Telerehehabilation projects funded by the CPSR and Heart & Stroke:

* **Dr. Hélène Corriveau, Université de Sherbrooke.**This team will study a three-pronged high-tech approach: videoconferencingto deliver occupational and physical therapy in the home; the use of hand-held tablets to enable patients to communicate with therapists; teletreatment to provide group-therapy sessions for people in Lac Mégantic and Magog. At least 25 participants will be involved in the research.
* **Dr. Janice Eng, University of British Columbia.**This team will study the effectiveness of lifestyle coaching over the phoneto 40 people recovering from stroke.The goal isto improve fitness and nutrition and reduce the incidence of secondary strokes. The study will lay the groundwork for a larger, multi-site clinical trial.
* **Dr. Gail Eskes, Dalhousie University in Halifax.**Researchers will develop and refine a website to deliver online intensive cognitive exercises to improveattention and memory problemsafter stroke. Fifteen patients throughout Nova Scotia will take part in the study and results will form the basis for planning a larger clinical trial.
* **Dr. Dahlia Kairy, Université de Montréal.**This team will investigate an interactive virtual reality program for use at home that allows ongoing rehabilitation of the upper arm. Sixty-six people will be recruited to compare the use of the new technology to a written exercise program or no follow-up care.
* **Dr. Jed Meltzer of the Rotman Research Institute at Baycrest** **Health Sciences** in Toronto. This study of 40 Manitobans with chronic communication problems will compare the effectiveness of therapy delivered over video and audio linkup to face-to-face sessions. All patients will be provided with an iPad for homework exercises.
* **Dr. Robert Teasell, Western University** in London. This team will study the cost effectiveness of speech-language therapy delivered by videoconferencing versus the traditional face-to-face approach. Fifty-two patients with speech, communication or swallowing disorders will be involved in the study.
* **Dr. Alex Mihailidis of Toronto Rehabilitation Institute** (TRI). This team will test an innovative table-top robot, developed at TRI, that delivers physical therapy to move and strengthen weakened arms after stroke. The robot allows two-way communication with a therapist and continuous feedback to the patient. Three patients will be recruited for the initial testing.