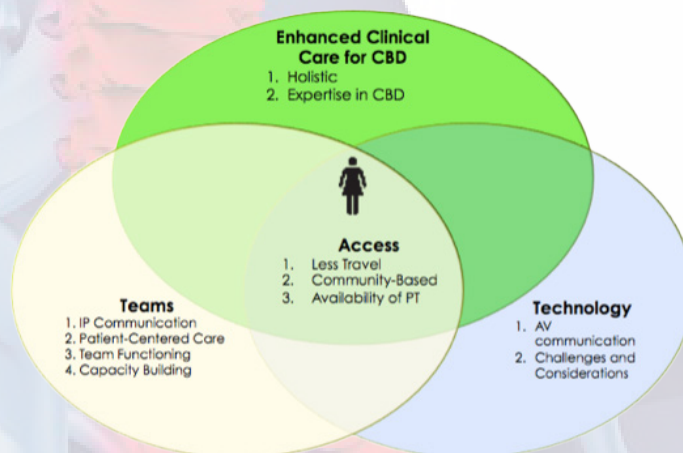


## TEAMS AND TECHNOLOGY FOR RURAL AND REMOTE MSK CARE

Canadians living in rural areas and Indigenous communities experience unique barriers when it comes to accessing care for musculoskeletal (MSK) conditions. The use of interprofessional teams can provide more immediate collaborative and client-centred care, and, along with technology, can provide a way to enhance access to care for individuals in their communities and strengthen communication among the team. Technology examples include telehealth, secure videoconferencing and Remote Presence Robotics (RPR). Teams and technology models of care allow urban specialists to join rural and remote patients and their community-based health care team to enhance access to specialized health services. This also helps to address access barriers and health system inefficiencies in a way that is driven by community needs. The projects under this area examined the effectiveness of various teams and technology models for MSK care in rural and remote areas, as well as the experiences of patients and practitioners involved in the innovative models of care.



Lovo, S., Harrison, L., Bath, M., O'connell, C., & Trask, B. (2019).  
*Experience of patients and practitioners with a team and technology  
approach to chronic back disorder management.*  
*Journal of Multidisciplinary Healthcare*, 12, 855-869.

Research projects under this area of focus include:

### INTERPROFESSIONAL PRIMARY HEALTH CARE SERVICES IN RURAL SETTINGS FOR PEOPLE WITH CHRONIC LOW BACK DISORDERS

- Bath B, Lovo G, Grona S\*, Milosavljevic S, Sari N, Imeah B\*, O'Connell ME. [Advancing Interprofessional Primary Health Care Services in Rural Settings for People with Chronic Low Back Disorders: Protocol of a Community-Based Randomized Controlled Trial.](#) *JMIR Research Protocols*. 2016;5(4):e212.
- Lovo, Grona\* S., Harrison, E., O'Connell, M., Trask, C., & Bath, B. [Experience of patients and practitioners with a team and technology approach to chronic back disorder management.](#) *Journal of Multidisciplinary Healthcare*, 12: 855-869.

## **PUBLICATIONS IN PROGRESS:**

- A Physiotherapist and Nurse Practitioner Model of Care for Chronic Back Pain using Videoconferencing: Diagnostic and Management Concordance
- Effectiveness and costs of an interprofessional management approach for physiotherapy assessment in people with chronic low back disorders delivered via videoconferencing: A randomized controlled trial

## **USE OF VIDEOCONFERENCING FOR PHYSIOTHERAPY CARE- SYSTEMATIC AND SCOPING REVIEWS**

- Lovo Grona\* S, Bath B, Busch A, Rotter T, Trask C, Harrison L. (2018). [Use of videoconferencing technologies for physical therapy in people with musculoskeletal conditions: A systematic review.](#) Telemedicine and Telecare. 24(5): 341-355.
- Horsley S\*, Schock G\*, Lovo Grona S, Montieth K\*, Mowat B, Stasiuk K\*, Boden C, Bath B. [Use of real-time videoconferencing to deliver physical therapy services: a scoping review of published and emerging evidence.](#) Journal of Telemedicine and Telecare. 2019 Jun.

## **INTERPROFESSIONAL TEAM VIDEOCONFERENCING CARE FOR RHEUMATOID ARTHRITIS**

- Taylor Gjevre R, Nair B, Bath B, Okpalauwaekwe U, Sharma M, Penz E, Trask C, Stewart S. (2018). [Addressing rural and remote access disparities for patients with inflammatory arthritis through video- conferencing and innovative inter-professional care models.](#) Musculoskeletal Care. 16(1): 90-95.

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