
Binge Drinking

Of Those Exceeding Drinking Guidelines in April...



The largest changes in alcohol consumption were concentrated among people who did not exceed drinking guidelines in February.

The Big Picture









Conclusions







Key Takeaways

Alcohol consumption, including excessive consumption behaviors, has increased overall and across several groups.

The largest increases in all measures were observed in the Western U.S.

Being female, Black, or having children in the household was associated with significant increases on at least one measure. The largest increases in alcohol consumption were among people who increased their usual quantity consumed and those who were *not* drinking in excess of recommended guidelines in February.

Some studies predicted lower alcohol consumption

- Why might that not be the case?
 - Expectation of lower access to alcohol offset by policy changes
 - More leisure time and fewer alternative activities
 - Response to stress

Drug and /	Alcohol REVIEW		APSAD
Drug and Alcohol Review DOI: 10.1111/dar.130	v (May 2020), 39, 301–304 /4		
COMMENTARY			
Alcohol use and policy	in times of the COV	VID 19: Implications f	or monitoring
JÜRGEN REHM DAVID JERNIC ZILA M. SANC	(^{1,2,3,4,5,6} ⁽¹⁾ , CAROLIN KILI/ AN ⁸ , MARISTELA MONTE HEZ ¹² ⁽¹⁾ & JAKOB MANTHI	AN ¹ [©] , CARINA FERREIRA-B ⁽ SIRO ⁹ , CHARLES D. H. PARR ¹ EY ^{1,13}	$ORGES^7$, $Y^{10,11}$ O ,

Alcohol Policy and Coronavirus: An Open Research Agenda

MARISTELA G. MONTEIRO, M.D., PH.D., a.* JÜRGEN REHM, PH.D., b-f & MAIK DUENNBIER

- Some studies predicted lower alcohol consumption
- Why might that not be the case?
 - Expectation of lower access to alcohol offset by policy changes
 - More leisure time and fewer alternative activities
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Cocktails, Now to Go

Bars and restaurants bottle up mixed drinks for takeout as the New York State Liquor Authority offers "new off-premises privileges."



PDT was one of the first cocktail bars to offer drinks to go, with its Benton's old-fashioned. Evan Sung for The New York Times

Curbside service expands at Pa. liquor stores starting today



- Some studies predicted lower alcohol consumption
- Why might that not be the case?
 - Expectation of lower access to alcohol offset by policy changes
 - More leisure time and fewer alternative activities
 - Response to stress

Coronavirus: Alcohol fears amid lockdown boredom

By Tomos Lewis BBC News

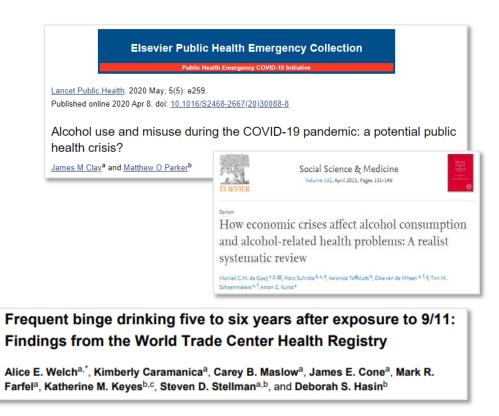
③ 28 April 2020

FOOD // WINE

The coronavirus is driving us to drink. Maybe that's OK

Plus: Resources for keeping yourself fed while sheltering in place, in this week's Drinking with Esther newsletter

- Some studies predicted lower alcohol consumption
- Why might that not be the case?
 - Expectation of lower access to alcohol offset by policy changes
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Implications of Increased Alcohol Consumption

o Short-term

- Potential impact of increased drinking at home on domestic violence and child neglect
- Impact of alcohol on immune system and complications of COVID-19
- Risk factor for depression and suicide

• Long-term

- Potential for escalation into alcohol use disorder
- Morbidity and mortality associated with increased alcohol consumption





Research Priorities Moving Forward

- Monitor alcohol consumption and alcohol policies as COVID-19-related restrictions are lifted.
- Monitor alcohol-attributable harms during and following the COVID-19 pandemic.
- Support wider implementation of public awareness campaigns that encourage people to drink less or at least not drink more than usual.
- Understand connection between policy changes and alcohol consumption.
- Conduct more waves of the current survey.







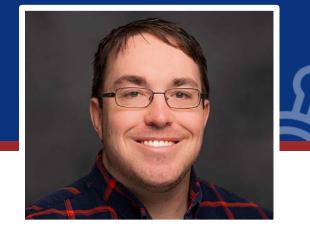
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