



INVITES YOU TO PARTICIPATE IN A STUDY OF ARM MOVEMENTS

The purpose of this study is to understand the planning and performance of arm movements and how these movements are influenced by stroke. Participants will perform fast movements with their arm while seated in a chair. Sensors will be attached to the arm to measure the movement and the activity of the muscles.

This study is for two groups of participants:

1. People with no disease or injury affecting the brain.
2. People who had a stroke more than six months ago.

A single study session is required.

The study will take 2 to 3 hours at the Rehabilitation Science Research Lab on Creighton University's Omaha campus.

Participants must meet the following criteria:

- 40–80 years old
- Use their right hand for most activities
- No loss of hearing
- No fear of loud noises
- No previous arm injuries
- Comfortable wearing a loose or sleeveless shirt

Participants will be compensated \$20 for their time and effort at the completion of the study session.

For additional information, please contact the study team at (402)280-2243 or HeckmanResearch@creighton.edu