

Overview of Presentation

Collaborative Partnership among: **OAPGG**

- 1. Gambling Context and Study Purpose
- 2. Summary of Methods
- 3. Primary Findings
- 4. Summary of Findings
- 5. Recommendations and Future Directions
- 6. Emerging Areas of Concern
- 7. Questions

Kansas City Port Authority Problem Gambling Fund Advisory Committee



TTU Graduate Students: Lauren Lewis & Uibin Lee



2

1

References to NCPG's NGAGE Study



Conducted in 2018

Includes 3,000 US adults

National Survey on Gambling Attitudes and Gambling Experiences Serves as a reference point



What	10 0	ıamh	dina'
vviiai	. 13 U	ıaııı	uniu :

Definition: *Gambling* is placing something of value at risk on the chance of winning something of greater value

Three Elements: (1) Wager, (2) Chance, (3) Reward

From NGAGE Study: 73% of US adults gamble annually

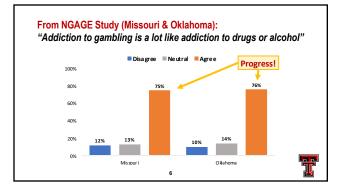


4

Gambling Disorder in the United States, and within Missouri and Oklahoma



5



A note on Gambling Disorder

Clinical Diagnosis (ICD-11 or DSM-5)

- Persistent and recurrent gambling behaviors leading to clinically significant impairment or distress
- Includes evidence of tolerance, conflict, chasing, preoccupation, withdrawal, deception, etc.
- · Self-report is not a substitute for a clinical diagnosis



7

DSM-5 Criteria

- 1. Need to gamble with increasing amounts to achieve the desired excitement.
- 2. Restless or irritable when trying to cut down or stop gambling.
- 3. Repeated unsuccessful efforts to control, cut back on or stop gambling.
- $4. \quad \mbox{Frequent thoughts about gambling (such as reliving past gambling or planning future gambling)}.$
- Often gambling when feeling distressed.
- 6. After losing money gambling, often returning to get even. (This is referred to as "chasing" one's losses.)
- 7. Lying to hide gambling activity.
- 8. Risking or losing a close relationship, a job, or a school or job opportunity because of gambling.
- 9. Relying on others to help with money problems caused by gambling



8

Prevalence of Gambling Disorder

United States: <1% to 2%

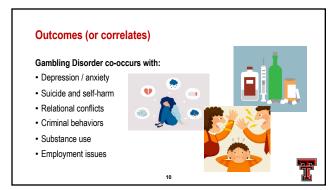
Prevalence rates appear to be increasing in recent state-wide surveys suggesting a need to update the national estimate

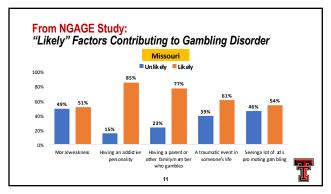
New Jersey: 6.1%

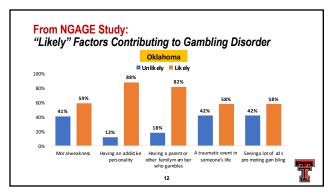
Illinois: 3.8%

The increase in prevalence follows the legalization of sports betting and the expansion of online gambling









Awareness and use of resources for Gambling Disorder among those who gamble



13

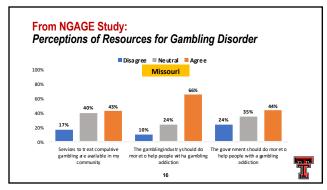
Two Studies on Prevention / Awareness Campaigns Can Advertising Increase Awareness of Problem Gambling? A Statewide Survey of Impact Lisa M. Najavits Lorraine D. Grymala and Betty George North Auscican Training Institute, Dukith, Minnecota RESEARCHARTICLE "When the Fun Stops, Stop": An analysis of the provenance, framing and evidence of a 'responsible gambling' campaign May Claus Schollwoyk: "-, Nason Maan! 1-2-3, Martin McKee!, Samantha Thomas*, Cecile Knall*, Mark Petilicrew." 14

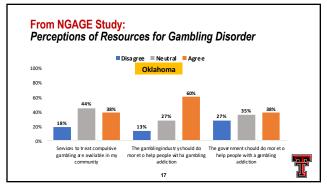
14

Gambling Disorder Resources

- Limited research on awareness of and use gambling disorder resources.
- There is a need for more research on the effectiveness of prevention ads, gambling helplines, Gamblers' Anonymous, and treatment (in general).







17

In summary...

- Gambling is a <u>popular</u> recreational activity, and the vast majority of adults gamble at least once annually.
- Gambling disorder is a serious mental health concern.
- Prevalence rates of gambling disorder have been increasing in recent statewide assessments.
- Prevalence of players with knowledge of resources for gambling disorder remains largely unknown.



The 2022	Oklahoma	and	Missour
Gambling	Prevalenc	e St	udies



Purpose and Objectives

- To assess the prevalence of gambling participation among Oklahoma and Missouri adults
- To assess the prevalence of gambling disorder among Oklahoma and Missouri adults, as delineated in the DSM-5.
- 3. Examine demographic differences for gambling participation and gambling disorder among Oklahoma and Missouri adults.
- 4. To assess the awareness and use of gambling disorder resources and support among Oklahoma and Missouri adults



Methods

- A third-party marketing research firm conducted the data collection
- Data from 5,578 OK adults and 5,094 MO adults were collected during the 2022 Summer via a <u>non-probabilistic sampling procedure</u>
- Only those reporting gambling engagement during the past year were allowed to complete the survey
 - Demographic data was still collected from those who did not gamble.



21





It is common practice to heavily vet data from online surveys to ensure only valid responses are used in primary analyses.



22

Methods (continued)

- Data were screened for the following issues:

 - (1) Incomplete demographics
 (2) Evidence of socially desirable responding
 - (3) Inconsistent response to gambling participation items
 - (4) Incomplete gambling disorder self-report

Final Samples include 4,035 OK adults and 3,259 MO adults



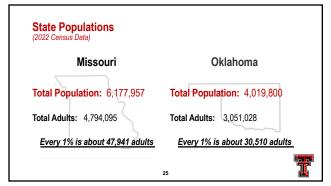
23

24

Methods (continued)

- Data was weighted by several demographic variables:
 Sex (male, female)
 Age Group (under 25, 25-34, 35-44, 45-54, 55-64, 65-74, 75-84, and 85+)
 Ethnicity (i.e., Hispanic, Latino, or Spanish heritage [yes, no])
 Race (White, Black, American Indian, Asian, Hawaiian or Pacific Islander, Two or more races, and Other race/Prefer not to say)
 State County
- The weighting procedure largely corrected for all of the imbalances between the targeted percentages based on Census data and observed.





Sample Demographics



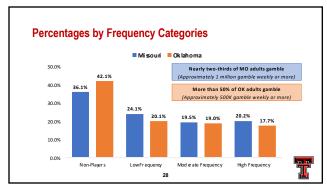
Gambling Frequency Categories

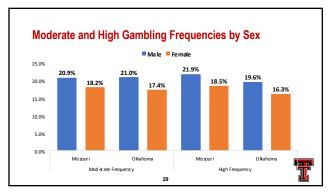
- Gambling Frequency
 Defined as the maximum frequency reported across all activities the player endorsed.
 Three categories were created based on methods from previous studies:
 - 1. Those who do not gamble
 - 2. Low Frequency [Less than monthly]
 - Moderate Frequency [Monthly]
 High Frequency [Weekly or more]

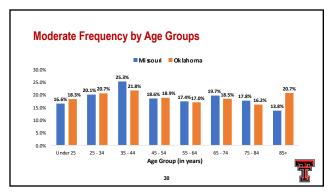
Example of coding process:

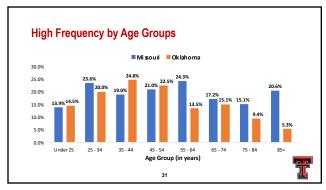
If an individual bury lottery tickets weekly, plays casing games monthly, and bets on sports less than monthly. This person would be categorized as High Frequency player based on the frequency that they purchased lottery tickets during the last year.

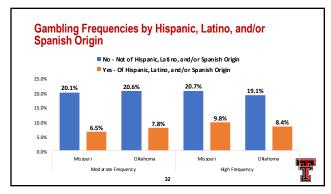
27

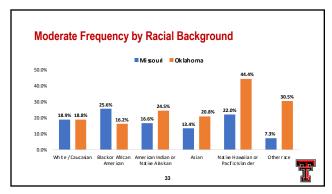


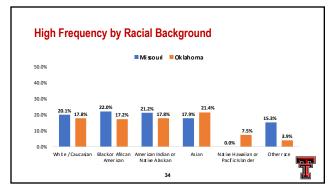




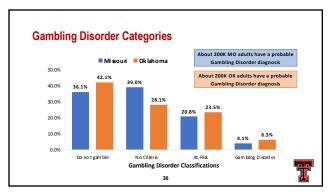


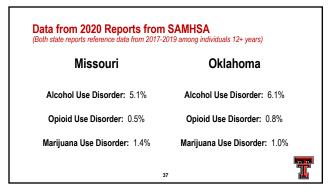


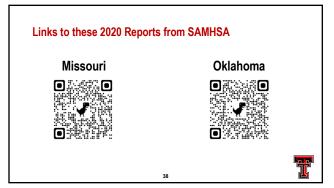


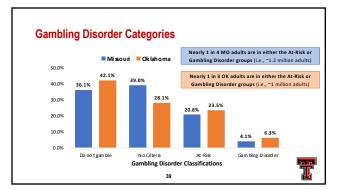


Gambling Disorder Classification Defined by the number of DSM-5 criteria that were self-endorsed. Four categories were created based on recommendations from the DSM-5: 1. Those who do not gamble 2. No Criteria [Those who did not endorse any criteria] 3. At-Risk [Those who endorsed 1-3 criteria criteria] 4. Gambling Disorder [Those who endorsed 4+ criteria]



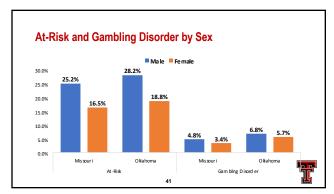


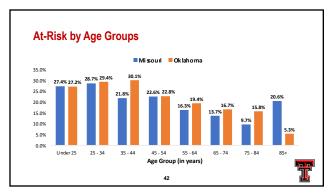


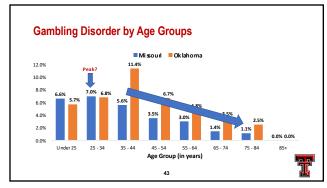


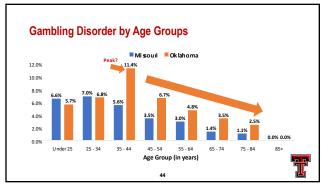
Demographics of At-Risk and Gambling Disorder

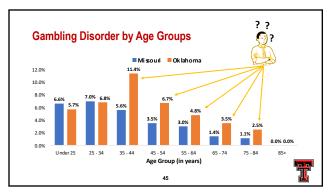


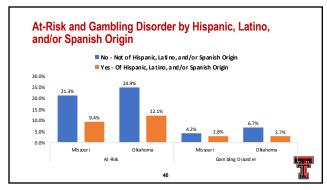


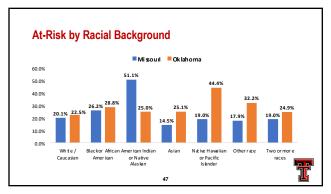


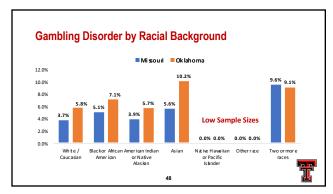












ĸ		_			c .		_	
N	/I	N۱	/11	กต	TΛ	rw	ar	'n
ı١	,,	v	, ,,	шм			uı	u.

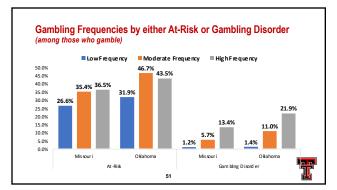
Only data from those who gambled during the past year were used in the following analyses

Ŧ

49

Gambling Frequency by Gambling Disorder Categories

50









What percentage of those playing different gambling activities are endorsed 4+ criteria (i.e., gambling disorder)?

Ŧ

55

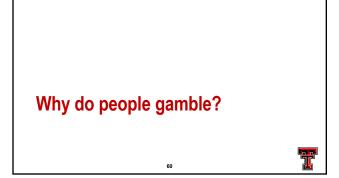
Prevalence of Gambling Disorder among those engaging in (or Not) the Top Five Gambling Activities 25.0% Missouri 20.0% 15.0% 10.0% 6.5% 6.4% 6.3% 6.6% 2.8% 13.3% 13.3% 5.2% 8.7% 5.2% No Yes No Yes No Yes No Yes No Yes Shl Bert or Car do Machine Gam a Still Bert or Car do with Friends Still Best or Car do with Friends

56

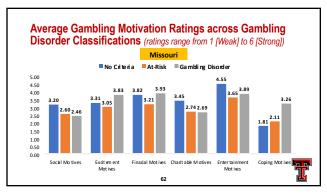


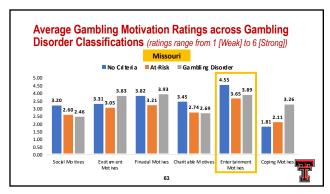




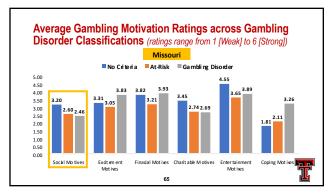


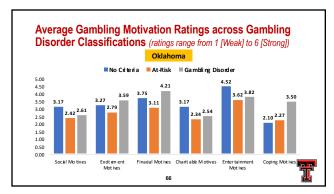


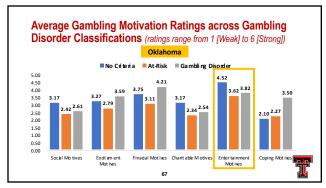


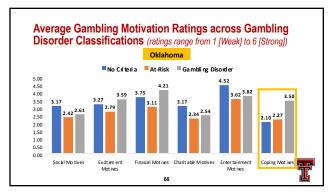


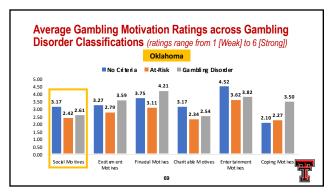












What proportion of those who gamble endorse maladaptive beliefs?

Ŧ

70

Maladaptive Gambling Beliefs

Gambler's Fallacy Belief:

After losing many times in a row, are you more likely to win?

MO: 12.2% endorsed OK: 12.2% endorsed

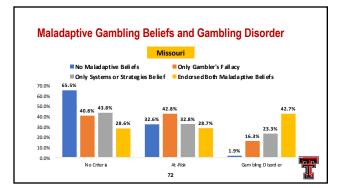
• Belief in a System or Strategy:

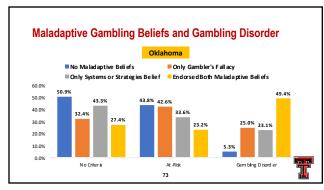
Can you win more if you use a certain system or strategy?

MO: 12.0% endorsed OK: 16.8% endorsed



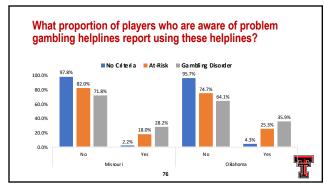
71



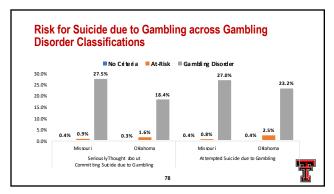


Awareness and Use of Problem Gambling Resources





Why is gambling disorder critically important to address?



Summary	of	Find	ings	and
Implication	ns			



80

Summary

- 64% of MO and 57% of OK adults gamble with 18% gambling weekly
- Nearly 25% of MO adults and 30% of OK adults are at-risk for gambling disorder
 4.1% of MO and 6.3% of OK adults endorsed 4+ criteria suggesting high probability of gambling disorder
- Gambling weekly and/or playing slot or video card machines increases risk for gambling disorder
- Those who gamble do appear to be aware of the gambling helpline, but a small proportion are accessing this resource.
- About 1 in 4 of those probable for gambling disorder report experiencing suicidal thoughts and even attempting suicide due to their gambling



80

Implications

MO and OK have heightened prevalence rates of gambling disorder relative to other states and national estimate of about 2%

- There is reason to believe that legalizing sports betting will increase the prevalence of gambling disorder based on increases in call volume within some states.
- With an already high prevalence of gambling disorder, do Missouri and Oklahoma have the resources, policies, and infrastructure to support legal sports betting and online gambling?

If not, what will it take to become ready?



Imp	licat	ions
(conti	nued)	

A small proportion of those struggling with gambling disorder have called the helpline.

• What explains the lack of calling the helpline among high-risk individuals?

A high proportion are not aware of treatment options or Gamblers Anonymous meetings.

• What are the obstacles in increasing awareness of these resources?



82

Expectations for Next Five Years

Two general predictions

- There will be an increase in the prevalence of gambling participation across the U.S.
- 2. Individual intensity is expected to increase.
 - \bullet Legalization of sports betting and online gambling will contribute to an increase in access to gambling
 - Younger adults are gambling at higher rates, and more gambling is becoming increasingly intertwined with other activities (e.g., video gaming, investing)



83

84

A Comment on Emerging Gambling Activities



Cryptocurrency	Trading	and Ci	ryptocurrency	v Casinos

- · Gambling (or speculation) within financial markets is not new
- Access to financial markets has expanded exponentially in the last five years, and in particular, access to risky financial assets (e.g., options contracts, cryptocurrencies)
- A strong correlation between cryptocurrency trading and risk for gambling disorder (Note: National and state-level prevalence data is not currently available
- · Cryptocurrencies are also used to access online casinos



85

Gamblification of Video Gaming

- Gambling within or around video gaming has increased dramatically.
 - Examples include: (1) Loot box purchases, (2) eSports Betting, (3) Skin Betting, (4) Social Casino Gaming, (5) Play-to-Earn Video Games
- All examples (except Play-to-Earn gaming) are associated with increased risk for gambling disorder and gambling-related harms.



86

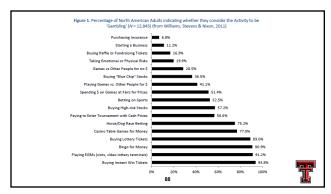
87

The Takeaway

- Do not limit intake questions surrounding gambling to only commonly viewed gambling activities
- This might be a bold statement:

Gambling is less an activity and more a behavior





A Comment on Gambling-Related Harms

89

These include... Financial harms Emotional and psychological harms Interpersonal harms Community harms (e.g., criminal activity) Economic harms Physical harms These include... Gambling harms are common even among recreational players 22% of players below problem 7% of non-problem players

On the costs o	f problem vs o	lisordered	l gambling
----------------	----------------	------------	------------

A population-level metric for gambling-related harm

Matthew Browne , Nancy Greer, Vijay Rawat and Matthew Rockloff



ABSTRACT

The restimator of the population-level impact of gameling have Prior estimation to population level in post of gameling have Protect estimation of the population of the protect of gameling on quality weights for the Problem Cambling Sewrity Index, which measure perperon impact of gameling on quality of file on a scale of zero to one. This provided scope for the present study to calculate the burden of gameling harm, which captures the aggregate impact burden of gameling harm, which captures the aggregate impact Cambling-related harm was associated with 101,675 years of life lost Victoria, Mustrac approximately two-thrifs that of alcohol use and dependence, and major depressive disorder Hoselman depressive disorder Poblem gamelies and despendence, and major depressive disorder Hoselman gamelies and considerate (27) and low (1.3 Prior kategories). Nevertheless, moderate and low risk gamelies account for 85% of population level harm, due to great prevailed the scaled of gameling-related that the processing of the population captures and provided the gameling population. The article-suggests that the tendency to conflate the typically low) prevelence of problem gambling with total provided gameling impact to the similar disease of a boast propulation propulation.

T

91

The point here is...

Most people gamble at least once a year

Many players experience gambling-related harms

Yet, only a small subset meet criteria for gambling disordered

Gambling may be harmful (and problematic) even if it is not "disordered"

We cannot be <u>only</u> concerned about disordered gambling



92

92

Final Thoughts

Gambling participation is likely to increase as legalized gambling continues to expand.

The prevalence of gambling disorder in OK and MO is concerning and underscores and $\underline{\textit{current}}$ mental health crisis within the state.

More outreach and awareness campaigns promoting responsible (or safer) gambling strategies



Thank you!	
Questions?	
Devin J. Mills, PhD Assistant Professor	
Department of Community, Family, and Addiction Science Texas Tech University Qevin Mills@ttv.edu 94	