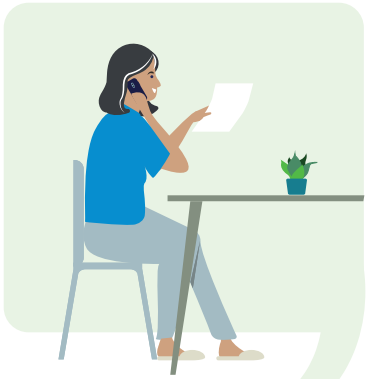
Brain research is progressing in revolutionary ways.

Your patients may be interested in participating in a virtual study.

HANDDS-ONT (Health in Aging, Neurodegenerative Diseases and Dementias in Ontario) is an observational technology-driven research study facilitated in the participant's home & community.

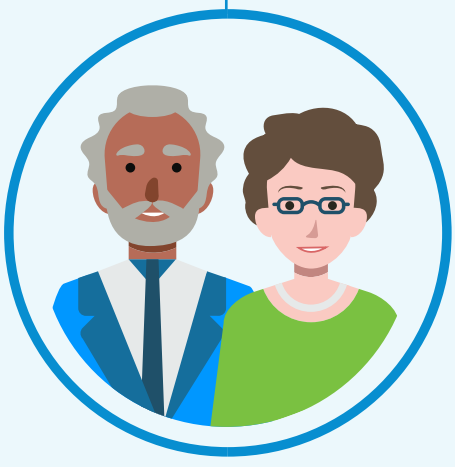


What is our purpose?

The primary purpose of this study is to help understand the causes and impairment seen in neurodegenerative and cerebrovascular diseases by linking genetic and molecular factors, day to day activities and long-term outcomes in a novel way.

Core study features

- Wearable health and activity sensors
- Health questionnaires
- Genetic and molecular analyses based on blood draw
- Personalized health and activity reports



Study is designed to be low burden.
No study-related clinic visits.

How can clinicians get involved?

- Let your patients know about this study
- Direct them to the phone number, website or contact email

Eligible study participants*

- People diagnosed with a Neurodegenerative disease:
  - Alzheimer's Disease/Mild Cognitive Impairment (MCI)
  - Amyotrophic Lateral Sclerosis (ALS)
  - Parkinson's Disease
  - Frontotemporal Dementia (FTD)
- People who are post-Stroke
- Healthy adults — for a comparison group

* Must be an Ontario resident to participate.

Contact study organizers

437-882-8335
www.ondri.ca/handds
handds@ondri.ca

HANDDS-ONT Study Details

Our objectives

1. Will examine protein biomarkers and gene mutations to help identify unique cohorts with similar symptoms and daily living behaviours.
2. Will examine how genomic-proteomic patterns and daily living behaviours are related to adverse health outcomes in future (using linked system health data).
3. Will examine the useability, acceptance, and impact of personalized health and activity reporting on self-management activities.

Brief Study Overview

A centralized coordinator pool will screen for eligibility and consenting.

Participants will:

- Wear small biosensors (1 ankle, 1 wrist, 1 chest) for 7-10 days to collect data on their activity, sleep patterns and cardiovascular function.
- Receive a personalized high-level report of select health and activity measures - from data collected while wearing the sensors - and be invited to provide feedback on the report.
- Provide a blood sample for analysis at a LifeLabs® location of their choosing.
- Respond to questionnaires on medical history, current medications, quality of life and mood.
- Provide the name of their 'most responsible' healthcare provider to receive notice of incidental findings and to verify self-reported medical diagnosis.

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HANDDS-ONT

ONTARIO NEURODEGENERATIVE DISEASE RESEARCH INITIATIVE

ONTARIO BRAIN INSTITUTE INSTITUT ONTARIEN DU CERVEAU