

Selecting **Fit for Purpose** Wearable Sensor Technologies

to advance research and care in neurodegenerative disease, stroke and dementia



Guide

Our ONDRI research in remote health monitoring focuses on modifiable health & activity measures, which can ultimately improve disease treatments & quality of life.

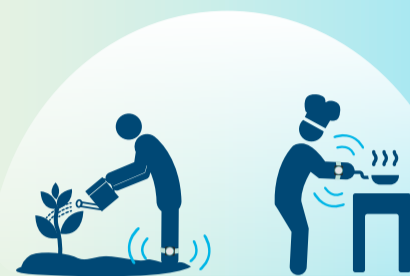
ONDRI studies have followed the following **5 principles to ensure accurate high-quality data from wearables.**

1 Device specifications are appropriate for **capturing body or physiological functions** of interest



✓ Results in meaningful, accurate data

2 Devices are **easy to use & comfortable**



✓ Allows individuals to carry on with daily activities

3 Devices are worn at **purposeful wear location**



✓ Increases confidence in quality of intended measurement

4 Devices allow **access to detailed data**



✓ Enables personal health tracking and individual care

5 Devices can **collect data over extended periods** of time without excess burden



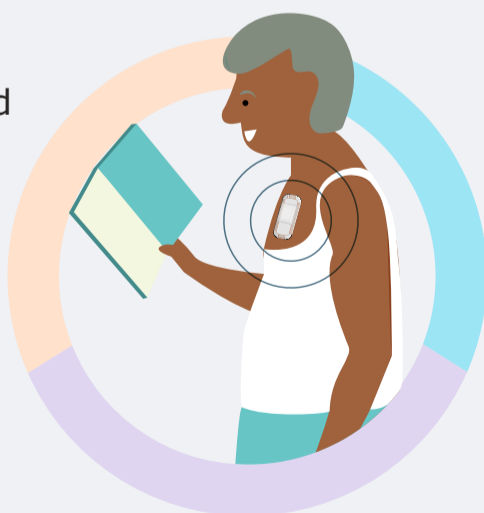
✓ Provides 24-hour information on health and activity

Result

Selecting effective wearable devices generates meaningful health & activity data that puts people at the centre of research and care

IMPACT ON INDIVIDUAL

- Tracking daily health-related behaviour
- In the home and community
- Personalized health monitoring



IMPACT ON RESEARCH & CARE

- ↑ Health and disease tracking
- ↑ Early detection
- ↑ Treatment effectiveness
- ↑ Healthy behaviours & healthcare decision making
- ↓ Burden of clinic visits
- ↓ Need for in-clinic self-reporting

The future of neurodegenerative disease research & care includes employing a combination of simple, **fit for purpose** technologies to capture health information at home and in the community.