

## **Associations and Mechanisms**

## Maternal smoking cessation during pregnancy and infant growth trajectories: **Research Assistants:** Priscilla Esadah and Jacob Perkins **Faculty Mentor:** Dr. Xiaozhong Wen Division of Behavioral Medicine, Department of Pediatrics, Jacob School of Medicine and Biomedical Sciences, University at Buffalo

Introduction

Childhood obesity has gradually become a public health concern, and one of the most important risk factors researchers have identified is maternal smoking during pregnancy.

## **Study purposes**:

- To examine the extent to which maternal smoking cessation affects infant growth;
- To explore the mechanisms through two potential mediators (infant appetite and sleep).







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- Did not significantly affect infant appetite at 3 months postpartum.
- Is associated with longer infant night-time sleep duration, but did not significantly affect day-time sleep duration.

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