

# Association Between Employment and Gambling Disorder W. Seymour, M.P.H.<sup>1</sup>, C. Scheele, M.A.<sup>1</sup>, L. Levy, J.D., M.P.H.<sup>1, 2</sup>, A. Monaghan<sup>1</sup>, J.E. Swanberg, Ph.D.<sup>3</sup>, J.K. Tracy, Ph.D.<sup>1, 2, 4</sup>

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# BACKGROUND

- Relatively little research has been conducted to examine the relationship between employment and gambling behavior.
- Problem gambling is estimated to cost the U.S. economy \$5 billion per year in direct costs from job loss and unemployment benefits.<sup>1</sup>
- There are significant additional indirect costs related to increased absenteeism, reduced productivity, employee theft and fraud, errors in judgment, among others.<sup>2</sup>

# **OBJECTIVE**

• To examine the relationship between employment status and gambling behavior.

## **METHODS**

- Participants (n=1090) were enrolled in the PEGASUS (Prevention and Etiology of Gambling and Substance Use in the US) study, an ongoing longitudinal study of gambling behavior in Maryland.
- Demographic information was collected via selfadministered questionnaire.
- Gambling behavior was assessed using the Alcohol Use Disorder and Associated Disabilities Interview Schedule (AUDADIS-IV)
- Participants who identified as transgender were not included in the final analysis (n =2) and listwise deletion was used to correct for missing data. The final analytic dataset included 1056 participants

SAMPLE			RESULTS				RESULTS
Table 1. Demographics	Range	Mean (SD)	Table 2. Adjusted Odds Ra gambling disorder	atios of ever h	aving proble	em	<ul> <li>African Americ times more lik</li> </ul>
Age	18-78 years	43.4 (14)	Variable	Odds Ratio	95% CI	P Value	controlling for
Gender	<b>Total</b> 1086	Percent	Age Gender	1.02	1.00-1.03	.006	<ul> <li>For each year lifetime gambl CI: 1.00-1.03).</li> </ul>
Female		51.8		1			Boing upomple
Male		48.2	Male	[Reference]		-	Cl· 1 54-2 99)
Race	1083	<i>1</i> 1 0	Female	0.76	0.57-1.01	.06	gambling disor having a gamb
African-American American Indian/Alaska Native		41.8 47.9 0.5	Race	1			employed.
Asian		4.6	White	[Reference]			<ul> <li>Non-working p</li> <li>likely to have</li> </ul>
Other or Mixed Race		5.2	African American American Indian/Alaska	5.27	3.84-7.23 0.32-	<.001	95% CI: 0.41-(
Employment Status	1076		native	2.06	13.15	.443	CONCLU
Employed		50.7	Asian	1.02	0.41-2.56	.963	
Unemployed Non-Working		25.3 24	Other/Mixed	3.87	2.07-7.23	<.001	1. Employment problem gam for other facto
			Employment Status				
Disordered Gambling Status Disordered Gambler	1087	37.8	Employed	1 [Reference]	1 54 2 00	< 001	2. Results sugges disproportion African-Ameri
			Non-working	2.14	1.54-2.99 0 /1_0 88		3. Our prelimina
RESULTS			NOIT-WORKINg	0.0	0.41-0.00	.005	outreach prog concentrate o
<ul> <li>In bivariate analyses, gambling disorder was significantly associated with: <ul> <li>Employment status (p &lt;.001)</li> <li>Race (p &lt; .001)</li> <li>Age (p = .006)</li> </ul> </li> <li>Disordered gamblers were older than individuals who did not exhibit disordered gambling behavior gamblers (M = 46.63 ± 12.4 years and 41.4 ± 14.7 years, respectively, p &lt; .001).</li> <li>The association between gender and disordered</li> </ul>			Problem Gambling Disorder vs Employment Status				REFERE
			10 00 00 00 00 00 00 00 00 00 00 00 00 0				<ol> <li>National Opinion F Community Databa National Gambling Opinion Research</li> <li>Hawley CE, Glenn characteristics of e</li> </ol>
			a D D D D D D D D D D D D D D D D D D D	Unemployed	Non-We	orking	<b>FUNDING</b>
gambling status was not signif	icant.			Employment Stat	us		Funding for this project Health and Mental Hy [#M00B4400404: PI: J

ericans were 5.27 (95% CI: 3.84-7.23) likely to have a gambling disorder, for age and employment status.

ar of a participant's age, the odds of bling disorder increased by 1.5% (95%)

ployed was associated with 2.14 (95% 9) times higher odds of ever having a sorder compared to the odds of ever nbling disorder for someone who is

g participants were significantly less e ever had a gambling disorder (OR 0.60, -0.88)

## **JSIONS**

t status correlates significantly with mbling disorder, even after controlling ctors.

gest gambling disorder onately affects the unemployed and ericans.

nary findings suggest a need for ograms on problem gambling to on unemployed persons.

## ENCES

n Research Center, Overview of the National Survey and abase Research on Gambling Behavior: Report to the ling Impact Study Commission, Chicago, IL: National ch Center, 1999.

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