



Young Children Needed: A Study Examining How Brain Develops

What is the goal of this research study?

We are conducting a study to understand brain development in infants that are typically developing compared with young children who have an Autism Spectrum Disorder (ASD) Diagnosis. We will use new non-invasive brain imaging methods developed for infants and young children.

Why are you inviting my child to be a part of the study?

We are asking typically developing infants and children between the ages of 6 to 12 months to participate. By conducting brain imaging scans of brain activity in infants, toddlers, and pre-school children we will see how brain processes change across development. We will eventually use this information to better understand brain processes in children with neurodevelopmental disorders such as autism.

What will we be asked to do?

You will be asked to make up to four visits to The Children's Hospital of Philadelphia (CHOP). The first three study visits will last approximately 3 hours and will involve developmental testing and a brain imaging scan (magnetoencephalography (MEG)). The fourth study visit will last approximately 4.5 hours and will involve neuropsychological testing, developmental testing and an MEG scan.

You will be able to stay with your child during the brain scan (MEG). If you would like more information on MEG, visit our CHOP website at

<http://www.chop.edu/service/radiology/diagnostic-imaging/meg-scan.html>.

What are the benefits of taking part in this research study?

Data from this study will allow us to measure changes in the pattern of brain activity in younger versus older children. Understanding these brain processes in typical development will allow us to eventually better understand similar brain measures in children with neurodevelopmental disorders. We will pay you for your time in the study. In addition, your child will receive a small gift.

I want to help! Who do I call?

For any questions or to participate in the study, please contact:

“research staff”, Department of Radiology, The Children's Hospital of Philadelphia

Email: researchstaff@email.chop.edu

Phone: (215) 590-0916

Help
lead the way.