HOW DO WE STUDY THE BRAIN?

- We play interactive computer games while taking pictures of the brain.
- Pictures are taken using an MRI machine, which is safe and non-invasive.

WHAT IS MRI?

- We use a Magnetic Resonance Imaging (MRI) machine to measure patterns of brain activity.
- MRI is a safe and widely used tool, and it is often utilized in clinical practice.

CONTACT US!

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Deaf and Hard of Hearing Reading Project
Help us discover how children who are deaf and hard of hearing learn to read!

Date of IRB Approval: 09/20/2019
Principal Investigator: James R. Booth, Ph.D.
Peabody College of Education and Human Development, Vanderbilt University
Graphic services supported in part by EKS NICHD Grant U54 HD083211 to the Vanderbilt Kennedy Center, vkc.vumc.org.
DEAF AND HARD OF HEARING READING PROJECT

WHAT WE DO?
Study how DHH children’s brains develop and how they change when learning to understand written language!

WHY PARTICIPATE?
- Participants will be paid
- Help unravel the mystery behind how children learn to read
- Receive your child’s standardized test scores
- Take home a picture of your child’s brain

WHO CAN PARTICIPATE?
- 10-16 year olds who are deaf and/or hard of hearing
- Use of English, American Sign Language, or both to communicate
- Use of most assistive hearing devices or no device at all
- Does not have cochlear implants

WHAT TO EXPECT?
Children will be asked to participate in two sessions:

Session 1
- Standardized testing and interactive learning games
- Practice in a mock MRI machine to become comfortable with the scanner

Session 2
- Scan of brain structure and function in a real MRI machine (MRI scanner is safe and non-invasive)
- Hearing test

Testing can take place during the day, after school, or on weekends at Vanderbilt University.