

## Assessing memory performance for action words in stroke patients

**Location:** Across Canada, via Zoom.

**Description:** Previous research has suggested that performing an action with one's hands to depict the meaning of a target word (enactment; e.g., clapping) benefits later recall relative to a verbal task (reading target items; e.g., reading the word 'clap'); this is called the enactment effect. The goal of this research is to compare recall performance in patients who have sustained lesions to frontal and/or parietal areas of the brain to study the relative contribution of cognitive planning and semantic processing, respectively, to the enactment benefit.

**Language:** English

**Eligibility:** We are looking for stroke patients with **single-episode strokes** leading to lesions in frontal and/or parietal brain regions.

**\*\*Exclusion criteria:** Participants who have incurred a second stroke at any time after the initial stroke (i.e., participants must have a history of only one stroke), and those who suffer from amnesia or dementia will be excluded from participating in the study. Further, participants should not have a history of any other neurological disorders or be taking medication for mental health illnesses or for neurological deficits. It is also important that at least three months have passed since the original stroke at the time of experimental testing.

### **Participant requirements:**

Participants that pass the eligibility questionnaire will be contacted by the researchers. The researchers will then contact eligible participants (via phone or email) to ask for a date and time at which they are available for a video call on Microsoft Teams or Zoom. On the day of testing, the researcher will initiate a video call with the participant at the specified time. The study will occur during a single 1.5 to 2-hour session and will be entirely remote (via Teams or Zoom).

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