



# QI Power Hour

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**Learning Health Systems in Canada:  
What do we Know?**

With Dr. Gary Groot

# TREATY 6 TERRITORY & HOMELAND OF THE METIS

HQC is situated on Treaty 6 Territory and the Homeland of the Métis.

We pay respect to the treaties that were made on this land and acknowledge the harms and mistakes of the past. We are committed to move forward in partnership with Indigenous Nations in the spirit of reconciliation and collaboration.



# Access past QI Power Hour sessions

## Past QI Power Hour webinars (with download links)

Health Networks in  
Saskatchewan (QI Power  
Hour)

Nov 15, 2019 at 9:30 AM



Citizen Science in Public  
Health Policy: Leveraging the  
Power of Ubiquitous Tools

Oct 25, 2019 at 9:30 AM



The Costs of Poverty to  
Saskatchewan: Why Do They  
Matter and How Do We  
Calculate Them? ( QI Power  
Hour)

Sep 6, 2019 at 9:30 AM



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# QI Power Hour Across Saskatchewan



Over  
**60**  
 Companies &  
 Organizations





# QI Power Hour Across Canada



Over  
**80**  
Companies & Organizations



DEER LODGE CENTRE  
*Making lives better*



Holland Bloorview  
Kids Rehabilitation Hospital



uOttawa



CADTH Evidence Driven.





# QI Power Hour Across the World

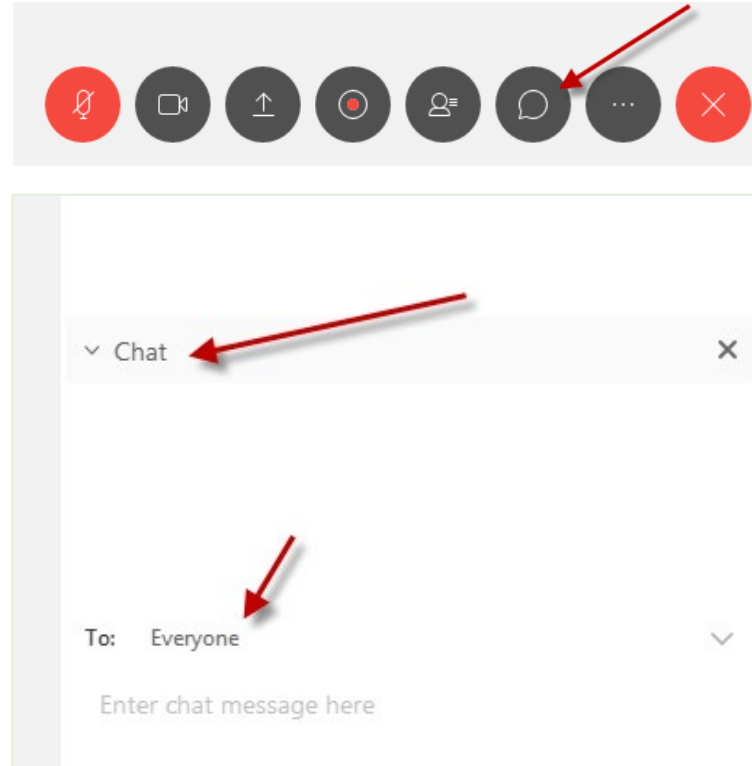




# Webex tool: chat function

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- Click on the message bubble icon to access the chat
- Send to [Everyone](#)







# QI Power Hour

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**Learning Health Systems in Canada:  
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# QI Power Hour

## Learning Health Systems

Gary Groot MD, PhD, FRCSC, FACS

Professor Departments of Community Health and Epidemiology and  
Surgery

Medical Director of Clinical Quality Improvement SHA

# Learning Objectives

- To understand what is meant by Learning Health Systems
- To understand the difference between a Learning Health System and Clinical Quality Improvement
- To learn about the Canadian landscape regarding Learning Health Systems



# Saskatchewan's Clinical Quality Improvement Journey

Health Quality Council 2002

Patient First Review 2009

Appropriateness of Care 2013

SCPOR 2016  
Data/POR

Lean 2008

Intermountain 2011

CQIP program

Learning Health Systems





# Understanding Quality in Healthcare

*"the right care, provided by the right providers, to the right patient, in the right place, at the right time, resulting in optimal care."*

adopted from the CMA



# Dimensions of Quality

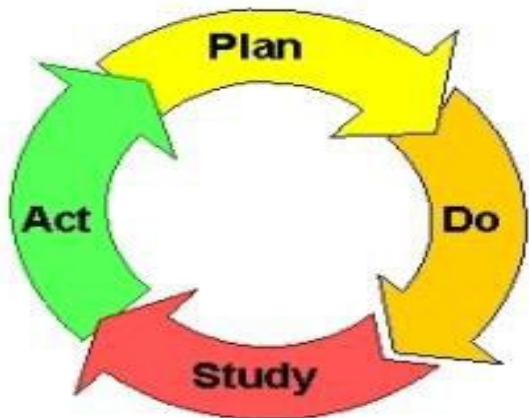
1. Safe
2. Timely
3. Effective
4. Efficient
5. Equitable
6. Patient and Family Centered





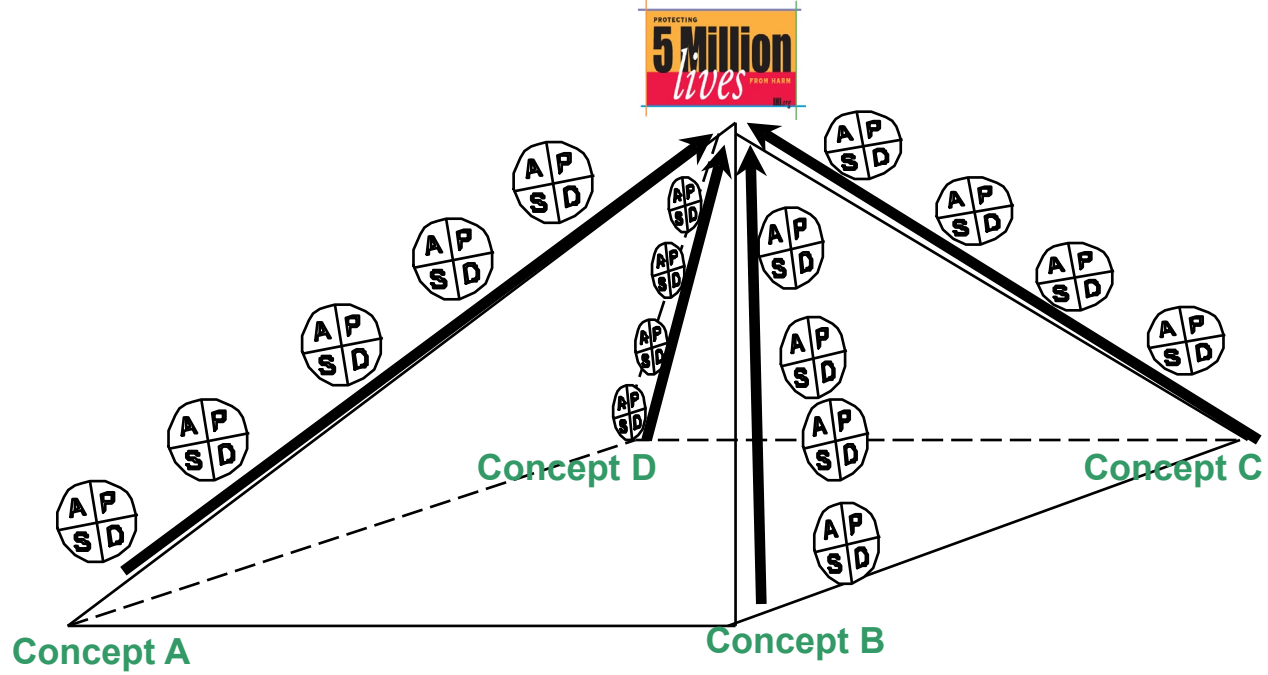
# Model for Improvement

1. What are we trying to accomplish?
2. How will we know that a change is an improvement?
3. What changes could we make that might result in improvement?



Guidelines may contain too many changes; therefore, select one or two to focus on at a time

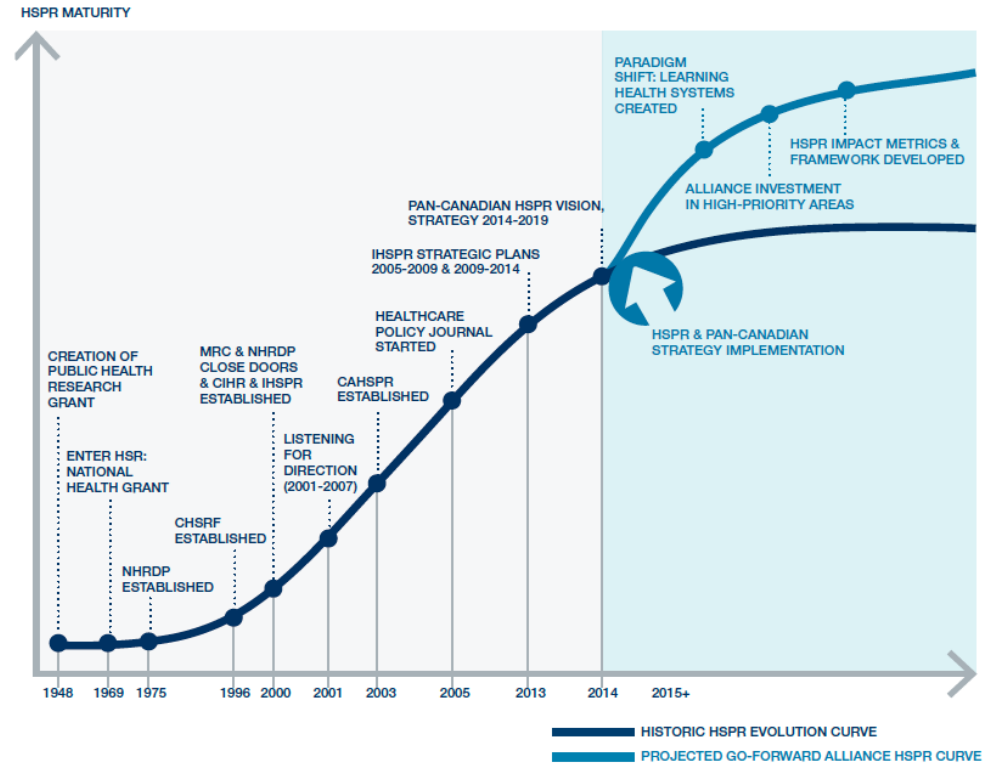
# Multiple Change Concepts for a Single Aim



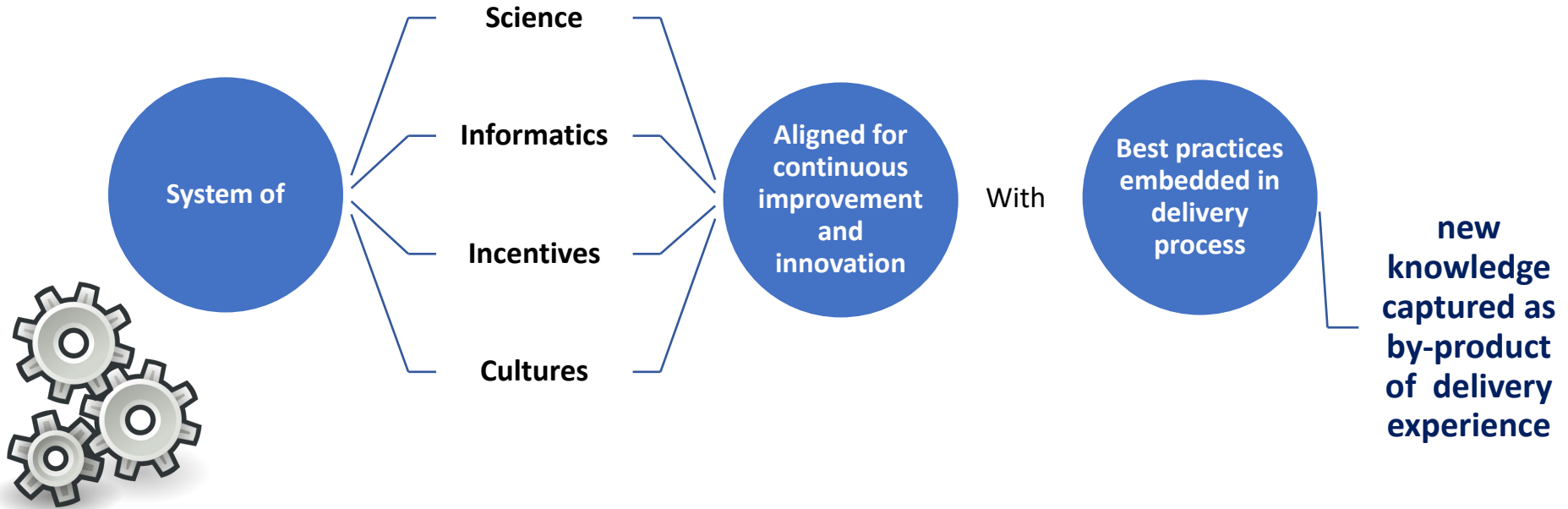
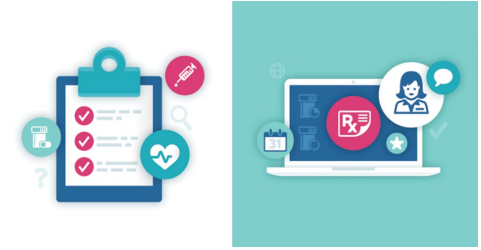
**Change Concepts, Theories, Ideas**

# Strategic Priority 1: The Creation of Learning Health Systems and the Next Generation of Researchers with the Skills to Partner in Health System Learning and Transformation

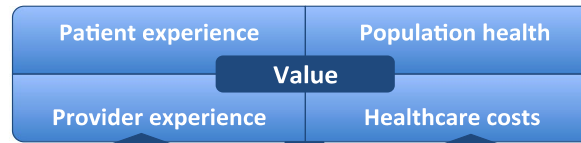
A Pan-Canadian Vision and Strategy for Health Services and Policy Research



# Learning Health System



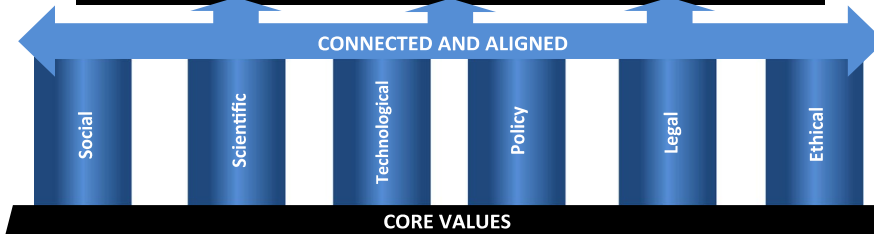
LHS  
OUTCOMES



LHS  
PROCESSES



LHS  
PILLARS

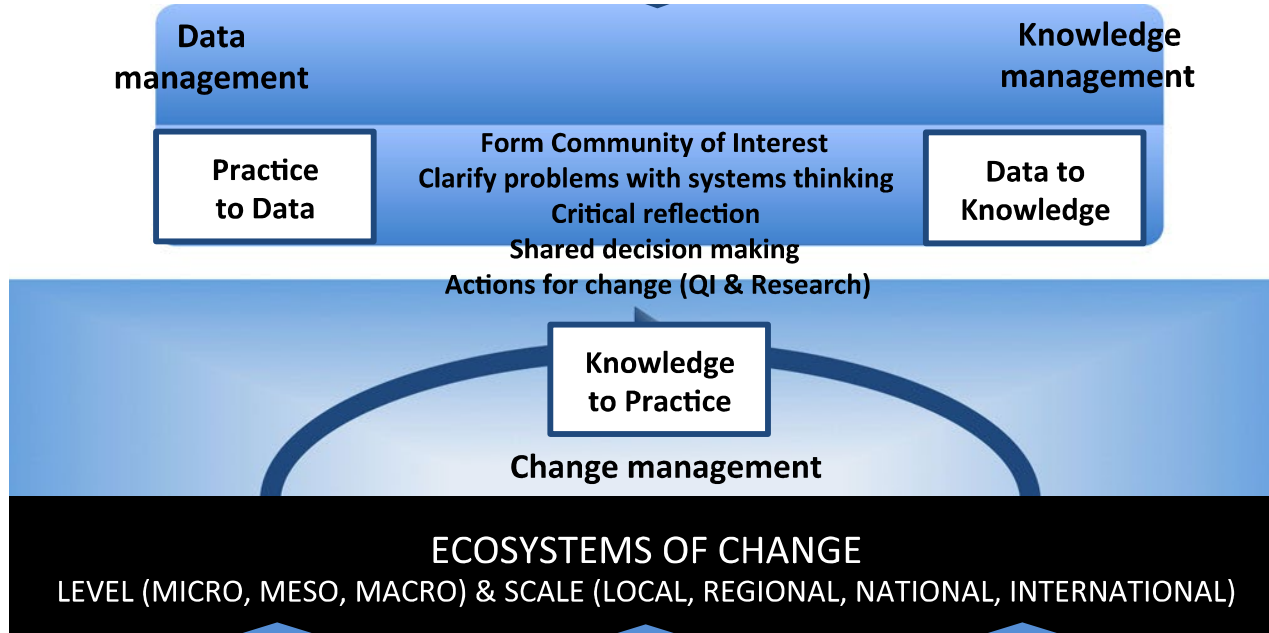


ECOSYSTEMS OF CHANGE  
LEVEL (MICRO, MESO, MACRO) & SCALE (LOCAL, REGIONAL, NATIONAL, INTERNATIONAL)

Fig. 1 Conceptual framework for value-creating learning health systems



# Learning Health System Core Processes



## What is unique about learning health systems?



FIGURE 1 Learning cycle marrying discovery to implementation

Charles P. Friedman

Department of Learning Health Sciences, University of Michigan, Ann Arbor, Michigan, USA





# Learning Health System: Challenges with Implementation

1. Integration within the SHA Organizational Structure
  - a. Embedded research
  - b. Seamless provision of support services
  - c. Data Access
  - d. Decision making
2. Alignment with System Priorities



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Next up...

## Advancing the Healthcare System Using Patient Reported Experience Measures and Patient Reported Outcome Measure

With **Alaa Aburub & Hammed Ejalonibu**

Date October 13, 2023

Time 9:30 am – 10:30 am

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To register, [visit our events page](#)

