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Speech Production Lab

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Speech Motor Chaining: Randomized Controlled Trial of Treatment Intensities

Principal Investigator/Key Research Personnel:

Dr. Jonathan Preston is a speech-language pathologist and clinical researcher. He is the principal investigator for this research study. Several speech-language pathologists will be involved in data collection and analysis, including Nina Benway, Nicole Caballero, Benedette Herbst, Megan Leece, and Kerry McNamara. Other researchers who will assist with data analysis include Ben Munson, and Asif Salekin. You may contact the members of the research team at 315-443-1351 or SpeechProductionLab@syr.edu.

Introduction:

We are inviting you to be part of our research study. A research study is a way to learn more about different things.

What is the purpose for the research study?

- We are interested in learning more about how to make speech lessons most effective for children.

What are some things about the study I should know?

- **If you decide you want to be part of our study you will be asked to attend a session where we will record you naming pictures and reading words and sentences. We will assess your hearing and test you understanding of words and sentences, ask you to say sounds and syllables quickly, and we will look in your mouth. We will start today with a testing visit lasting about 30 minutes. We will then schedule a second visit that will take about an hour and a half. That visit will help us to determine if you are a good candidate for the rest of the study. If you are, we will invite you to take part in more sessions where we will record you saying words and sentences and where we will provide speech lessons to help you learn the R or S sounds. We would then randomly decide whether to provide 16 speech lessons over a period of 4 weeks or over 8 weeks. The lesson would last about an hour each. They might be similar to some speech lessons you've had before but we would provide direct instruction on what to do with the mouth and we would use a computer to help guide our speech practice. Once we are done with the lessons we would have you repeat words and sentences again.**
- **You might not feel comfortable doing some of the speech tasks or speech lessons. But you do not have to do anything you do not want to do.**
- **I also have to let you know if you were to tell me about anyone or anything that has hurt you or made you feel very upset, whether it's related to this study or not, I would have to tell someone who is not in the study.**
- **Not everyone who takes part in this study will benefit. A benefit means that something good happens to you. We think the benefits might be that you are able to say words with the R or S sound more clearly. We aren't sure if your speech will change but we will try to help you.**

What will happen when the study is completed?

- **When we are finished with the study we will write a report about what we learned or we might also share what we learned at special meetings. The report will not include your name or that you were in the study.**

Will I be audio or video, recorded?

- **If you agree to be part of this study, we will need to audio record you talking so that other people who are part of the research team can listen back to the recordings to describe how the words were spoken.**
- **We record the sound of your voice saying one word at a time (example: "side") or a short sentence (example: "It's by my side"). Your name is not stored with the audio. These recordings are stored on a password-protected drive at Syracuse University. Only approved members of the research study will have access to the audio recordings.**
- **If you agree to be part of this study, we will ask your permission to record the screen during a few of the sessions. Your face would be in these videos if you gave us permission. It is up to you if you want to allow us to collect the screen recording along with the audio. The video recording isn't part required to be in the study.**
- **You will be able to decide what happens with the audio recordings after the study is complete. One option you can choose if you want is to agree for the recordings of your voice saying one word at a time into a database to**

be used for future research purposes that include training future speech recognition systems. (No identifying information is included in this database other than the sound of your voice).
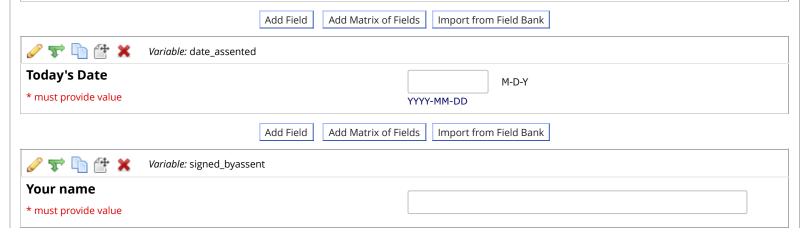
Will I receive any kind of payment for participation?

- **We will provide a gift card to either Amazon.com, Walmart, or Target. For the days when we provide testing, we pay $20/hr. For the days we provide speech lessons, we do not provide any payment. The total for the study could be up to $105.**

What else should I know before I decide to join the study?

- **I have already asked your parents and they said it is okay for you to be in the study. But, you can choose if you want to be in the study or not. It's up to you to decide on your own. No one will be mad at you if you decide you do not want to be in the study.**
- **Once you start, if you change your mind, you can stop at any time. No one will be angry if you decide to stop. You just have to let us know.**
- **You can ask us questions at any time before you decide to be in the study or during the study if you decide to join**
- **You can ask your parents, grandparents, etc. about being in the study.**

All of my questions have been answered; I agree to participate in this research study. I agree to have audio recordings made of my speech, and have words from those recordings played to listeners without them knowing anything about me. I have received a copy of this form to keep.

Add Field | Add Matrix of Fields | Import from Field Bank

Variable: date_assented

Today's Date

[   ] M-D-Y

* must provide value

YYYY-MM-DD

Add Field | Add Matrix of Fields | Import from Field Bank

Variable: signed_byassent

Your name

[   ]

* must provide value

Add Field | Add Matrix of Fields | Import from Field Bank

Variable: change_speech_child

This study is about helping children change how they say certain speech sounds. Do you want to change the way you say certain speech sounds?

○ Yes
○ No

Add Field | Add Matrix of Fields | Import from Field Bank

Variable: assent_sign

All of my questions have been answered; I agree to participate in this research study, have audio recordings made of my speech, and have words from those recordings played to listeners without them knowing anything about me. I will receive a copy of this form to keep.

Please sign here with your mouse of finger (if touch screen).

* must provide value

Add Field | Add Matrix of Fields | Import from Field Bank

Variable: descriptive

We're going to ask you some questions about permissions that you will give us for working with your data. It doesn't matter what your parent's responses were, you can make whatever decision you feel comfortable with.
Please answer the following questions by selecting "Yes" or "No". Your responses to the questions that follow will not affect your eligibility for participation in the study.

Add Field | Add Matrix of Fields | Import from Field Bank

Variable: future_study_assent

Will you allow us to share audio recordings of you saying short words/phrases (without your name) with outside listeners as part of a *future* study?

○ Yes
○ No

* must provide value

| Add Field | Add Matrix of Fields | Import from Field Bank |

Variable: audio_academic_assent

Will you allow us to use audio recordings of you saying short words or phrases (without your name) in academic contexts to train current/future speech language pathologists (i.e., at a conference or in a classroom)?

○ Yes
○ No

* must provide value

| Add Field | Add Matrix of Fields | Import from Field Bank |

Variable: publication_use_assent

Will you allow us to use audio recording of no more than 2 minutes of you saying short words or phrases (without his/her name) as along with a scientific paper?

○ Yes
○ No

* must provide value

| Add Field | Add Matrix of Fields | Import from Field Bank |

Variable: percept_inclusionassent

Will you allow us to include audio recordings of you saying short words/phrases (without your name) in a publicly-available database of speech samples?

○ Yes
○ No

* must provide value

| Add Field | Add Matrix of Fields | Import from Field Bank |

Variable: perceptual_training_assent

Will you allow us to use example audio recordings of you saying short words/phrases (without your name) mixed into a set of examples from many speakers to create learning modules that teach other people to correctly perceive and transcribe examples of correct and incorrect speech sounds?

○ Yes
○ No

* must provide value

Add Field | Add Matrix of Fields | Import from Field Bank

Variable: socialmedia_assent

Will you allow us to use audio recordings of you (saying short words or phrases, without your, never with video of the participant's face) as examples for social media posts that help us share our work with current/future speech language pathologists?

○ Yes
○ No

* must provide value

Add Field | Add Matrix of Fields | Import from Field Bank

Variable: video_tx_assent

Will you allow us to record video of our computer screen along with the webcam, including your face and the environment as captured by our webcam, as you engage in speech assessments/speech lessons? These videos would never be shared publically but would be used to assist our ability to train computers to recognize correctly spoken words based on facial movements.

○ Yes
○ No

* must provide value

Add Field | Add Matrix of Fields | Import from Field Bank

Variable: gender_child

Knowing that all options may not be listed, which of the below best matches your gender identity?

☐ Male/masculine
☐ Female/feminine
☐ A gender that is not exclusively male/masculine or female/feminine

Add Field | Add Matrix of Fields | Import from Field Bank

Variable: pronouns_pref

What pronouns do you prefer?

○ She/her
○ He/him
○ They/them
○ Ze/hir
○ Other

Add Field | Add Matrix of Fields | Import from Field Bank

Variable: pronouns_other   *Branching logic:* [pronouns_pref] = '5'

If you selected Other, which pronouns do you prefer?

Add Field | Add Matrix of Fields | Import from Field Bank

Variable: giftcard_store

Compensation for this study will be provided in the form of a gift card. Please choose which store you would like a gift card for.

○ Amazon.com
○ Walmart
○ Target

Add Field | Add Matrix of Fields | Import from Field Bank

Variable: download2

On the next page you will be able to review your responses and download/print this form.

Add Field | Add Matrix of Fields | Import from Field Bank