

CCi-MOBILE Research Interface for Cochlear Implant and Hearing-Aid Research

Single Day and 7-Day Participation Opportunities

Participation Opportunities – 5 Available Tests (Total)

February 1 – March 18, 2021

You may choose to participate in all five experiments (on different days/weeks) or any of the following experiments. [We strongly encourage you to participate in all four!](#)

Experiment Options:

1. [7-Day, At-Home Experiment \(Equipment Provided, Virtual Meeting\(s\) with Researcher\)](#)
2. Single-Day, At-Home Experiment (Equipment Provided, Virtual Meeting with Researcher)
3. Single-Day, Self-Paced Experiment (Equipment Provided, No Virtual Meeting with Researcher) – Test at any time!
4. Online Experiment #1 (No Equipment Needed, No Virtual Meeting with Researcher) – Test at any time!
5. Online Experiment #2 (No Equipment Needed, No Virtual Meeting with Researcher) – Test at any time!

***At-Home* Longitudinal (7-Day) Experiment Overview** – This experiment requires daily listening tasks using the CCi-MOBILE Research Platform across the total duration of a week. All the testing/training material will be provided to you with plenty of instruction on how to use the platform and how to take the test. Essentially, the testing experience will be the same as if you were in the lab, e.g., listening to sentences and then repeating back the words you heard. The daily training experience is akin to auditory training or listening games which are fun, self-paced, and do not require as much effort/attention. Our research team will connect with you virtually (via Zoom) to make sure you are comfortable and understand each daily task.

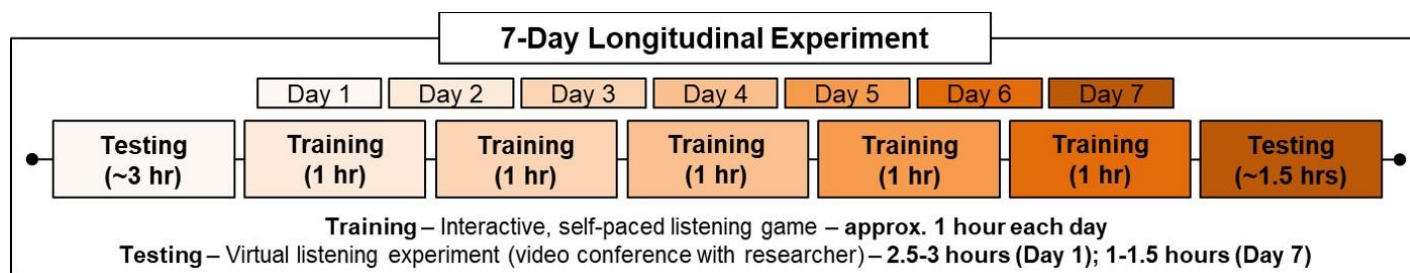


Figure 1. Weekly overview of the longitudinal experiment.

Participation

- Various activities across 7 days, a total of 10 hours
- Day 1 (~3.5 hours) – Traditional listening test, virtually connected with a researcher via Zoom
- Days 2-6 (~1 hour) – Training modules, self-paced without a researcher present virtually
- Day 7 (~1.5 hours) – Traditional listening test (shorter than Day 1), virtually connected with a researcher via Zoom

Participation Schedule

- **February 1, 2021 – March 18, 2021**
 - Choice of starting day of week

CCi-MOBILE Research Interface for Cochlear Implant and Hearing-Aid Research Single Day and 7-Day Participation Opportunities

- For example, if you started on Monday, February 1, you would test on Mon, Feb 1, train at home-on your own time daily Tues-Sat, and test again on Sunday, Feb 7
- Choice of testing times (only for Day 1/Day 7)
 - 6AM – 10PM (Mon-Sat)
 - 1PM – 10PM (Sundays)
 - This should **not** interfere with your normal weekly schedule, you can perform each of the daily tasks according to your schedule, i.e., can take the experiment in the evenings after work, or whenever you find spare time.

Equipment (Provided)

- A laptop with all pre-loaded software and user interfaces
- A research processor (CCi-MOBILE Research Platform)
- All equipment will be mailed (if out of the DFW Metroplex) or hand-delivered (within DFW Metroplex) to your home address with plenty of hard-copy and online instructions on how to use the computer software and what tasks to do each day
 - *Do not worry, we will walk you through all the steps to make sure you are comfortable working with the laptop and with the research processor!*

Testing Day(s)

- Day 1 and Day 7
- Listening to various sentences with and without noise, with and without a new sound algorithm using the CCi-MOBILE Research Platform
- A researcher (Juli) will be online with you virtually to record your responses via Zoom and to walk you through how to connect to the research platform and how to operate the experiment
 - *For those who are not comfortable using a laptop, our research team can 100% control your laptop so that you do not have to worry about pressing the write buttons, operating the testing platform!*

Training Days

- Days 2-6 (5 total days)
- Listening to individual sentences with and without Lombard speech, interactive GUI with word-identification games, and individual keyword listening from audiobooks from popular pieces of literature, i.e., Alice and Wonderland, Sherlock Holmes
 - A researcher (Juli) does not need to be with you virtually online while you are training
 - This is self-paced and can be done at ANY time throughout your day, i.e., after work, or during lunch break, etc.

Reimbursement/Paid-Participation

- You will be paid approx. **\$350** for the duration of the study
 - *We realize this study requires more time and effort, so if you feel you are not properly reimbursed for your time, let us know and we would be happy to fulfill additional payments per individual requests*



CCi-MOBILE Research Interface for Cochlear Implant and Hearing-Aid Research Single Day and 7-Day Participation Opportunities

Participation Opportunities – 5 Available Tests (Total)

February 1 – March 21, 2021

You may choose to participate in all five experiments (on different days/weeks) or any of the following experiments. [*We strongly encourage you to participate in all four!*](#)

Experiment Options:

1. 7-Day, At-Home Experiment (Equipment Provided, Virtual Meeting(s) with Researcher)
2. [Single-Day, At-Home Experiment \(Equipment Provided, Virtual Meeting with Researcher\)](#)
3. Single-Day, Self-Paced Experiment (Equipment Provided, No Virtual Meeting with Researcher) – Test at any time!
4. Online Experiment #1 (No Equipment Needed, No Virtual Meeting with Researcher) – Test at any time!
5. Online Experiment #2 (No Equipment Needed, No Virtual Meeting with Researcher) – Test at any time!

At-Home Experiment (1-Day) Overview

This experiment requires listening to speech with different algorithms with different levels of background noise. This experiment is most similar to our in-lab testing opportunities, except now we will be meeting virtually (via Zoom) and you will be provided a laptop for our research platform to connect to in order for you to hear the processed speech.

- **NOTE: If you are taking the 7-day longitudinal experiment (see the experiment details on pages 1-2), you do not have to take this experiment, this is the same experiment for Day 1 of the longitudinal test!**

Participation

- 1 Day (4 hours total)
- Setup/instructions/walkthrough/MAP calibration (~1 hour – or less depending on computer user familiarity) and 2.5-3 hours of testing

Participation Schedule

- **February 1, 2021 – March 21, 2021**
 - 6AM – 10PM (Monday-Saturday); 1PM – 10PM (Sundays)

Equipment (Provided)

- A laptop with all pre-loaded software and user interfaces
- A research processor (CCi-MOBILE Research Platform)
- All equipment will be mailed (if out of the DFW Metroplex) or hand-delivered (within DFW Metroplex) to your home address with plenty of hard-copy and online instructions on how to use the computer software and what tasks to do each day
 - *Do not worry, we will walk you through all the steps to make sure you are comfortable working with the laptop and with the research processor!*

Reimbursement/Paid-Participation

- You will be paid approx. [\\$25/hour](#) for your participation, or a total of [\\$100](#)



CCi-MOBILE Research Interface for Cochlear Implant and Hearing-Aid Research Single Day and 7-Day Participation Opportunities

Participation Opportunities – 5 Available Tests (Total)

February 1 – March 22, 2021

You may choose to participate in all five experiments (on different days/weeks) or any of the following experiments. [We strongly encourage you to participate in all four!](#)

Experiment Options:

1. 7-Day, At-Home Experiment (Equipment Provided, Virtual Meeting(s) with Researcher)
 2. Single-Day, At-Home Experiment (Equipment Provided, Virtual Meeting with Researcher)
 3. [Single-Day, Self-Paced Experiment \(Equipment Provided, No Virtual Meeting with Researcher\) – Test at any time!](#)
 4. Online Experiment #1 (No Equipment Needed, No Virtual Meeting with Researcher) – Test at any time!
 5. Online Experiment #2 (No Equipment Needed, No Virtual Meeting with Researcher) – Test at any time!
-

***Self-Paced* Experiments #3 (~30 min) Overview**

This experiment requires listening to speech spoken by different familiar (or famous) speakers. You will be asked to identify the speech by listening only to their voice with and without different levels of background noise. Instead of using our research processor, you will be using your clinical processor.

Participation

- 1 Day (20-25 minutes)
 - This experiment is self-paced
 - This experiment requires the use of a graphical-user-interface

Participation Schedule

- **February 1, 2021 – March 22, 2021**
 - This test can be taken at any time of the day

Equipment Required

- A laptop with internet access
 - *For those who are not comfortable using a laptop, our research team can walk you through how the online testing system works!*

Reimbursement/Paid-Participation

- You will be paid approx. [\\$25/hour](#) for your participation
-



CCi-MOBILE Research Interface for Cochlear Implant and Hearing-Aid Research Single Day and 7-Day Participation Opportunities

Participation Opportunities – 5 Available Tests (Total)

February 1 – March 22, 2021

You may choose to participate in all five experiments (on different days/weeks) or any of the following experiments. [We strongly encourage you to participate in all four!](#)

Experiment Options:

1. 7-Day, At-Home Experiment (Equipment Provided, Virtual Meeting(s) with Researcher)
 2. Single-Day, At-Home Experiment (Equipment Provided, Virtual Meeting with Researcher)
 3. Single-Day, Self-Paced Experiment (Equipment Provided, No Virtual Meeting with Researcher) – Test at any time!
 4. [Online Experiment #1 \(No Equipment Needed, No Virtual Meeting with Researcher\) – Test at any time!](#)
 5. [Online Experiment #2 \(No Equipment Needed, No Virtual Meeting with Researcher\) – Test at any time!](#)
-

Online Experiments #1/#2 (1-Day) Overview

This experiment requires listening to speech with different algorithms with different levels of background noise. Instead of using our research processor, you will be using your clinical processor

- [There are two online experiments available at this time](#)

Participation

- 1 Day (2.5-3 hours total)
 - This experiment is self-paced
 - This experiment requires typing the word/phrases from the sentence into a response box instead of repeating them aloud to a researcher – Our testing times will depend on your typing speed

Participation Schedule

- **February 1, 2021 – March 22, 2021**
- This experiment is purely online, it can be taken at ANY time during the months/weeks above

Equipment Required

- A laptop with internet access
 - *For those who are not comfortable using a laptop, our research team can walk you through how the online testing system works!*

Reimbursement/Paid-Participation

- You will be paid approx. [\\$25/hour](#) for your participation, or a total of [\\$100](#)
 - If participating in [both](#) online experiments, a total of [\\$200](#)
-

