



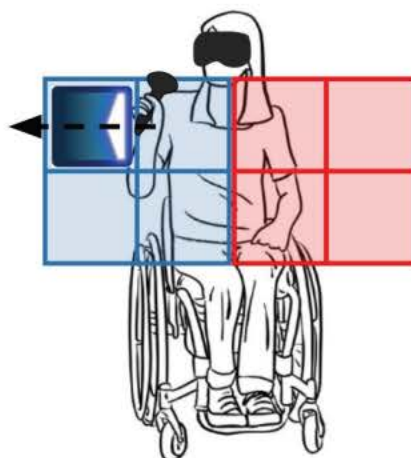
University
of Dayton

RESEARCH STUDY

Upper Extremity Movement in Virtual Reality

Persons with Spinal Cord Injuries are invited to take part in a research study investigating how each group responds to upper extremity movement tasks presented in a virtual environment.

Participants will come to the University of Dayton's EMPOWER Laboratory for two sessions that will last roughly two hours each. During each visit, participants will wear retroreflective markers and a virtual reality headset to play BEATSABER. During the first visit, participants will complete a three minute arm movement trial six times in the virtual world. In the second visit, an individualized movement trail will be played for the same intervals of time.



Interested individuals may
contact: Skyler Miller
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Participants must meet the following criteria:

Must be 10 years or older and have at least some movement ability in both arms

Must have a diagnosis of a spinal cord injury at a level of C5 or below

At least 20/30 vision (with glasses/contacts as needed)

Participants must not have:

Any additional conditions impacting arm movement ability

History of seizures or prior adverse response to virtual reality environments

Hearing loss in one or both ears