

Impact of Adverse Childhood Experiences (ACES) and 👝 UNIVERSITY Family Resilience on Sleep Duration in Children with Autism Spectrum Disorder (ASD)





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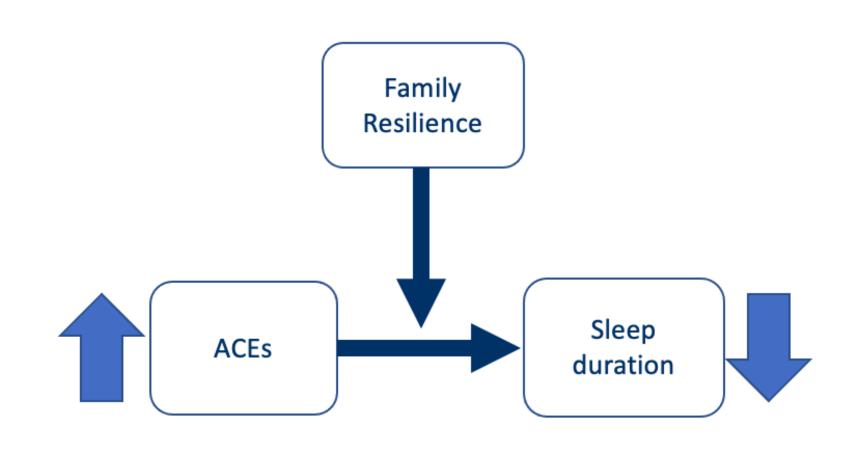
Introduction

- Preliminary evidence suggests a relationship between ACEs and sleep duration in children with ASD (Sadikova & Mazurek, In Press)
- In the general population, family resilience has been shown to "buffer" against the impacts of ACEs on negative outcomes, including sleep problems (Heerman et al., 2022; Uddin et al., 2020)

Objectives

Research Question: Does family resilience moderate the relationship between ACEs and sleep duration in children with ASD?

Figure 1: Visual representation of the research question.



Method

Participants

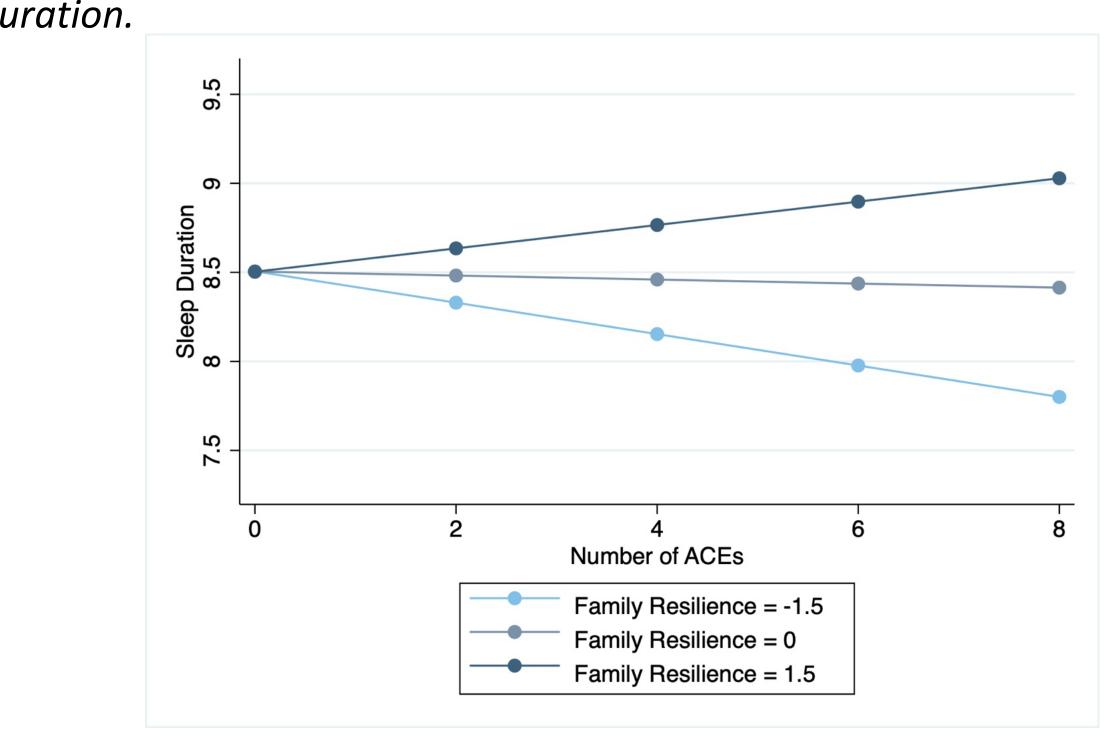
- 2016-2019 National Surveys of Children's Health (NSCH). Children with parent-reported ASD included in analyses. n = 2,882 (age 6-17)
- Variables (all parent report from NSCH)
- Number of adverse childhood experiences
- Sleep duration in hours
- Family resilience (combined factor score from four separate questions: how often the family talks about problems, work together, know they have strengths, stay hopeful)
- Covariates: Race, age, sex, ASD severity, anxiety, overall health, neighborhood and school safety Statistical Analyses
- Multiple regression. DV: Sleep duration.

Results

- Controlling for all model covariates, the number of ACEs was statistically related to sleep duration ($\beta = -$.066, p = .002), but family resilience was not (β = .054, p = .42).
- The interaction between number of ACEs and family resilience was statistically significant ($\beta = .041$, p = .04).
- Age, race, overall health, and autism severity were also associated with sleep duration

Results





Conclusions

- ACEs were associated with less sleep in ASD
- Family resilience moderated the relationship between ACEs and sleep
- It is important for clinicians to understand the role of family resilience in mitigating the negative effects of ACEs and to track sleep problems in children with ASD

References

Acknowledgements

The Blue Ridge Leadership Education in Neurodevelopmental Disabilities (Blue Ridge LEND) and this project is supported by the Health Resources and Services Administration (HRSA) of the U.S. Department of Health and Human Services (HHS) as part of an award totaling \$2,242,875. The contents are those of the author(s) and do not necessarily represent the official views of, nor an endorsement, by HRSA, HHS, or the U.S. Government. For more information, please visit HRSA.gov.