

Promoting Healthy Sleep Among Low-income Children Presenting to Urban Primary Care

Statement of Problem

Insomnia (difficulty falling/staying asleep) and insufficient sleep during early childhood have been shown to negatively impact child development. For example, sleep problems can lead to inattention and poor social-emotional skills, which can make it harder for children to be ready for school. With insomnia and poor sleep impacting 20-30 percent of young children, the National Academy of Medicine has referred to poor sleep as a critical public health concern for the last decade.

Although there is a robust evidence base for the benefits of sleep intervention in early childhood, few studies have examined the efficacy of such treatments among low-income groups. Research shows that children exposed to socio-demographic risk factors are [more likely](#) to show sleep difficulties and often face substantial barriers to accessing and engaging in care. Pediatric primary care is an ideal setting to deliver interventions given how accessible it is to families and the expansion of behavioral health services into primary care. Intervention in primary care may be especially feasible during early childhood, when there are many well-child visits. Unfortunately, there is little research on sleep intervention programs in this context.

Description

This project seeks to address the salient gaps in knowledge related to the lack of tested, evidence-based behavioral sleep treatments delivered to low-income families in pediatric primary care. This research will adapt and re-package evidence-based behavioral sleep education and intervention strategies, with a focus on developing scalable interventions that we can disseminate to primary care and other community contexts.

First, we will conduct interviews with patients (caregivers of preschoolers with sleep problems) and primary care providers to identify attitudes, beliefs and behaviors that are critical for adapting and implementing a sleep intervention for low-socioeconomic preschoolers in primary care. Based on what we learn, we will adapt and implement behavioral sleep intervention strategies and obtain feedback from an advisory board consisting of Children's Hospital of Philadelphia family partners, primary care providers and sleep intervention experts. Our final step will be to measure the efficacy of the adapted intervention in a pilot randomized trial with families referred to either the adapted sleep intervention in primary care or a waitlist control group.

Next Steps

Investing in sleep health is crucial for child development and a critical movement toward equitable health. As nearly one-third of low-socioeconomic children do not get adequate sleep, there is an urgent need for accessible solutions to help families. This project will also support research on the adaption, implementation and evaluation of brief behavioral interventions in primary care so we can better understand how to use the primary care setting to support improved sleep health.

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PolicyLab Leads



[Ariel A. Williamson](#)
PhD, DBSM

Team



[Alexander Fiks](#)
MD, MSCE



[Brizhay Davis](#)

Jodi A. Mindell, PhD

Thomas J. Power, PhD, ABPP

Rinad Beidas, PhD

Frances Barg, PhD

Katharine Rendle, PhD

Justine Shults, PhD

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Project Contact

Ariel Williamson

williamsoa@chop.edu

Related Tools & Publications

- [What Sleep Health Means for Kids in 200 Words](#)
[Blog Post](#)
Mar 15, 2021
- [Benefits of a Bedtime Routine in Young Children: Sleep, Development and Beyond](#)
[Article](#)
Aug 2018
- [Sleep Well!: A Pilot Study of an Education Campaign to Improve Sleep of Socioeconomically Disadvantaged Children.](#)
[Article](#)
Dec 2016
- [Behavioral Health: A Snapshot of a PolicyLab Research Portfolio](#)
[Tools and Memos](#)
Sep 2019
- [Sleep Problem Trajectories and Cumulative Socio-ecological Risks: Birth to School-age](#)
[Article](#)
Sep 2019
- [Cumulative Socio-demographic Risk Factors and Sleep Outcomes in Early Childhood](#)
[Article](#)
Sep 2019
- [Early Childhood Sleep Intervention in Urban Primary Care: Caregiver and Clinician Perspectives](#)
[Article](#)
May 2020
- [Identifying Modifiable Factors Linking Parenting and Sleep in Racial/Ethnic Minority Children](#)
[Article](#)
May 2020
- [Changes in Sleep Duration and Timing During the Middle-to-High School Transition](#)
[Article](#)
Jun 2020
- [Longitudinal Sleep Problem Trajectories are Associated with Multiple Impairments in Child Well-being](#)
[Article](#)
Jul 2020
- [Socioeconomic Disadvantage and Sleep in Early Childhood: Real-world Data from a Mobile Health Application](#)
[Article](#)
Mar 2021