Seeking Participants:

- Children (0-17 years) with motor deficits from brain injury
- Typically developing children to serve as controls (e.g. siblings, friends)

Study Purpose:

Determine real-life motor activity in children with and without hemiplegia using biosensors.

This research is made possible through funding from the Hope Center for Neurological Disorders, the McDonnell Center for Systems Neuroscience and the Child Neurology Foundation.

What you will be asked to do

Participants will be asked to wear an Actigraph biosensor on both wrists and ankles for 4 days within one month. They would wear them for 25 hours at a time, while following their typical daily routines. The devices are small, lightweight and waterproof. When done wearing the devices, participants can simply mail them back in a pre-addressed envelope. Children will complete a brief motor assessment. Parents will complete surveys regarding their child’s development.

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