ISC$^3$I Resources & Community of Practice

Dennis Li, PhD, MPH

Implementation Science Coordination, Consultation, & Collaboration Initiative
ISC$^3$I Aims

Support high-quality implementation science (IS) in funded *Ending the HIV Epidemic* projects by providing technical assistance from experts on IS designs, frameworks, strategies, measures, and outcomes.

Create opportunities to develop generalizable knowledge from local knowledge by encouraging the use of shared frameworks and harmonized measures, synthesizing data across projects, and encouraging cross-project collaboration.
1. Support High-Quality IS

• IS is key to scaling up/out HIV interventions efficiently and effectively

• But, the application of IS to HIV is a relative new development
  • Mapping review of project abstracts from NIH-funded HIV IS studies
  • January 2013 to March 2018
  • $N = 216$
## Snapshot of Funded HIV IS Grants

### Implementation Research Framework, Model or Theory

<table>
<thead>
<tr>
<th>Framework/Model</th>
<th>N</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adapt-ITT</td>
<td>5</td>
<td>2.5</td>
</tr>
<tr>
<td>Consolidated Framework for IR (CFIR)</td>
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</tr>
<tr>
<td>RE-AIM</td>
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<tr>
<td>PRECEDE/PRECEDE-PROCEED</td>
<td>3</td>
<td>1.5</td>
</tr>
<tr>
<td>Diffusion of Innovation</td>
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<td>1.0</td>
</tr>
<tr>
<td>PARIHS</td>
<td>2</td>
<td>1.0</td>
</tr>
<tr>
<td>EPIS</td>
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<td>1.0</td>
</tr>
<tr>
<td>None stated</td>
<td>174</td>
<td>87.0</td>
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</table>

### Implementation Outcomes

- **Participant Impact Only**: 54%
- **Participant Impact + cost/unclear IR outcome**: 28%
- **Implementation Research Outcomes**: 16%
- **Unclear IR outcome**: 2%

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Benbow & Smith, 2018 HIV IS Workshop
IS Experience among the Projects

What previous implementation research experience do you have?
(Project Director respondents to ISC³I survey)
IS Training among the Projects

What previous formal training in IS do you have?

- Workshops, presentations (CFAR, NIH)
- Graduate coursework
- Self-taught
- Other
- None
Training Is Needed and Desired

As you were writing your IS-focused application, what would you have liked to have known?

- IS frameworks: 18
- IS strategies: 8
- IS study designs: 6
- IS metrics: 6
- IS outcomes: 6
- Future grants: 2
- Other: 14
ISC$^3$I Resources and Services

1. Provide technical assistance
   • Summit
   • Logic model
   • Resources
   • Webinars
   • Reading course
   • Discussion board
   • Individual coaching
2. Develop Generalizable Knowledge

Implementation Research

Sustainment

Implementation

Preparation

Exploration

4 Phases: Aarons et al., 2011

Implementation Practice

Generalizable Knowledge

Local knowledge

Quality Improvement

Tradational Translational Pipeline

Brown et al., ARPH 2017
2. Develop Generalizable Knowledge

- Each project will generate useful and relevant *local* knowledge

- ISC\(^3\)I vision is
  - to *synergize* across sites using shared metrics and measures
  - to allow for *integrated* analyses, where appropriate
  - to create unprecedented *generalizable* knowledge
Greater Than the Sum of Its Parts

Once-in-a-generation opportunity for a planned and coordinated approach to understanding HIV intervention/service implementation across the US
ISC³I Resources and Services

1. Provide technical assistance
   - Summit
   - Logic model
   - Resources
   - Webinars
   - Reading course
   - Discussion board
   - Individual coaching

2. Coordinate data across projects
   - Summit
   - Logic model
   - Resources
   - Webinars
   - Reading course
   - Discussion board
   - Individual coaching
   - Data collection on project activities
WELCOME TO THE ISC3I COMMUNITY OF PRACTICE (COP)

THE GOALS OF ISC3I ARE TO:

1. Support high-quality implementation science (IS) in funded Ending the HIV Epidemic projects by providing technical assistance from experts on IS designs, frameworks, strategies, measures, and outcomes.
2. Create opportunities to develop generalizable knowledge from local knowledge by encouraging the use of shared frameworks and harmonized measures, synthesizing data across projects, and encouraging cross-project collaboration.

THE COP SUPPORTS THESE GOALS BY SERVING AS A:

› Communication channel for delivering IS news, updates, and opportunities
› Repository of curated IS talks, articles, measures, and other resources
› Forum for discussion among projects and with IS experts
› Platform for connecting with IS coaches
› Tool for collecting data across projects
Resources (and Webinars)
Resource Types
Discussion Board
IS Reading Course

- Strengthen understanding of foundational principles of IS in health with an emphasis on the field of HIV/AIDS using peer-reviewed journal articles and chapters from *Dissemination and Implementation Research in Health, 2nd ed.*

- Lead: JD Smith

- Four Monday sessions from 2–3:30pm Central Time

- Expectations:
  - Attendance at 75% (3 out of 4) sessions
  - Read 2–3 articles prior to each session
  - Formulate 2–3 questions and submit via COP Discussion Board
  - Notes from each session will be posted on the Discussion Board
## IS Reading Course

<table>
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<tr>
<th>Date</th>
<th>Topic</th>
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<tbody>
<tr>
<td>11/11/2019</td>
<td><strong>Theories, Models, and Frameworks</strong></td>
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<tr>
<td>11/25/2019</td>
<td><strong>Designs for D&amp;I – I</strong> Formative Research and Hybrid Designs</td>
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<tr>
<td>12/9/2019</td>
<td><strong>Designs for D&amp;I – II</strong> Designs for Quasi/Experimental Summative Research</td>
</tr>
<tr>
<td>12/16/2019</td>
<td><strong>Measurement of Implementation Outcomes</strong></td>
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</table>

Quantitative, Qualitative, & Mixed Methods
IS Reading Course

• Sign up on the COP under *Reading Course*

• A second course may be offered next year depending on interest
Individual Coaching

• 1-on-1 consultation with IS experts

• Hour-long video/teleconference calls, potential email follow-up

• Structured around your implementation logic model

• Launching in first quarter of new year

• Sign up via request form in the COP (future)
ISC$^3$I Vision

Teams

Stronger IS grants

More generalizable knowledge

Community of Practice

- Reading course
- Discussion board
- Coaching
- Data collection
- Resources
- Webinars
COP in Practice
EHE Listening Session

• 8:30–9:30am tomorrow
• Open discussion with 7 Federal Partners:
  • Antigone Dempsey, HRSA
  • Carl Dieffenbach, NIAID
  • Maureen Goodenow, NIH OAR
  • Chris Gordon, NIMH
  • Harold Phillips, HHS
  • David Purcell, CDC
  • Dianne Rausch, NIMH
• Opportunity to comment, give feedback, ask questions
• Log additional comments / observations on the COP Discussion Board
Welcome to the ISC3I Community of Practice (COP)

The goals of ISC3I are to:
1. Support high-quality implementation science (IS) in funded Ending the HIV Epidemic projects by providing technical assistance from experts on IS designs, frameworks, strategies, measures, and outcomes.
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The COP supports these goals by serving as a:
- Communication channel for delivering IS news, updates, and opportunities
- Repository of curated IS talks, articles, measures, and other IS work
- Forum for discussion among projects and with IS experts
- Platform for connecting with IS coaches

URL: isc3i.isgmh.northwestern.edu
Username: registration email
Password: set yourself
COP Demo
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<table>
<thead>
<tr>
<th>Forum</th>
<th>Topics</th>
<th>Posts</th>
<th>Freshness</th>
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# COP Demo

## Implementation Science Coordination, Consultation, & Collaboration Initiative

### Summit Practice Forum

This forum contains 2 topics and 2 replies, and was last updated by denhil@gmail.com 7 hours, 41 minutes ago.

<table>
<thead>
<tr>
<th>Topic</th>
<th>Voices</th>
<th>Posts</th>
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### Create New Topic in “Summit Practice Forum”

- You can use BBCode to format your content.
- Your account has the ability to post unrestricted HTML content.

<table>
<thead>
<tr>
<th>Topic Title (Maximum Length: 80)</th>
</tr>
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</table>
COP Demo

This topic contains 1 reply, has 2 voices, and was last updated by Dennis Li 7 hours, 56 minutes ago.

Here is a sample topic. Feel free to create posts underneath this topic.

denli@gmail.com
Participant

Here is a sample reply. Continue the thread below!

Dennis Li
Keymaster
COP Demo
EHE Listening Session

- 8:30–9:30am tomorrow
- Open discussion with 7 Federal Partners:
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