# HDSC New Insights into Early Language Home Environments of Infants in Low Income Households NYU



## Overview

- Early language experiences are foundational to school readiness and subsequent academic success.
- Studies of structured tasks in labs provide limited information about natural early language experiences at home.
- Time diaries coupled with audio recordings provide an unique window into the natural language environments of infants.

### **Research Questions**

- Using time diary data (to be validated with audio recordings),
- Who is present in infants' early language home environment?
- What is the prevalence of playing, reading and watching TV?

### Sample

Data were collected from 30 mother-infant pairs served by a population based NYC home-visiting program.

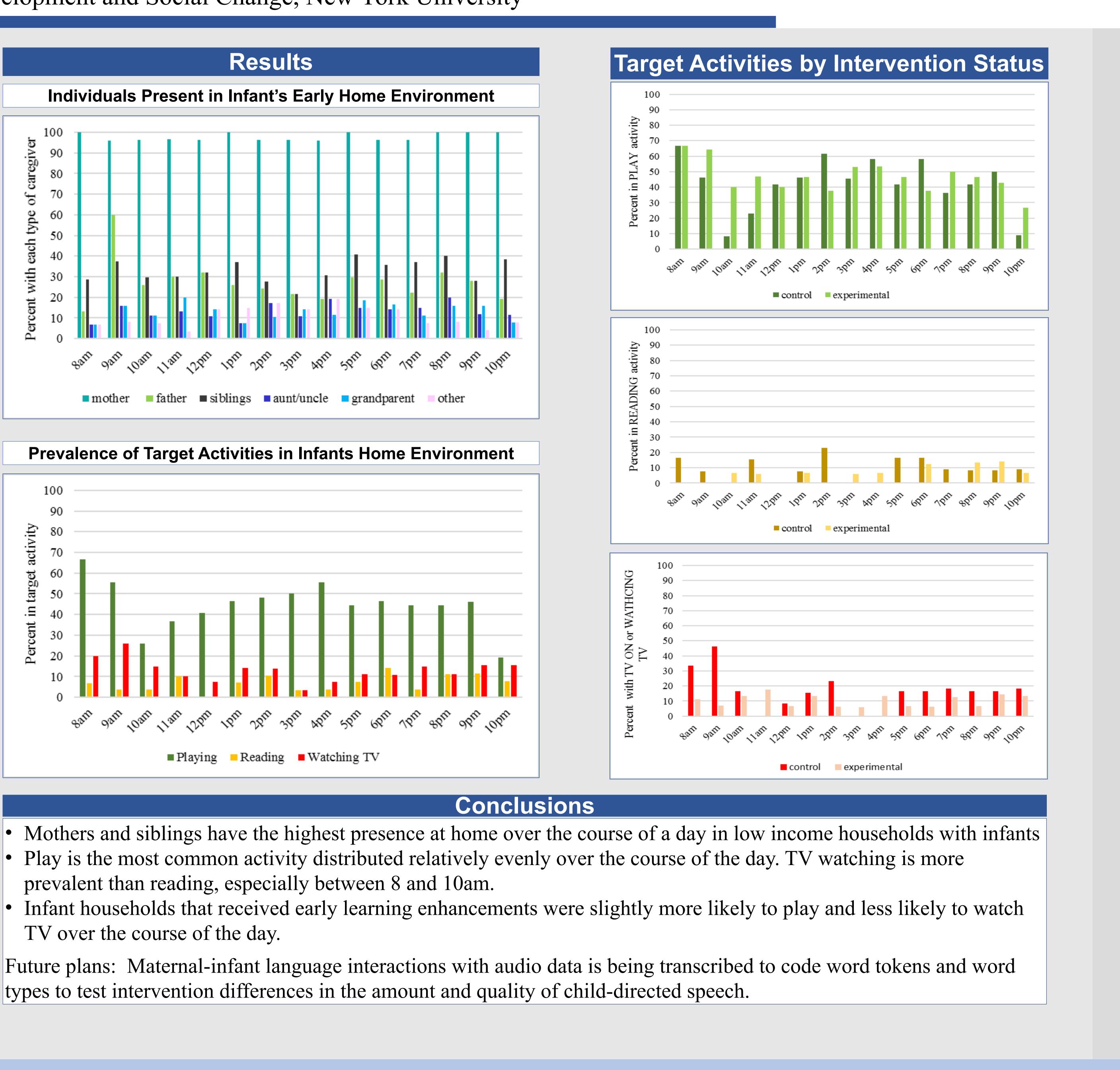
- On average, mothers were 29.8 years old (SD=7.15)
- 90% primarily spoke English
- 37% were first-time mothers
- 43% reported breastfeeding their infant
- 76% reported receiving WIC
- Families were residentially stable; having lived in the same address, on average, for 3.7 years (SD=1.12)

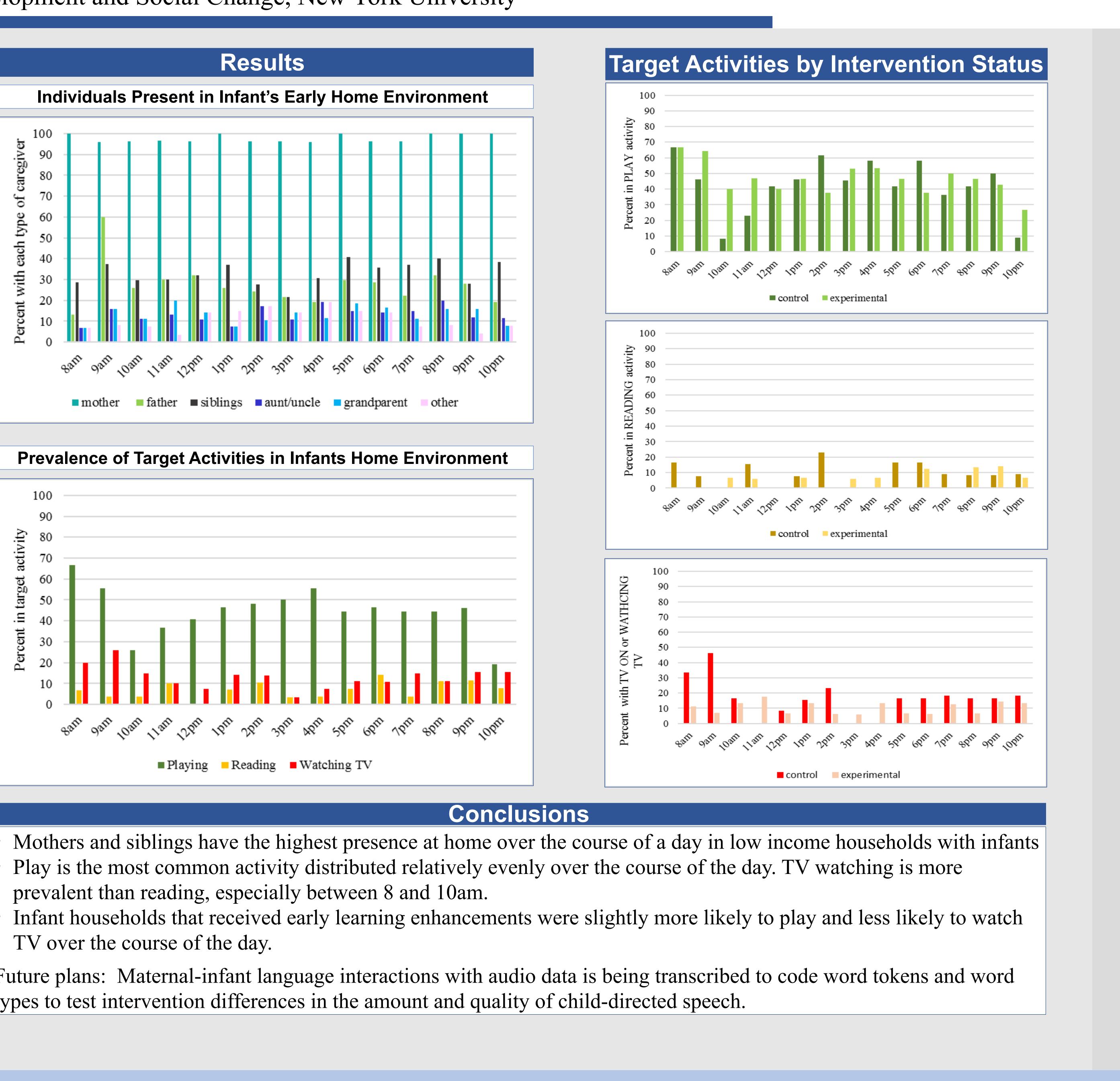
### Methods

- Families participating in a larger study were re-contacted when their child was 3-to 5 months old.
- Consenting families agreed to audio recordings of their infant for a minimum of 10 hours.
- Mothers completed time diaries on the day of the recording and returned them the next day.
- In the intervention group, a random half of the mothers received supplemental content on early language and literacy via text messages, an in-person affirmation coupled with a video demonstrating responsive parent-child interactions, and a book gift package.

We gratefully acknowledge financial support from the Bezos Family Foundation, the Institute for Human Development and Social Change, NYU; and, NICHD R03 HD090280. We are enormously grateful to the Department of Health and Mental Hygiene Newborn Home Visiting Program Harlem Team for their support of this research and recruiting participants for the study; and, the families for their willingness to participate.

Lerzan Coskun, Yana Kuchirko, Lisa A. Gennetian Institute of Human Development and Social Change, New York University





**beELL**": nudging children to a better start

