

Investigating Speech Sequencing in Neurotypical Speakers and Persons With Disordered Speech

NCT05437159

Status	RECRUITING
Phase	Not Applicable
Sponsor	Boston University Charles River Campus
Enrollment	2 participants

Key Eligibility Criteria

Inclusion (10)

- Healthy individuals with no history of neurological, speech, or hearing disorders (other than stuttering in studies that involve adults who stutter).
 - To maximize the uniformity of prior exposure to the speech stimuli that will be used, only native speakers of American English will be recruited, and only those with limited exposure to a second language will be enrolled.
 - All adult participants will also pass a standard pure-tone hearing screening at a 25dB hearing level threshold at 500, 1k, 2k, and 4kHz frequencies.
 - All participating children will pass a hearing screening at a 20 dB threshold at 500, 1k, 2k, and 4k Hz.
 - Participants in experiments that require them to read orthographic stimuli must have normal or corrected-to-normal vision (MRI-safe corrective glasses are available at the Boston University Cognitive Neuroimaging Center for use during neuroimaging).
- ... and 5 more (see full listing online)

Exclusion (6)

- Participants in studies that involve tDCS or MRI scanning will have no contraindications specific to those procedures. For the tDCS study, this includes individuals who have a metallic implant in the head or electrically sensitive devices implanted in the body, a history of seizures, significant scalp lesions, or pregnancy.
 - For MRI studies, this includes a history of seizures, severe claustrophobia, the presence of magnetically or mechanically active implant, ferromagnetic material embedded in any part of the body, or pregnancy).
 - All participants will perform a standardized nonword repetition pre-test (the Dollaghan and Campbell Nonword Repetition Task) to assess working memory performance. Participants who perform more than 2 standard deviations below the norm for their age range will be deemed to be unable to perform the experimental task and released from further participation.
 - Participating children will have no history of neurological disorder other than stuttering, and will demonstrate very mild to severe stuttering according to the Stuttering Severity Instrument for Children and Adults, 4th Edition, that is confirmed by clinical reports and expressed concern by the subject and/or guardian.
 - Children under the age of 6 and over the age of 8 will not be enrolled in this study.
- ... and 1 more (see full listing online)

Locations (3 total)

Massachusetts General Hospital, Boston, Massachusetts, United States
Boston University, Boston, Massachusetts, United States
University of Michigan, Ann Arbor, Michigan, United States

<https://clinicaltrials.gov/study/NCT05437159>

DISCLAIMER: This document is for informational purposes only and does not constitute medical advice. Always consult your healthcare provider before enrolling in any clinical trial. Information may not be up to date — verify details at [ClinicalTrials.gov](https://clinicaltrials.gov). Generated by [ClinicalTrialsFinder.org](https://clinicaltrialsfinder.org).