COVID-19 Related Financial Hardship Is Associated with Depression and Anxiety in Substance Use Treatment Across Gender and Racial Groups





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Introduction



Populations with substance use disorders faced challenges 1-2 in the COVID-19 pandemic because:



They often struggled with depression and anxiety alongside drug use



Access to care became difficult due to shortage in providers or changes in format

Moreover, there were several common COVID-19 related negative events that may lead to poor mental health ³, such as:





Financial hardship



Unemployment in the household

Healthcare disparity may even worsen the mental health struggle among marginalized groups, such as Black/African Americans and women.⁴⁻⁵ However, limited empirical research address this question.

What is the relationship between COVID-19 related negative events and depression and anxiety symptoms in people with substance use disorders? Would racial and gender identity impact symptoms as well? Would those factors interact?

Materials and Method

Respondents (N=3493) were drawn from a larger dataset of individuals who entered substance use treatment in the United States in March-October of 2020, the beginning of the COVID-19 pandemic.

Since we had ordinal outcome variables (i.e., the severity of depression/anxiety symptoms based on established cutoffs),⁶⁻⁷ we conducted a series of ordinal logistic regressions to explore the association.

Race (Black/African American)

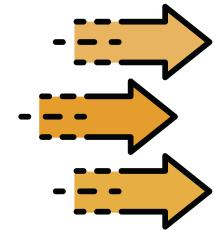
Gender (Female)

COVID-19 negative outcomes









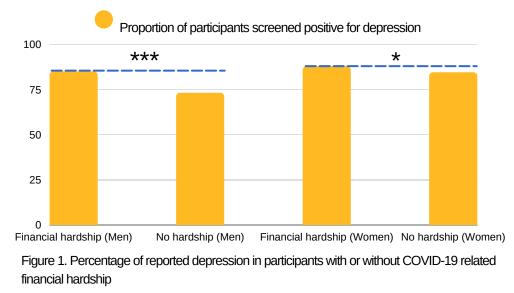
Depression Anxiety

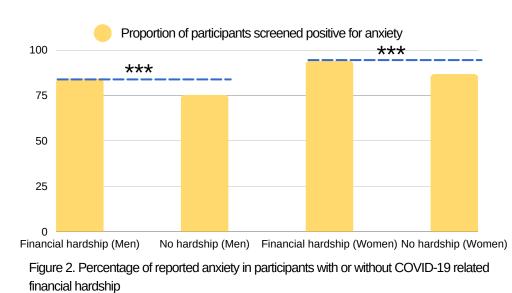
1ke, K., Spitzer, R. L., & Williams, J. B. (2001). The PHQ-9: validity of a brief depression severity measure. Journal of general internal medicine, 16(9), 606-61

Sample size=3493

We explored the main effects and also examined interactions between female gender or Black/African American race and each COVID-19 related outcome on depression and anxiety symptoms.

Results





- Female gender was associated with more depressive symptoms (Bs > .60, ps < .001) and anxiety symptoms (Bs > .59, ps < .001) in each regression.
- Individuals who experienced financial hardship due to COVID-19 endorsed greater depressive symptoms (B = 0.66, p< .001) and anxiety symptoms (B = 0.65, p < .001).
- Individuals who experienced a COVID-19 related job loss in their household reported greater depressive symptoms (B = 0.27, p < .025) and anxiety symptoms (B = 0.31, p = .013).
- Individuals who reported that a friend or family member had COVID-19 did not differ with regard to depression or anxiety symptoms (p = .079).
- Interactions were nonsignificant (ps > .234).

Conclusion and Take-aways



Financial hardship and unemployment as a result of COVID-19 were associated with more severe depression and anxiety among people in substance use treatment.



Females reported more severe depressive and anxiety symptoms and a higher rate of having a friend/family member who had COVID-19 compared to their male counterparts.



Black/African American individuals reported less severe anxiety symptoms but a higher rate of having a friend/family member who had COVID-19 compared to other racial groups.

We need policies and interventions that address, prevent, and intervene in financial hardship and unemployment as a part of the mental health treatment plan. Also, treatments should be tailored to the unique challenges that minoritized groups are facing.