



Long-term stroke disability is a huge public health issue in Canada and it's on the rise

At the HSF Canadian Partnership for Stroke Recovery, we build research collaborations with high potential impact, accelerate research using shared infrastructure, develop high caliber stroke recovery research leaders, and share new knowledge with those who can apply it.

What's the urgency?

405,000 Canadians live with long-term disability after stroke. Many more will join their ranks when a clot suddenly cuts off blood supply to part of the brain or when a weakened blood vessel ruptures. Stroke can happen to anyone at any age. A national study published in the journal *Stroke* in 2015 forecasts an 80-per-cent increase in stroke disability in Canada in the next 20 years, rising to 725,000 (equivalent to the population size of an urban centre like Edmonton.)

What is needed?

We are mobilizing clinical trials in stroke recovery to ensure widespread adoption of new therapies. These include:

- 'combination approaches' involving exercise, anti-depressants and electrical stimulation to prime the brain for improved and renewed recovery; and,
- a major national study of stem cells to promote brain repair after stroke.

We champion out-of-the-box, game-changing ideas like tele-rehab projects to deliver web-based physical and cognitive therapy to people in their homes and robotics and portable technologies to ramp up physical therapy and speed recovery. We need greater investment to support big, impactful ideas to restore lives affected by stroke.

Who is involved?

Canada's research A-Team in stroke recovery: Heart and Stroke Foundation, University of Ottawa, Sunnybrook Research Institute, Baycrest, Toronto Rehabilitation Institute, Memorial University of Newfoundland, The Ottawa Hospital, University of British Columbia and University of Calgary are the core partners who invest in our organization. We also involve stroke survivors, clinicians and researchers from across Canada and around the world.

Learn more about CPSR by visiting
www.canadianstroke.ca

Check out our user-friendly
Stroke Engine site with the latest research evidence on promoting recovery
www.strokengine.ca

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