#### GAMBLING AND COVID: THE LASTING IMPACTS OF THE PANDEMIC ON GAMBLING IN CANADA

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#### Disclosures

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- **Conflicts of Interest:** There are no potential conflicts of interest for this presentation or research.
- Prior dissemination: Results for Wave 1 & 2 of the ANP COVID Supplementary study have been published

#### The Natural Experiment

- In early 2020, the novel COVID-19 virus was declared a worldwide pandemic and each country began formalizing responses to the virus. By March 25<sup>th</sup>, 2020, most commercial land-based gambling venues in Canada had closed as they are deemed non-essential services (AGRI, n.d.; Stevens, 2020). This unprecedented closure of commercial gambling venues provided the natural experimental conditions to examine gambling engagement, motivations, harms, and treatment seeking in the absence of most legal face-to-face gambling opportunities.
- Across two years, pandemic response measures included the iterative relaxation and reinstatement of pandemic related restrictions on non-essential businesses.
- In the Fall of 2022, non-essential businesses were re-opened without pandemic related response measures.

#### Related Research

#### **Cross sectional**

• Pandemic related changes such as changes by game type, platform, etc. (e.g., Brown & Hickman, 2020; Gainsbury et al., 2020; International Gambling Business, 2020; Moraine, 2020, Price, 2022)

#### Longitudinal

- Player data (Auer et al. 2020; Auer et al., 2023) all gamblers, sports bettors
- Harmed Individuals (Gunstrone et al. (2020) sample of previously impacted gamblers/significant others report increased gambling
- Health Survey (Emond et al 2022) UK youth increase in online during lockdown and alcohol w/ gambling
- Others since land-based restrictions (e.g., Australia: Black et al 2021, Hing et al. 2024; ; Sweden: Mansson et al 2021, etc.).

#### Other

- Reviews (e.g., Quinn et al., 2022, etc.)
- Calls for safe strategies for returning to land-based gambling (Stark e& Robinson, 2021)

### Research Aims

Describe	Describe changes in Canadian gambling across time • Identify if gambling returned to pre-pandemic levels
Examine	Examine the impact of pandemic related variables on problem gambling when the 'new normal' had been established

#### Data Collection



## Research Method

- Comorbidities
  - (DSM Criteria)
- Gambling Variables
  - Gambling Engagement (frequency, # of games, time/session, total losses, platform) (Williams et al. 2017)
  - PGSI (Ferris & Wynne, 2001)
  - Gambling Fallacies Measure (Leonard, Williams, & Vokey, 2015)
- Demographics
- Personality (Impulsivity NEO-PI-R, Costa & McCrae, 1992)
- Covid Specific Experience (Grasso et al., 2020)
  - Employment
  - Health (self & others)

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# RESULTS

AIM 1



# Number of games



# Frequency



## Gambling losses (\$)



#### Platform







# RESULTS

AIM 2



#### PREDICTING GAMBLING SEVERITY CATEGORY

## Conclusions

- Gambling engagement declined during lockdown but began to increase post-lockdown
  - Engagement did not return to pre-pandemic levels
- A significant minority migrated to online gambling with most returning to land-based engagement post-lockdown
  - Rises in online did not return to pre-pandemic levels but considerable fluctuation is evidenced
- The return to land-based venues was a strong predictor for PG category
- COVID specific variables were significant in the prediction of PG scores two years after lockdown



THANK YOU!