

LENA Audio Recording Device

FREQUENTLY ASKED QUESTIONS (FAQ)

What is a LENA?

- A LENA is a small audio recording device that can be placed inside of a vest and worn by a child. It records the sounds of an infants' natural environment for up to 16-hours.
- LENA records and measures the amount of noise, electronic media, and language that the child hears or makes.



Why is the SPAH Kids study collecting this information?

- We are really interested in how children learn and interact in the real world! In our sessions, we only get the chance to observe them interacting with you, but we think it's important to understand how they interact with other adults or children in their day-to-day life.



Why is the LENA optional?

- We understand that home is a private space, and there may be concerns about what the LENA records and what researchers may hear. That is why we offer our participants an option.
- When participants agree to use the LENA at home, we take great precautions to keep their information confidential.
 - The LENA is fully encrypted, which means if it is ever lost, no one would be able to open the recording and hear it.
 - We also save the recording in our secure servers with a study ID number, and will never link your name or personal information to the recording.

We are here to help!

Contact the SPAH Kids Team with any questions at:

(504) 612-2144

spahkids@northwestern.edu

 **NorthShore**
University HealthSystem

Northwestern
SCHOOL OF COMMUNICATION

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If I agree, what do I and my child have to do?

- We will mail you a specially designed shirt that holds the LENA and can be worn over your child's clothing. Your child will wear the shirt and the LENA at home on a scheduled day that both you and the research team agree upon.
 - We will walk you through how to put on the vest and recorder, and how to turn it on and off. The LENA will shut off by itself after 16 hours.
- We will also mail a logbook that you fill out on the day of the recording, so you can give us some additional information about what your child did that day.
 - For additional protection of your privacy and confidentiality, the logbook offers you an option to have us delete the recording after we have processed the LENA.
- We will also provide you with an addressed, stamped envelope to return the LENA to us by mail at no cost to you.
- **This is what you would receive in the mail:**

Buckner EP

On this day, at what time did your child wake up? **At what time did your child go to bed at night?**

• Please fill out the form below as you go about your day with your child.
 • Please make sure to indicate what was going on during each hour of the recording, by putting an "X" in the corresponding column.
 • Select ALL the things that occurred during that timeframe. You can select more than one for each question.
 • Make sure to provide an answer for each question: **Where was child?** **What was the child doing?** **What was the child doing?** **Was TV or video on?** **Who else was in the room?**

| | Where was child? | | What was the child doing? (Check <u>at least one</u> for each time) | | | | | | | Was TV or video on? | | Who else was in the room? | | |
|------------|------------------|------------------|---|---------------------------------|------------------|------------------|---------------|-------------------|---------------|---------------------|-----------------------------|---------------------------|--------------|----------------|
| | Home | Out of the house | Sleeping/ napping? | Looking at a baby book with you | Feeding/ eating? | Playing with you | Taking a bath | Just being a baby | Anything else | Yes, for the baby | Yes, for others in the room | Yes | Other Adults | Other Children |
| 5:00 AM | | | | | | | | | | | | | | |
| 6:00 AM | | | | | | | | | | | | | | |
| 7:00 AM | | | | | | | | | | | | | | |
| 8:00 AM | | | | | | | | | | | | | | |
| 9:00 AM | | | | | | | | | | | | | | |
| 10:00 AM | | | | | | | | | | | | | | |
| 11:00 AM | | | | | | | | | | | | | | |
| 12:00 noon | | | | | | | | | | | | | | |



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