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The Effect of Heavy Episodic Drinking on Caloric IntakeNMaya Anand, Vanessa Bottos, & Stephanie TarantoHWS 410 CUREYFaculty: Lina Begdache

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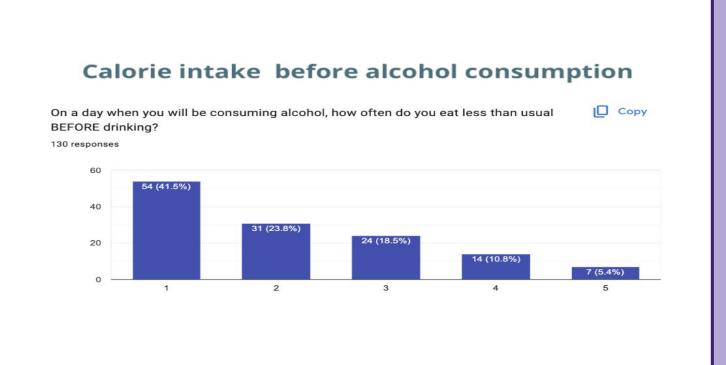
Abstract

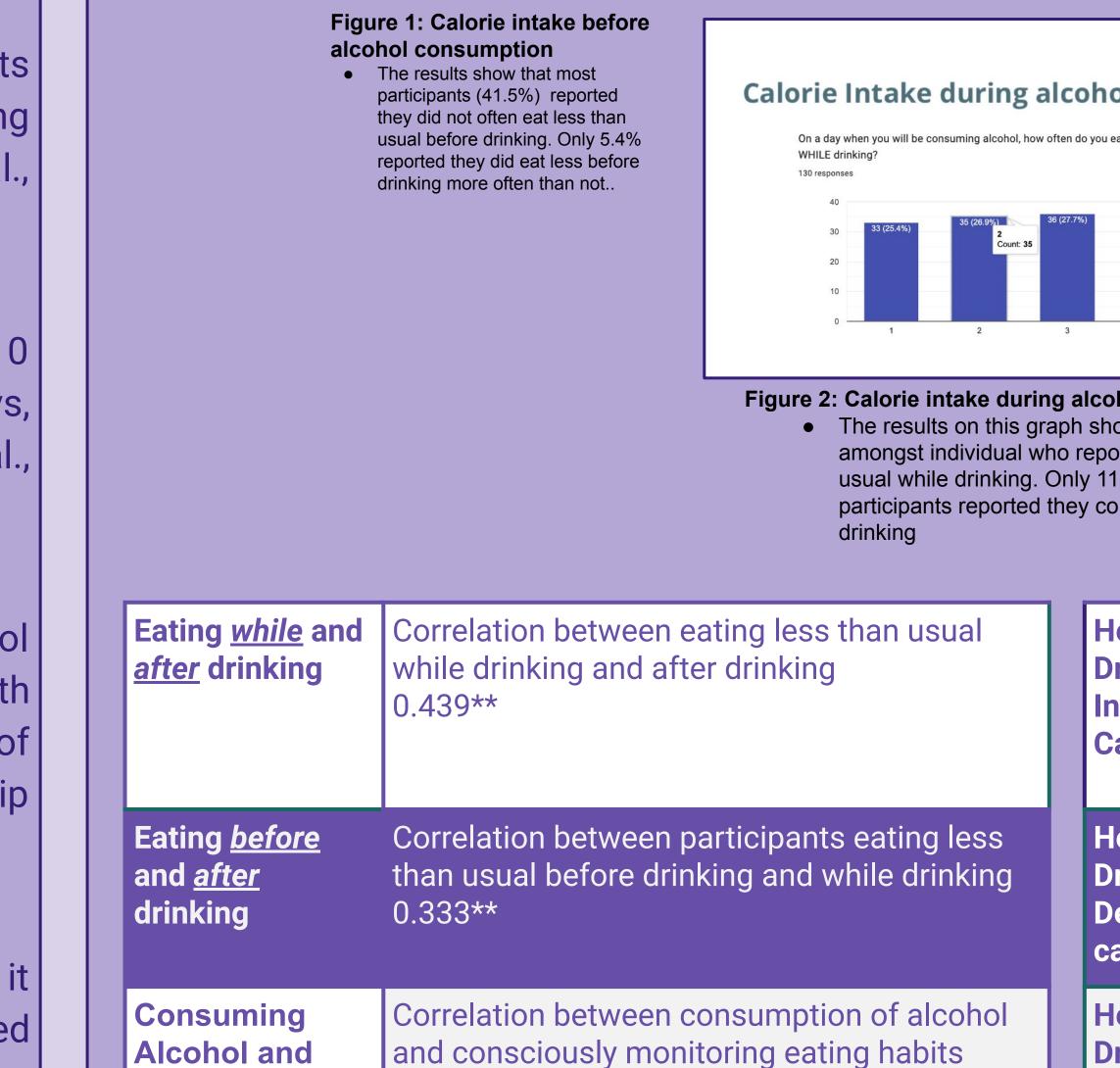
- Alcohol use is known to be prevalent in/on college campuses, where students are prone to heavy episodic drinking
- We studied the correlation between alcohol use in university students and how it impacts their diet.
- Does heavy episodic consumption of alcohol impact caloric intake in college students?
- Students filled out a short survey on their habits
- We found that there was a correlation between Heavy Episodic drinking, caloric intake, and restrictive eating.
- We found no significant relationship between heavy episodic drinking and conscious monitoring of eating habits

Introduction

- From 2012-2021, data collected using 4,519 college students showed there were high rates of binge drinking reported along side of moderate rating of poor quality diets (Krieger et al., 2018).
- Of 4,271 undergraduate college students surveyed from 10 universities, 39% reported restricting calories on drinking days, 67% of which did so because of weight concerns (Giles et al., 2009)
- Another study found that average excessive alcohol consumption and binge drinking were associated with nonadherence to the main food guidelines on consumption of meat, milk, fruits, and vegetables, and were more likely to skip breakfast and dinner (Valencia-Martín et al., 2011)
- Given the prevalence of alcohol use (HED) in college students, it is important to explore the potential health risks associated with excessive alcohol consumption namely poor nutrition, weight gain, and chronic diseases.
- We expect our findings to follow a positive relationship between Heavy Episodic drinking and some change in caloric intake

Demographics: Male and Female; 18-22 y Number 128 Of Participants: Drinking Nutrition and Mo Survey: Drinking Nutrition and Mo Deliverance: GroupMe, text messages, Statistical Pearson's Correlation Coe





 Monitoring Eating Habits
 before drinking 0.079 (NOT SIGNIFICANT)

 Table 1. Points of Significance/Correlations between Eating and Alcohol Consumption(** = p<0.01)</td>

			Disc
years of age.			Our findin O A relat
			calorie○ A relat
			caloric
ood Assessment			o A rel
<u>HskcsCvXNGu5</u>			Decrea
, word of mouth,	and in person		 So What? Our fill
			calorie
efficient, SPSS V	ersion 25.0		in hung
			This drive
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			○ Our fi
C	alorie Intake after alcohol con	sumption	Calorie
	On a day when you will be consuming alcohol, how often do you eat less than u AFTER drinking?	isual 🔲 Copy	restric
	130 responses		specifi
	40 47 (36.2%)		■ Mis the
	20 22 (16.9%) 20 22 (16.9%)		par
		9 (6.9%)	
	Figure 3: Calorie intake after alco	hol	It is import self-report si
	 the results on this graph s that a majority (36.2%) of 		effects of he
ol consumption	participants reported not e less than usual after drink	eating	**it is imposs
u eat less than usual 🛛 🔲 Сору	The weakest percentage (participants(6.9%) reported	of	
	ate less than usual after d	-	
15 (11.5%) 11 (8.5%)			Con
4 5			 In conclu
ohol consumption			 Partic
howed a fairly even split ported not eating less that			alcoh
1.5% and 8.5% of comply ate less while			 Partic
			likely ⁻
Heavy Episodic	Correlation between Heavy Epis	sodic drinking	• Further
Drinking and	and increasing caloric intake be		relations
ncreasing	0.201**		to better
Calories			consum
leavy Episodic	Correlation between Heavy Epis	odic Drinking	
Drinking and	and decreasing caloric intake w	hile drinking	
Decreasing calories	0.182**		
leavy Episodic	Correlation between Heavy Epis	odic Drinking	Giles, S. M., Ch
Drinking and	and decreasing caloric intake at	Ŭ I	drinking days: a American colle
Decreasing	0.081 (NOT SIGNIFICANT)		Krieger, H., You Among College
alories			McVeen, A. (20
			https://skeptic
Table 2. Points of	Significance/Correlations betwee	en Heavy	Valencia-Martí Consumption F
	and Change in Caloric Intake(**		Experimental R

cussion

ngs include:

- ationship between alcohol consumption and a change in es before, while and after drinking
- tionship between Heavy Episodic drinking and increased c intake
- elationship between Heavy Episodic drinking and easing Calories

?

- findings with Heavy Episodic drinking and Increasing es may be consistent with studies that show an increase nger while drinking once they begin eating during an HED.
- is concept seems to suggest that when eating and inking are performed together, alcohol tends to promote ting excessively (McVean, 2020).
- Findings with Heavy Episodic Drinking and Decreasing ies may be consistent with studies showing the myth that cting calories is an effective weight loss strategy fically in women (Giles et al., 2009).
- sconception that reduction of overall caloric intake for e day could lead to weight loss and incentivize rticipants to continue eating less while and after drinking.
- rtant to note that with our cohort of participants, and survey type our results may not be fully indicative of the eavy alcohol consumption on caloric intake.
- ssible to assume a causal relationship between the two**

clusion

usion

- cipants may be experiencing diet changes due to not consumption.
- cipants who engage in Heavy Episodic Drinking are to have a change in their usual caloric intake.
- Research may be interested in exploring the ship between gender with alcohol and eating habits r understand the overall effect of excessive alcohol option on each individual.

erences

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