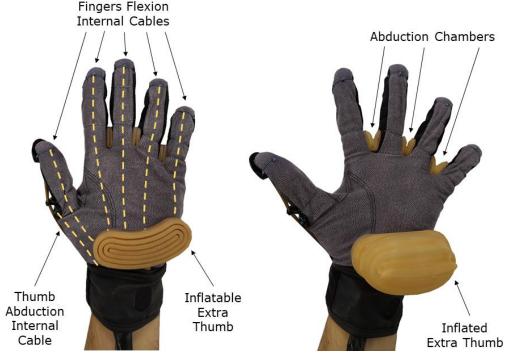# Motivation

- According to the World Stroke Organization, stroke is the leading cause of death and disability worldwide.

- One in six people will suffer a stroke in their lifetime.

- The rehabilitation process of impaired people depends on the repetition of movements performing activities of daily living.

Objectives

- Develop and disseminate an open-source, affordable, lightweight, robust, wearable, soft exoskeleton glove that will be easy to build, maintain, and repair.

Preliminary prototype of a soft exoskeleton glove developed by the New Dexterity research group.

Deliverables

- **Aug/20 – Sep/20 -** The robotic exoskeleton glove will be designed and modelled for easy fabrication, replication, repairing, and maintenance.

- **Oct/20 – Nov/20 -** The prototype of the soft robotic exoskeleton glove will be fabricated and extensive hardware testing will be executed.

- **Dec/20 – Jan/21 -** User interfaces and control schemes will be developed to facilitate the execution of tasks.

- **Feb/21 -** Non-expert users will be asked to replicate, use, and maintain the device. The designs and the replication guides are published in the New Dexterity and OpenBionics websites.