Starting in fall 2017, we will recruit mothers of infant’s at approximately their 4th-6th birthday to gather audio data from the infant’s home environment. Recruited mothers (*n* ~ 50; half experimental and half control) are participants in the larger beELL-NYC study. LENA recorders are worn by the infant in comfortable custom clothing.

We are evaluating not just the quantity of language surrounding the child but also quality. The audio data will be analyzed via LENA algorithms for that identify speakers and provide outcomes related to adult word count, the number of parent-child conversational turns, and the amount of ambient television/electronics noise. In addition to these auto-generated measures, we will transcribe the longest conversational turn identified by LENA, including the number of different word types, the ratio of words to word types, and the Literate Language subscale of the *Monitoring Indicators of Scholarly Language* scale (*MISL*).

Data from these audio recordings of caregiver-infant interactions will also be synchronized with data collection of parenting self-reported behaviors via text message collected simultaneously with the timing of the audio recording.

What’s our goal? We not only want to triangulate across these low-cost, unobtrusive measurement strategies to inform how city-wide early language campaigns might impact the early language parenting behaviors, such as talking, reading and singing to young children but also advance our knowledge about ways to cost-efficiently measure aspects of infant’s home environments.