## PHYSICAL HEALTH AND PROBLEM GAMBLING

Problematic gambling behavior is related to a number of physical health problems. Along with a host of physical health concerns, those who engage in problematic gambling have higher rates of suicide and premature death. ${ }^{1}$ Some of the more common associated health problems include:


Being at a greater risk of being overweight or managing obesity. ${ }^{2,3}$


Having chronic medical conditions like heart problems or diabetes. ${ }^{2,4,5}$


Engaging in unhealthy lifestyle behaviors, such as greater time spent in sedentary activities, poor diet, and increased alcohol and tobacco use. ${ }^{2,6}$


Having perceived poorer quality of physical health. ${ }^{2,7}$


General health problems: heartburn, headaches, sleeping difficulties, stress, and head injuries. ${ }^{2,8,9}$

Gambling severity and
number of harmful health behaviors are positively correlated; thus, the more severe the gambling, the higher likelihood of more health-related problems. ${ }^{16}$

[^0]
## OBESITY AND PROBLEM GAMBLING

- Compared to the general population, rates of obesity and being overweight are higher among individuals who engage in problem gambling behaviors. ${ }^{2,3}$ Those who engage in problem gambling behavior have been shown to have a higher BMI (an average difference of 3.6 BMI ) than non-problem gamblers. ${ }^{2}$
- In fact, more severe problematic gambling behaviors are associated with higher rates of obesity across studies. ${ }^{10}$



## SELF-PERCEIVED HEALTH AND PROBLEM GAMBLING

- Problem gambling is related to poorer self-reported general health perceptions. In one study assessing various health outcomes of problem gamblers, researchers found compared to non-problem gamblers, participants had lower health perceptions, particularly in domains of social functioning and vitality. ${ }^{2}$
- A large review found that self-ratings of bodily pain tended to be elevated and overall health self-perception tend to be lower compared to non-problematic gamblers across studies. ${ }^{7}$

[^1]
## CHRONIC MEDICAL CONDITIONS AND PROBLEM GAMBLING

Problem gambling behavior is related to having chronic medical conditions, including:

Heart conditions


Diabetes


Pain


- Problem gambling in older adults may place individuals at risk for developing arteriosclerosis and heart conditions. ${ }^{5}$ Researchers conducting a study including over 10,000 individuals aged 55 and older found individuals at risk of problem gambling were $36 \%$ more likely to develop arteriosclerosis than those not at risk. ${ }^{5}$
- Some limited data suggests that there may be an association between problem gambling and coronary heart disease. ${ }^{11}$
- Individuals at risk of problem gambling behavior may be more likely to have diabetes than non-problem gamblers. ${ }^{4}$
- Problematic gambling is also related to endorsements of greater pain interference than low or no pain. ${ }^{10}$
- Gambling is associated with individuals reporting higher physical health concerns, specifically bodily symptom complaints such as pain, weakness, or shortness of breath. ${ }^{7}$


## PROBLEM GAMBLING AND PHYSICAL HEALTH: RESEARCH CONTRADICTING THE LARGER BODY OF WORK

However, some studies suggest that problematic gambling is not always associated with increased chronic health risks.

- One study including over 25,000 adults, found that there were no differences between problem and non-problem gamblers in their rates of chronic diseases. ${ }^{9}$
- Individuals experiencing problems with gambling are not always found to have higher rates of diabetes ${ }^{2}$, or liver conditions ${ }^{5}$ compared to individuals who do not experience problems with gambling.

[^2]
## UNHEALTHY BEHAVIORS AND PROBLEM GAMBLING

Problem gambling often co-occurs with unhealthy lifestyles and poor health behaviors. Individuals with problem gambling behaviors also tend to ${ }^{2,16}$ :

- Spend more time engaging in sedentary activities, like watching television ( $20+$ hours/week).
- Engage in physical exercise less often.
- Individuals with problem gambling behaviors are two point nine times more likely to engage in low levels of physical activity.
- Use/consume more
- Tobacco (1+ pack(s) of cigarettes or 1 can of chewing tobacco per day).
- Alcohol, particularly binge drinking (>6 drinks).
- Caffeine (5+ servings daily).

Research suggests that women who gamble are more likely to drink while pregnant than those who do not. ${ }^{2}$

- Have poor:
- Hydration, skip meals, and /or eat less nutrient-rich diets. ${ }^{12}$ Individuals with problem gambling behaviors are more likely to have a poorer diet compared to those without.
- Hygiene and overall self-care.
- Sleep due to sleep deprivation or cumulative sleep debt.8,12

> Key Findings

- Problem gambling is strongly associated with obesity and an increased risk of alcohol and nicotine use.
- Problem gambling among older adults may increase their risk for heart conditions.
- Problem gambling tends to be associated with sedentary lifestyle choices.
- Problem gambling is associated with harmful health behaviors, which may lead to chronic health conditions or other long-term health consequences.


## PROBLEM GAMBLING PREVENTION AND INTERVENTION STRATEGIES

Given the harmful relationship problem gambling has with physical health, prevention strategies and methods to intervene are important for community stakeholders to know about.

- Learn more about the harmful relationship between physical health concerns and problematic gambling including prevention, treatment, and ways to support individuals who are seeking help.
- Integrate the harmful impact of problem gambling into education opportunities when discussing physical health concerns and/or developing partnerships.
- Use a brief assessment measure to identify gambling problems such as the Brief Biosocial Gambling Screen (BBGS) and assess functionality in areas of life (e.g., occupational, financial, social, interpersonal, and intrapersonal). ${ }^{13,14}$
- Develop a harm minimization strategy. Take a responsible gambling approach and collaboratively plan what best aligns with their goals, while also promoting health and reducing harm. ${ }^{13}$

Interventions and Treatment ${ }^{14,15}$

- Brief, early intervention (e.g., motivational interviewing or motivational enhancement).
- Social support groups such as Gambling Anonymous (GA) or SMART Recovery.
- Cognitive-behavioral therapy from specialists in addictive behaviors.
- There are mixed findings for medication use in the treatment of problem gambling. Consider reviewing research and attending training events on using pharmacological therapies for gambling urges and cravings.

[^3]
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