Implementation Strategies and Determinants among Prevention-Focus Ending the HIV Epidemic Projects

Morgan R. Purrier, PhD

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Roadmap

• Who we are
  – ISCI
  – Ending the HIV Epidemic
• Data & Methodology
• Findings
• Future Directions
The Implementation Science Coordination Initiative (ISCI) provides high-quality technical assistance for Ending the HIV Epidemic (EHE) funded implementation research (IR) teams and creates opportunities to share generalizable knowledge to help end the HIV epidemic in the United States.
Ending the HIV Epidemic

GOAL:
75% reduction in new HIV infections by 2025 and at least 90% reduction by 2030.

Diagnose all people with HIV as early as possible.

Treat people with HIV rapidly and effectively to reach sustained viral suppression.

Prevent new HIV transmissions by using proven interventions, including pre-exposure prophylaxis (PrEP) and syringe services programs (SSPs).

Respond quickly to potential HIV outbreaks to get needed prevention and treatment services to people who need them.

www.hiv.gov
Ending the HIV Epidemic

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Research Question

• What are the determinants and implementation strategies proposed by projects with a prevention focus?
  – How do these determinants and strategies illustrate common themes and potential gaps?
Data & Methodology

201 EHE Projects

185 with Treat or Prevent Pillars

82 with IRLM

50 Prevention Projects

50
Implementation Research Logic Model (IRLM)

Logic Model for Implementation Research

Determinants (CFIR)
- Intervention Characteristics
- Inner Setting
- Outer Setting
- Characteristics of Persons
- Process

Implementation Strategies

Mechanisms

Outcomes

Smith et al., 2020, Implement Sci
Implementation Research Logic Model (IRLM)

Logic Model for Implementation Research

Determinants (CFIR)

Implementation Strategies

Mechanisms

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Smith et al., 2020, Implement Sci
Implementation Research Logic Model (IRLM)

Logic Model for Implementation Research

Determinants (CFIR)
- Context
- Opportunities
- Social Influences
- Characteristics of Individual
- Process

Implementation Strategies

Mechanisms

Outcomes

Smith et al., 2020, Implement Sci
A SELECTION OF IMPLEMENTATION STRATEGIES

Use evaluative and iterative strategies
- Assess for readiness and identify barriers and facilitators
- Audit and provide feedback
- Purposefully reexamine the implementation

Adapt and tailor to context
- Tailor strategies
- Promote adaptability
- Use data experts

Train and educate stakeholders
- Conduct ongoing training
- Distribute educational materials
- Use train-the-trainer techniques

Engage consumers
- Increase demand
- Use mass media
- Involve patients/consumers and family members

Change infrastructure
- Mandate change
- Change record systems
- Change physical structure and equipment

Provide interactive assistance
- Facilitation
- Provide local technical assistance
- Provide clinical supervision

Develop stakeholder interrelationships
- Identify and prepare champions
- Organize clinician implementation team meetings
- Identify early adopters

Support clinicians
- Remind clinicians
- Revise professional roles
- Facilitate relay of clinical data to providers

Utilize financial strategies
- Alter incentive/allowance structures
- Access new funding
- Fund and contract for the clinical innovation

Findings

Characteristics of individuals
- Knowledge/belief
- Self-efficacy
- Individual stages of change
- Individual identification with organization
- Other personal attributes

Outer setting
- Patient needs/resources
- Cosmopolitanism
- Peer pressure
- External policies/incentives

Inner setting
- Structural characteristics
- Networks/communications
- Culture
- Climate
- Readiness

Intervention characteristics
- Intervention source
- Evidence strength/quality
- Relative advantage
- Adaptability
- Trialability
- Complexity
- Design quality/packaging
- Cost

Process
- Planning
- Engaging
- Executing
- Reflecting/Evaluating


Figure adapted by The Center for Implementation
Barriers

External Policies
25 (50%)

Complexity
32 (64%)

Individual Knowledge
27 (54%)
Facilitators

Outer setting
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Figure adapted by The Center for Implementation

#ADHERENCE2023
Facilitators

16 (32%)

Culture

15 (30%)

Relative Advantage

17 (34%)

Engaging
# Strategies

## A Selection of Implementation Strategies

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Discussion and Future Directions

- Usefulness of IRLM as a data harmonization tool
- Highlights the need for support and development of strategies to address structural-level change
- Future research will examine further subsets of populations
Thank You!

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