

• Why are you conducting your research? [objectives]

• Who are you conducting your research for?

To conduct useful research: consider stakeholders' questions (policy, owners, managers)

- How do I choose an appropriate [clinical] program given my context?
- How do I implement the [clinical] program?
- How do I adapt and customize the [clinical] program to increase effectiveness (initially and over time)?
- How do I adapt and manage the setting to increase effectiveness (initially and over time)?
- How, why, when and where does it work?
- How can I make it work?













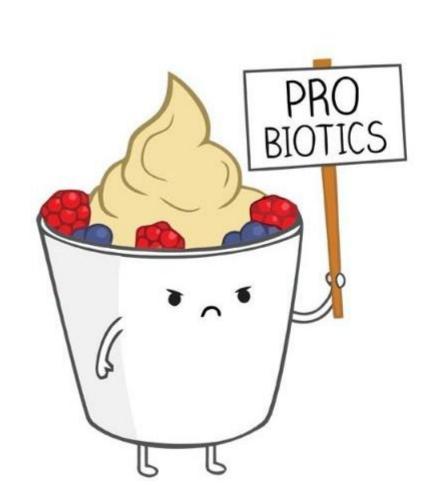






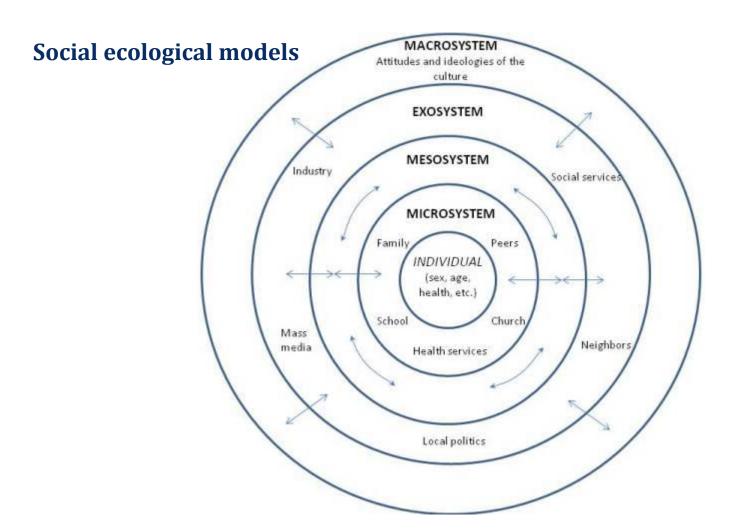
- Do not suppress, ignore or devalue adaptation embrace, study & guide adaptation
- Study sustainment, scale-up/spread, cost analysis, etc.
- Supplement impact with evidence of process (mediators, moderators, mechanisms)
- Enhance partnerships & stakeholder engagement

Importance of stakeholder engagement

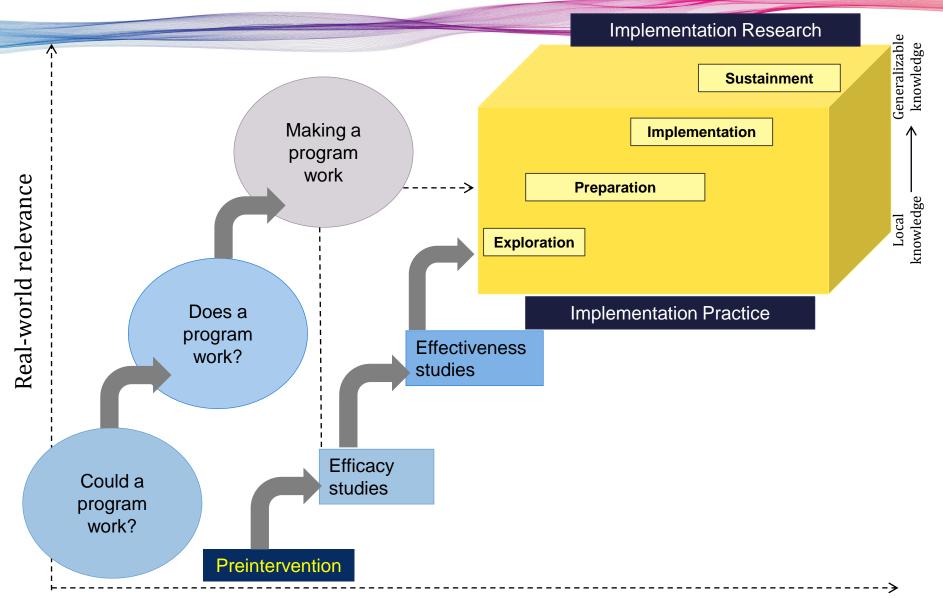




To conduct useful research answer: consider the multilevel nature of change



Traditional Translational Pipeline



How to select/design 'implementable innovations' e.g. professional pharmacy services

- Needs assessment
- Assess determinants of change across contextual levels
- Consider stakeholders and factors that may influence its implementation, sustainability and scale-up
- Stakeholder identification and engagement/support is crucial
- Use collaborative research methodologies and change theories
 - Intervention mapping
 - Community-based (partnered)
 participatory research

- Behavioural change wheel
- MRC guidelines
- IHI breakthrough method

How to design/select an implementation strategy

- Consider the multiphasic, multilevel nature of implementation
- Use an implementation framework, which includes contextual levels
 - **CFIR**: Consolidated Framework for Implementation Research
 - **ISF**: Interactive Systems Framework
 - **EPIS**: Exploration, Preparation, Implementation & Sustainment
 - **GIF**: Generic Implementation Framework
 - FISpH: Framework for the Implementation of Services in Pharmacy
- Models & analyses to study mediators, moderators, mechanisms
- Theory-based process evaluation, realistic/realist evaluation
- Approaches to adaptation

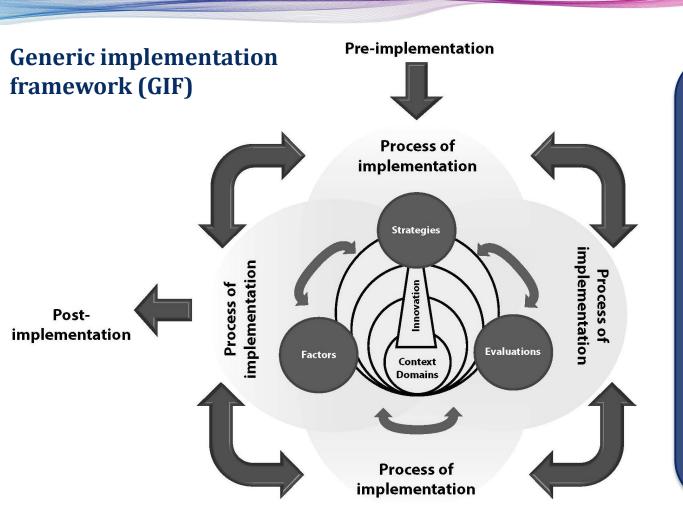
STUDY DESIGN

- Hybrid design
- Roll-out designs

Mixed methods

- Pragmatic
- Participatory action research

To conduct useful research: consider the multilevel nature of change



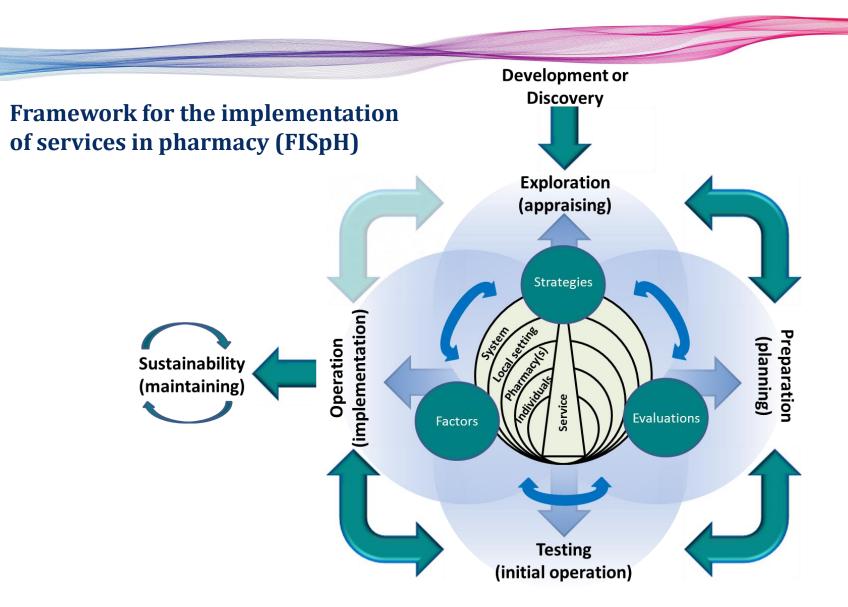
CORE CONCEPTS

Implementation involves

- (1) an innovation,
- (2) a multi-level context,
- (3) a multi-stage process,

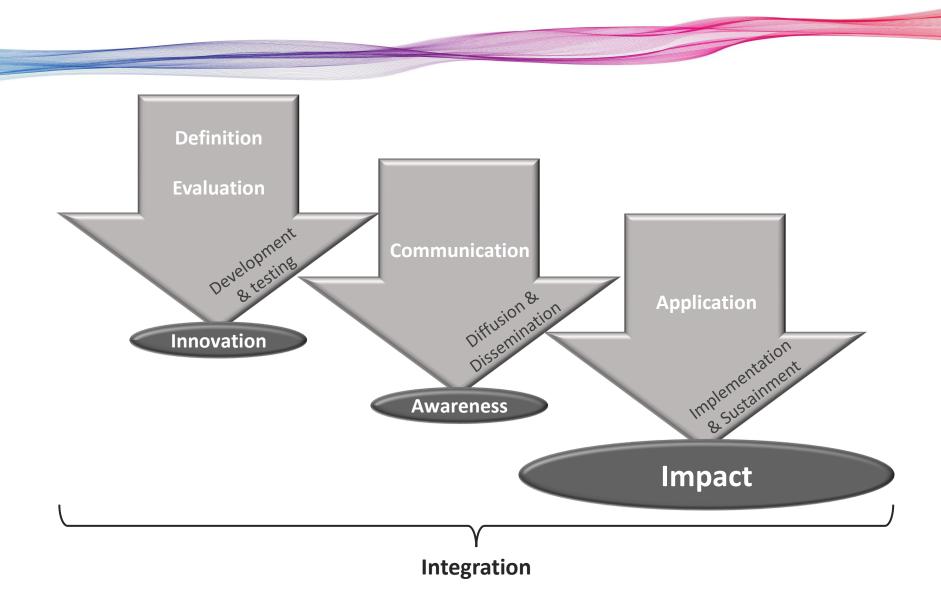
Influenced by a range of

- (1) factors
- (2) strategies
- (3) and evaluations (formative and summative)



Successful implementation generally requires:

- Multi-level, multi-component, partnered strategies
- Guided by extensive planning
- With continuous monitoring, feedback, refinement and adaptation



Hybrid designs

Clinical Effectiveness Research

Hybrid Type I

Test clinical or service outcomes

Observe/gather information on implementation strategy/program

Hybrid Type II

Equally test or study implementation strategy/program AND clinical or service outcomes

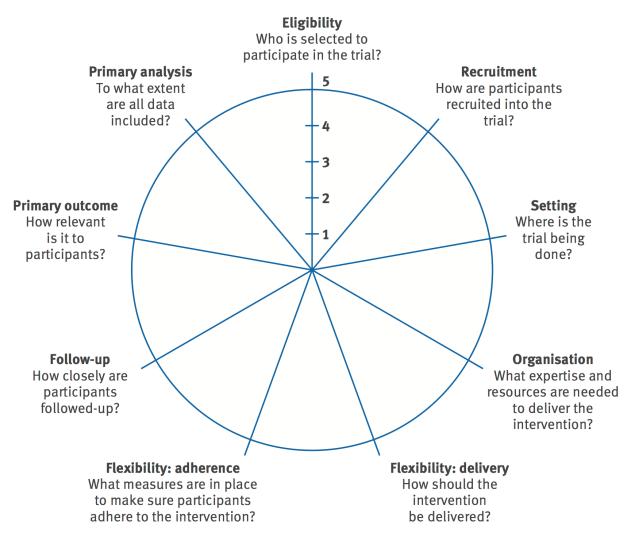
Implementation Research

Hybrid Type III

Test implementation strategy/program

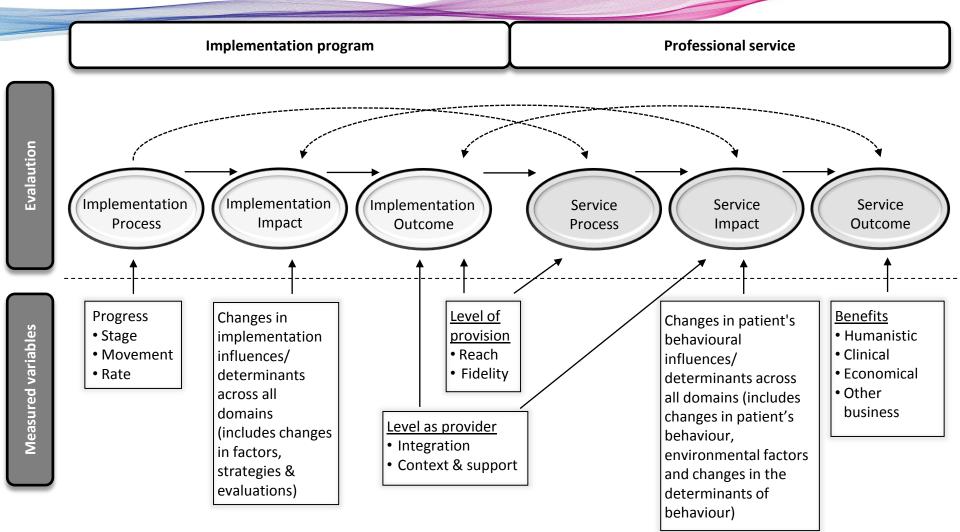
Observe/gather information on clinical or service outcomes

Pragmatic designs: PRECIS-2



	Health services research	Implementation research
Aim	Understand processes and factors associated with health	Understand processes and factors associated with implementation
Intervention	Clinical intervention/program INNOVATION / SERVICE	Implementation intervention/program STRATEGY
Determinants	Health behaviour determinants DETERMINANTS / BEHAVIOURS	Determinants of practice FACTORS / INFLUENCES
End-user	Patient/Client	Implementer

Model for the evaluation of implementation programs & services



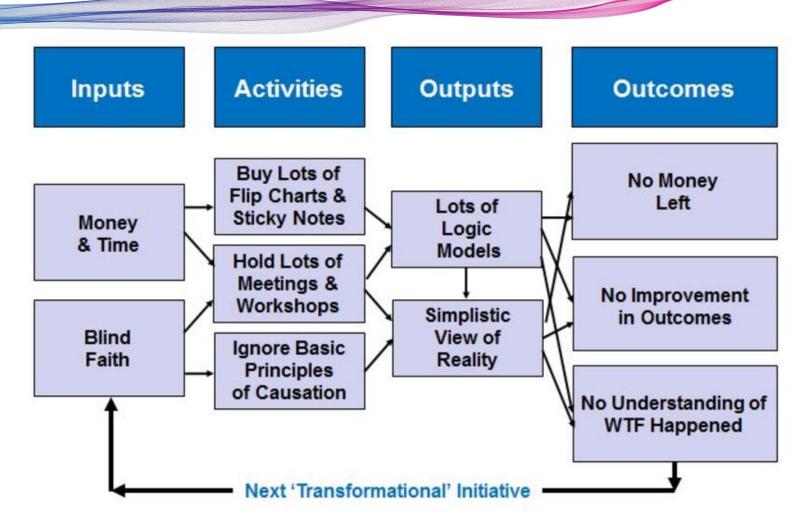
Logic models

1. What is the clinical problem, determinants of the clinical problem (how to change the problem)

-> Clinical innovation/service

What is the implementation problem, determinants of the implementation problem
 (how implementation happens)

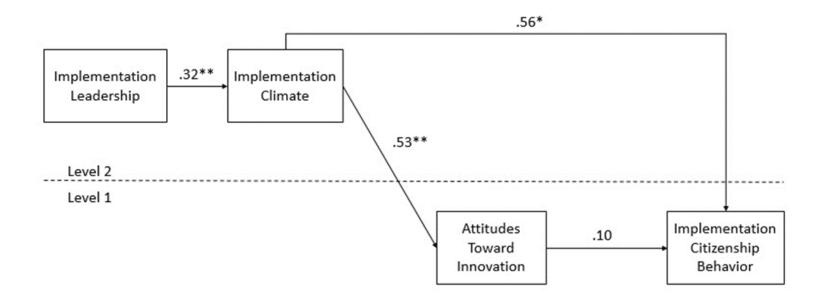
Logic models



Assumptions

Example model

- Ehrhart et al. (2016 SIOP)
- Child welfare sample (275 providers and 54 supervisors from 15 agencies)



What is important

- Develop a model for research
- Select measures for each part of your model
- Consider mixed methods

- Ensure strategies target different contextual levels
 - In following presentation will show an example where,
 - Primarily targeted first level leaders
 - Organisational strategies to achieve buy-in and climate across organisation



