

# ATTENTION PARENTS & CHILDREN!

University of Connecticut is conducting a research study on play-based interventions to improve arm function in children with hemiplegia  
BRANY IRB #: 23-10-800-910

## SPEED GROUP



## WHAT WILL BE INVOLVED?

- **Study duration: 12 weeks**
  - 3 testing sessions (pretest, posttest, follow-up)
  - 12 researcher-delivered sessions over 6 weeks (2 sessions/week, 30-45 minutes/session)
  - 2 additional sessions/week by caregivers
- **Study design:** Randomized controlled trial
  - **SPEED (*Strength and Power in upper Extremities through Exploratory Driving*)**
    - Training using powered ride-on-toys with single joystick controls
  - **CRAFT (*Creative Rehabilitation for Arm Functional Training*)**
    - Creative games to improve arm strength and flexibility
- Participants will receive \$100 for participation disbursed in 2 installments (\$50 at mid-point, \$50 at end-point)

## WHY IS THE STUDY BEING DONE?

- To assess effects of 2 types of play-based interventions (SPEED & CRAFT) on affected arm function in children with hemiplegia

## WHO CAN PARTICIPATE?

Children -

- with hemiplegia between 3 and 8 years
- with clear asymmetry in arm strength
- able to tolerate sitting for 15-20 minutes
- with no history of arm surgery in last 6 months
- with weight < 150 lbs



## WHERE?

### Training sessions

- Child's home/school/neighborhood park/playground

### Testing sessions

- REINVENT-PT Lab at UConn Storrs campus



## CRAFT GROUP



## CONTACT INFORMATION

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