

#### PIHCIN knowledge synthesis grant

# Case management in primary care to improve outcomes among frequent users of health care services with chronic conditions: a realist synthesis

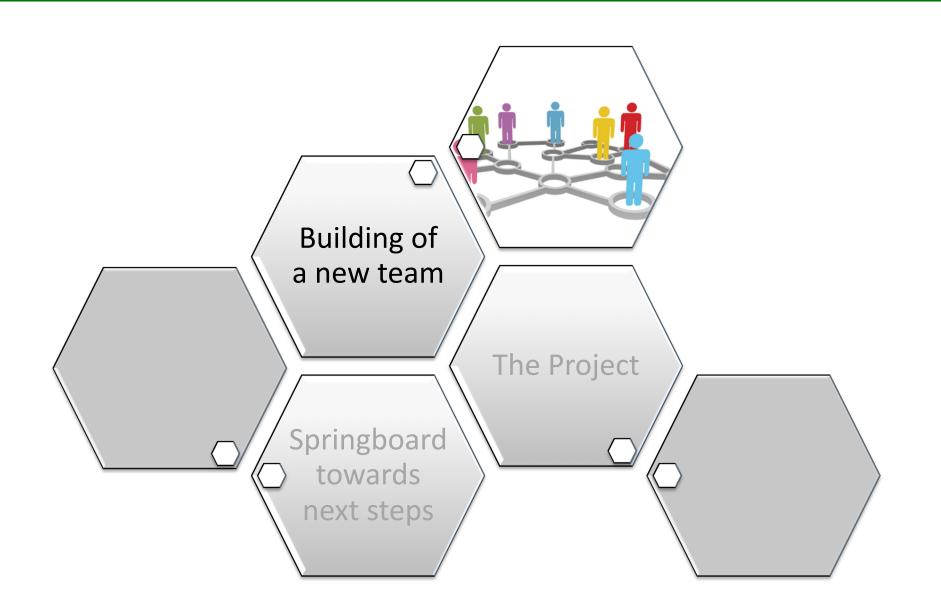
Catherine Hudon MD, PhD, CMFC
CIHR Embedded Clinician-Researcher
Research Director
Département de médecine de famille et médecine d'urgence
Université de Sherbrooke

Network Leadership Council Meeting December 3, 2019



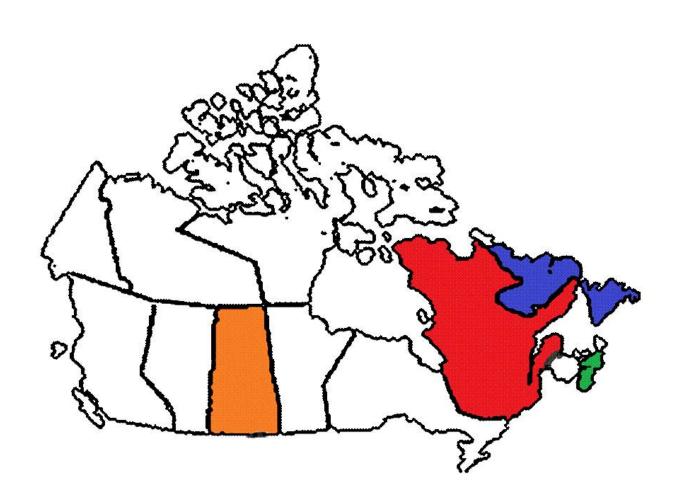


#### Milestones





### Building of a team





#### **Partners**



**Dalhousie** 

Santé et Services sociaux uébec \*\*



Centre intégré universitaire de santé et de services sociaux de l'Estrie - Centre hospitalier universitaire de Sherbrooke

















LE COLLÈGE DES MÉDECINS DE FAMILLE **DU CANADA** 





Foundation,

**MEDICAL RESEARCH** 





Faculty of Medicine











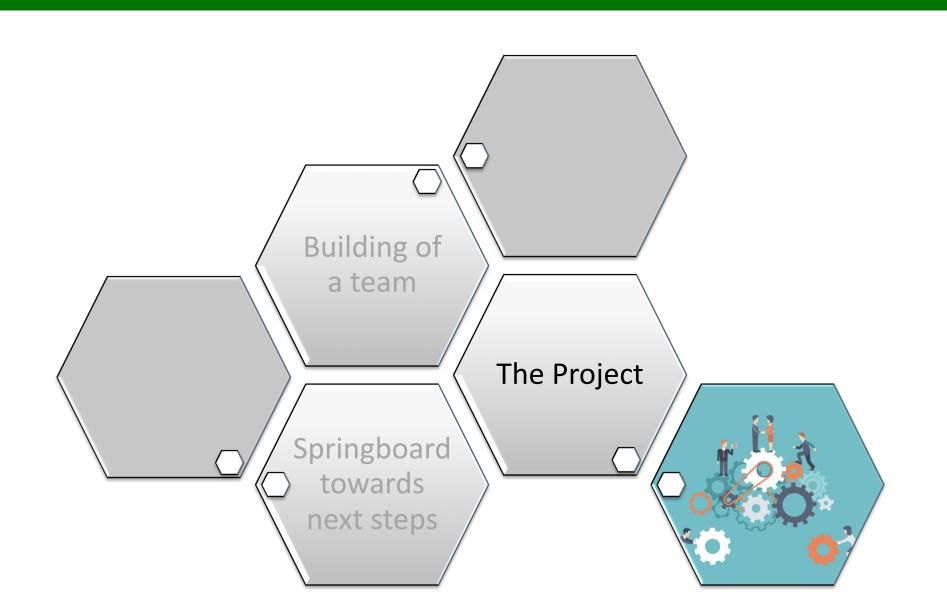


#### A new team

- Principal applicants: Hudon C, Chouinard MC (QC), Aubrey-Bassler (NL), Burge F (NS), Muhajarine N (SK)
- Principal knowledge users: Baker M (SK), Campbell C (NL), Edwards L (NS), Groulx A (QC)
- Resarch professionals: Lambert M (QC), Cleary O (NL), Fick F (SK)
- Applicants: Bush P, Guénette L, Légaré F, Morin P, Pluye P, Ramsden V
- Patients and clinicians: Davis B (SK), Godbout J (QC), Rabbitskin N (SK), Sabourin V (QC), Spence C (QC), Warren M (NL)

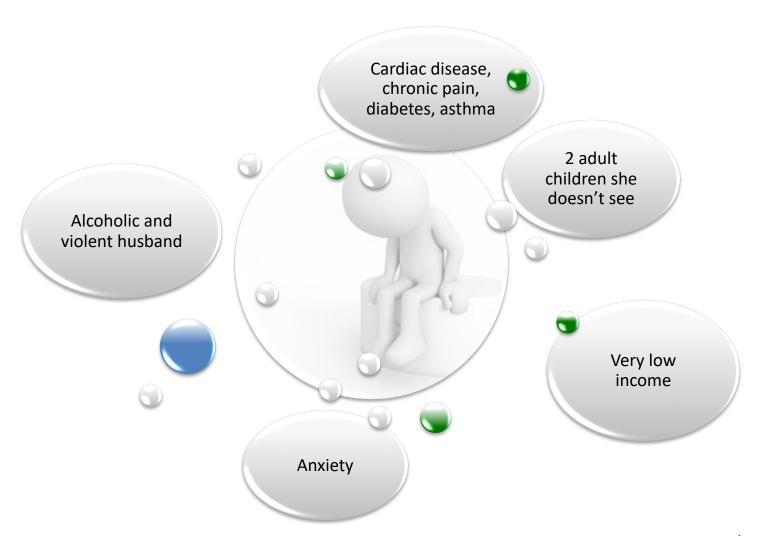








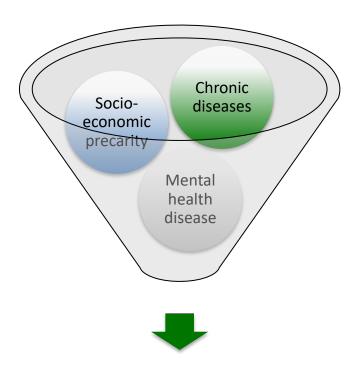
### Mrs Tremblay, 56 ans







#### Important systemic consequences

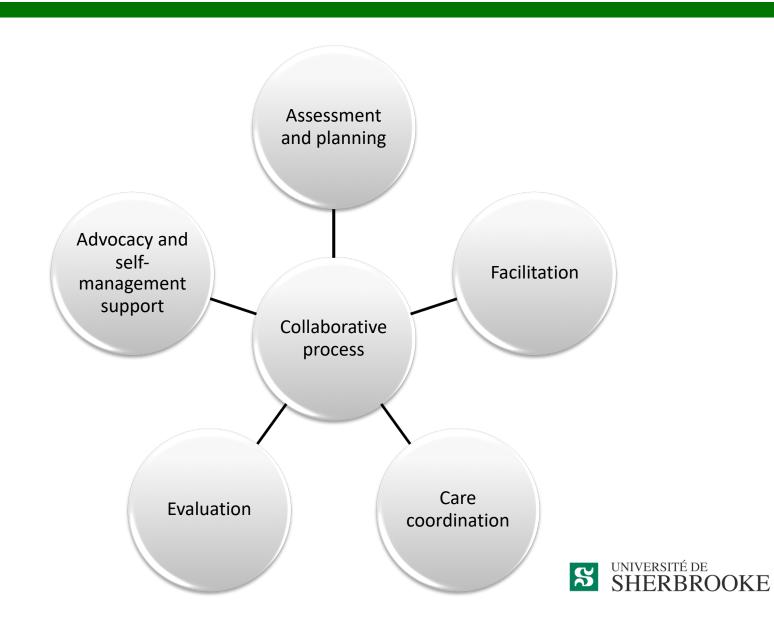


80% of cost = \$253,5 billions in Canada (2018) for 10% of the population





#### Case management in primary care





#### Hudon C et al., BMJ Open 2017

# Research question

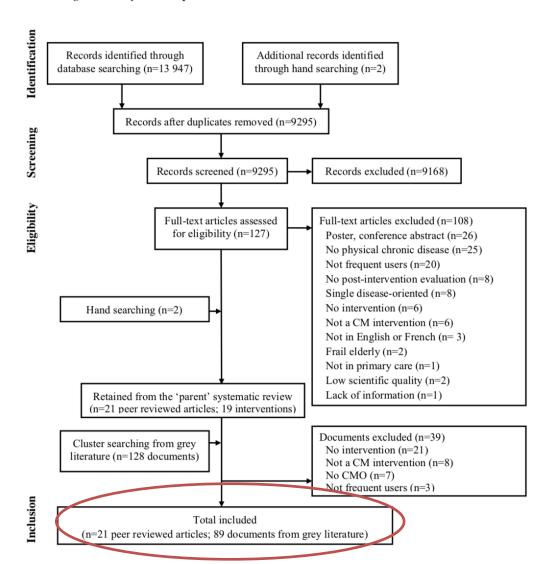
 How does CM in primary care work to improve outcomes among frequent users with chronic conditions, and in what circumstances?





#### Realist Synthesis

Figure 1. Study selection process

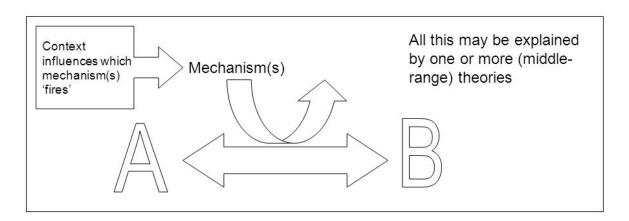




#### Realist Synthesis

## Assumptions underpinning realist synthesis

- Ontologically how we believe the world to be constituted:
  - Developed from critical realism
  - A stratified and 'filtered' world
  - About identifying, understanding and explaining causation through generative mechanisms

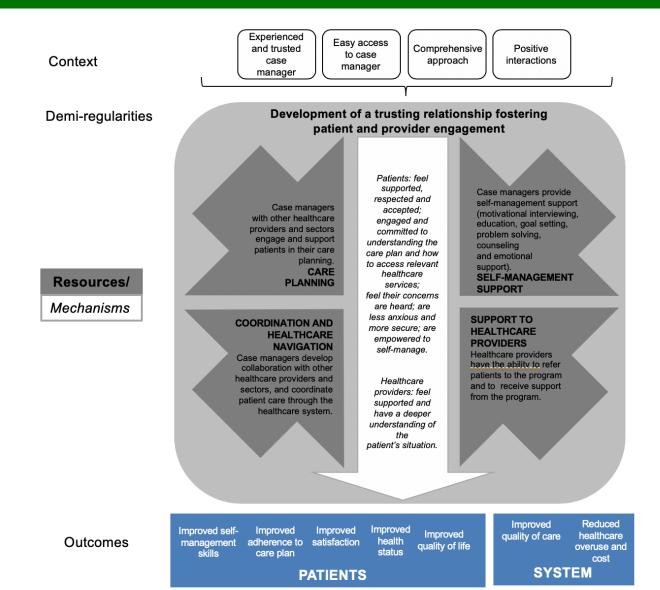


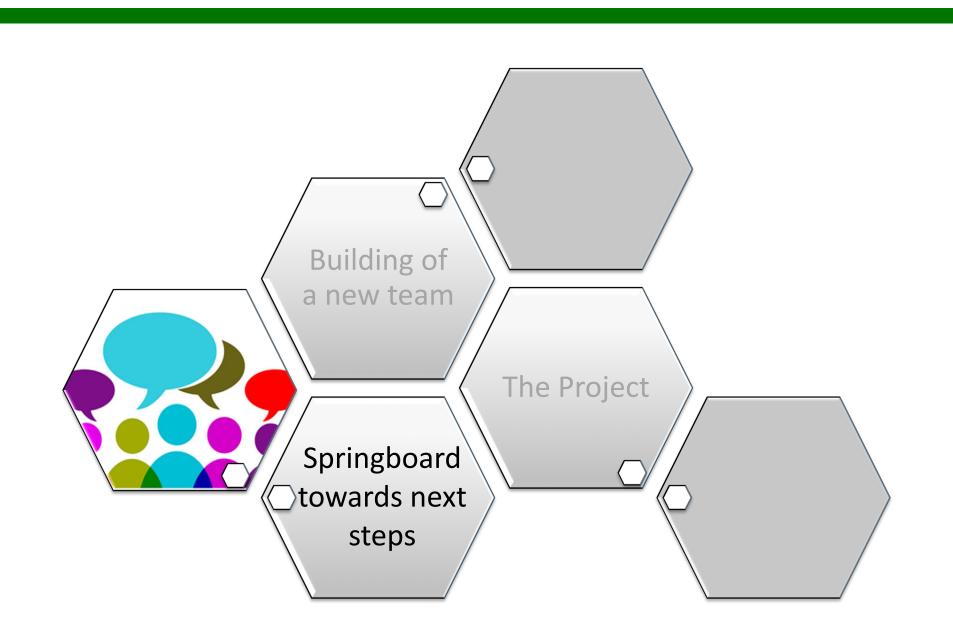
Active participation of patient partners, clinicians and decision-makers on the steering committee



#### Refined Progam Theory

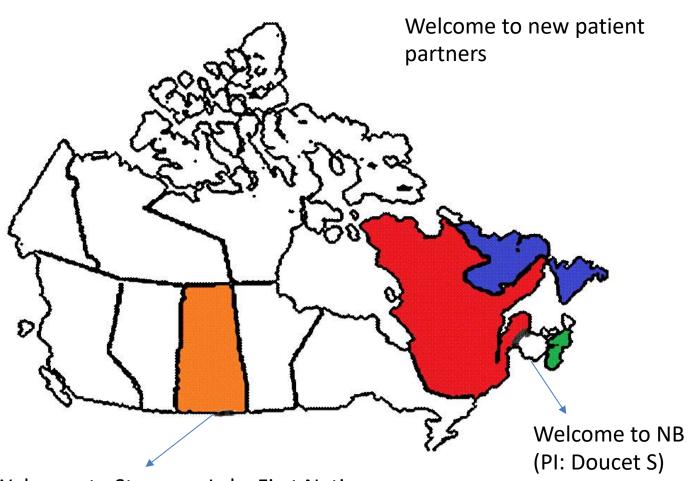
(Ann Fam Med, In Press)







#### Consolidate and expand the team



Welcome to Sturgeon Lake First Nation (PI: Ramsden V)

#### Consolidate and develop new partnerships



Fonds de la recherche en santé







Centre intégré universitaire de santé et de services sociaux de l'Estrie - Centre hospitalier universitaire de Sherbrooke





et Services sociaux







Centre intéaré universitaire de santé et de services sociaux du Saguenay-Lac-Saint-Jean







nova scotia

health authority





Fondation de la recherche en santé du Nouveau-Brunswick

Savoir Avancement Innovation



uébec 🕶 💀





NewToundland

Labrador





À CHICOUTIMI







Faculty of Medicine



MSSU - USSM

UNITÉ DE SOUTIEN SRAP DES MARITIME









Institut universitaire de première ligne en santé et services sociaux (IUPLSSS)







#### **PICHIN Programmatic Grant**

(Hudon et al., BMJ Open 2018)

CM in primary care for frequent users of healthcare services with chronic diseases and complex care needs: implementation and realist evaluations

- Multiple-case embedded study
- Results of our realist synthesis as an initial theory for a realist evaluation
- TRIAGE Method to reach consensus among stakeholders about the next steps forward towards scalability, in light of case study results



#### Leverage effect of PIHCIN







#### How to go further as a network?

Supporting interactions among the 4 teams



Organizing
KT activities
with
stakeholders



Learn from successes, challenges, process, results



#### Thanks for your attention

