

Equipment

All recordings should be collected with a Zoom H2n or equivalent, with efforts made to place the microphone as close to the singer as possible, and all audio should be recorded in uncompressed WAV at 44100Hz. If you don't have an H2n and need one, we can provide one. Please contact Sam and Max if you have any concerns about funding, including general programmatic expenses.

Setup

On the top of the Zoom H2n, set the microphone to "4ch" and put it within 3-4 feet of the parent. It will record with a 360 degree radius, but place it facing the parent and as close to them as possible. The "Mic Gain" knob on the side lets you adjust to make sure the mic is sensitive enough to capture quiet audio. If it's set too low, you won't get anything; if it's too high, all the audio will be clipped. As you begin recording, check the levels monitor on the device's LCD screen. Adjust the knob to keep the levels roughly in the top 2/3 of their scale.

The recorder also has an "Auto Gain" setting that will automatically adjust this: ***please do not use it*** as it will interfere with our ability to edit the audio later (if the device defaults to it, turn it off in Menu > Input > Auto Gain > Off).

Procedure

Whenever possible, all recordings of parent ID speech and ID singing should be conducted in the presence of an infant.

1. Start recording.
2. State date, location, participant, number of infants present, and age of each infant (if available)
3. Elicit singing and speech (in fixed order) from mom or dad. Each will probably be at least ~15 seconds in length, but the participant should determine the full length of each example (i.e., ask for "a song", not "about 15 seconds of singing"). Ask participant to:
 - a. Demonstrate how s/he sings to baby **when baby is fussy** (if baby isn't actually fussy at the moment, then say "Imagine that your baby is fussy.")
 - i. For our purposes, "fussy" can mean anything from frowning or mild whimpering to a full tantrum: any negative behavior that constitutes some elicitation of care.
 - b. Demonstrate how s/he speaks to baby **when baby is fussy**.
 - c. Demonstrate how s/he sings a different song that's not intended for infants (can choose any song that would be sung informally, alone or to another person)

[N.B. Several researchers in urban settings have found it helpful to give

the participant a list of common songs to choose from, if they have trouble thinking of one. This is fine!]

- i. State (in English) the behavioral context of that adult-directed song, e.g., "That was a song for dancing."
- d. Demonstrate how s/he speaks to an adult (elicit however you like: have him/her describe their daily routine, what they do for work, tell you a story, etc).

Each recording should have only one example of each of 3a-d above: there should be **only one parent/infant pair per file, with four items**. Please do not provide multiple files from the same person (but it's ok to do two files for the same infant, e.g. one for mom and one for dad).

If you can record any of these items naturalistically (as opposed to eliciting them directly), please do, but note verbally in the recording (before or after the example) what category the recording is in and that it is a naturalistic recording instead of an elicited one. **This is especially helpful in cases of ID song to an audibly fussy infant.**

Please collect data from as many moms/dads as you are able, with a minimum of 10 people per fieldsite.