

COMMUNITY MEDICINE

Background

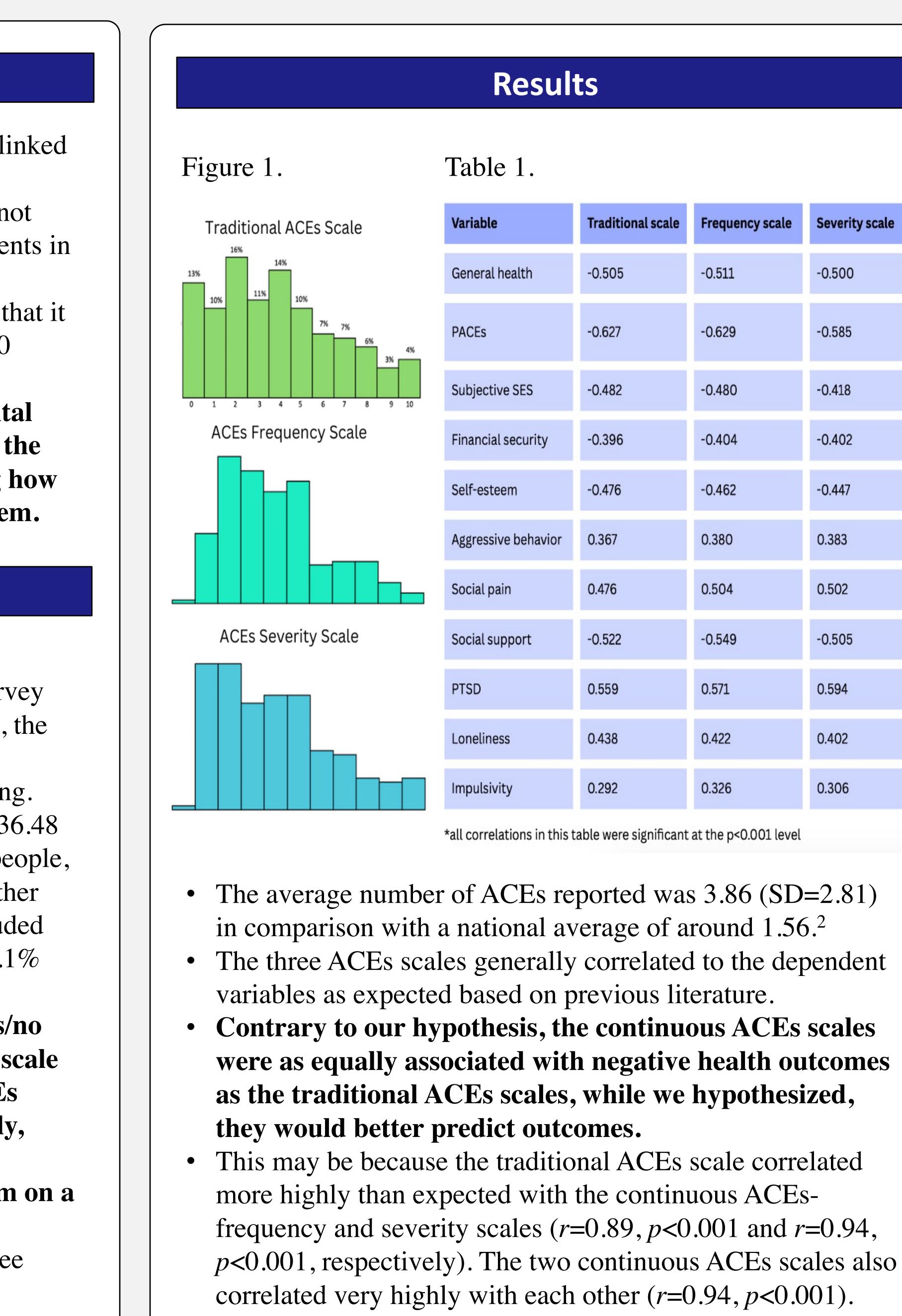
- Adverse childhood experiences (ACEs) are linked to health and wellbeing in adulthood.¹
- The traditional ACEs scale asks whether or not people experienced 10 specific traumatic events in their childhood in a yes/no format.
- A limitation of the traditional ACEs scale is that it does not capture how severe each of these 10 experiences were on a continuous scale.
- The present study created two supplemental ACEs scales, one measuring frequency of the traumatic event, and the other measuring how severely people felt the event impacted them.

Methods

- A 150-question survey was distributed from January 26th to January 31st of 2023. The survey was emailed to all of OU-Tulsa. In addition, the survey was posted on various social media platforms and shared using snowball sampling.
- 212 people participated. The mean age was 36.48 (SD=13.86). Gender included 17.5% male people, 75.5% female people, and 7.1% people of other gender identities. Racial demographics included 20.6% POC. Sexual orientation included 33.1% LGBTQ+ people.
- First, participants took the traditional yes/no ACEs scale. Next, they took a continuous scale asking how frequently each of the 10 ACEs occurred on a Likert scale of 1 to 7. Finally, they took a continuous scale asking how severely each of the 10 ACEs affected them on a Likert scale of 1 to 9.
- Dependent variables correlating with the three scales are demonstrated in Table 1.

Comparing Health Outcomes of Traditional and Continuous ACEs Scales

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raditional scale	Frequency scale	Severity scale
0.505	-0.511	-0.500
0.627	-0.629	-0.585
0.482	-0.480	-0.418
0.396	-0.404	-0.402
0.476	-0.462	-0.447
.367	0.380	0.383
.476	0.504	0.502
0.522	-0.549	-0.505
.559	0.571	0.594
.438	0.422	0.402
.292	0.326	0.306
were significant at the n (0.001 lovel		

*all correlations in this table were significant at the p<0.001 level

- lacksquare
- our sample being nearly 4.
- average levels of ACEs.
- convenience sample.
- *medicine*, 14(4), 245-258.

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Conclusion

Our results suggest an unexpected level of similarity between these ACEs scales and their relationship to physical, social, and mental health. This may suggest that a larger, more severe event has a similar impact on health outcomes as multiple events that are smaller in perceived severity. However, more research is needed to examine this possible interpretation.

Notably, our sample contained people extremely at risk for negative outcomes as compared to the national average, with the average ACEs score in

It is crucial to see if our findings replicate across other samples, especially samples with more

• We will be conducting a replication study with a nationally representative sample this summer to see if findings from this study extend beyond our

References

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2. Giano Z, Wheeler DL, Hubach RD. The frequencies and disparities of adverse childhood experiences in the U.S. BMC *Public Health*. 2020;20(1):1327. Published 2020 Sep 10. doi:10.1186/s12889-020-09411-z.

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