

A photograph of a suspension bridge stretching across a deep forest valley. The sun is low on the horizon, creating a warm, golden glow that silhouettes the trees and the bridge's structure. The bridge has a wooden deck and metal railings with chain-link fencing. The perspective is from the bridge, looking down its length towards the horizon.

Knowledge Translation and Exchange Community of Practice

Making KT happen: How to pick a framework that works for you

Dr. Julia E. Moore, The Center for Implementation

November 20, 2018

Roadmap



Introductions





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Defining KT

definitive /di'finitiv/ adj. 1 a clearly defined, not vague definitely adj. (Latter times)

■ **Usage** See note at **definite**

definite article *n.* the (English) preceding a noun a specific instance.

definition /,defi'nɪʃ(ə)n/ **b** statement of the meaning etc. **2** distinctness in a photographic image. [DEFINE]

definitive /di'finitiv/ answer, verdict, etc.) ditional final **2** (of

DISSEMINATION

KNOWLEDGE TRANSFER

KNOWLEDGE TRANSLATION

IMPLEMENTATION SCIENCE

EVIDENCE

KNOWLEDGE MOBILIZATION

DISSEMINATION AND DISSEMINATION

DISSEMINATION SCIENCE

IMPLEMENTATION AND DISSEMINATION

RESEARCH UTILIZATION

EVIDENCE-BASED GUIDELINES

RESEARCH USE

SPREAD KNOWLEDGE TRANSFER

SUSTAINABILITY

KNOWLEDGE MOBILIZATION

SCALE UP

EVIDENCE

DISSEMINATION, RESEARCH USE, DIFFUSION

IMPLEMENTATION QUALITY

IMPLEMENTATION SCIENCE

THEORY

KNOWLEDGE TRANSLATION

KNOWLEDGE UPTAKE PRACTICES

INSTITUTIONALIZATION

EVIDENCE-BASED PROGRAM

PROCESS MODEL

FRAMEWORK

FIDELITY

17 years to get
innovations used
in practice

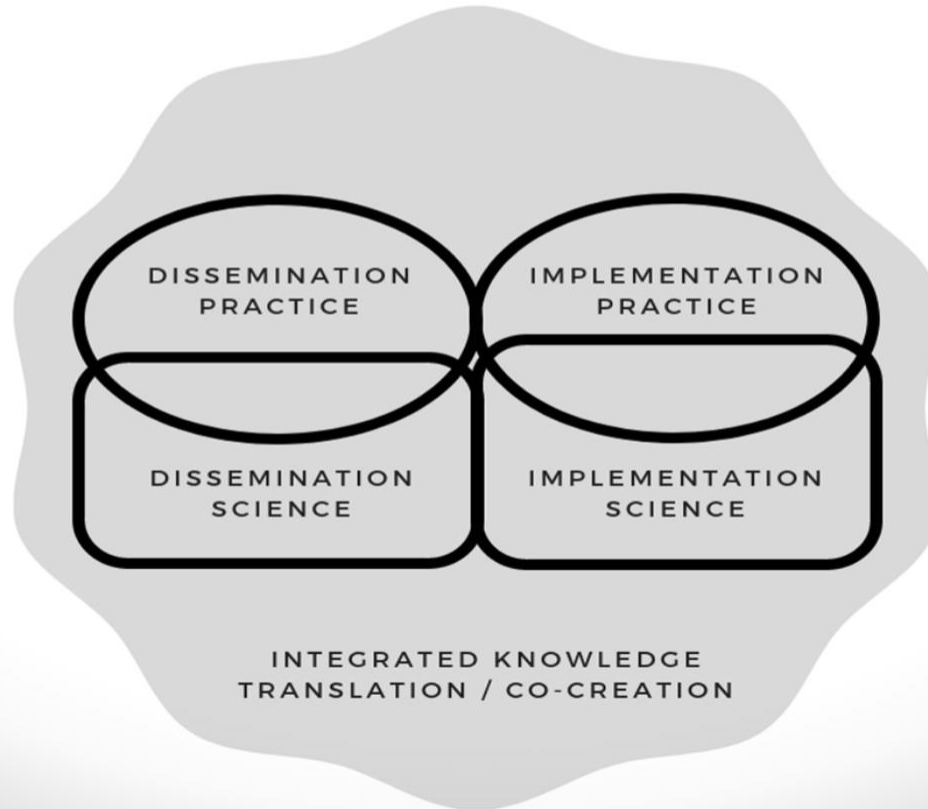
Narrow the gap



Use strategy, not chance



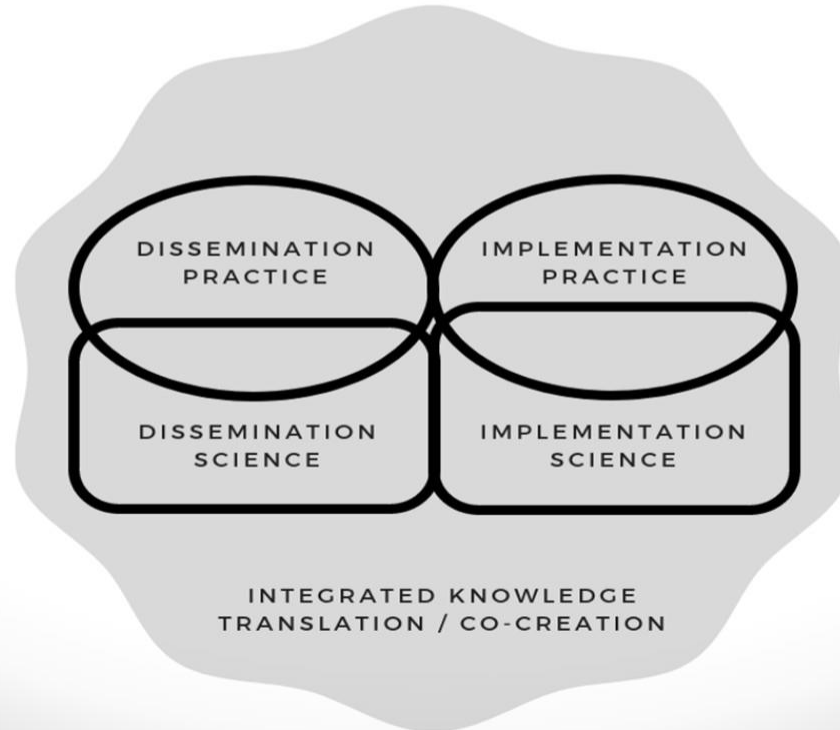
Defining Knowledge Translation



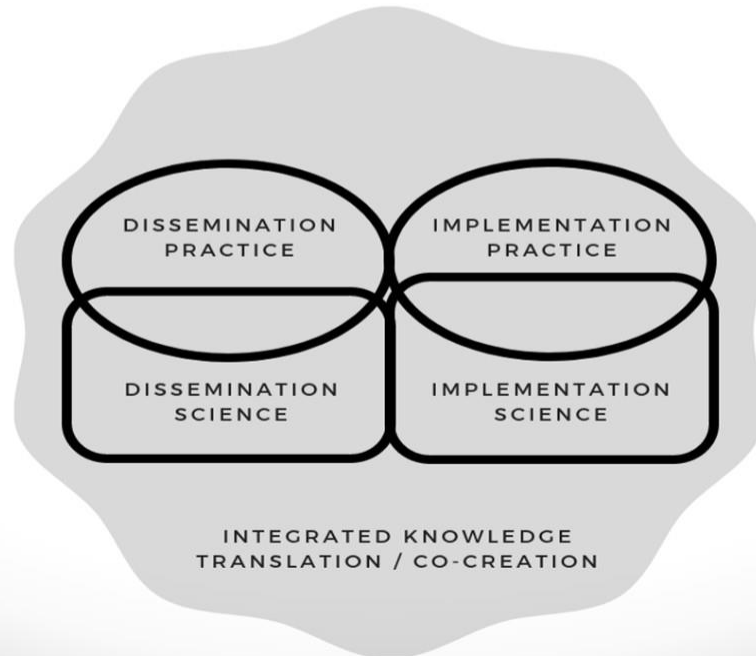
Activity 1



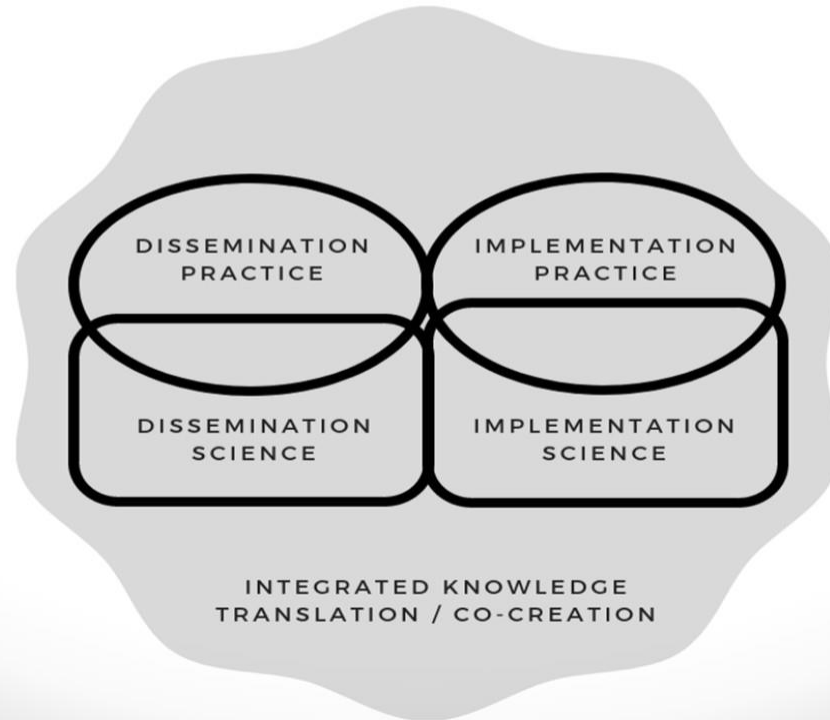
1. Creating a patient panel to prioritize what outcomes are most important to patients.



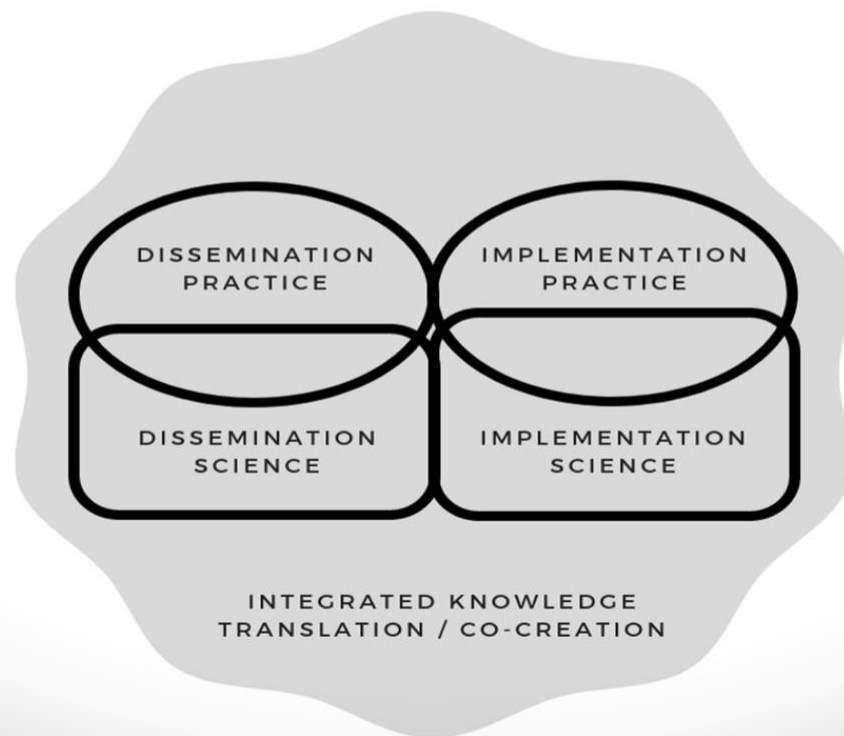
2. A national organization collaborates with the MOH to ensure all hospitals receive access to new guidelines.



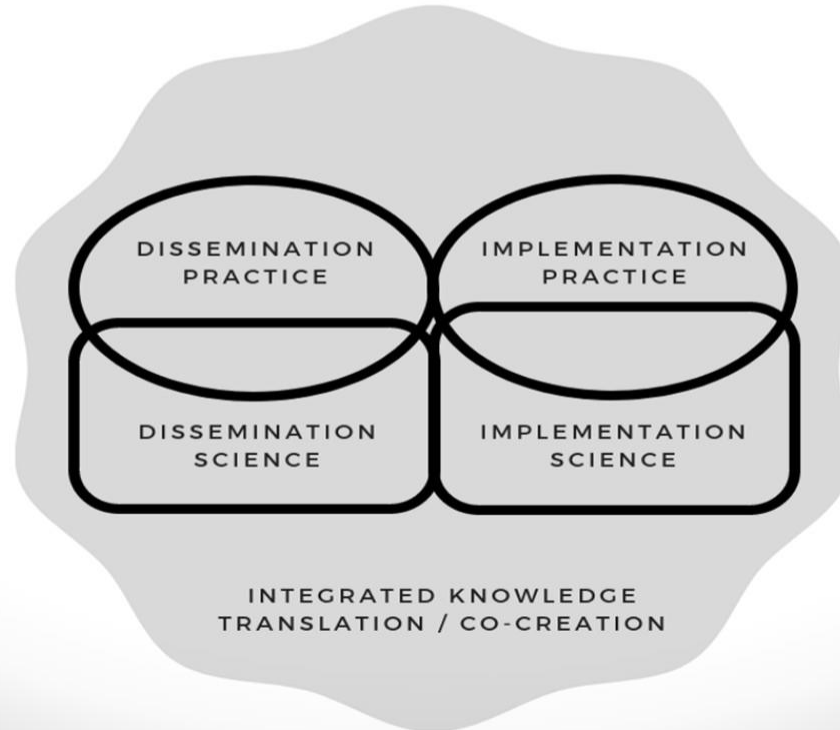
3. Comparing two different policy brief layouts to determine which one policymakers prefer.



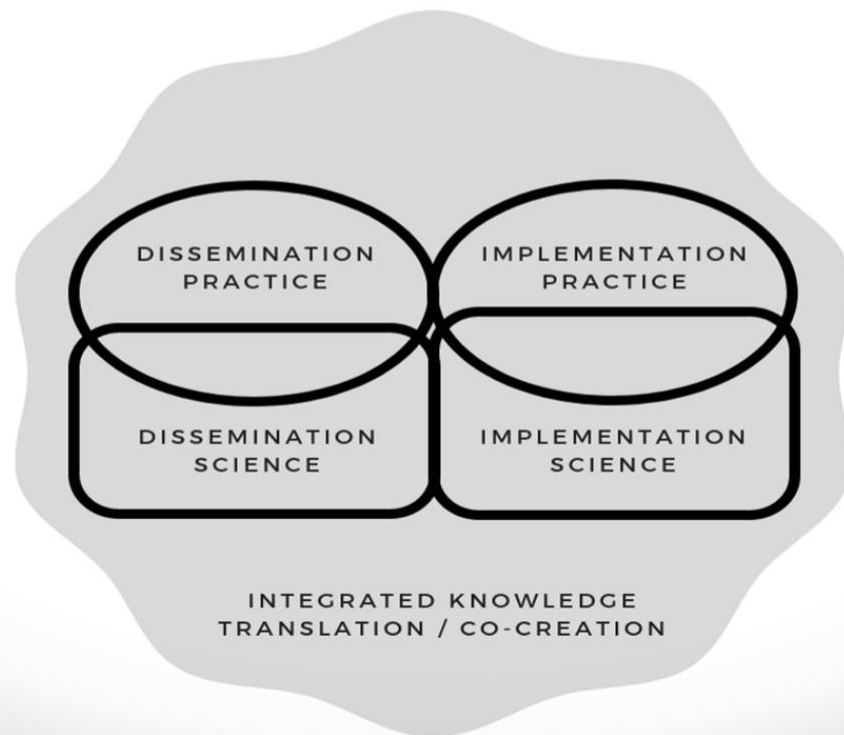
4. A group wants to assess which contextual factors affect the implementation of Big Brothers Big Sisters.



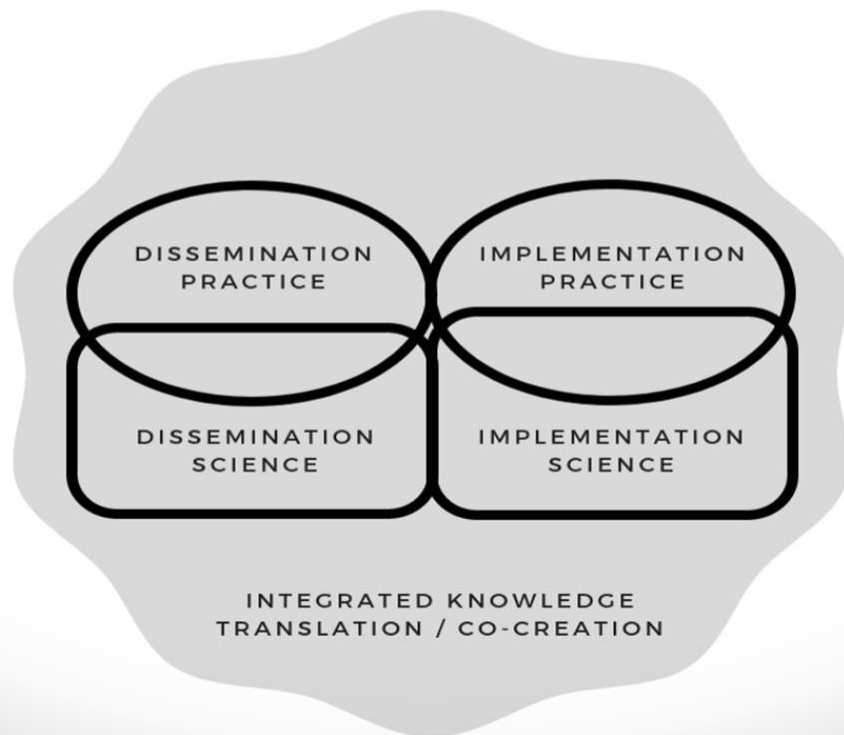
5. An organization uses reminders, education, and champions to implement a new program.



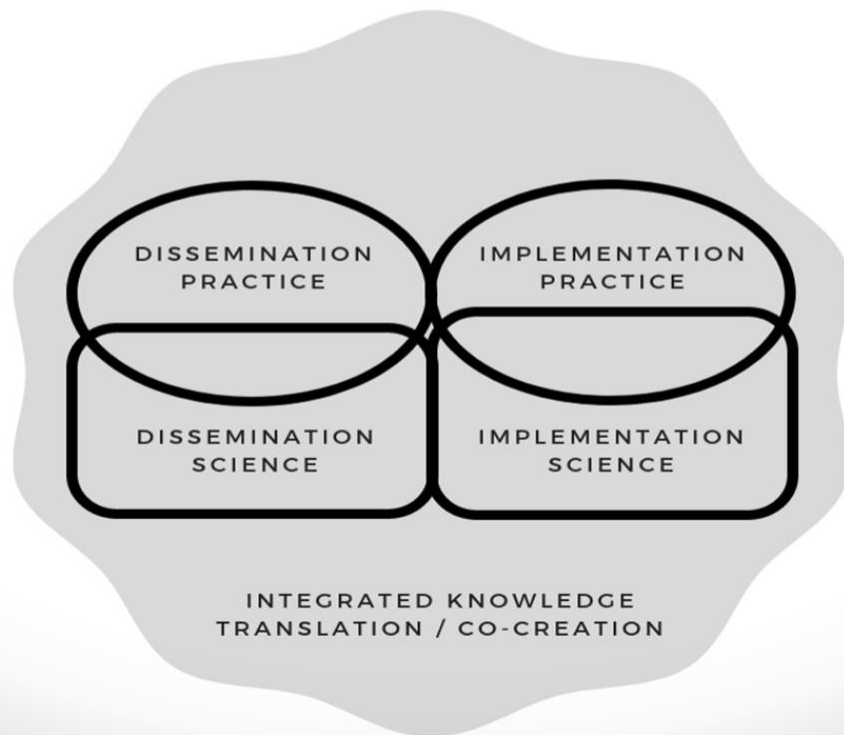
6. Co-creating information sheets to share with clients/patients.



7. Scaling up an effective evidence-based program in new settings.



8. Evaluating how different adaptations impact program outcomes.



Questions?





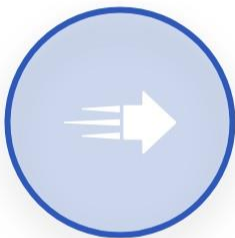
Applying implementation science

What are the foundations of implementation science?



Process model

Specify steps in the process of translating research into practice



Theory

Describe prediction and causal mechanisms



Framework

Explain factors that influence implementation and outcomes

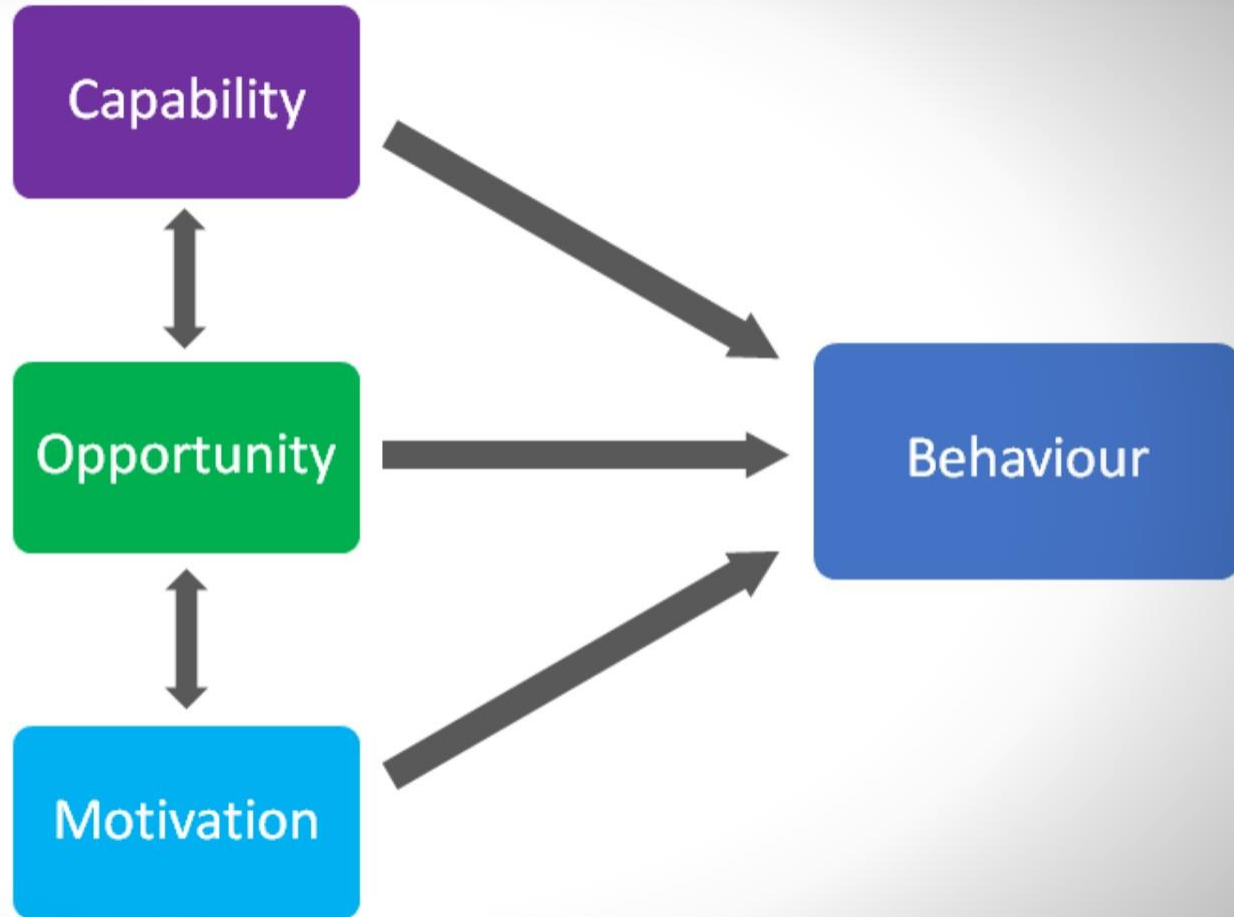


Process Model: Getting to Outcomes



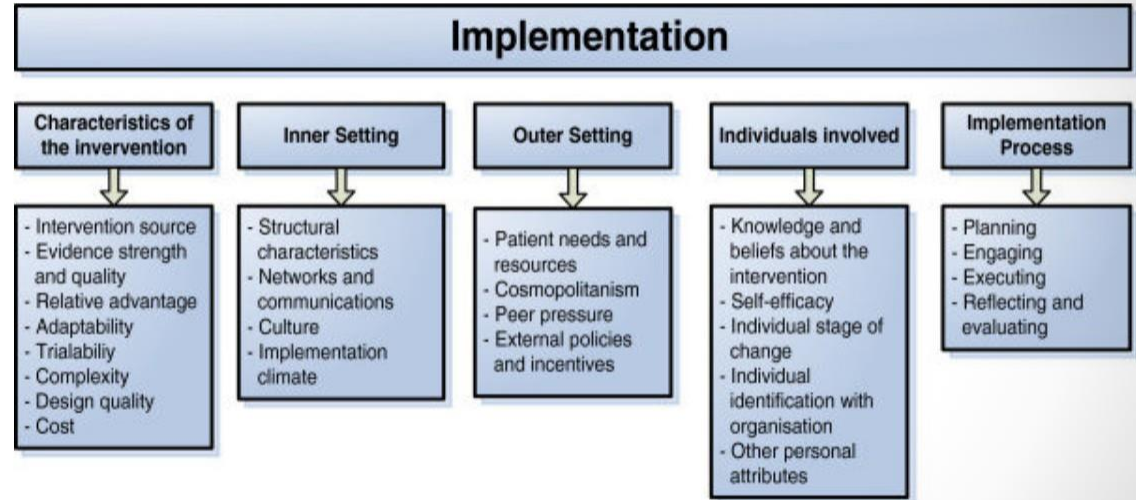
Theory: COM-B

Michie, Atkins, & West (2014). The Behaviour Change Wheel: A Guide to Designing Interventions.



Framework: Consolidated Framework for Implementation Research

Damschroder et al. (2009).
Implementation Science; 4:50.



Why do you use a process model?

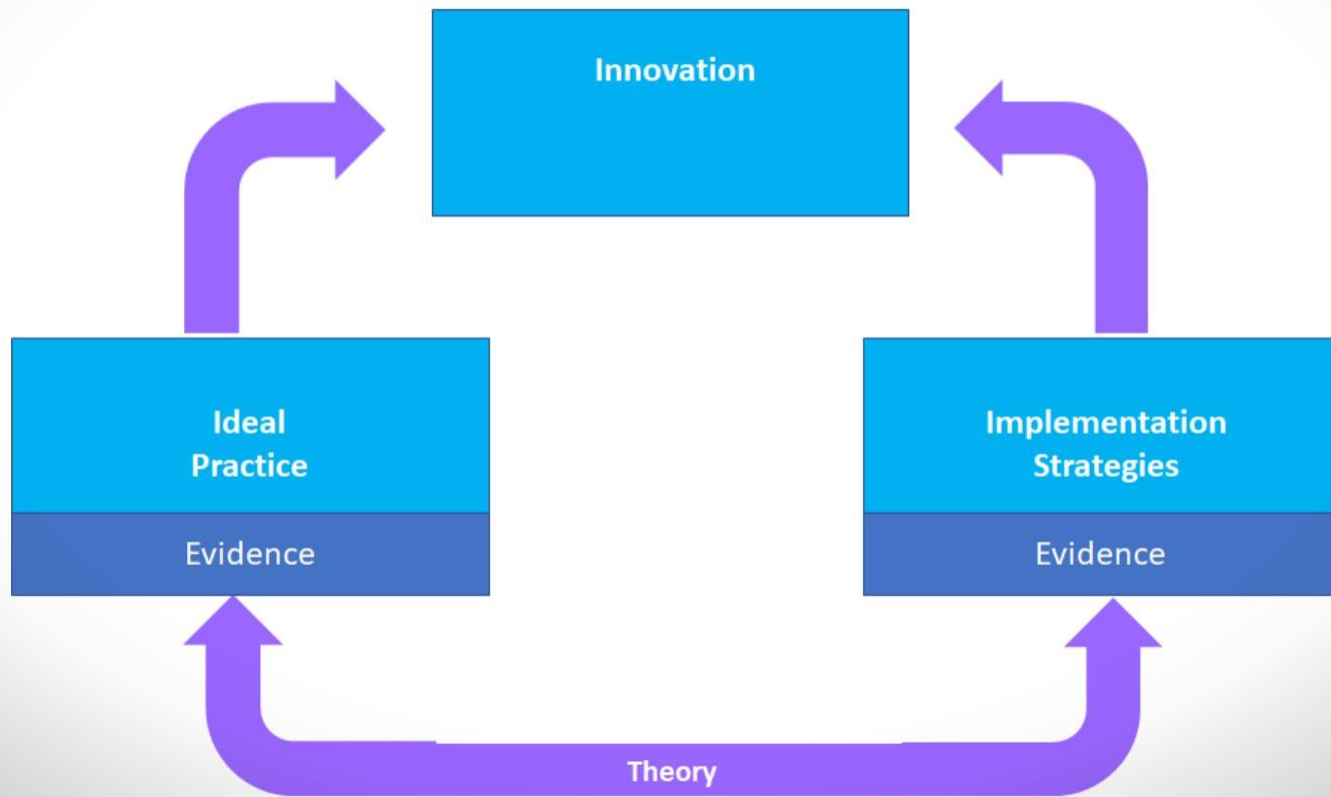
Build program

Guide
Implementation

Process models

Build a program

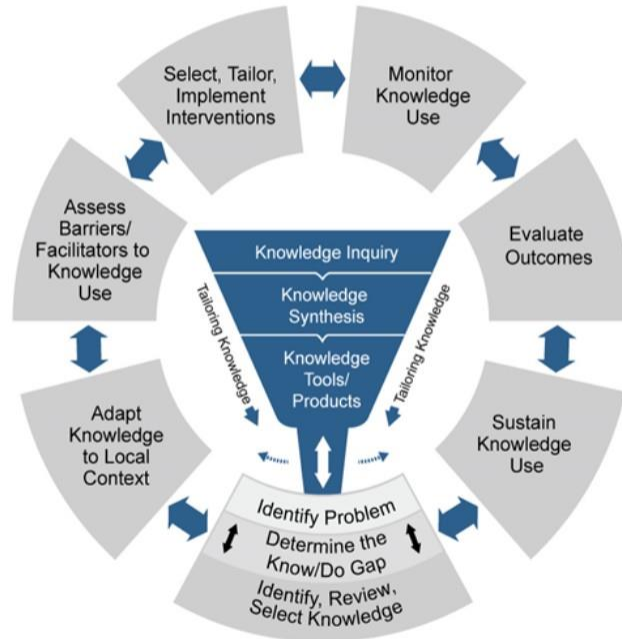
What are you implementing?



Flu vaccine



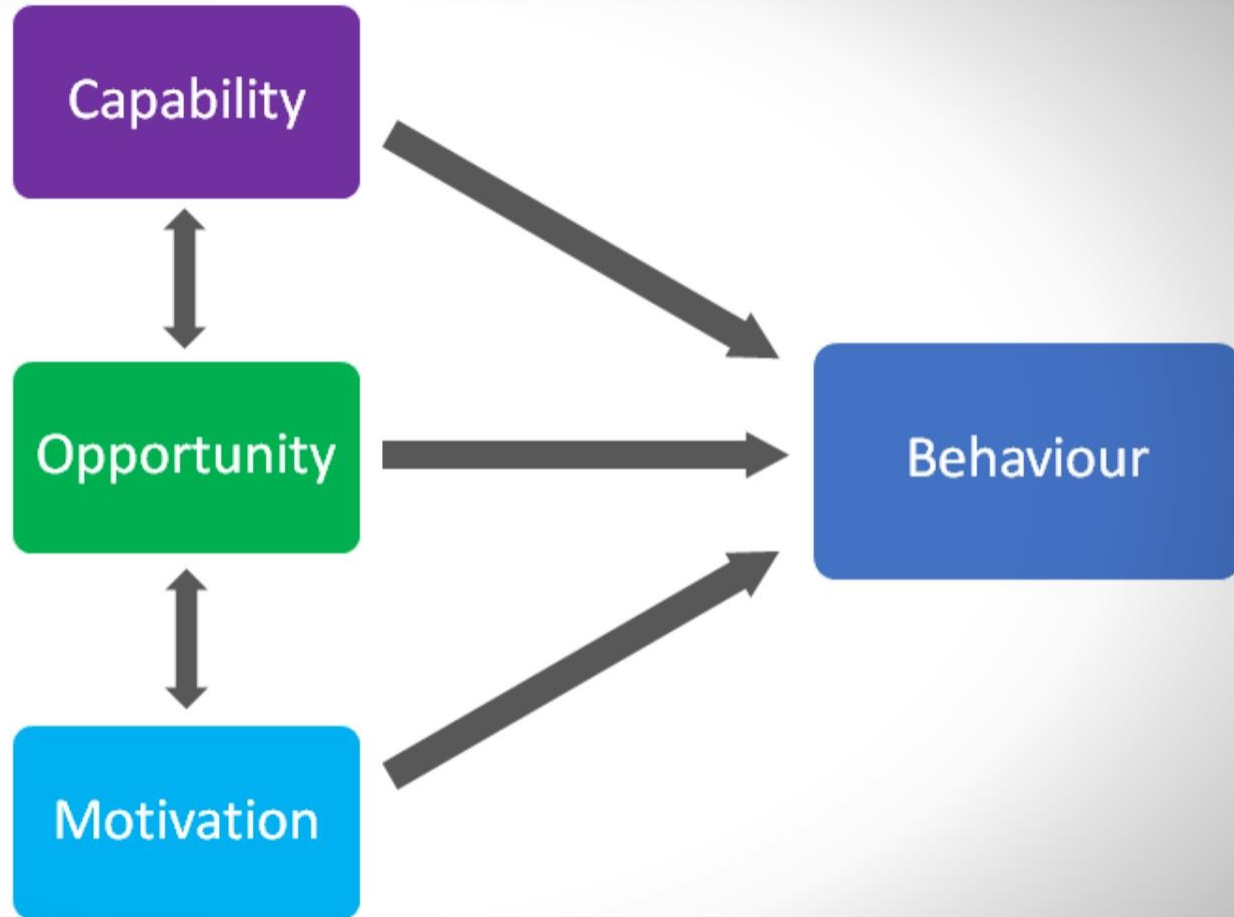
Knowledge to Action



Graham et al. (2006) Lost in knowledge translation: time for a map? J Contin Educ Health Prof.

Theory: COM-B

Michie, Atkins, & West (2014). The Behaviour Change Wheel: A Guide to Designing Interventions.

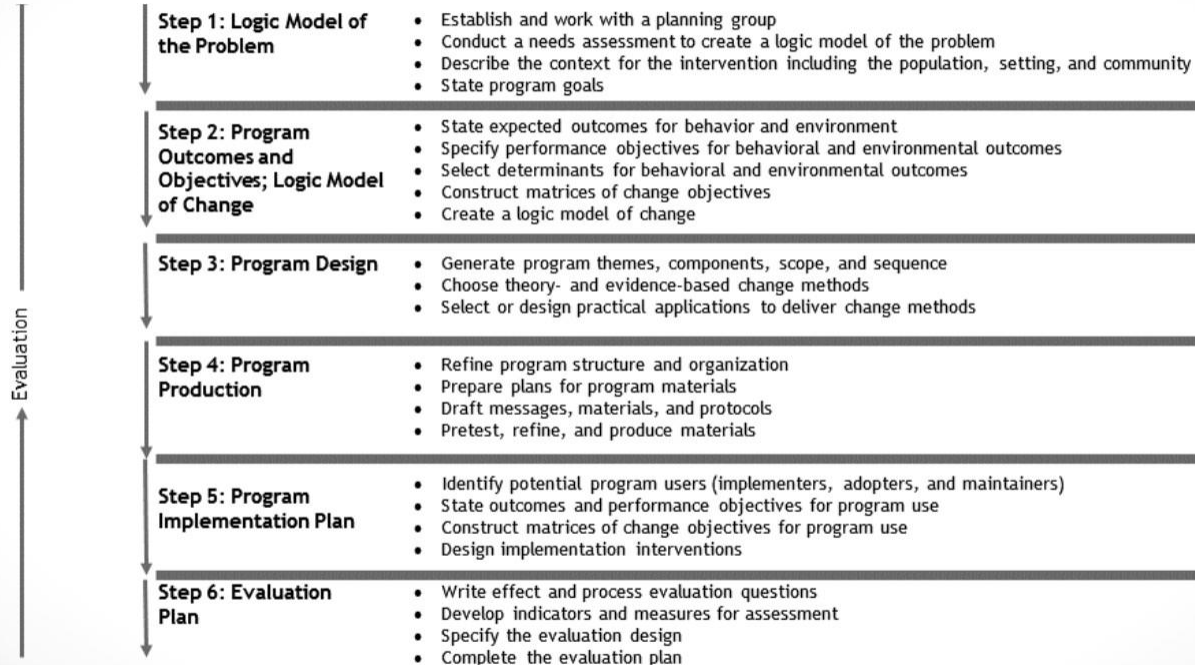


Theoretical Domains Framework



Cane, O'Connor, & Michie (2012). Implementation Science; 7:37.

Intervention Mapping



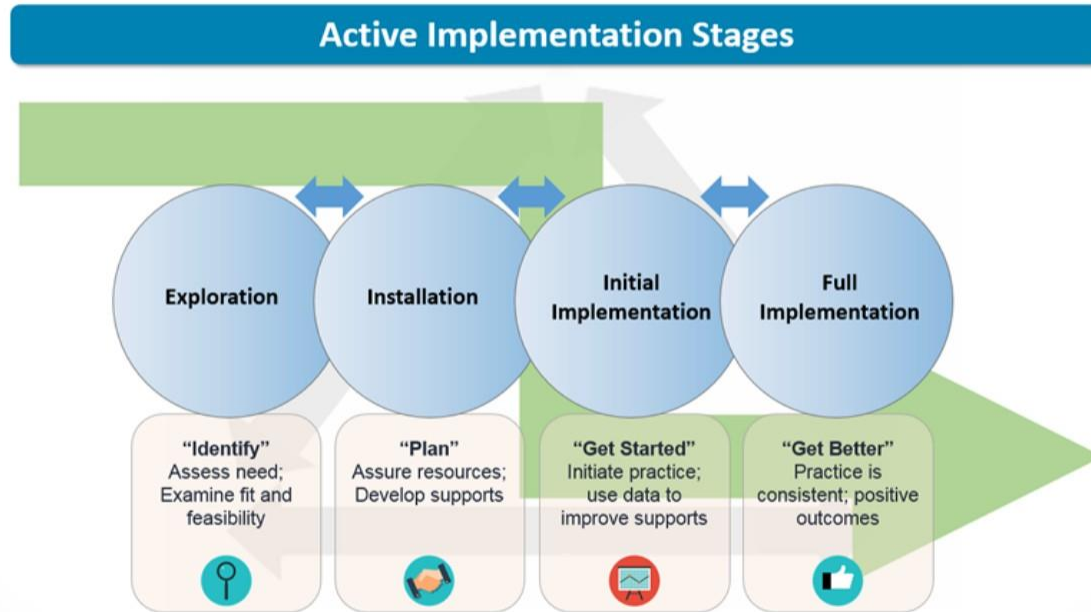
Comparison table: intervention development process models

	KTA Cycle	Intervention Mapping
Source	Healthcare	Psychology
Evidence	Based on systematic reviews	Evaluations of the method
Complexity	Quite complex	Quite complex
Ease of Application	Broad steps are easy to understand, but more challenging to apply	Structured process
Designing and Packaging	Articles and book	Articles and book
Advantages and Challenges	Well-known	Well-known
	Requires training	Requires training
	Requires additional theories, models and frameworks	Can be used with additional theories, models, and frameworks

Process models

Guide Implementation

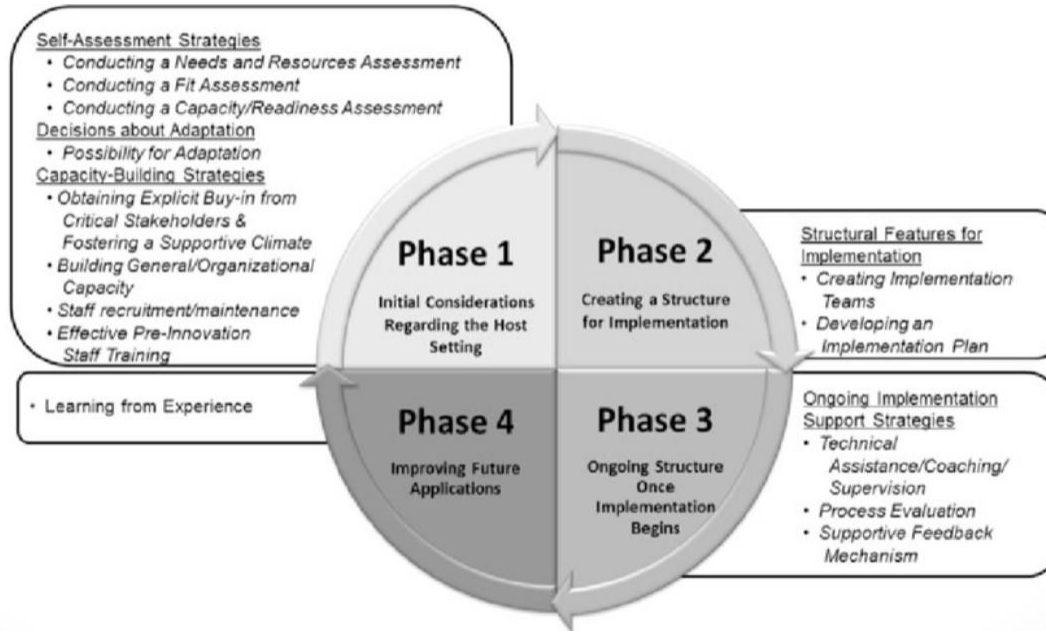
Active Implementation



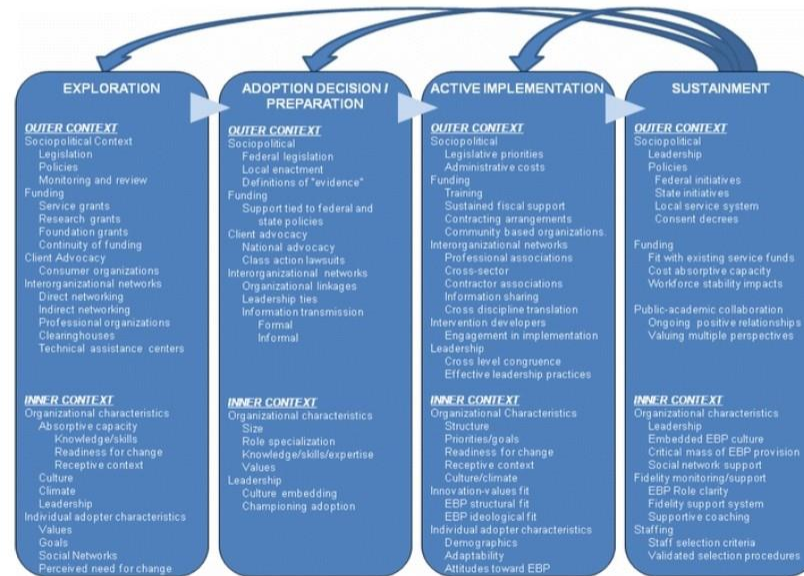
Getting to Outcomes



Quality implementation framework



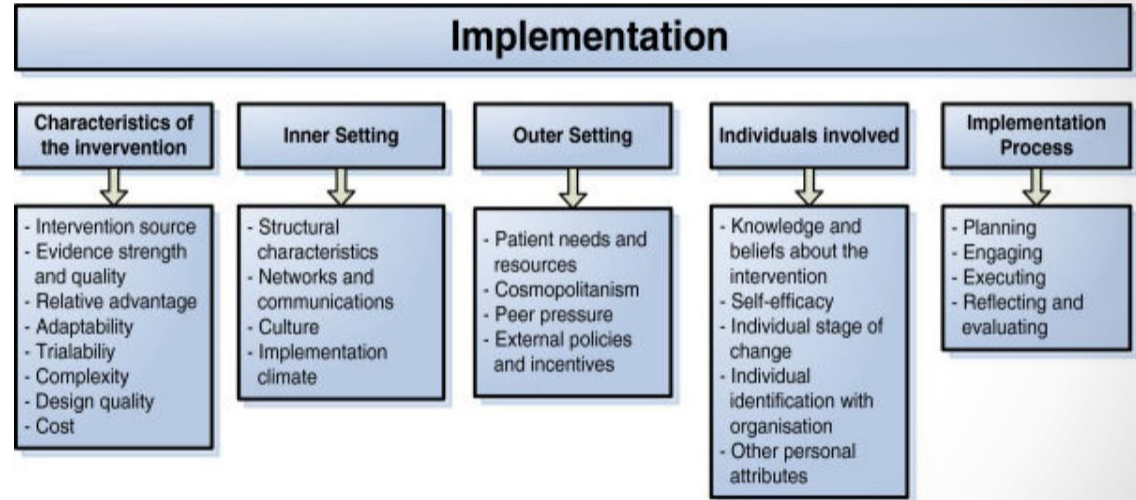
Exploration, Preparation, Implementation, Sustainability



<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3025110/>

Framework: Consolidated Framework for Implementation Research

Damschroder et al. (2009).
Implementation Science; 4:50.



Comparison table: Implementation process models

	Active Implementation	Getting To Outcomes	Quality Implementation Framework	Exploration, Preparation, Implementation, Sustainability
Developed in which field?	Education/Child welfare	Prevention science	Child/Youth mental health	Mental health
Design and Packaging	Online Modules	Resource Manuals	Publication	Publications
Evidence	Experience	Evaluated in RCTs	Based on systematic reviews	Experience
Complexity	Quite complex	Moderately complex	Less complex	High level is easy to understand; details more complex
Ease of Application	More challenging to apply	Several versions with detailed guidance	Easy to apply	More challenging to apply
Advantages and Challenges	Well-known Incorporates frameworks Requires training and support	Well-known Intervention-specific, may require adaptation	Easily followed and understood Requires additional theories, models, and frameworks	Very detailed Can be overwhelming Incorporates frameworks

Activity 2

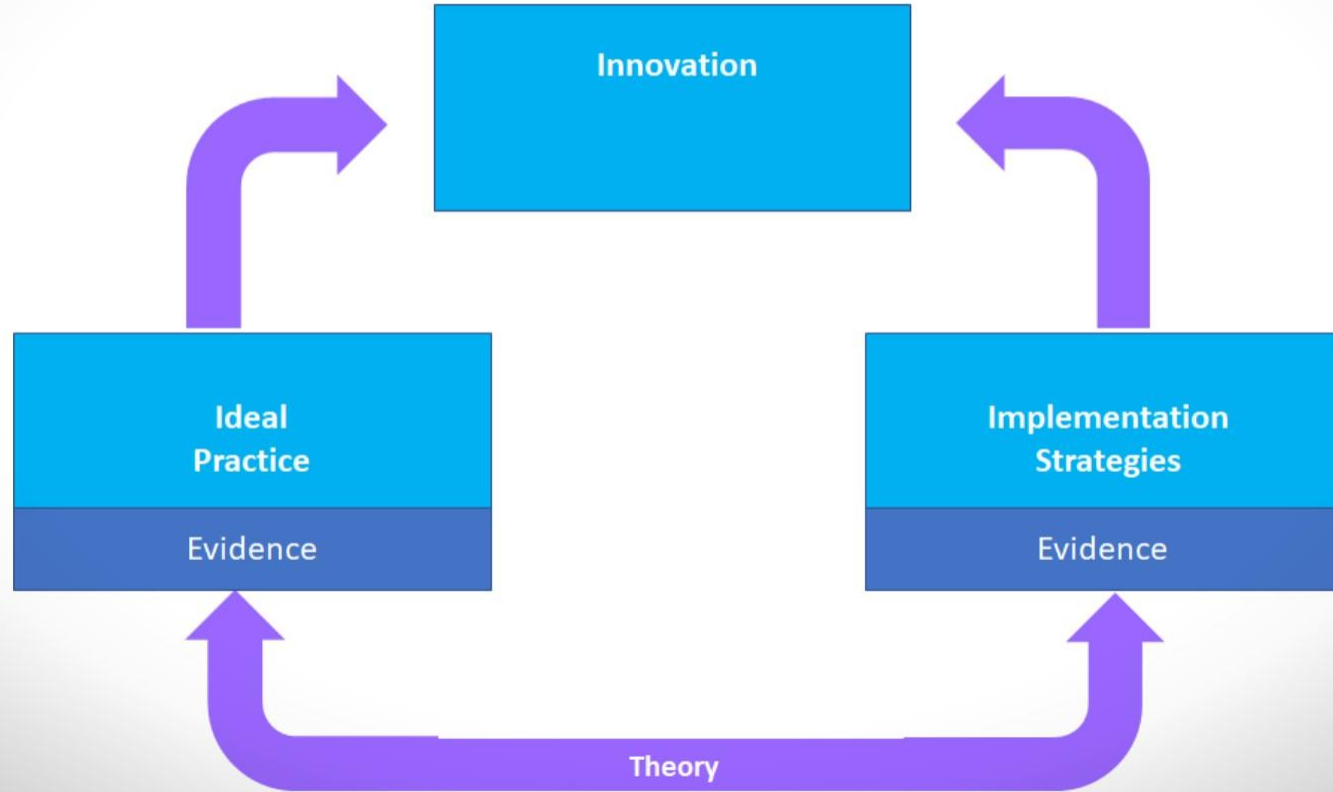


Scenario 1

You work at a community mental health organization that is exploring how to implement a new evidence-based intake process (i.e., providing specific recommendations about how to intake and triage potential clients). This is the first time, to your knowledge, that a Canadian organization has tried implementing this practice, so you are essentially “starting from scratch”. As a large group, discuss:

1. What process models might you consider using at this point?
2. What other options exist?
3. Why would you use a particular process model?

Building a program - Select implementation strategies



Scenario 2

After developing the program, your organization is trying to come up with an Implementation Manual that will guide implementation teams in each community to actually implement the program.

1. In small groups, discuss what process model you might use, thinking about the pros and cons of each process model.
2. Share your selected process model with the large group, including a rationale for why you chose that process model.

Questions?



Theories, Models, & Frameworks

🏠 > Implementation Science at UW > Research > Theories, Models, & Frameworks

Where to start?

One of the cornerstones of implementation science is the use of theory.

Unfortunately, the vast number of tools available in the implementation science toolkit can make it difficult to determine which is the most appropriate to address or frame a research question. There are dozens of theories, models, and frameworks used in implementation science that have been developed across a wide range of disciplines, and more are published each year.

Two recent reviews provide schemas to organize implementation science theories, models, and frameworks and narrow the range of choices:

- [Bridging research and practice: models for dissemination and implementation research](#) (Tabak, Khoong, Chambers, & Brownson, 2013)
Tabak et al's schema organizes 61 dissemination and implementation (D&I) models based on three variables: 1) construct flexibility, 2) focus on dissemination and/or implementation activities, and 3) socio-ecological framework level.

“The explicit application of theory could shorten the time needed to develop improvement interventions, optimise their design, identify conditions of context necessary for their success, and enhance learning from those efforts.”

- Davidoff et al (2014)

<http://impsciuw.org/research/frameworks/>

Socials - Check us out!



"If I had an hour to solve a problem I'd spend 55 minutes thinking about the problem and 5 minutes thinking about solution."
- Albert Einstein

Implementation in Action Bulletin October 2018



Welcome to *Implementation in Action*, a monthly bulletin for implementers and intermediary organizations who are seeking to apply implementation science in a thoughtful and systematic way. *Implementation in Action* includes an introduction to the theme, a Project Spotlight, and links to two resources, an older one and a new one.

- Website

<https://thecenterforimplementation.com/>

- Monthly Implementation in Action Bulletin:

Subscribe at

<https://thecenterforimplementation.com/bulletin>

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The Center for Implementation

Julia Moore

A photograph of a wooden boardwalk or bridge winding through a dense forest. The boardwalk is made of light-colored wooden planks and has a simple wooden railing on both sides. It curves through the trees, which are mostly tall and thin, with some green foliage visible. The lighting is soft, suggesting a shaded forest environment. The text "Next Steps..." is overlaid in white, sans-serif font in the center of the image.

Next Steps...

THANK YOU

