UCLA Undergraduate RESEARCH WEEK



Differences In Drug and Alcohol Consumption Among College Students During the COVID-19 Pandemic

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Presented by the Student Wellness Commission (SWC) Student Education and Research of Contemporary Health (SEARCH)

Introduction: Alcohol and Drug Use in College Students

INCREASE IN

ALCOHOL AND DRUG USE DURING COLLEGE

INCREASED SOCIAL PRESSURE IN COLLEGE

Increased peer pressure and perceived social norms ¹

Drug use initiated or students become regular users because of exposure ^{4, 5}

ACCESS TO RECREATIONAL DRUGS

INCREASE IN BINGE DRINKING

Students regularly drink past the binge threshold, set at 4 drinks for women and 5 drinks for men in one sitting ^{2, 3}

Recreational use of marijuana has adverse effects on GPA ⁶

USE OF MARIJUANA

Introduction: COVID-19 Factors that Impacted Alcohol and Drug Use in College Students



Purpose

SWC & SEARCH

Uses research to identify and improve on strategies regarding student health



SWC

Programming and advocacy for improving student wellness

OUR GOAL

- Examine changes in college students' alcohol and drug use during the COVID-19 pandemic
- Identify behaviors regarding substance use in order to implement more effective programming regarding student wellness

Methods



Healthy Minds Network (HMN) Survey was delivered through Qualtrics to college students across the country during the Fall 2019 period.

FALL 2020 DATA COLLECTION (N = 34,168)

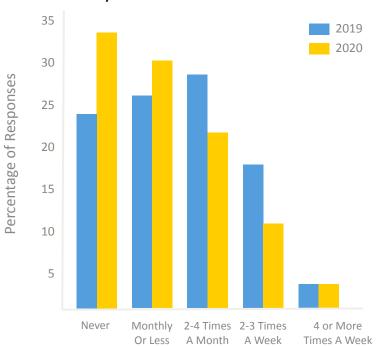
HMN Survey was delivered during the Fall 2020 period.

DATA ANALYSIS

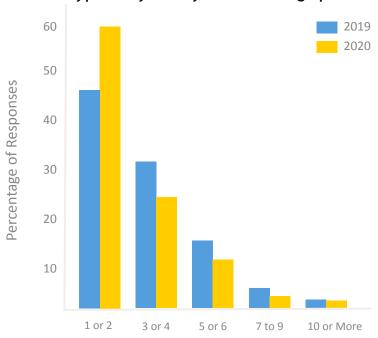
Analyzed data specific to alcohol and drug consumption & substance use behavior Alcohol consumption data analyzed through a two-tailed and one-tailed T-test. Two-proportion Z-test used to analyze drug use.

Results: Alcohol Consumption

AUDIT 1: How often do you have a drink containing alcohol? (p<1.93E-12)

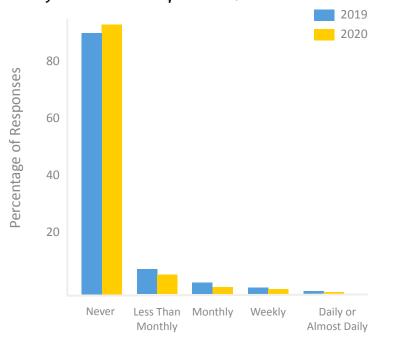


AUDIT 2: How many drinks containing alcohol do you have on a typical day when you are drinking? (p<3.67E-06)

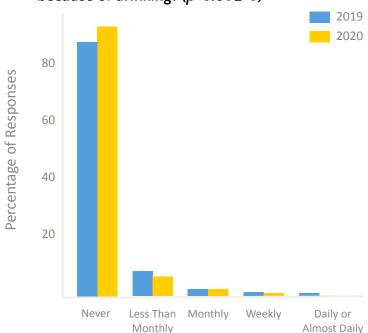


Results: Binge Drinking & Alcohol Interference

AUDIT 4: How often during the last year have you found that you were not able to stop drinking once you had started? (p<1.63E-2)

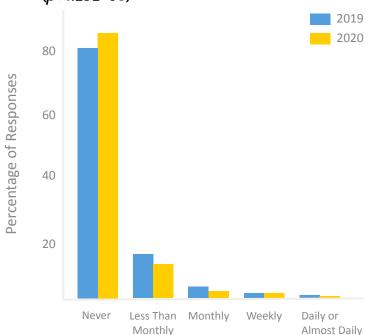


AUDIT 5: How often during the last year have you failed to do what was normally expected of you because of drinking? (p<6.09E-3)

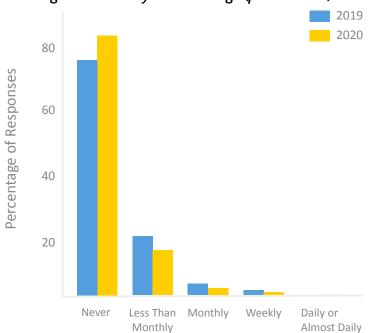


Results: Behaviors & Guilt Regarding Alcohol Use

AUDIT 7: How often during the last year have you had a feeling of guilt or remorse after drinking? (p<4.25E-03)

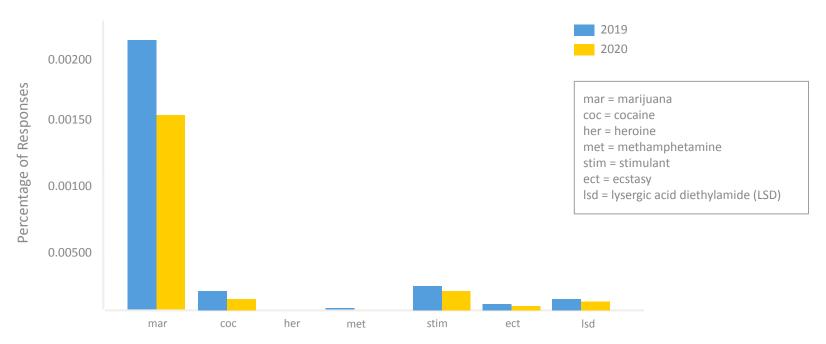


AUDIT 8: How often during the last year have you been unable to remember what happened the night before of your drinking? (p<4.32E-07)



Results: Differences in Specific Drug Use

Over the past 30 days, which drugs have you used?



Discussion

DECREASED ALCOHOL CONSUMPTION

- College campuses closing and stay at home orders → students moving back home
- Less social interactions and less access to alcohol for underage students
- Social distancing protocols discouraged large gatherings

MORE RESPONSIBLE DRINKING HABITS

- Students have less motivation to drink because of less peer pressure
- More parental supervision may deter students from participating in irresponsible drinking behaviors

DECREASED DRUG USE

- Limited accessibility to drugs
- Less social pressure and social gatherings
- Potential decrease in need for cognition-enhancing drugs with classes being held virtually

Discussion & Limitations

DECLINE IN MENTAL HEALTH ⁸

Despite correlations between mental health and substance use ⁹, there was a significant decrease in reliance on substances during Fall 2020.

IMPROVEMENT IN BEHAVIORS RELATED TO SUBSTANCE USE

Furthemore, the decrease in binge drinking and guilt post-alcohol may indicate that removal from social pressures alleviate irresponsible behavior.

POTENTIAL LIMITATIONS

Survey has a different set of campuses in the sample each year

Deindividuation of data leads to not being able to specify results based on college campuses and specific locations.

Conclusion & Future Directions

CONCLUSION

- Significant decrease in alcohol consumption and drug use, related behaviors
- Social distancing and quarantine impact social pressures

FUTURE DIRECTIONS

 Analyze specific colleges such as UCLA to better understand campus population's behaviors and use towards alcohol and drugs

APPLICATIONS

- Use our research to implement more effective programming regarding student health, specifically with alcohol and drug consumption

Acknowledgements

We would like to thank:

- Daniel Eisenberg
- Healthy Minds Network
- Student Wellness Commission (SWC)
- SWC Student Education and Research of Contemporary Health (SEARCH)
 COVID-19 Research Committee

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