



Language Environment Analysis Project (LEAP)

Introduction for Families

Thank you for your interest in the Language Environment Analysis Project (LEAP) at Purdue University! This document includes more information about what to expect during participation in the project, building on information that the study coordinator will relay to you via e-mail or phone. We will also talk you through each step of the study when we speak with you prior to starting your assessment. Of course, you are welcome to decline participation in any study component at any time. We are happy to answer questions before, during, and/or after your assessment.

Eligibility | Participants must be 3-4 years old at the time of their appointment and have a medical diagnosis of Down syndrome, Angelman syndrome, or fragile X syndrome. Interested families may contact the study coordinator to determine eligibility.

Study Overview | Our goal is to learn how the types of vocalizations children make at an early age are related to their language and social communication skills. In particular, we want to learn more about the vocalizations children use in their everyday lives around people they are familiar with. We are also interested in making research accessible by eliminating the need to travel to a laboratory. As such, we provide all the materials you will need to participate, and the assessment materials can be mailed directly to your house.

Study Activities | Study components include:

Web-Based Forms

You will complete a series of online forms about your child's development, family experiences, and your own perspectives and feelings. The forms take about an hour to complete. Families may also be asked to submit medical or developmental records, or fill out a form that enables us to request those records from your child's providers.

Child Vocal Audio Recording

Your child will spend a typical day wearing a vest that records their vocalizations and interactions with others. To protect your privacy, you may request we exclude any recording segments when you return the vest.



Parent Interviews

You will complete two interviews, one about your child's day-to-day skills and another about their social communication skills and play behaviors. The interviews are completed in two 2-hour video chat sessions (4 hours of interviewing total) and may be recorded so we can learn more about your responses.

Reimbursement and Logistics | Families are compensated \$65 – \$10 for completing the web-based forms, \$15 for completing the audio recording, and \$40 for completing the interviews.

Questions? | We would love to answer any questions about the project, via e-mail or phone. Please e-mail our team at nddfamilylab@purdue.edu or call 765-494-3667. We look forward to hearing from you!