Adverse childhood experiences are associated with increased gambling frequency among Alberta adults during the COVID-19 pandemic





BACKGROUND



Increases in addictive substance use during COVID-19¹



Financial strain may promote use of online gambling activities², particularly for vulnerable groups³



ACEs associated with addiction⁴ abuse, neglect, household dysfunction

METHODS

Online survey

(N = 1,274, 56% female, 35.2 yrs)



0 – 10; <4 (Low) ≥4 (High)



Increased Decreased No change

Three logistic regression models
Controlled age, sex, socio-economic variables

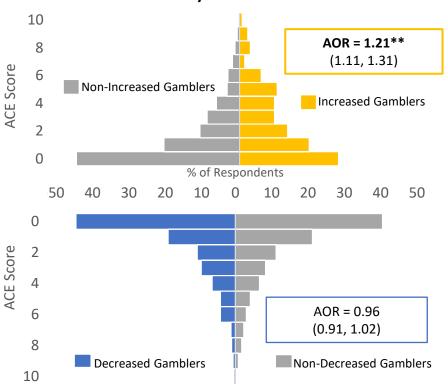
ACEs 0-10 Increased / Not Increased ACEs 0-10 Decreased / Not Decreased

<4, ≥4 ACEs Increased / Decreased

RESULTS

40% Decreased, 49% Didn't Change, and 11% Increased Gambling

Distribution of ACE Scores in Non-Increased/Increased and Decreased/Non-Decreased Gamblers



)



SUMMARY

- Most had no change in gambling
- ≥4 ACEs 2.5x more likely to increase gambling than <4 ACEs
- Each 1-point increase in ACE score associated with 21% greater odds of increased gambling

oforoncor

[1] Dubey, M. J., ..., & Dubey, S. (2020). COVID-19 and addiction. Diabetes & Metabolic Syndrome: Clinical Research & Reviews, 14(5), 817-823. [2] Hákansson, A., ..., & Jiménez-Murcia, S. (2020). Gambling during the COVID-19 crisis—a cause for concern. Journal of addiction medicine, 14(4), e10. [3] Hákansson, A. (2020). Changes in gambling behavior during the COVID-19 andemic—a web survey study in Sweden. International Journal of Environmental Research and Public Health, 17(11), 4013. [4] Felitti, V. J., ..., & Marks, J. S. (1998). Relationship of childhood abuse and household dysfunction to many of the leading causes of death in adults: The Adverse Childhood Experiences (ACE) Study. American journal of preventive medicine, 14(4), 245-258.