



Can Parent Reports Predict Youth Suicidal Ideation?

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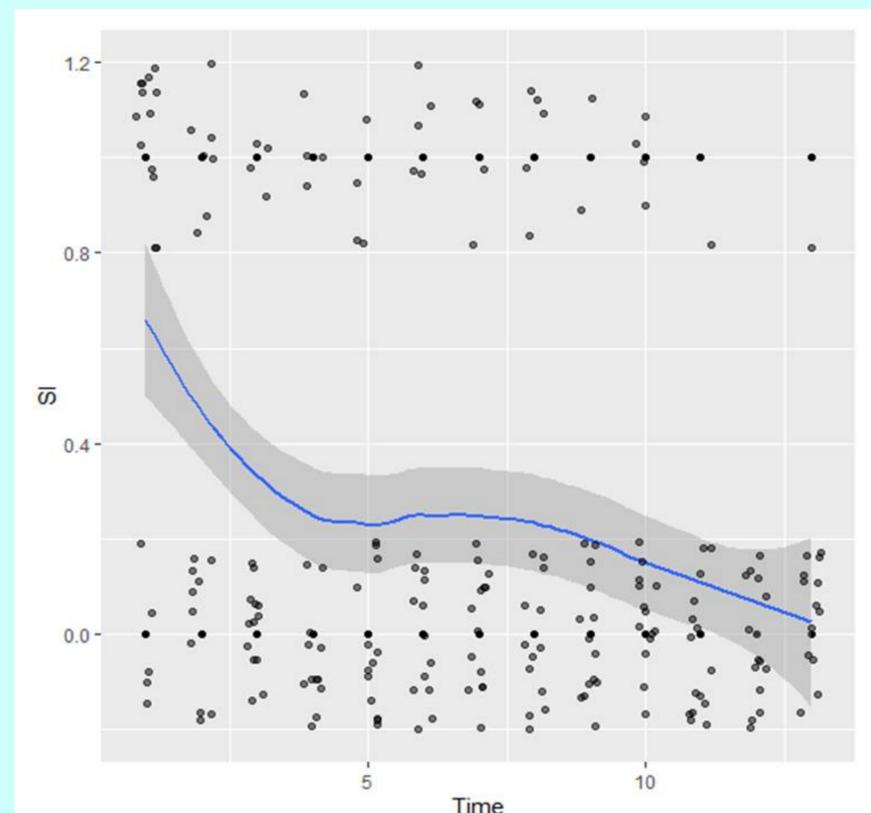
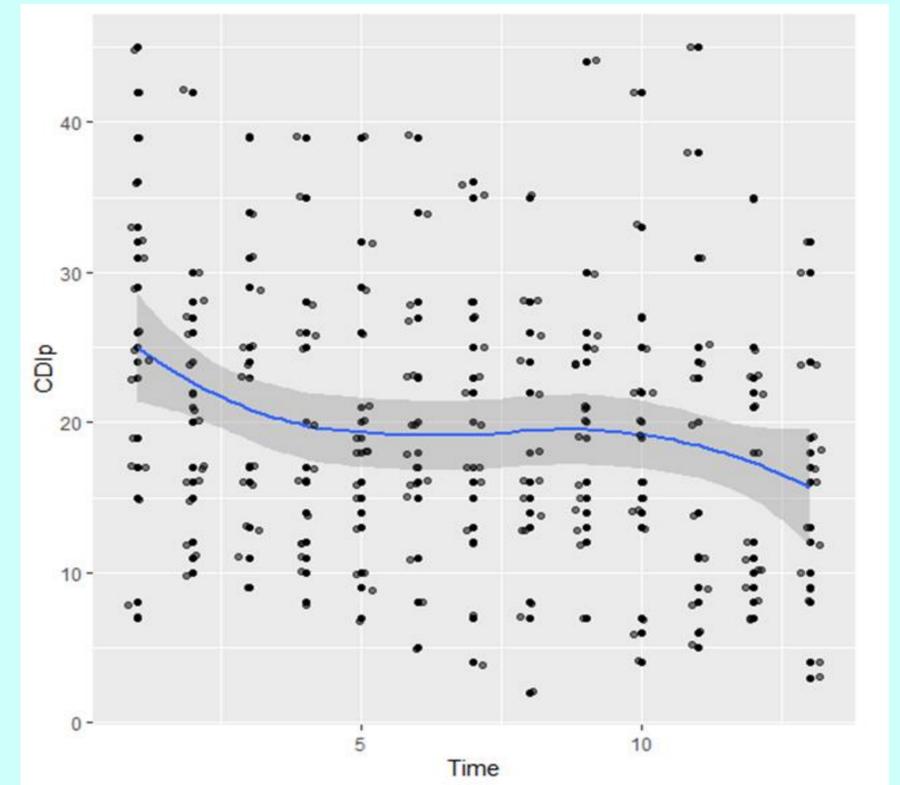
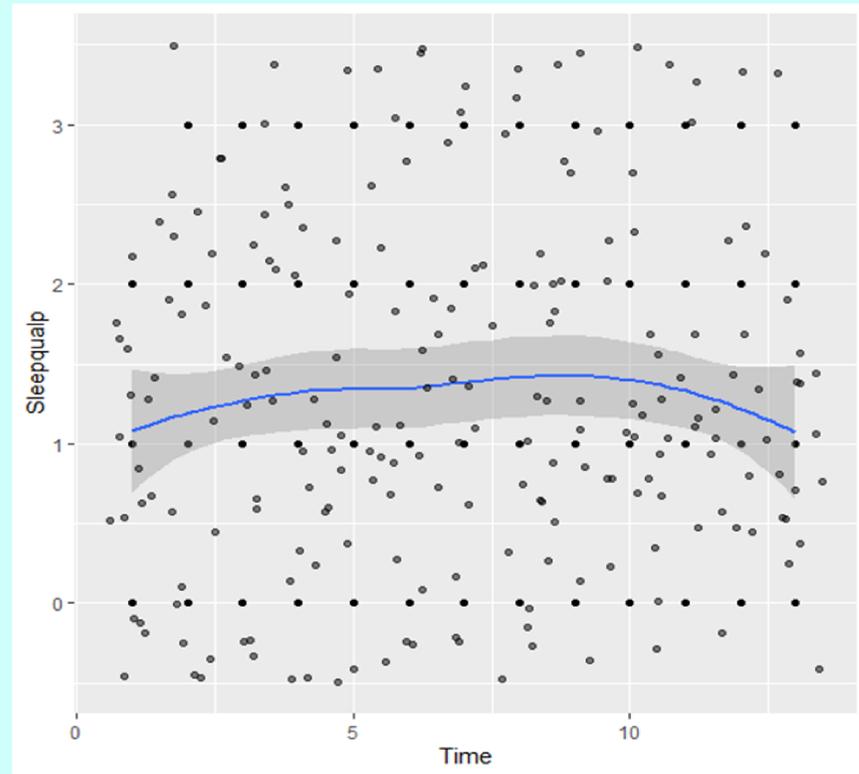
Introduction

Suicidality in adolescents has been increasing as self-reported/perceived sleep quality has been decreasing in recent years. Some studies have shown that adolescents who experience sleep problems show a significant increased likelihood of suicidal ideation compared to those who did not experience sleep problems and vice versa that participants with poor self-perceived sleep quality were more likely to report depressive symptoms and suicide ideation (Franić et al., 2013) (Lee et al., 2020) (Xiao et al., 2019). Interestingly more often than not, parent-reported suicidality had little to no significant correlation (Klaus et al., 2009) (Prinstein et al., 2008). The aim of this research was to investigate whether weekly parent reports of youth depression and sleep problems could predict youth suicidal ideation.

Methods

The original study was conducted on 18 adolescent participants ranging in age from 10 to 17 and who all experienced internalizing disorders and suicide-related cognition. The participants completed a baseline assessment and 12 treatment sessions (for a total of 13 time points per participant). The data was input into IBM SPSS Statistics software for basic analysis and R code was also used to visualize and investigate possible correlations between variables. Four models were examined (parent-reported youth sleep quality over time, the lagged version of parent-reported sleep quality over time not using the baseline data point, parent-reported youth depression, and the lagged version of parent-reported youth depression not using the baseline data point). The outcome was a binary suicidal ideation variable and random effects for the intercept were included.

Results



Conclusions

As the results were not significant, the results do not support a correlation between parent-reported youth depression and sleep quality, and youth suicidal ideation. Parent-reported youth depression decreased over time during the treatment. These outcomes and lack of relationship can be applied to future studies and treatment/preventative measures of youth suicidality in recognizing how parent-reported symptoms may not be as useful as one may hope. These findings add to the literature on the limited predictive validity of parent reports of symptoms on youth suicide-related outcomes.

References

Franić, T., Kardum, G., Knez, R., Marčinko, D., & Kralj, Ž. (2013, February 28). *Suicidal ideations and sleep-related problems in early adolescence*. Early intervention in psychiatry. Retrieved November 12, 2022, from <https://pubmed.ncbi.nlm.nih.gov/23445244/>

Klaus, N. M., Mobilio, A., & King, C. A. (2009, March). *Parent-adolescent agreement concerning adolescents' suicidal thoughts and behaviors*. Journal of clinical child and adolescent psychology : the official journal for the Society of Clinical Child and Adolescent Psychology, American Psychological Association, Division 53. Retrieved February 8, 2023, from <https://pubmed.ncbi.nlm.nih.gov/19283602/>

Lee, H., Kim, Y., Jeon, Y.-H., Kim, S. H., & Park, E. (2020, June 17). *PDF Association of Weekend Catch-up sleep ratio and subjective sleep quality with depressive symptoms and suicidal ideation among Korean adolescents*. Semantic scholar. undefined. Retrieved November 12, 2022, from <https://www.semanticscholar.org/paper/Association-of-weekend-catch-up-sleep-ratio-and-and-Lee-Kim/80184c21f21d6aa8486a226d315751fa400e1ef>

Prinstein, M. J., Nock, M. K., Simon, V., Atkins, J. W., Cheah, C. S. L., & Spirito, A. (2008). *Longitudinal Trajectories and Predictors of Adolescent Suicidal Ideation and Attempts Following Inpatient Hospitalization*. American Psychological Association. Retrieved February 8, 2023, from <https://psycnet.apa.org/fulltext/2008-09950-012.html>

Xiao, L., Zhang, S., Li, W., Wu, R., Wang, W., Wang, T., Guo, L., & Lu, C. (2019, December 6). *The mediating effect of sleep quality on the relationship between emotional and behavioral problems and suicidal ideation*. International journal of environmental research and public health. Retrieved November 12, 2022, from <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6949910/>