

The Association between Parental Alcohol Abuse and the Presence and







Introduction

- Individuals in the US with social phobia often experience symptoms that are debilitating to everyday life. With 29.9% experiencing serious impairment, 38.8% experiencing moderate impairment, and 31.3% experiencing mild impairment (National Institute of Mental Health, 2003)
- Alcohol abuse and social phobia are comorbidities. Those with social phobia tend to drink to selfmedicate and reduce symptoms, and those with alcohol abuse issues are more susceptible to developing social phobias (Abrams et al., 2001; Stein et al., 2008; Ronchi & Serretti, 2007).
- A parent with a history of alcohol abuse increases the risk of a child developing a mental or behavioral disorder by the age of 15 (Raitasalo et al., 2018) and can impact the likelihood and severity of a child developing the same alcohol disorder (Kosty et al., 2019).

Research Question

How does parental alcohol abuse affect the presence and severity of social phobia in their children?

Methods

Sample

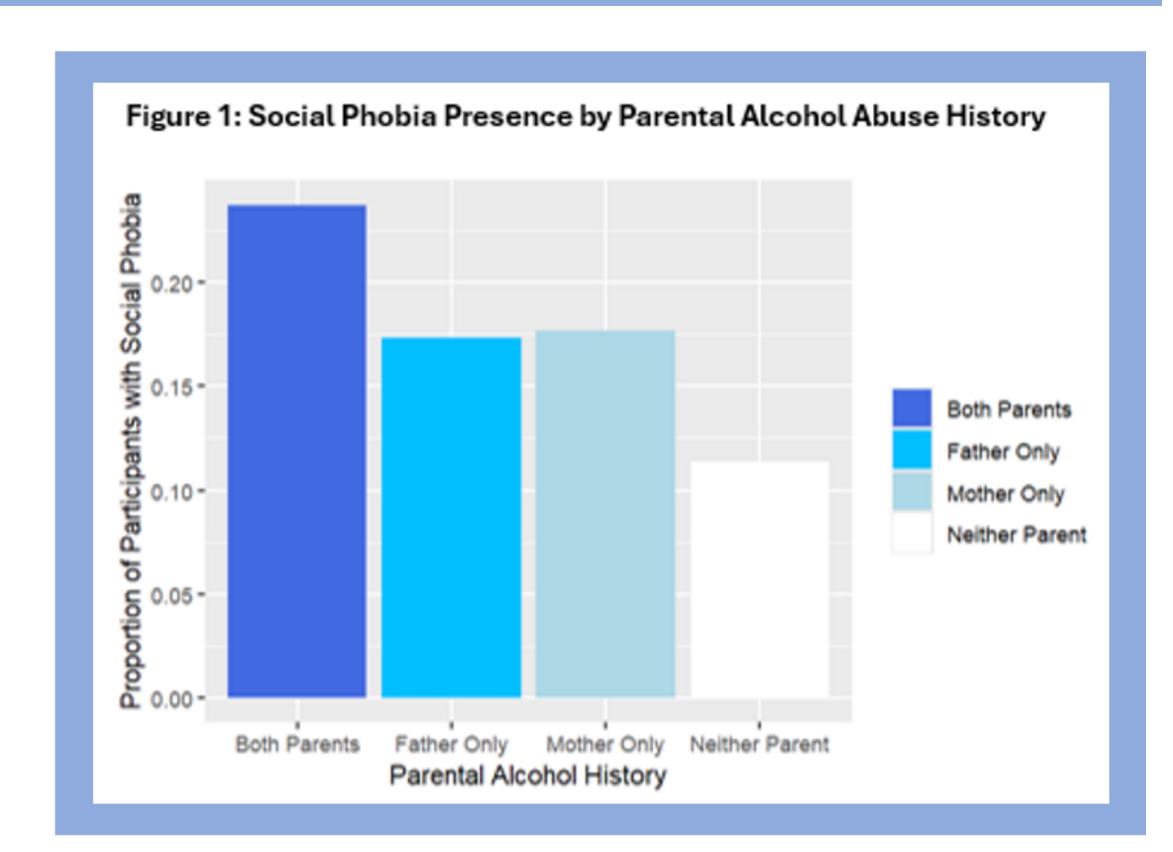
- Respondents (40,374) from the NESARC dataset include: 3.1% with both parents with an alcohol abuse history, 16.8% had a father only, 2.1% had a mother only, and 77.9% had neither parent.
- 57% were female, and 13% presented with social phobia.

Measures

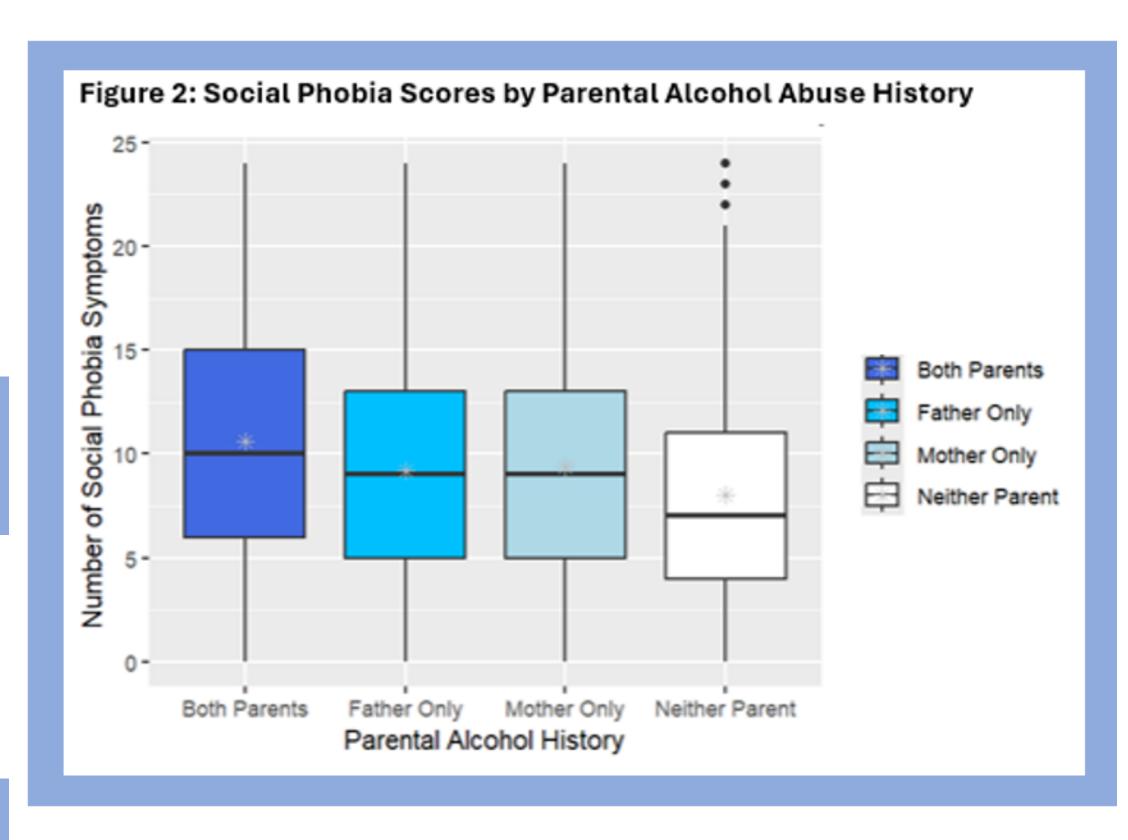
- Parental alcohol history: Based on a binary question about a biological parent being a problem drinker.
- Social phobia presence: Based on 3 binary questions about experiencing social phobia. Respondents must have answered yes to all three questions to be classified as experiencing social phobia.
- Social phobia severity: A score based on a series of 21 questions describing different symptoms of social phobia.

Social Phobia Presence

- The presence of social phobia differed significantly across parental alcohol groups. χ^2 =326.55, 3 df, p<.0001
- Post hoc comparisons of the levels of Parental Alcohol history showed significant differences between all groups except between father-only and mother-only affected groups.



Results

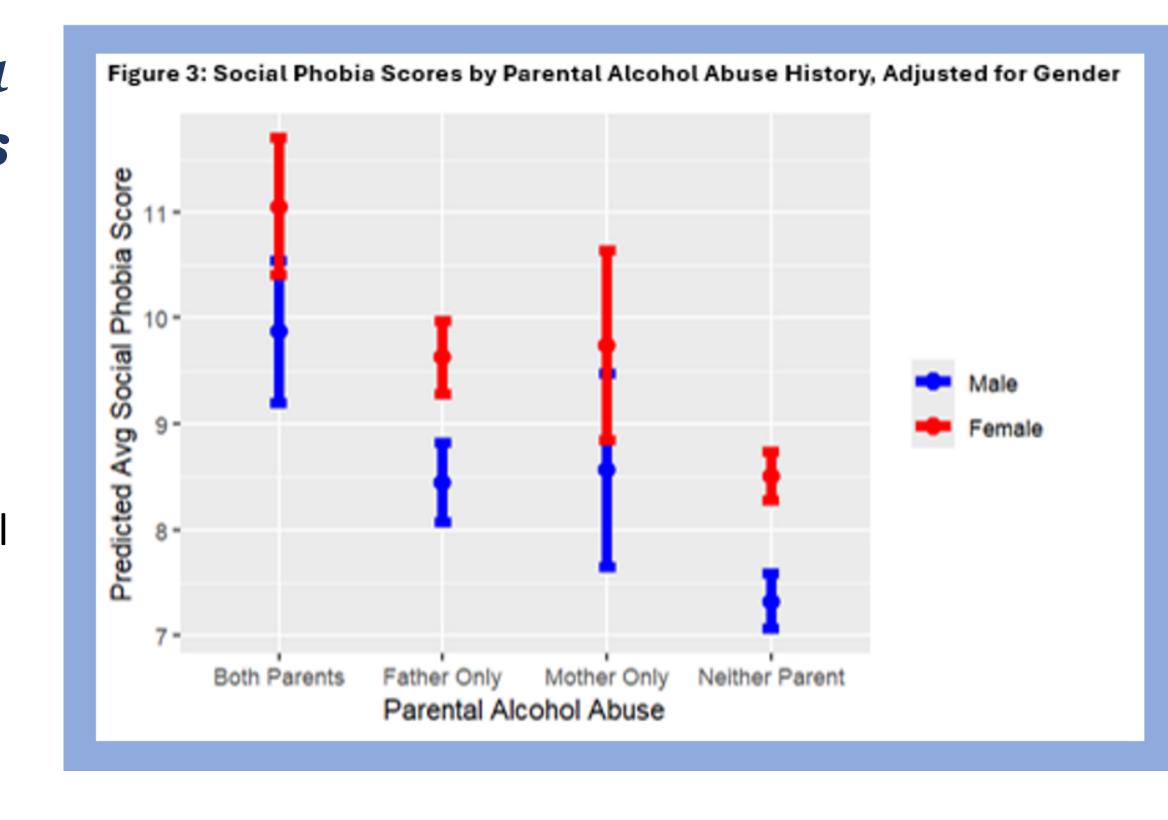


Social Phobia Severity

- Social phobia scores differed significantly by parental alcohol abuse history among those with social phobia, F(3, 4744)=29.75, p<.001.
- Post hoc Tukey comparisons indicated the following:
 - "Both Parents" > "Father Only" p=.0004
 - "Both Parents" > "Neither Parent" p<.0001</p>
 - "Father Only" p<.0001 and "Mother Only"</p> p=.017 > "Neither Parent"
 - No significant difference between "Father Only" and "Mother Only" p=.119

Parental Alcohol Abuse as a Predictor & Gender Impacts

- Parental alcohol abuse history was significantly associated with social phobia scores when controlled for gender.
- Compared to "Both Parents" :
 - "Father Only" scored lower (Beta=-1.42, Cl [-2.14, -0.17], p<.001)
 - "Mother Only" scored lower (Beta=-1.31, CI[-2.40, -0.21], p=0.20)
 - "Neither Parent" scored lowest (Beta = -2.54, Cl [-3.21,-1.88], p<.001)
- Gender was also a significant predictor: males scored lower on social phobia than females (Beta = -1.18, CI[-1.50, -0.87], p<.001).



Discussion

- Parental alcohol abuse is significantly associated with a higher presence and greater severity of social phobia symptoms in their children.
- There is an increased risk when both parents have alcohol abuse histories compared to one parent or no parent with an alcohol abuse history.
- Parental effects are consistent across genders; however, the increased presence and severity in females show additional risk factors for females
- Implications: Screening children of parents with alcohol abuse and providing early intervention may reduce social phobia severity and long-term impairment.