

Social Support Moderating the Effects of Discrimination and HIV-Related Stigma on Alcohol Use in People with HIV



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Background

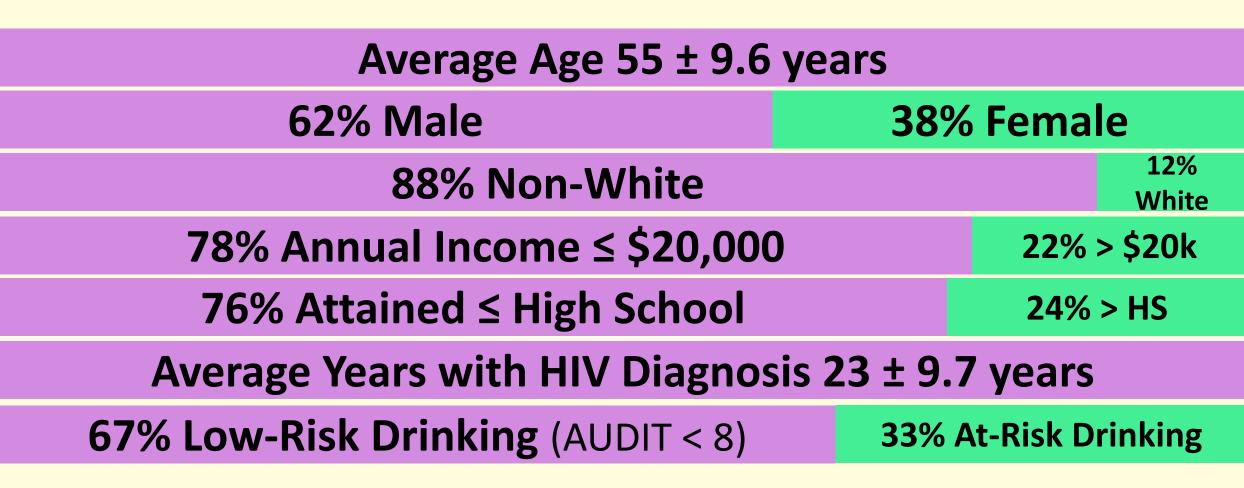
- Experiences of discrimination and HIV-related stigma can lead to negative health consequences including depression, anxiety, and increased alcohol use in people with HIV (PWH).
- HIV disproportionately affects members of racial and sexual minority groups.
- Alcohol Use Disorders (AUDs) are highly prevalent in PWH, and alcohol use negatively impacts the entire HIV care continuum.
- Social support can protect against hazardous drinking.

Objective

To examine the effects of interpersonal stressors (e.g., discrimination, HIV-related stigma), negative emotional responses (e.g., anxiety, depression), and social support on alcohol use in PWH

Methods

- Design: Cross-sectional analysis of the New Orleans Alcohol use in HIV (NOAH) Study (n=195)
- **Participants**: Adults living in and receiving HIV care in the Greater New Orleans Area, recruited from the University Medical Center, New Orleans.
- **Data**: Surveys on experiences of discrimination, HIV-related stigma, anxiety, depression, social support, and alcohol use
- Analysis: Chi-square, student's t test, correlations, linear and logistic regressions, and mediation modeling
- Analyses were conducted using SAS 9.4



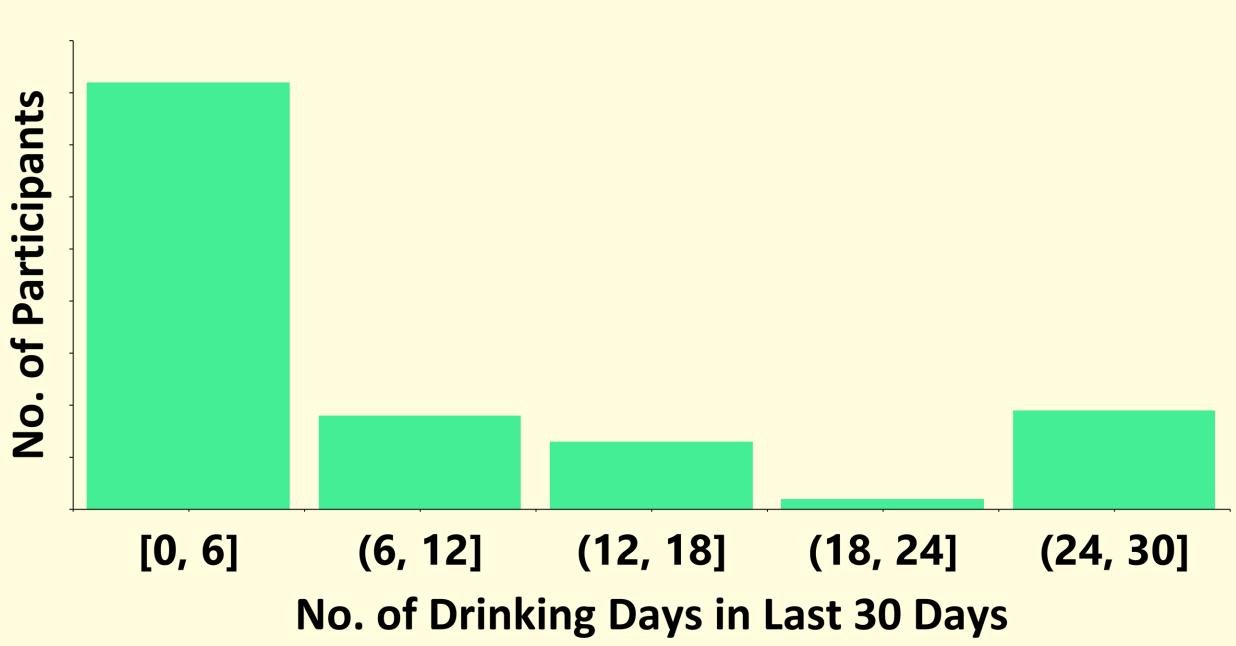


Figure 1: Most participants reported drinking on 6 or fewer days of the previous 30 days.

Results

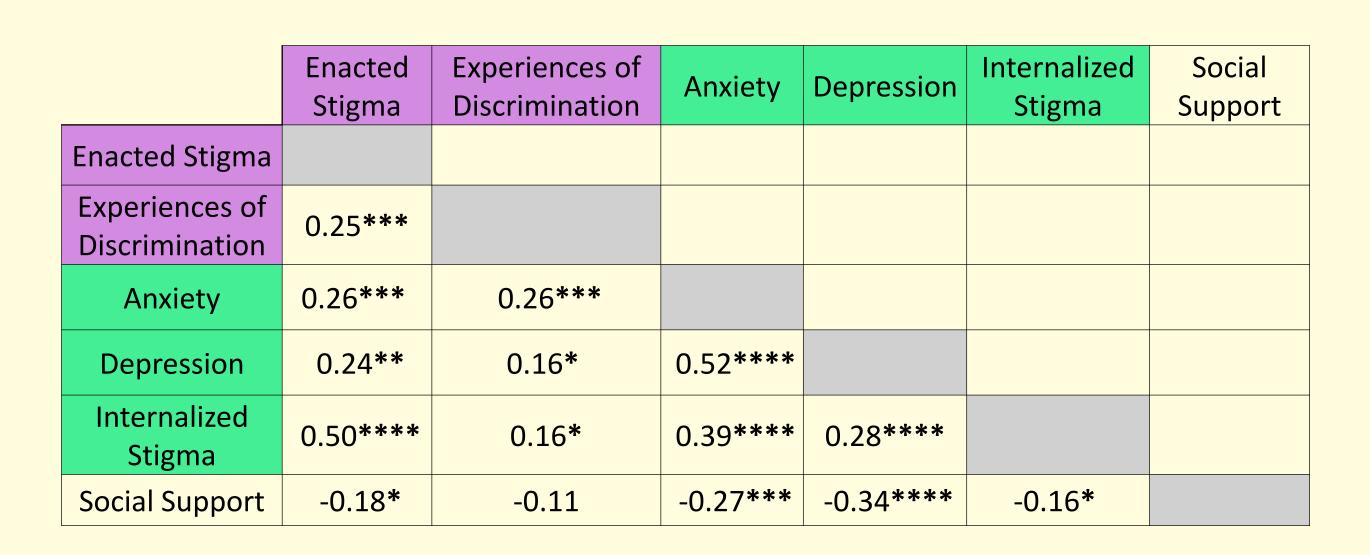
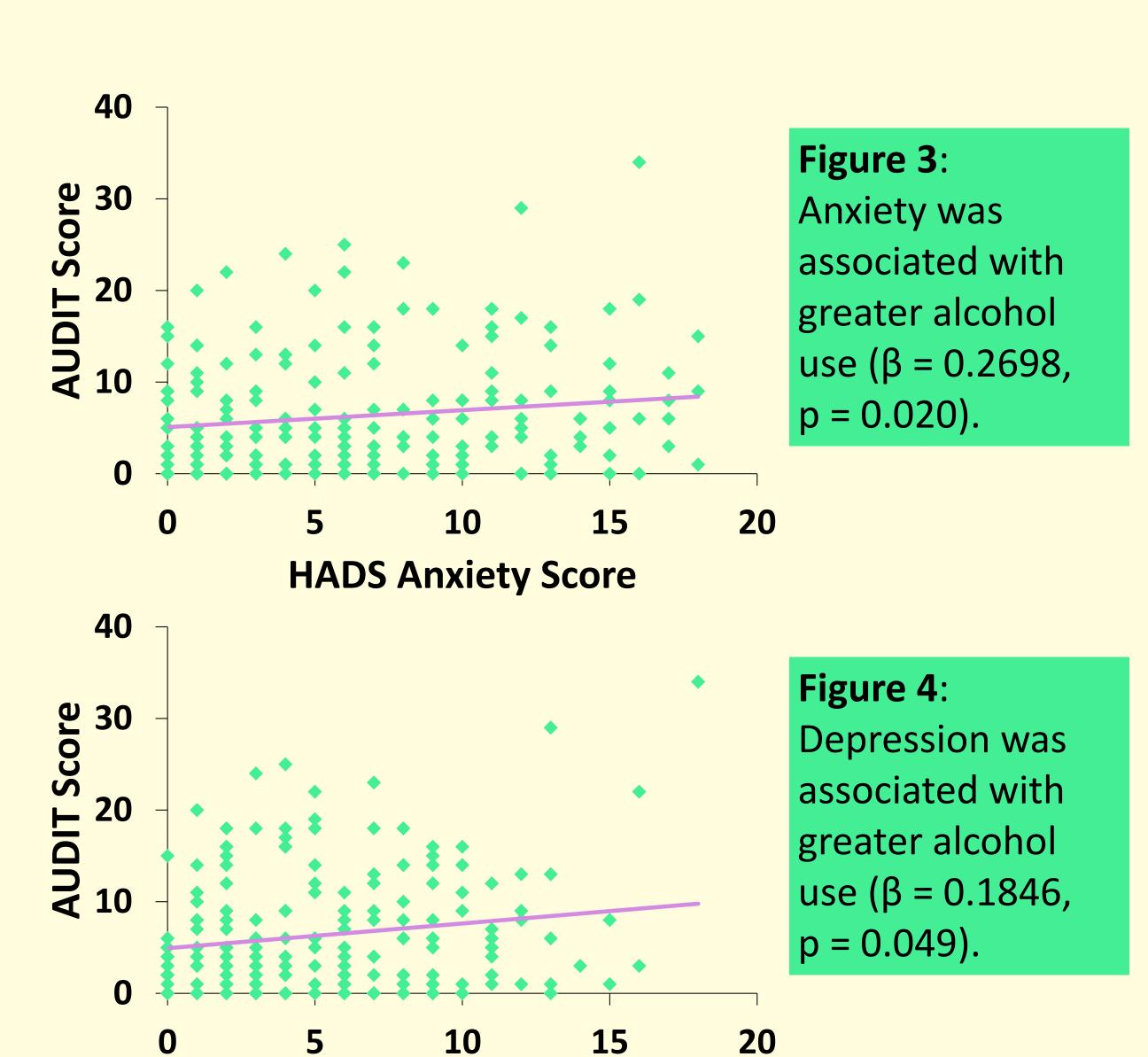
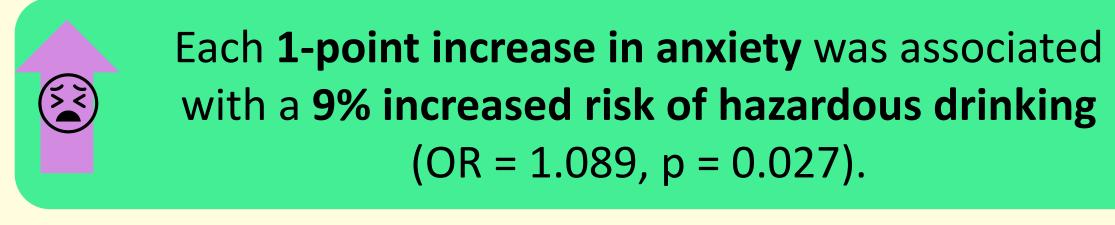


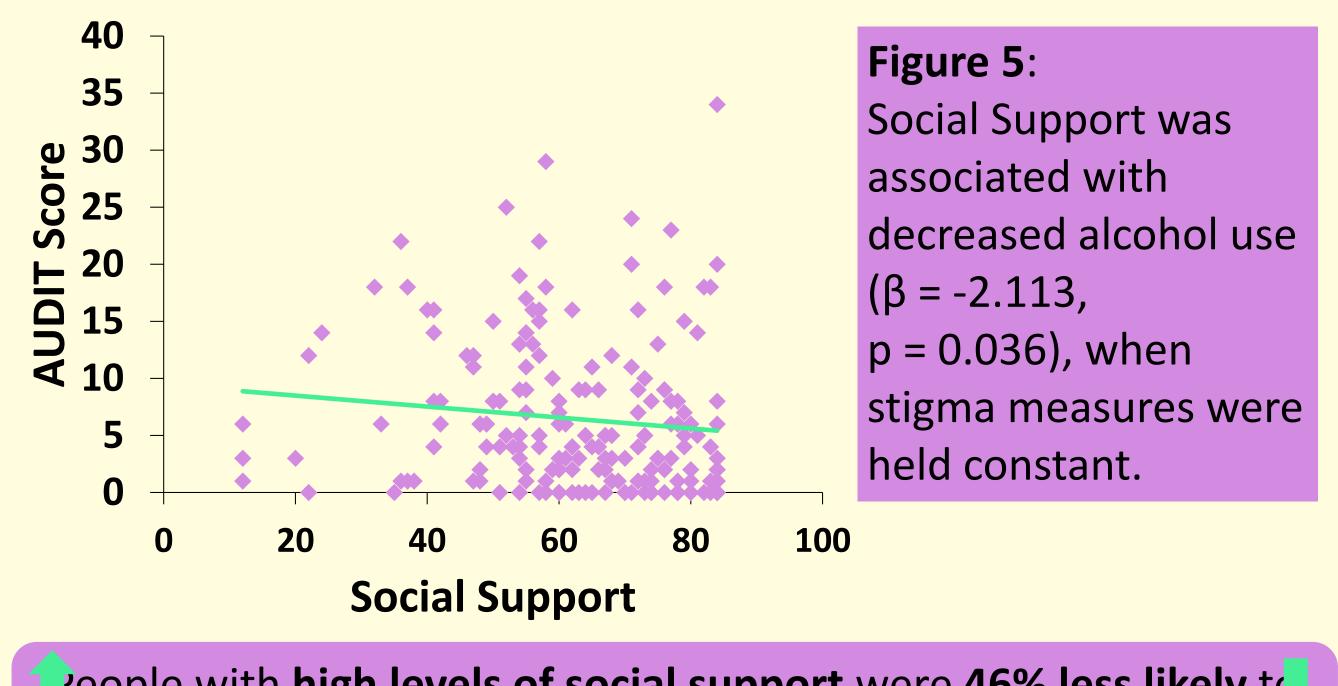
Figure 2: Correlations Matrix. Interpersonal stressors, negative emotional responses, and social support. Correlation coefficients given.

* = $p \le 0.05$; ** = $p \le 0.01$; *** = $p \le 0.001$; **** = $p \le 0.0001$





HADS Depression Score



eople with **high levels of social support** were **46% less likely** to engage in **hazardous drinking** (p = 0.048).

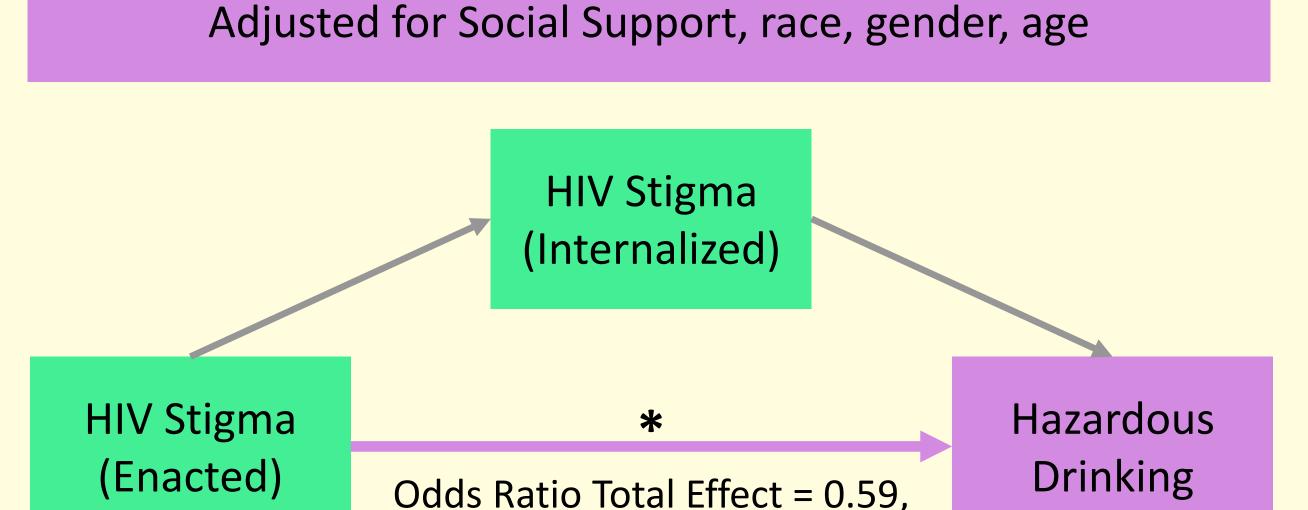


Figure 6: Mediation Model: HIV Stigma and Alcohol Use

Note: This was the opposite direction of the expected effect.

p = 0.04

Discussion

- Anxiety and depression were significantly associated with increased alcohol use.
- Social support showed a protective effect against hazardous alcohol use.
- Contrary to previous research, greater HIV-related stigma was associated with decreased odds of hazardous drinking.
- Findings highlight complex interactions among interpersonal stressors, emotional responses, social support, and alcohol use in PWH.

Conclusion

- Understanding how these factors contribute to alcohol use can inform future interventions and improve alcohol-related outcomes in this patient population.
- Future research directions:
 - Structural equation modeling (SEM) with additional measures of interpersonal stressors and emotional responses (e.g., traumatic events / PTSD)
 - Qualitative studies on lived experiences of stigma, discrimination, anxiety, depression, social support, and motivations for drinking
- Interventions to enhance social support for PWH and reduce community stigma surrounding HIV

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