SELECTING, COMBINING, ADAPTING, AND USING FRAMEWORKS FOR PRAGMATIC RESEARCH

Discussion panel:
Amy Kilbourne
Ross Brownson
Russell Glasgow

Moderator:
Borsika Rabin

Colorado
Pragmatic
Research in Health
2020 NATIONAL CONFERENCE

Planning for Real World Impact

ACCORDS
ADULT AND CHILD CONSORTIUM FOR HEALTH OUTCOMES
RESEARCH AND DELIVERY SCIENCE

UNIVERSITY OF COLORADO | CHILDREN'S HOSPITAL COLORADO

Outline

- Welcome and Introduction

- Overview of the session

- Discussion about selecting, combining, adapting, and using frameworks for pragmatic research

- Wrap up and closing remarks

Panelists:

Moderator:

Amy Kilbourne
PhD, MPH
OPENING KEYNOTE ADDRESS

Director of the Quality Enhancement Research initiative (QUERI) in the U.S. Department of Veterans Affairs, and Professor of Learning Health Sciences at University of Michigan. Her goal is to improve public health outcomes through implementation strategies that help providers scale up and spread effective innovations in real-world settings.

Ross Brownson
PhD
PLENARY ADDRESS

Dr. Brownson is the Lipstein Distinguished Professor of Public Health at Washington University in St. Louis. He directs the CDC-supported Prevention Research Center and co-directs the Washington University Implementation Science Center for Cancer Control (supported by the NCI). Brownson studies the translation of evidence to public health practice and policy, with a content focus on environmental and policy determinants of chronic diseases. The author of 15 books and over 550 peer-reviewed articles, Brownson has received numerous awards for his work, including the American Public Health Association's (APHA) Abraham Lilienfeld Award for excellence in teaching and mentoring (2003) and the APHA Award for Excellence (2016).

Russell E. Glasgow
PhD
PRESENTER

Dr. Glasgow is a Research Professor in the Dept. of Family Medicine, School of Medicine, at the University of Colorado, and Director of the Dissemination & Implementation Program at ACCORDS. Dr. Glasgow's research focuses on issues of designing for implementation & sustainability, understanding & assessing adaptations to programs, and development & evaluation of pragmatic models and measures. Glasgow is a behavioral scientist, specializing in the development and assessment of chronic illness prevention and self-management programs. With 15 years of experience in implementation science and over 25 years of experience in intervention and health outcomes research, Glasgow has over 450 peer reviewed publications related to applied research issues, evaluating and enhancing generalizability of research, pragmatic research methods and frameworks, and ways to enhance dissemination and implementation.

Borsika Rabin
PhD, MPH, PharmD
PRESENTER

Dr. Rabin, Assistant Professor at Department of Family Medicine & Public Health at School of Medicine, UC San Diego and co-Director of the D&I Science Center. Rabin is co-lead of the Implementation Core for the Triple Aim QUERI Program at the Denver VA & Implementation Scientist at the San Diego VA. As a member of ACCORDS at the University of Colorado, her research focuses on D&I of evidence-based interventions, adaptations, measurement, & the evaluation and development of interactive, web-based interventions. She designed and developed a number of web-based resources including the D&I Models in Research and Practice (www.dissemination-implementation.org) websites.

Related sessions

Keynote Address - Dr. Amy Kilbourne
"Let's Get Real: Planning Rigorous Pragmatic Health Services Research for Equitable, Real-World Care"

Plenary Address - Dr. Amy Huebschmann
"Planning Pragmatic Research and the Value of Frameworks: using PRECIS-2 as a case example"

A Tour of Frameworks for Planning Pragmatic Research:

- PRISM/RE-AIM (Dr. Russell Glasgow)
- EPIS (Dr. Gregory A. Aarons)
- REP (Dr. Amy Kilbourne)
- Knowledge-to-Action (Dr. Ian Graham)
- Small P Policy Framework (Dr. Ross Brownson)

SO WHICH ONE(S) SHOULD I USE?

Consider these questions

1. What is my research question?

2. What is the scope of my study?

3. What is the purpose of the model in my study?

4. What there key constructs and levels that need to be included?

5. What socioecological level(s) are relevant?

6. Is a single model adequate to guide my study?

7. In what ways does the model need to be adapted?

8. Are measures available?

9. Are examples available?

Chambers, 2014 (Chapter Two) in Beidas & Kendall (eds), OUP; Moullin et al., 2020

Dissemination & Implementation Models
in Health Research & Practice

https://dissemination-implementation.org/index.aspx

This interactive webtool is designed to help researchers and practitioners (1) develop a 'logic model' or diagram for their research or practice question; (2) select the dissemination and implementation (D&I) Model(s) that best fit(s) their research question or practice problem; (3) combine multiple D&I Models; (4) adapt the D&I model(s) to the study or practice context; (5) use the D&I Model(s) throughout the research or practice process - not just on the aims page; and (6) find existing measures to assess the key constructs of the D&I Model(s) selected.

A few key tips to help you navigate the site:

- In this webtool, the term 'Models' is used to refer to both theories and frameworks that enhance dissemination and implementation of evidence-based interventions.

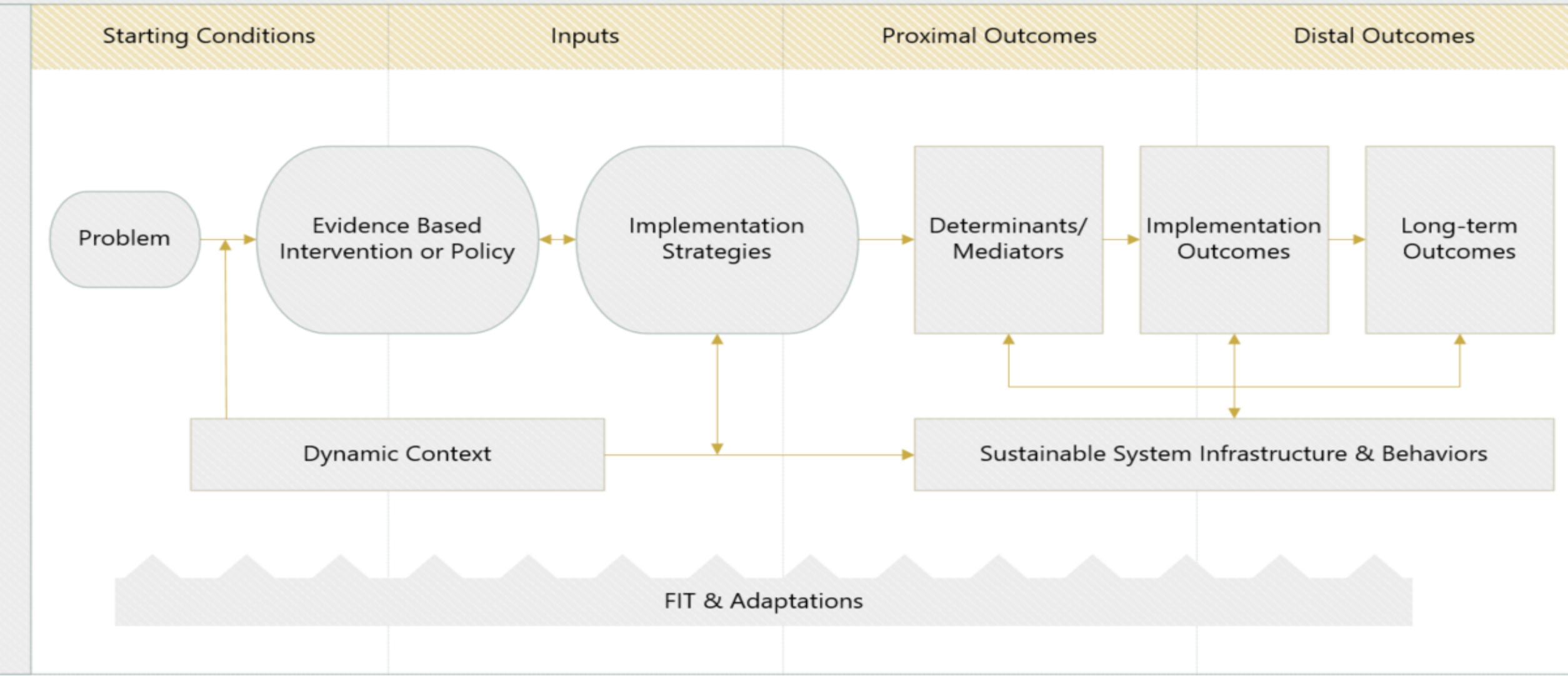- We STRONGLY recommend that you begin with either the TUTORIAL or the PLAN section.

| Plan | Select | Combine | Adapt | Use | Measure |

Logic Model of Implementation Sequence

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Plan
Create a logic model/diagram to identify the most important constructs for your study

Select
Search, view, and select D&I Models

Combine
Consider strategies to combine multiple D&I models

Adapt
Learn ways to adapt D&I Models to your research or practice context

Use
Employ strategies for incorporating

Measure
Find and Select measures of

Home | Resources | Submit Models | About Us

Google

View All D&I Models

Search D&I Models

Plan

Select

Combine

Adapt

Use

Measure

User Name
[   ]

Password
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Login   Register

Search D&I Models

You can search for D&I Models by entering a keyword OR by selecting from the categories below.

Enter keyword for model search: [   ]   Submit Keyword Search

------------------------ OR ------------------------

Dissemination & Implementation Models can be searched using individually set criteria and submitted below.

D And/Or I ⓘ
- ☐ Dissemination Only
- ☐ Implementation Only
- ◉ Any

Socio-Ecological Levels ⓘ
- ☐ Individual   ☐ Organization
- ☐ Community   ☐ System
- ☐ Policy   ☑ All

Constructs ⓘ
- ☐ Acceptability/feasibility   ☐ Adaptation and evolution
- ☐ Adopter/implementer/decision maker characteristics   ☐ Adoption
- ☐ Awareness   ☐ Dose
- ☐ Development of an intervention   ☐ Goals
- ☐ Barriers and facilitators   ☐ Champion/field agent
- ☐ Communication   ☐ Communication channels
- ☐ Compatibility   ☐ Complexity
- ☐ Context   ☐ Context - Inner setting

Dissemination & Implementation Models
in Health Research & Practice

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Plan	Select	Combine	Adapt	Use	Measure

WORKSHEET #1: SELECTING, COMBINING, ADAPTING, USING, AND MEASURING PRAGMATIC RESEARCH PLANNING FRAMEWORKS

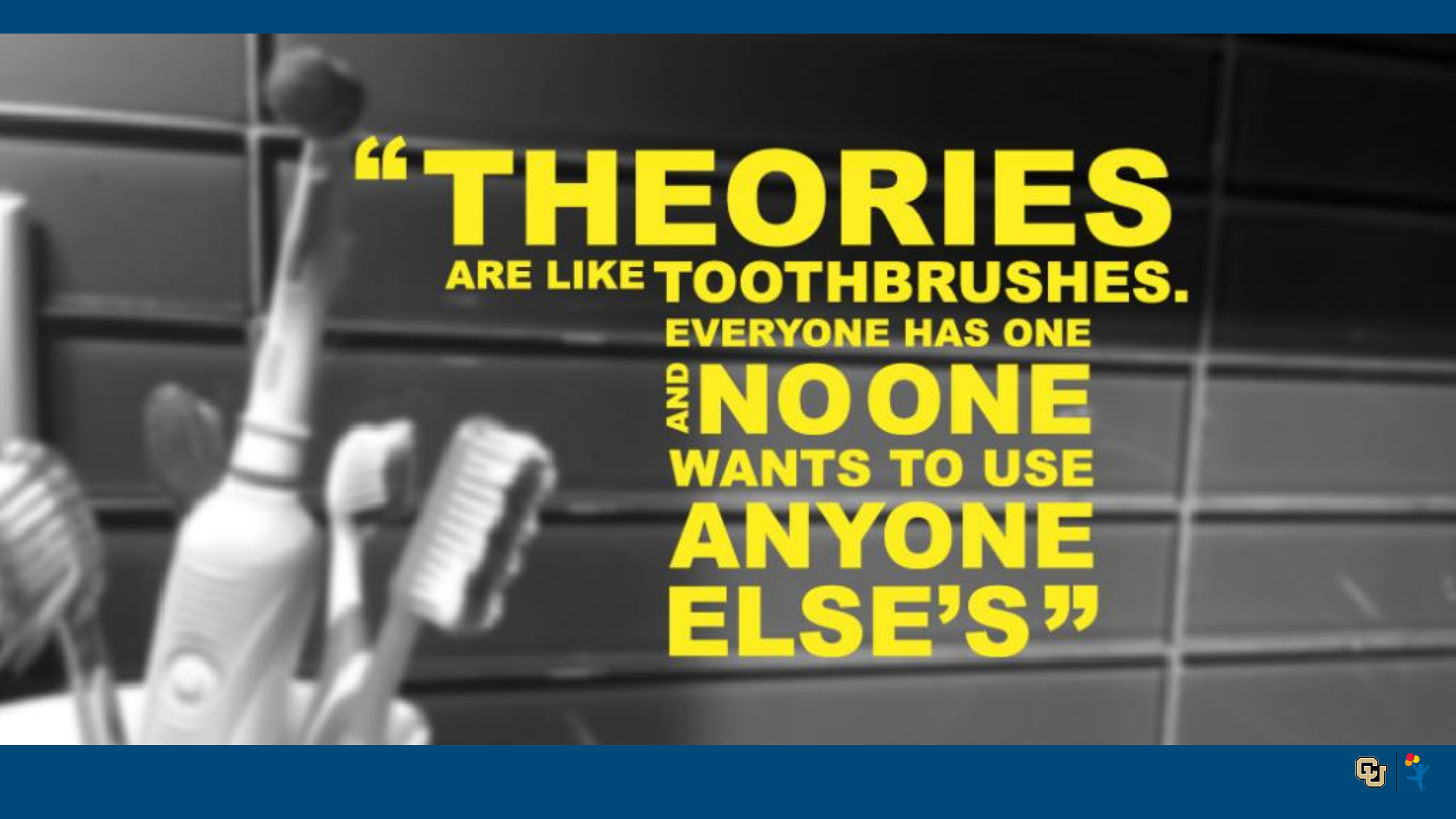## Use this worksheet with the following sessions:
Day 1 Opening Keynote and Plenary Planning Pragmatic Research
Day 1 Tour of Frameworks for Planning Pragmatic Research
Day 1 Discussion Forum, Frameworks for Planning Pragmatic Research: How to Select, Combine, Adapt, Use, and Measure

1. What pragmatic research planning frameworks reflect levels of change and contextual or setting characteristics relevant to your research? Tip: Visit dissemination-implementation.org to explore frameworks.

2. How might the selected framework(s) guide the <u>process</u> of planning pragmatic research – such as engaging stakeholders, identifying settings for conducting research, adapting and refining interventions and study protocols, and establishing implementation, dissemination, and sustainability plans?

3. How might the selected framework inform the <u>outcomes</u> and measures (including intermediate or process outcomes, mechanisms of change, or determinants/factors related to implementation) to be studied?

4. Selection of models and frameworks to guide your pragmatic research plan can be informed by a logic model or diagram that highlights the health issues, activities, and constructs in your project. For guidance on creating a logic model visit the Plan section of the D&I webtool where useful videos, worksheets, and examples are provided: https://dissemination-implementation.org/content/plan.aspx

5. Do you need to combine frameworks? There are many occasions when selecting just one model will not address all your needs for guiding the planning, design, implementation, and evaluation activities. Nilsen classified D&I models into five broad categories based on their primary purpose: process models, determinant frameworks, classic theories, implementation frameworks, and evaluation frameworks. When one model does not suffice, you might decide to select multiple models and combine them. Helpful guidance on how to combine models is included in the Combine section of the D&I Models webtool: https://dissemination-implementation.org/content/combine.aspx

6. Do you need to adapt frameworks? Bear in mind, there is likely no comprehensive model that will perfectly fit your study, so it may be necessary to further adapt the model or models you identified for your study. Learn more about strategies and considerations to adapt models in the Adapt section of the D&I Models webtool: https://dissemination-implementation.org/content/adapt.aspx

"THEORIES ARE LIKE TOOTHBRUSHES. EVERYONE HAS ONE AND NO ONE WANTS TO USE ANYONE ELSE'S"

Q&A WITH OUR PANEL

THANK YOU!

"Essentially, all models are wrong, but some are useful."

George E.P. Box 1919 – 2013