Sedative usage for anxiety has increased. The study examined the relationship between sedative use and generalized anxiety disorder symptoms. Four groups were used to study this relationship – current medical users, past medical users, non-medical users, and non-users. Results showed increased anxiety in medical users compared to other groups.

## INTRODUCTION

- Almost one-third of the adult U.S. population experiences an anxiety disorder during their life (National Institute of Mental Health, n.d.).
- Pharmacological treatment options (e.g., benzodiazepines and other sedatives) are often used to treat anxiety (Ravindran et al., 2010; Slee et al., 2019).
- The effectiveness of prescription sedatives has led to a rise in medical and non-medical use although research suggests that sedative use was lower amongst prescribed (medical) users than non-medical users (McCabe & West, 2014; Weaver, 2015).
- Another study indicated that prolonged prescription sedative abuse correlated with generalized anxiety disorder in medical users (Sareen et al., 2004).
- However, no studies examined the relationship between sedative use and generalized anxiety disorder symptoms in different groups of prescription sedative users.
- We helped fill this gap by comparing generalized anxiety symptoms in current medical users, past medical users, non-medical users, and non-users.

## RESULTS

- ANOVA was conducted with sedative user group as IV and levels of generalized anxiety disorder symptoms as DV.
- There was a significant main effect, $F(3, 382) = 3.76, p < .01$, partial $\eta^2 = .03$.
- Current medical users reported significantly more generalized anxiety ($M = 8.57, SD = 6.30$) than past medical users ($M = 6.51, SD = 5.86$), $p = .023$, non-medical users ($M = 6.41, SD = 5.68$), $p = .04$, and non-users ($M = 5.52, SD = 5.53$), $p = .001$.
- Non-medical users did not significantly differ in generalized anxiety symptoms from non-users, $p = .32$.

**Main Effect of Sedative User Group on Anxiety**

## DISCUSSION

- Contrary to our expectations, current medical users reported higher anxiety than past medical users, non-medical users, and non-users.
- Possible reasons for increased anxiety include heightened anxiety levels prior to use, inconsistent use of sedatives, or ineffectiveness of treatment.
- The comparable anxiety levels between non-medical users and non-users suggest that non-medical users are not using sedatives to self-medicate, thereby strengthening the argument that non-medical users are using sedatives for recreational purposes.

## REFERENCES