



Findings from a global civil science project

Alcohol consumption patterns in times of COVID-19

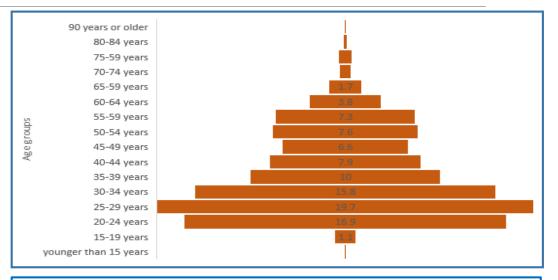
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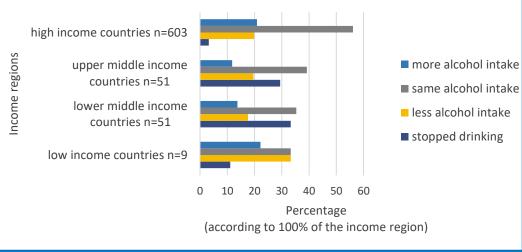
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Do you drink alcohol?

Aim & Methods & Descriptives

- > to identify COVID-19 "lockdown" constraints affect the food systems and dietary behaviour of populations across the globe
- Here: special attention was paid to the consumption of alcohol
- Online survey with semi-structured questionnaire translated into >10 languages
- Regression models ->
 - a) changes in consumption patterns,
 - b) potential determinants for change
- Qualitative analysis of open ended questions
- Data collection period: 17.4.-15.7.2020
- > 1042 participants from 62 countries (uneven distribution)
- > -> 718 responded to the questions on alcohol consumption
- > ♂:♀=77% vs. 22% (0.7% non-binary)





Lockdown scenarios & alcohol consumption

binary logistic regression (mean difference), adjusted for age, gender and income regions

	Alcohol	intako		Alcohol intake			
				Alconol intake			
	Decrease √	Increase 1		Decrease √	Increase 1		
No Lockdown - No lockdown anymore			No travel res	No travel restrictions - Travel restrictions			
Mean dif.	-0-058	-0.162	Mean dif.	-0.079	-0.068		
p	1.000	0.115	p	0.198	0.158		
95% CI	-0.255/0.138	-0.349/0.025	95% CI	-0.200/0.042	-0.162/0.027		
No lockdown - Lockdown			No store closures - Only food stores, drugstores & pharmacies are open				
Mean dif.	-0.005	-0.083	Mean dif.	-0.088	-0.060		
p	1.000	0.219	р	0.091	0.163		
95% CI	-0.141/0.132	-0.199/0.034	95% CI	-0.190/0.014	-0.145/0.025		
No lockdown anymore - Lockdown			No curfew du	No curfew during day - Curfew during day			
Mean dif.	0.054	0.079	Mean dif.	0.289	0.371		
p	1.000	0.219	р	0.136	0.054		
95% CI	-0.122/0.230	-0.045/0.202	95% CI	-0.091/0.669	-0.007/0.749		
No contact restrictions - Contact restrictions			No curfew	No curfew at night - Curfew at night			
Mean dif.	0.045	0.082	Mean dif.	-0.409	-0.495		
p	0.484	0.108	р	0.012	0.001		
95% CI	-0.081/0.170	-0.018/0.182	95% CI	-0.727/-0.091	-0.798/-0.191		

Results of binary logistic regression & Conclusion

independent variable 'age'	Coefficient	р	OR	95% CI lower bound	95% CI upper bound
Decrease in alcohol consumption	-0.219	0.000	0.803	0.713	0.904
Increase in alcohol consumption	-0.176	0.002	0.838	0.751	0.936

OR=Odds ratio, Significance level: p<0.05, 95% CI=95% Confidence intervals, adjusted for gender, income region, occupation, education, household types and living environment

"No longer eat out; not meeting up w/friends or social engagements - so less restaurant food, and less alcohol." (USA, 45-49 years, female)

We stopped drinking alcohol a fortnight ago (Argentina, 25-29 years, female)

Bar closures as well as bans on parties and gathering with friends at night may have led to a decline in alcohol consumption for social alcohol consumers. For others, this could have led to more alcohol consumption at home due to more time spend at home or boredom.