Understanding College Student Gambling Behavior & Risk Based on Legality

1

Why should we care? (historical studies)

Most studies indicate that college students gamble with a prevalence rate of approximately 40-60% (Gintey et al., 2013; LeBrie et al., 2010) with males more likely to report frequent gambling (LeBrie et al., 2010; Teeters et al., 2015)

Studies consistently reveal a higher level of disordered gamblers compared to the general population (~7- 11%) (Binn-Pike, 2007; Nowak, 2018; Nowak et al., 2014)

2

Who is Most 'At Risk' of Developing a Problem? (historical research)

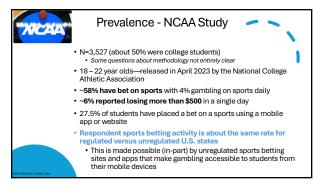
 Male college students, who are achievement oriented, risk takers, weekly or daily user of alcohol or drugs, have relatively high disposable incomes and were raised by a parent who gambles

 Although these are characteristics of the most 'at risk' group, do not automatically exclude a student if they do not match this profile.



Director Initiative

Gambling Research & Policy Ini East Carolina Univ malkinm20@ec





Added Vulnerability of **Student Athletes** (existing research)

Athletes generally have personality traits which can make them more vulnerable to disordered gambling, including: • High levels of energy and commitment

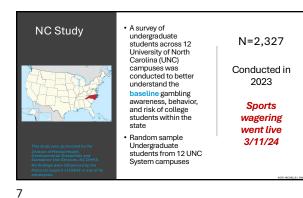
- · Motivated by extrinsic rewards
- Unreasonable expectations of winning despite the odds
- Competitive spirit they don't like defeat
 Distorted optimism
- Quest for perfectionism
- Prepared to make sacrifices
 Often intelligent with high IQ levels

5



GRPI New Research

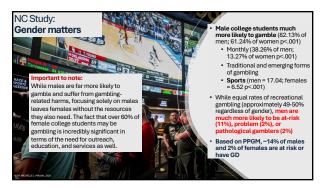
- North Carolina's UNC system (12 campuses)
- Michigan-based University pre (2018) & post legalization (2023)
- National Study (April 2024)



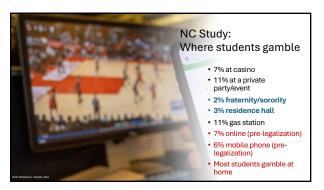




Issue – BBGS only captures 4.5% of those at risk



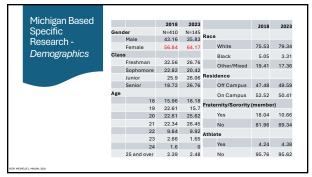


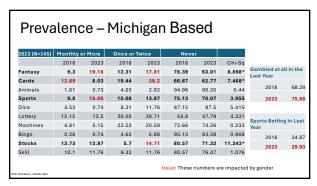




Michigan-Based Specific Research



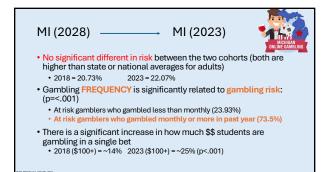




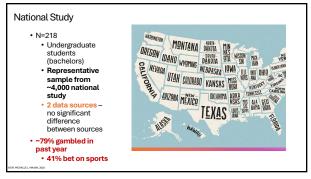


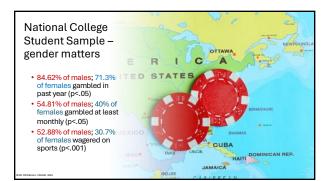
MI (20 (gend	028) ———→ MI er matters)	(2023)
•	Men gamble at higher rates (gambled in past year) (non-significant)	2018 = 78.26 2023 = 90.7%
Â	While men wagering on sports increased (2018 = 40.99% 2023 = 51.16%), the difference was non-significant	However, males were more likely to gamble monthly+ on sports (2018=19.88%; 2023=37.21%)
	There was an increase in women gambling (2018 = 62.74%; 2023 = 76.62% (p<.05) as well as wagering on sports	Sports (non-sig) 2018 = 10.85% 2023 = 19.48%
MCHELLEL, MALKIN, 2024		

	Gamb relates	-			-Risk ot At-Risk	2018 20.73 79.27	22.07	Chi-Sq 0.115
Type of Gar	nbling by Risl	k (2023) (N	=145)					
	Monthly o	or More	Once o	r Twice	1	Never		
	Not At Risk	At Risk	Not at Risk	At Risk	Not at Ri	sk	At Risk	Chi-Sa
Fantasy	13.95	26.67	18.6	16.67	67.	44	56.67	1.852
Cards	5.71	15.62	26.67	37.5	67.	62	46.88	5.667
Animals	0.95	0	0.95	9.38	98	5.1	90.62	6.406*
Sports	6.67	46.88	13.33	15.62		80	37.5	31.106*
Dice	0	3.12	9.62	18.75	90.	38	78.12	5.406
Lottery	8.65	25	39.42	40.62	51.	92	34.38	6.816*
Machines	2.88	12.5	14.42	40.62	82.	69	46.88	16.783*
Bingo	0.96	0	5.77	6.25	93.	27	93.75	0.318
Stocks	8.65	31.25	12.5	21.88	78.	85	46.88	13.913*
Skill	4.81	34.38	6.73	28.12	88.	46	37.5	36.015*
HELLE L. MALKIN, 2024				Issue: These	numbers a	are imp	acted by g	ender



MI (2028) MI (2023)	
Other interesting findings	
 Fantasy Sports wagering also significantly increased Substantial increase in daily stock trading Athetic status was significantly related to gambling prevalence in 2018, but not in 2023 Alcohol use is related to gambling risk in 2018 & 2023 with moderate to severe alcohol use risk related to gambling risk, however legality of gambling did not impact this significant) In logistic regression, we find that overall legality (differences between 2018 and 2023) did not impact tisk) 	S
Most important items related to gambling risk: (p<.001) Wagering on sports monthly or more Wagering on lottery monthly or more Wagering on slots/video gaming terminals Male gender Non-significant (fantasy sports, cards, animals, dice, bingo, stocks, class level, race/ethnicity, Greek affliation, leasuization)	





National College Sample - does legality matter?

Sports Wagering Legal

- Legality does not matter on whether college students wagered on online/mobile sports (42.48% legal state v 40% not legal state)
- Legality does not matter on whether college students wagered on in-person sports (40.16% legal state v. 42.86 not legal state)
- # of legalized forms of gambling in the state
 - Legality does not matter on gambling within the past year on the number of forms of gambling that are legal in the state (0-13 forms) (p=.99)
 - Legality does not matter on gambling monthly or more based on the number of forms of gambling that are legal in the state (p=.14)



22

So, what does this all mean?

- Overall, looking within a single state pre-legalization, students are already gambling, including on sports and with their mobile devices/online
- Looking at a single state, pre/post legalization, prevalence of gambling increases, while risk stays about the same
 - Gambling frequency is related to gambling risk
 Students are spending more \$\$ gambling
- Looking nationally by state, legality does not seem to matter
- All of this is clouded by gender of college students, where more females attend college. When looking specifically at gender, male college students gamble more often and are at higher risk of GD.

23

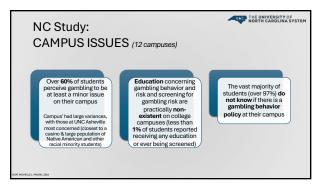
Policy Implications

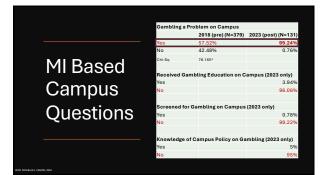
- Whether gambling is legal or not, college students are engaging in all types of wagering
- Legalization allows for regulation and resources
 - Education
 - Outreach/Screening Treatment
- Research

So, has legalization led to these changes?









What Should Happen?

• Early intervention education is critical

- Ideally, this should begin in grade and high-school so that they are better prepared for exposure in college, although post-secondary institutions cannot expect this to occur
 Colleges and universities should integrate problem gambling
 - awareness education into student onboarding programs and ongoing wellness education
- Of equal importance, is for universities to invest in support systems so that they can offer students immediate access to online counseling and therapy services for gambling-related harms, in addition to the common mental/behavioral health concerns they already contend with

28

