

- Learning to love it!
- Not reinventing the wheel!!

## APPLIED THEORY

CIPRS - EIS 2017 - Sept 15-16, 2017

- *Future theory-driven evaluations ...[to] enhance generalisability and help build a cumulative understanding of the nature of change (Foy, Ovretveit, Shekelle, Provonost, et al, 2011)*
- *Scientific objectives:*
  - *Effective replication*
  - *Accumulation of meaningful knowledge*
    - *Systematically navigate complexity*
  - *Effective use of limited resources*

- **WHAT implementation intervention/s work ...**
  - For what **TYPE** of **EBP** change
- **For WHOM...**
- **In what CIRCUMSTANCES...**
- **In what RESPECTS...**
- **HOW/WHY...**
- ***For what EFFECT/S?***

*[Adapted from Pawson et al, 2004]*

# Challenge and Session Outline

- **Challenge:**
  - *Use theory in a meaningful way*
  - *Evaluate that use*
  - *Collaborate in cross-cutting efforts*
- **Applied Theory Session:**
  - **Examples of actual QUERI-related application**
    - *Part I {general theory, including PARIHS}*
    - *Part II {CFIR}*
  - **Breakout exercises:**
    - *Trainee implementation abstracts*

# Challenge and Session Outline

## ■ Challenge:

- *Use theory in a meaningful way*
- *Evaluate that use/strengths, issues & qualifiers*

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**IN QUERI, NO SINGLE  
THEORY TAKES  
PRECEDENCE OVER  
ANY OTHER**

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- Breakout exercises

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# Theories, frameworks and models: “Theories”

- **Basic concepts [EIS I]**
  - **Review:**
    - *CyberSeminar Series Archives*
    - *Key concepts handout*
- **Terminology**

# APPLIED THEORY

- **WHAT**
  - = SELECTION
- **WHY**
  - = RATIONALE
- **HOW**
  - = DETAILS OF USE
- **TO WHAT END**
  - = USEFULNESS

# The PARIHS DEVELOPMENTAL INITIATIVE [PDI]

Cross-cutting scholarly effort to explore Theory:

1. **PARIHS critical synthesis: strengths/limitations [Helfrich et al., 2010]**
2. **Revised PARIHS and *Guide* [Stetler et al., 2011]:**
  - *clear conceptual and operational definitions*
  - *measurement approaches*
  - *additional practical information about the realities of application*

## 3. PDI Experiential Project :

- *Insights into the What, Why and How of Using theory*

# WHAT THEORY TO SELECT?

## PDI Experiential Findings

- *Most frequently [PDI]?*
- *Within QUERI [PDI/publication]?*
- X?X Preparatory work
  - *Nature of the change*
  - *Nature of potential determinants/influential factors*

# PDI Experiential Project: *Preliminary Findings*

## WHAT THEORIES WERE SELECTED?

- *Most frequently?*
  - *OCM: Krein publication; intranet website (<http://vaww.queri.research.va.gov/ptbri/ocm.cfm>)*
  - *PARIHS: Guide, I.S. publication*
  - *Precede-Proceed: Curran et al. & Brown et al. publication*
  - *Rogers Dol: Krein publication*
  - *CFIR: Dr. Lowery*

# PDI Experiential Project: *Preliminary Findings*

## OTHER THEORIES

### *A SAMPLE CLASSIFICATION OF IMPLEMENTATION-RELATED THEORIES II:*

- *Simpson's TCU model*
- *Social marketing theory*
- *FITT, IT framework*
- *Organizational transformation model*

# PDI Experiential Project: *Preliminary Findings*

## OTHER THEORIES

*A SAMPLE CLASSIFICATION OF IMPLICATION-RELATED THEORIES II:*

- *Simpson's TCU model*
- *Social market*
- *FITT, IT work*
- *Operational transformation*

**MULTIPLE THEORIES**

# WHY USE THEORY/Select a specific theory?

## IN GENERAL:

- Help generalize knowledge
- Capture complexity
- Understand concepts
- Provide direction
- Provide a means to measurement
- Allow for collaboration with other scientists

# WHY/RATIONALE....

## IN GENERAL:

- Help generalize knowledge
- Capture complexity
- **Understand concepts**
- Provide direction
- Provide a method
- Allow for collaboration

*Provided valuable insights into specific concepts of interest*

# WHY RATIONALE ... specifically?

BECAUSE IT MET GENERAL AND SPECIFIC NEEDS TO *FIT/MATCH* ...

- *Previously chosen theory*
- *Views of critical implementation issues*
- *Assessment of clinical practice environment*
- *Interest in certain aspects of implementation*
- *Current implementation strategies*

# WHY SELECT PARIHS?

- **At a macro level:**
  - *Provides insights/guidance regarding/ draws attention to the concepts of E, C, and F (and their potential definition)*

# HOW IS THEORY USED?

## GENERAL/MACRO LEVEL USE:

To provide general directions for inquiry & general planning.

- Provide “general ideas for how to think about implementation ... what factors will likely be important intervention targets”
- Basis for terminology and how operationalize constructs

## SPECIFIC, HOW TO LEVEL:

To guide...

- Assessment/Measurement
- Intervention planning
- Analysis

# HOW IS PARIHS USED?

## GENERAL/MACRO LEVEL USE:

- Influence thinking in general
- Help conceptualize key variables

## SPECIFIC, HOW TO LEVEL

- **Assessment/Measurement:**
  - *Tickler list for foci of qualitative questions*
- **Intervention planning:**
  - *To plan strategies, per Diagnostic analysis of E & C*
- **Analysis:**
  - *Organization of data*

# TO WHAT END WAS PARIHS USED?

- *The group is interested in examining P... and has projects that could provide data.*

# NEED FOR EVALUATION

- **PERCEIVED STRENGTHS:**
  - **PARIHS: Helfrich et al.**
  - **Others theories?**
  
- **PERCEIVED LIMITATIONS:**
  - **PARIHS: Helfrich et al**
    - *REVISED PARISH FRAMEWORK & GUIDE*
  - **Other theories?**

# Challenge

- *Understand the potential of theory and be aware of rationale for calls in the field for its use*
- *Select theory/theories in a meaningful, systematic and explicit way*
- *Evaluate that use and share it with others*  
*[HANDOUT]*
- *Collaborate in cross-cutting theory efforts:*
  - *Standard measurements*
  - *CFIR*

- **WHAT implementation intervention/s work ...**
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