What this research is about

Gambling on the internet has risen rapidly over the last 25 years. Past research has found higher rates of problem gambling among people who gamble online than people who gamble in land-based venues only. However, most studies have combined people who gamble online only with people who gamble in mixed mode (i.e., both online and land-based). This inflates the extent of problems that are due to online gambling. Several studies have distinguished between land-based only, online only, and mixed mode gambling. These studies have all found that people who gamble in mixed mode are most likely to report gambling problems.

This study compared between land-based only, online only, and mixed mode gambling on demographics, gambling behaviours, gambling harms, and rates of at-risk and problem gambling. The current study also identified the risk factors for problematic gambling.

What the researchers did

The researchers used data from an Australian national telephone survey in 2019. In total, 15,000 adults participated in the survey. The researchers used data from 8,541 participants who had gambled in the past year. Participants were placed into three groups: land-based gambling only (5,919 participants; 69.3%), mixed mode gambling (1,926 participants; 22.6%), and online gambling only (696 participants; 8.1%).

The survey asked participants about their demographics and how often they engaged in 13 different gambling forms (e.g., lotteries, sports betting). Participants were also asked how much they typically spent on each gambling form in a month and percentage of gambling that was online and land-based. The survey included the Problem Gambling Severity Index (PGSI) and the Short Gambling Harms Screen (SGHS). Participants who only bet on lotteries and/or bingo less often than weekly were not asked to complete the SGHS. Participants who reported at least one harm were asked which mode of gambling and which gambling form contributed to the harm.

What the researchers found

Demographic characteristics

Compared to people who gambled in land-based venues only, those who gambled in mixed mode were more likely to be male, younger, single, born in Australia, and of Indigenous descent. People who gambled online only had some similar demographic characteristics, such as being male and younger. But, people who gambled online only were more likely to be married, have higher education, be born outside of Australia, and speak a language other than English at
home than people who gambled in mixed mode. They were also less likely to identify as Indigenous.

**Gambling characteristics**

People who gambled in mixed mode engaged in a higher number of gambling forms and did so more frequently than the other two groups. This included gambling forms available online (e.g., lotteries, races, sports) and in land-based venues only (e.g., electronic gaming machines [EGMs], keno, poker, casino games). Over one-third of people who gambled in mixed mode (35.8%) were at some level of gambling risk (i.e., at least low risk). About 5.1% had problem gambling and 11% had moderate-risk gambling. In comparison, the rates of problem gambling were 1.4% for land-based gambling and 0.7% for online gambling only. The rates of moderate-risk gambling were 3.8% for land-based gambling and 4.7% for online gambling only.

People who gambled in mixed mode were more likely to experience gambling-related harms than the other two groups. EGMs were the most commonly reported harmful form for mixed mode and land-based gambling. Sports betting and lotteries were the most common harmful form for those who gambled online only. Slightly more people who gambled in mixed mode mentioned land-based mode as their most harmful than online mode (54.6% vs. 45.4%).

**Risk factors for problematic gambling**

Gambling on the internet (mixed mode or online only) was associated with more severe gambling problems. This held true even after taking into account other risk factors. Engaging in more gambling forms, being male, being single, having lower education, being of Indigenous descent, and speaking a language other than English at home were all risk factors.

**How you can use this research**

The distinctive characteristics of the three groups could inform public health efforts to reduce gambling harms. The findings could also be relevant to treatment and support services.

**About the researchers**

Nerilee Hing, Alex M.T. Russell, Andrew Black, Matthew Rockloff, Matthew Browne, Vijay Rawat, and Nancy Greer are affiliated with the Experimental Gambling Research Laboratory at CQUniversity in Australia. Matthew Stevens is affiliated with the Menzies School of Health Research at Charles Darwin University in Australia. Nicki A. Dowling and Stephanie Merkouris are affiliated with the School of Psychology at Deakin University in Australia. Daniel L. King is affiliated with the College of Education, Psychology & Social Work at Flinders University in Australia. Anne H. Salonen is affiliated with the Finnish Institute for Health and Welfare in Finland. Helen Breen is affiliated with the Southern Cross University in Australia. Linda Woo is affiliated with the Melbourne Graduate School of Education at the University of Melbourne in Australia. For more information about this study, please contact Nerilee Hing at n.hing@cqu.edu.au.

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