

Introduction

- The mechanisms underlying the relationship between childhood adversity and **alcohol use problems** are poorly understood. However, factors such as reward responsiveness, emotion dysregulation, and delay discounting may play an indirect role in influencing the relationship¹.
- **Delay discounting** refers to the tendency to choose smaller, immediate rewards over larger, delayed rewards². Childhood adversity is associated with steeper delay discounting,^{3,4} as is excessive drinking⁵.
- The purpose of this study is to build on a conceptual model describing the relationship between childhood adversity and problem alcohol use⁶, with a focus on the role of delay discounting, and how delay discounting may influence reward responsiveness and emotion dysregulation in influencing the relationship.

• Hypothesis:

• Emerging adults with a history of childhood adversity will display steeper delay discounting, blunted reward responsiveness, heightened emotion dysregulation, and be more likely to experience alcohol use problems later in life^{1,5}.

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Examining the influence of delay discounting in the relationship between childhood adversity and alcohol use problems

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Methodology	R
 Participants were recruited through Prolific, and deemed eligible if they met the criteria below: 18-29 years old Read and write in English and reside in North America Consume alcohol 2-4 times a month or more 	
 Eligible n = 663 Initial recruitment (n = 796) Did not complete pre-screen (n = 27) Not a regular drinker (n = 106) 	
 Completed n = 443 Withdrawal (n = 21) Failed attention check and/or completed <15 mins (n = 15) 	Fig
Final sample n = 435 • Z-scores of each measure +/- 3SD $(n = 8)$	dela
Figure 1. Recruitment flow and final study sample	
Childhood Trauma Questionnaire (CTQ)	P
Childhood Adversity	Dr
Difficulties in Emotion Regulation Scale (DERS)	
Emotion Dysregulation	P
Behavioural Inhibition/Behavioural Activation Scales (BAS) - Reward Responsiveness	
Monetary Choice Questionnaire (MCQ) Delay Discounting	Г
Young Adult Alcohol Consequences Questionnaire (YAACQ) - Alcohol Use Problems	L
Figure 2. Measures administered in the study.	
Would you prefer \$54 today	
Or \$55 in 117 days?	lı lı
Figure 3. MCQ sample item	F re



ndirect effect through reward: $\beta = .000$, Z = .260, p = .795ndirect effect through emotion dysregulation: $\beta = .001$, Z = .720, p = .471

Figure 5. Path analysis model depicting the relationship between childhood adversity and alcohol use problems through eward responsiveness, emotion dysregulation, and delay discounting.

