The role of depression in posting about suicide

on social media: A case control study

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Introduction

- Suicide is a leading cause of death for young adults
- Depression is a known risk factor for suicide
- It remains unknown how depression is related to posting about suicide or suicidal ideation (S/SI) on social media

The purpose of this case control study was to test the association between depression symptoms ranging from moderate to severe and posting about S/SI on social media.

Methods

This study was approved by the UW-Madison IRB.

Participants

Young adults aged 18–25 years who had consumed alcohol in the past 30 days and had at least one account they used monthly on Instagram, Facebook, and/or Twitter were recruited via Qualtrics panels.

Measures

Depression was assessed in an online survey using the Patient Health Questionnaire-8 (PHQ-8)

PHQ Score Range	Depression Classification
0-4	None to minimal
5-9	Mild
10-14	Moderate
15–19	Moderately severe
20-24	Severe

S/SI references were identified during content analysis of participants' Instagram, Facebook, and Twitter accounts over six months

Case control design

Cases were defined as young adults who posted at least one S/SI reference on social media. Each case was randomly matched to two controls based on age.

Analysis

A t-test compared mean PHQ-8 scores between cases and controls. A logistic regression in STATA tested the association between moderate to severe depression symptoms and posting about S/SI.



Results

16 cases and 32 controls were included in the study.

Cases had a mean age of 23.19 (SD = 2.14 years).

Cases were 68.75% white and 68.75% female.

Participant

day gift I just wouldn't wake up this morning, but fuck. Here I am. When you have no interest in being alive but you don't want to hurt your family and friends so instead of killing yourself you just suffer through your existence hoping to be hit by a truck



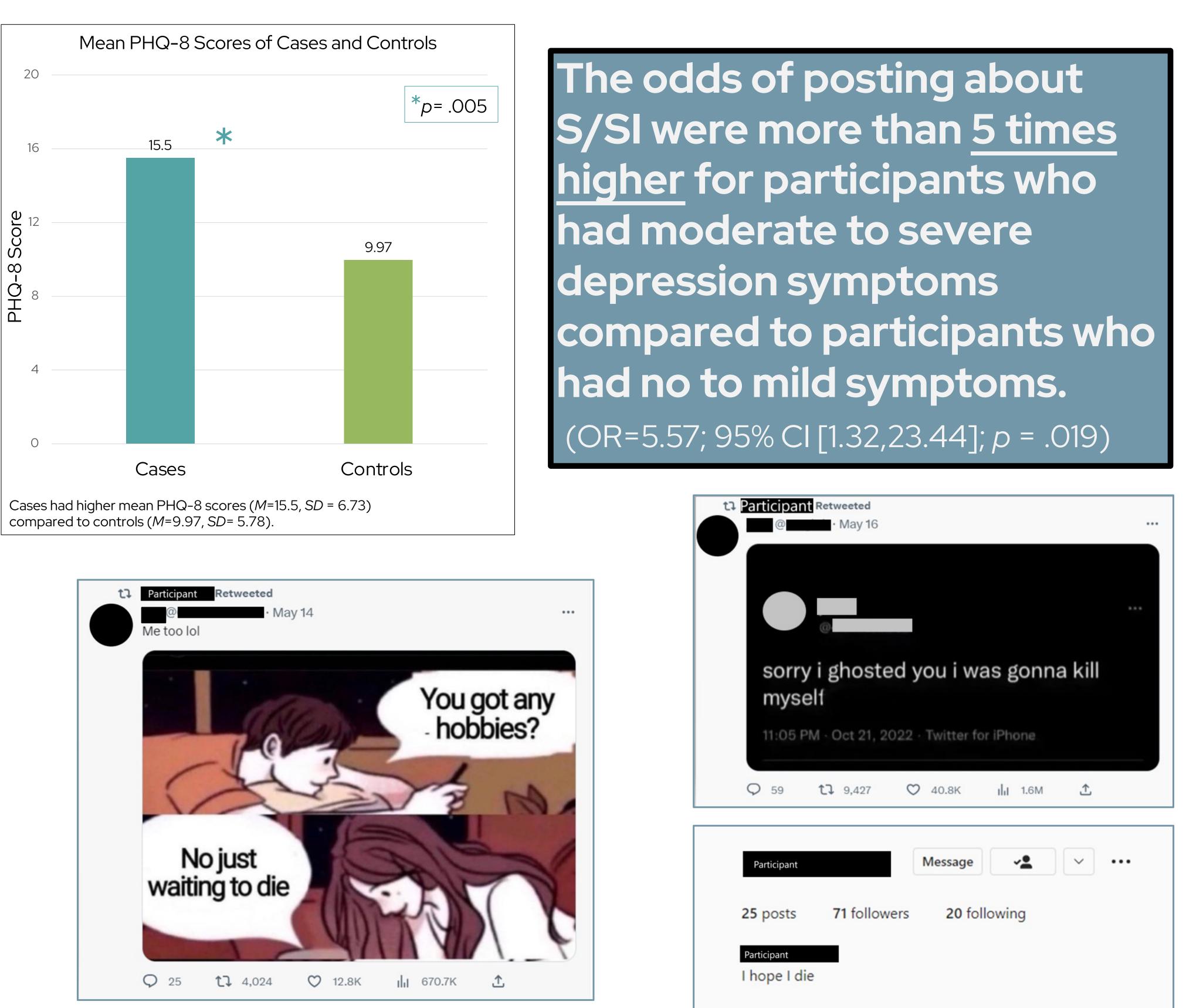
Conclusions

- depression

Acknowledgements

Thank you to Maggie Cooper for her help with poster design. This project was supported by grant R21AAO29144 from the National Institute on Alcohol Abuse and Alcoholism. Conference travel funding was provided by the Holtz Center for Science and Technology Studies.







• Findings suggest that S/SI references in young adults' social media posts are strongly tied to their offline experiences with

Given that access to therapeutic psychological services varies among young adults, recognizing S/SI posts on social media may be useful for identifying individuals who might benefit from mental health outreach and intervention

Future research should examine whether different types of S/SI references on social media, such as user-written text or shared memes, vary in their associations with depression to determine which post types should be cause for concern

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