

Dissemination & Implementation Group(DIG)

September 18th, 2025



DIG Team Leads:

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Let's Dig In!

1. Who is in the DIG?
2. What are implementation and dissemination science
3. What does dissemination and implementation science look 'like in the wild?'
4. How can you work with the DIG?
 - Website
 - Consultations
 - Podcasts
 - D&I e-coffee Hour
5. General Discussion



Meet the DIG Team!

Jill Marsteller, PhD,
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PharmD (PhD
Student) (UMB)

Nicole Sealton,
MPH (UMB)

Rana Karslioglu
(UMB)



What are Dissemination and Implementation Science?

Dissemination is “the targeted distribution of information and intervention materials to a specific public health or clinical practice audience.”

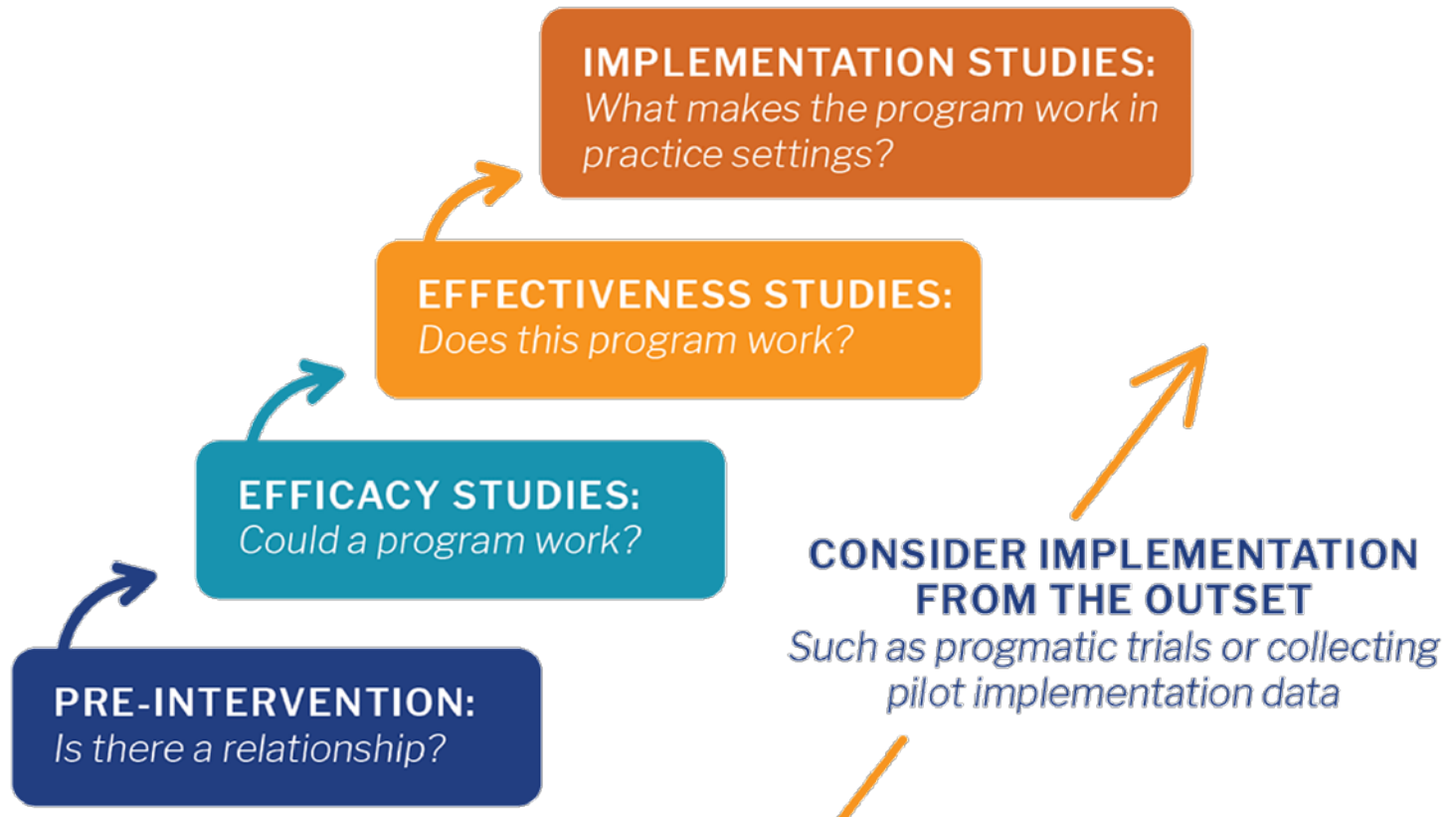
- how, when, by whom, and under what circumstances evidence spreads throughout the agencies, organizations, front line workers and consumers of public health and clinical services

Implementation is “the use of strategies to adopt and integrate evidence-based health interventions and change practice patterns within specific settings.”

- Seeks to understand the behavior of healthcare professionals and support staff, healthcare organizations, healthcare consumers and family members, and policymakers in context, as key influences on the adoption, implementation and sustainability of evidence-based interventions and guidelines

What are Dissemination and Implementation Science?

REAL WORLD RELEVANCE



<https://catalyst.harvard.edu/community-engagement/implementation-science/>



What does implementation science look
like in the wild?

Example 1: "Hybrid" trial

Achieving cardiovascular health equity in community mental health: study protocol for a cluster-randomized hybrid Type 3 effectiveness-implementation trial

- **Intervention:** IDEAL Goals (a cardiovascular risk reduction program for people with serious mental illness)
 - **Implementation strategies:** Replicating Effective Programs (REP), Coaching, Facilitation
 - **Primary outcome:** number of IDEAL Goals sessions clients receive
- **Study aim:** we use Replicating Effective Programs (REP) as the foundational implementation strategy to test the effects of two additional strategies, Coaching and Facilitation, on improving the number of IDEAL Goals sessions clients receive in community mental health organizations in Maryland and Michigan.

Example 2: Observation + Implementation Feasibility

- Music for Pain Relief (M4PR)
- Can nurses implement music as a pain relief modality for hospital patients?
 - Phase 1: Observed use of music as already occurring (not)
 - Phase 2: Intervened to support nursing provision of music to inpatients to manage pain
 - Implementation strategies: Education; workflow; Spotify accounts; pre-made evidence-based playlists; facilitation
- The TDF and PRISM implementation frameworks guided the work
- Pre-post nurse attitudes (motivation to implement); Documented provision of music; pain scores (NS)

Example 3: Implementation Science

- Title Academic detailing for opioid misuse prevention
- Q: How to minimize risk in opioid prescribing
- Academic detailing model
- What are the implementation strategies: training of AD staff, provider engagement, dissemination
- Follow the Strategic Prevention Framework
- What are the outcomes: knowledge, attitudes, prescribing patterns and overdose outcomes

How is the DIG helping people today?

Want Help from the DIG?: Make a Request

- Dissemination & Implementation Group (DIG) – Institute for Clinical and Translational Research
- Consultation Request Portal
- Websites and Trainings
- Introduction to the Team
- Insights Caught in Translation Radio-podcast

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The Dissemination & Implementation Group (DIG) facilitates and improves Dissemination & Implementation (D&I) processes from bench-to-bedside.

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Make a Request

Our Mission

The Dissemination & Implementation Group (DIG) provides applications, education, trainings, activities, and support to address the gap in knowledge of implementation science by connecting existing Johns Hopkins and ICTR multidisciplinary members and facilitating multipronged collaborative implementation of Evidence Based Practices (EBPs) for the highest quality health care.

What We Do

DIG provides D&I training, proposal review and coaching for ICTR researchers that meets needs in each phase/stage of the Exploration, Preparation, Implementation and Sustainment (EPIS) framework.

Phase	D&I Training	Proposal Review	Coaching
Exploration	X		
Preparation		X	
Implementation	X		X
Sustainment	X		X

Contacts

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Quick Links

[Dissemination & Implementation \(D&I\) Websites and Trainings](#)



What kinds of consultations have we had?

Position/ Division	Nature of Ask	What Was the Outcome?
Asst Prof, Medicine	Advice on implementation science models for K award submission- opioid use disorder and left without being seen (LWBS)	Advice incorporated and K submitted
Full Professor, GIM	Potential mentorship	Requestor will return to us when needed
Assoc Prof, Plastic and Reconstructive Surgery	Needed support for clinical research project	Forwarded to Research Navigators
Assoc Sci, International Health, SPH	Help to develop a future research project-- EBP in Bladder Cancer	Requestor linked to researchers in field

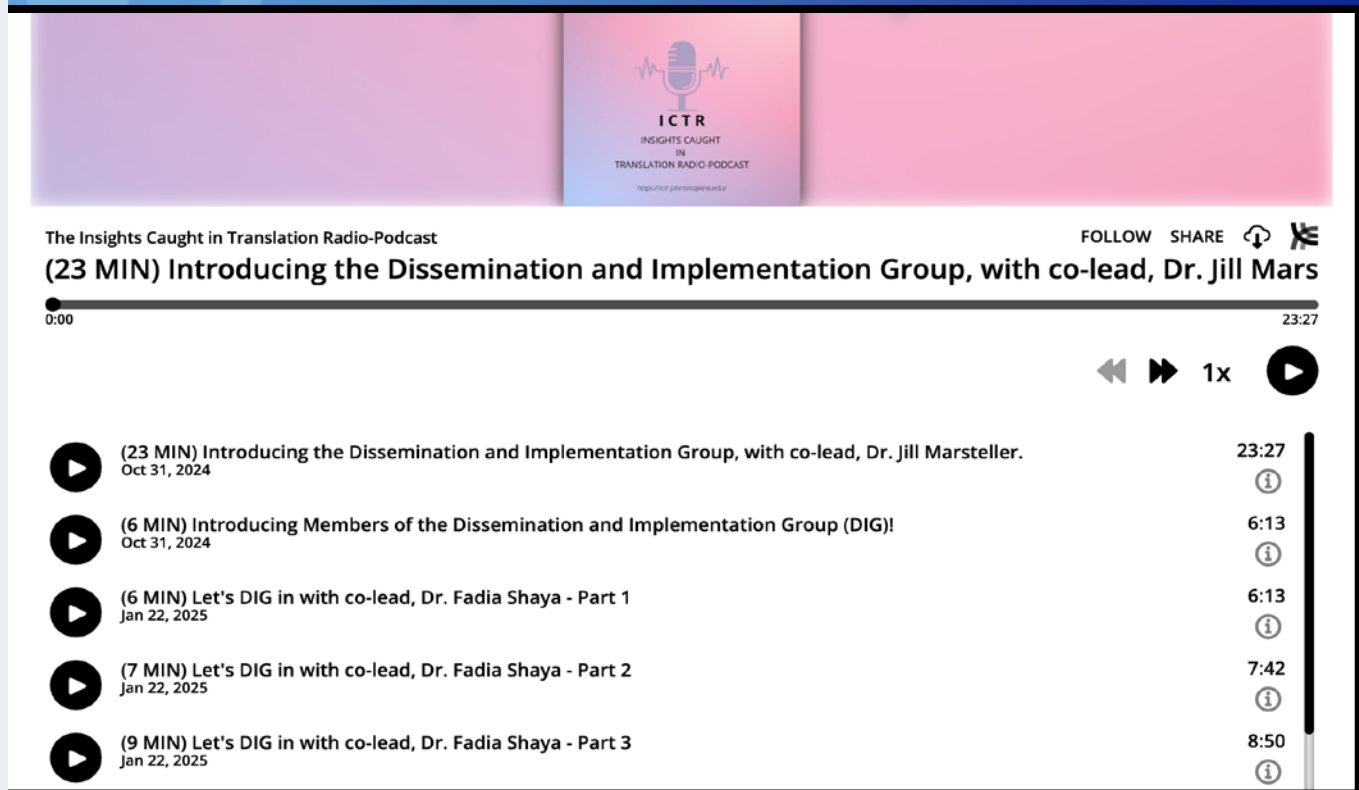
Consultations at UMB

Position/ Division	Nature of Ask	What Was the Outcome?
Professor at SOM Family Medicine	Support writing D&I section of a R01 grant	Written section incorporated and R01 submitted
Assistant Professor at SOM, Psychiatry	Support of D&I section on grant	Support provided and grant submitted
Assistant Professor at SOM, Psychiatry	Support for D&I project development	Shared resources and supported D&I
Assistant Professor at SOM, Emergency Medicine	Support of D&I section on grant	Support provided
Associate Professor at SOM, Interventional Radiology	Advice on data visualization services, for study results to be presented in publication-ready tables and figures.	Examples shared and support provided
Professor, UM College Park,	Support in implementation research & SDoH	Support provided and grant submitted
Professor at SON	Support in D&I with funded pilot for future R01	Support provided
Assistant Professor at SOD	Cohort discovery: estimate the number and demographics of patients with a rare dental disorder, in the health system Develop a future research grant Prepare dissemination tools for RCT enrollment	Requestor assisted in these tasks by the D&I Core



Insights Caught in Translation Radio-podcast (ICTR)

- Short, downloadable educational podcasts on the DIG site, Spotify, and Apple Play.
- Conversations with D&I experts in the field, internal to Johns Hopkins and the University of Maryland, Baltimore and external partners.
- Real life examples of how D&I can be applied and used in consultations.
- Key networking tool to learn about the work going on within and outside of our organization!



ICTR Season 2: D&I Expert Interviews



**Heather Watson,
PhD, RN**

Nurse Scientist @ JHM

Area: Nursing inquiry across the health system, using implementation science and practice as supporting theories and frameworks.



**Carolyn Suffrin,
MD, PhD**

Associate Professor;
Health, Behavior and
Society @ BSPH

Area: Reproductive
health and clinical care
incarcerated women,



**Shannon Fratarroli,
PhD, MPH**

Director for Center for
Injury Research and
Policy; Health Policy
Management @ BSPH

Area: Injury and
violence prevention into
policies and practices
that will create safe
places for people to
thrive.



Tina Fahim, PhD, MSc

Team for Implementation,
Evaluation and
Sustainability Knowledge
Translation Program @ St.
Michael's Hospital; HPM @
BSPH

Area: Knowledge
translation to
implementation evidence-
based interventions



**Stacy Farr,
PhD, MPH**

Co-Director, Healthcare
Institute for Innovations
in Quality

Associate Professor @
UMKC School of
Medicine

Area: How does quality
improvement and
implementation science
work together



JOHNS HOPKINS
INSTITUTE for CLINICAL &
TRANSLATIONAL RESEARCH

Implementation Science Interest Group

- Second Tuesday of Every Month from 10:00-11:00am
- Fall Offerings Begin October 14th
- Group has regular guest experts in the fields of dissemination and implementation science.
- Group discusses papers and serves as a hub for those who want to become more familiar with D&I-related work, concepts, and applications.

Implementation Science e-Coffee Hour Details

- Have questions about implementation science in your own work? Want to know more about D&I?
- We invite you to join the DIG for our monthly e-coffee hour!
- Every third Thursday of the month from 3:00-4:00pm



Questions?: Please Reach Out!

Have questions or want to connect?:

- Come check us out [online](#)!
- Reach out directly to the team!

Contacts

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Please Fill Out Our Survey!

