

HOW DO WE STUDY THE BRAIN?

- We play interactive computer games
- Pictures are taken using fMRI, which is safe and non-invasive

WHAT IS fMRI?

- We use functional magnetic imaging (fMRI) to measure patterns of brain activity.
- fMRI is a safe and widely used tool, and it is often utilized in clinical practice.



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Institutional Review Board
VANDERBILT

Brain Development Lab
Vanderbilt University

Help us discover how children who are deaf and hard of hearing learn to read!



VANDERBILT KENNEDY CENTER



DEAF AND HARD OF HEARING READING PROJECT

WHAT WE DO

Study how children's brains develop and how they change when learning to understand written language!

WHY PARTICIPATE

- Be a part of research helping unravel the mystery behind how children learn to read
- Receive your child's test scores
- Take home a picture of your child's brain
- Participants who enroll will be paid

WHO CAN PARTICIPATE?

- 10-13-year-olds who are deaf and/or hard of hearing
- Use any language (English, American Sign Language, or both to communicate)
- Use any hearing assistive device (no cochlear implants) or no device at all

WHAT TO EXPECT

Children will be asked to participate in two sessions:

Session 1

- Standardized testing
- Practice fMRI (functional Magnetic Resonance Imaging) session to learn games and become comfortable in the scanner

Session 2

- fMRI scan of brain structure and function
- Hearing/speech test

