

Brain Imaging Study of Hearing Loss in Children

Researchers at UNMC are looking for participants for a noninvasive brain imaging study of hearing loss in typically-developing children (IRB # 521-17-EP)

What is the purpose of this study?

- To understand how a child's brain works during attention and memory tasks
- To understand whether hearing loss affects how these attention and memory processes occur in the brain

Your child may be eligible if:

- He or she is between the ages of 7 and 15 years old
- He or she has not been diagnosed with any neurological or psychiatric disorder(s)
- He or she is able to complete a series of mental tasks
- He or she has normal hearing, or has been diagnosed with mild-to-severe hearing loss
- He or she wears hearing aids if diagnosed with mild-to-severe hearing loss
- She is not pregnant

What is required?

- Complete 1-2 visits over the course of a couple of weeks; a total of 3-4 hours of testing
- Complete MEG and MRI scans
- Complete neuropsychological and cognitive assessments



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