D&I SCIENCE PROGRAM: THE PAST YEAR

IF AN INTERVENTION WORKS

AND NOBODY CAN USE IT.....

DOES IT STILL MAKE AN IMPACT?

December 2020
ACCORSDS PI Meeting
D&I UPDATE

WHAT WE WILL COVER TODAY

• D&I Program – who are, what do we do, and where we are going (Russ)

• What we are doing to build D&I capacity within and among scientists, systems and communities (Amy)

• What we are doing to develop, test and disseminate sustainable and equitable solutions to real world problems (Bethany)

• What are we working on improving and handling (Jodi)

• Open discussion and Q&A
D&I Core Consultation Team
- Russ Glasgow (Director)
- Jodi Holtrop (Co-Director)
- Amy Huebschmann
- Bethany Kwan
- Tina Studts

Other Key Members
- Hillary Lum
- Dan Matlock
- Borsika Rabin (@UCSD)

....and many colleagues!
MISSION:

We use stakeholder engagement and pragmatic D&I models, methods, and measures to:

• **build D&I capacity** within and among scientists, systems and communities; and

• **develop, test and disseminate** sustainable and equitable solutions to real world problems.
Current Strengths and Emphases

- Pragmatic research models (e.g., RE-AIM, DSF, PRISM), methods and measures
- Interactive tools, resources
- Consultation and training programs

New and Future Directions

- Study of context and adaptations
- Integration of D&I (esp. NCI D&I Center grant) with:
  - Shared decision making
  - Health economics
  - Aging, chronic illness and complex conditions

Needs and Possible Future Directions

- Rapid research, study of sustainability
Iterative use of RE-AIM to guide adaptations

Expansion and development of resources on PRISM (our Pragmatic Robust Implementation and Sustainability Model)

Literature review and tools around designing for dissemination and sustainability

Revision and updating of online and interactive tools:

Dissemination-implementation.org
(selecting and using theories)

RE-AIM.org
(new design, sections, resources)
BUILDING CAPACITY

WITHIN AND AMONG SCIENTISTS, SYSTEMS, AND COMMUNITIES

- **D&I Certificate program**
- COPRH Con
- **Group mentoring**
- ACCORDS education series
- P50 capacity building arm
- **D2V integration**
- **CCTSI collaboration**
- K12 program
- **Consultations and support to other investigators**
WHAT IS THE RATIONALE FOR OUR D&I GRADUATE CERTIFICATE?

Rationale

• Addresses a local and national need for rigorous training in D&I Science in health services and public health research

• Leverages our outstanding D&I faculty and resources on our campus, and our connections with other national D&I leaders as guest lecturers
WHY PURSUE THE D&I SCIENCE GRADUATE CERTIFICATE?

Rationale for individuals in different career stages

• K-awardees: Robust coursework for a D&I training goal on a career development award

• Mid-career faculty: Become a “home-grown” local faculty expert for D&I research methods in your institution

• PhD/DrPH students: Potential area of minor concentration research methods

• Exploring areas for a PhD: Test out the field of D&I science before committing to research in this area
Amy Huebschmann, MD, MS, FACP
Director, D&I Certificate

Borsika Rabin, PhD, MPH, PharmD
Co-Director, D&I Certificate

Lisa Cicutto, PhD, ACNP(cert), RN
Director, Clinical Sciences Graduate School Program

Galit Mankin, MSW
Administrative Lead, CLSC
Total of 12 credit hours completed within a 3-year period

**Required Courses (7 credit hours):**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Instructor</th>
<th>Credits</th>
<th>Timing</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CLSC 7653 Introduction to Dissemination and Implementation Research in Health</strong></td>
<td>Rabin/Studts</td>
<td>3</td>
<td>Fall (annually)</td>
</tr>
<tr>
<td><strong>CLSC 6560 Designs and Mixed Methods in Implementation Research</strong></td>
<td>Holtrop/Dorsey-Holliman</td>
<td>2</td>
<td>Spring (annually)</td>
</tr>
<tr>
<td><strong>CLSC 6570 Designing for Dissemination and Sustainability</strong></td>
<td>Morrato/Kwan</td>
<td>2</td>
<td>Summer (annually)</td>
</tr>
</tbody>
</table>
## Elective Courses (5 credit hours):

<table>
<thead>
<tr>
<th>Elective Courses</th>
<th>Instructor</th>
<th>Credits</th>
<th>Timing</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CLSC 7663 Context and Adaptation in D&amp;I Research</strong></td>
<td>Studts/ Rabin</td>
<td>2</td>
<td>Spring (annually)</td>
</tr>
<tr>
<td><strong>CLSC 6770 Grant-writing for D&amp;I Research</strong></td>
<td>Glasgow/ Brownson</td>
<td>2</td>
<td>Summer (annually)</td>
</tr>
<tr>
<td><strong>CLSC 6850 Advanced Topics in D&amp;I Science</strong></td>
<td>Huebschmann</td>
<td>1-2</td>
<td>Fall, Spring (annually)</td>
</tr>
<tr>
<td>Electives approved by Certificate director</td>
<td></td>
<td>Up to 3</td>
<td>Varies</td>
</tr>
</tbody>
</table>

**WHAT ARE THE COURSES?**

**OVERVIEW**
WHEN TO APPLY?

Annual application cycles: Next cohort of ~12 individuals will start classes in Summer or Fall 2021

• Webinar with more details planned for January 2021
• Application will be available starting Feb 1, 2021 on our website
• Due date: March 1, 2021
• Timing to matriculate (start courses):
  • June 2021 (Summer semester)
  • August 2021 (Fall semester)

Questions? E-mail Amy.Huebschmann@cuanschutz.edu
How it works:
• 1-2 D&I leads each time
• Twice per month for 1 hour
• Open topics (can sign up for a slot or have “office hours” open discussion)
• Includes D&I topics but also general career mentoring
• Mentees share and help each other

Evaluation:
• 10 participants in 2020; more in 2021
Screening for Social Determinants of Health (SDOH) and offering SDOH assistance in health care settings: Patient Perspectives

Amy Huebschmann, MD, MS
With attribution for project leadership and slides shared by Emilia De Marchis, MD, MAS and UCSF SIREN group
April 15, 2020

Considering All Users: Designing for Dissemination Using Audioelicitation Interviewing

Chris Knoepke, PhD, MSW
Assistant Professor
Division of Cardiology
University of Colorado

Maria E. Fernández, PhD
Lorne Bain Distinguished Professor in Public Health and Medicine
Professor of Health Promotion and Behavioral Sciences
Director, Center for Health Promotion and Prevention Research
The University of Texas Health Science Center at Houston (UTHealth) School of Public Health
CCTSI, D2V and ACCORDS Integration

The science of D&I vs the practice of D&I

- Support designing for sustainability and dissemination
- Dissemination planning and budget
- Developing dissemination products: messages, value proposition design, packaging and delivery to key audiences
We provide consultations to investigators throughout the stages of the dissemination planning process.

Services

- Conducting a needs assessment
- Identifying a plan of action
- Providing advice on dissemination theories and frameworks
- Material design resources
- Evaluation guidance
- Dissemination plans for grant proposals & budgets
- Archival support
• Free, open access repository
• Collects, preserves, provides access to digitized scholarly works
• Creates a digital object identifier (DOI)
  • Permanently identifies content
• Search engine

More information: https://mountainscholar.org
Submit work: https://library.cuanschutz.edu/mountain-scholar-submit
Advancing Dissemination and Implementation Sciences in CTSAs: A Working Group

Welcome Bethany Kwan! You are a member of this group.

Purpose
The purpose of this working group is to meet both the conceptual as well as practical challenges to advancing the utilization of D&I across the translational science spectrum. Our agenda builds on a highly productive and prior version of this Working Group which articulated the need and desire for better integration of D&I sciences within CTSAs. Our group will continue the previous work by focusing on the “how” of D&I integration within CTSAs hubs nationally, and on creating and disseminating practical tools, resources, and insights that CTSAs can use to fully realize the potential of D&I to enhance CTSAs’ mission.

Goals
To enhance translation by bringing to bear in CTSAs the insights, principles, frameworks, and strategies of dissemination and implementation sciences
To provide conceptual and practical guidance that CTSAs hubs across the consortium can rely on for support in D&I integration and capacity building.

Advancing Dissemination and Implementation Sciences in CTSAs: A Working Group Leadership

- Tara Mehta University Of Illinois At Chicago
- Bethany Kwan University Of Colorado Denver
- Aaron Leppin Mayo Clinic
- Mercedes Rubio NCATS

Coordinator
Julie Schwan, MS
Coordinator
University Of Rochester

Liaison
Laura Sugawara, MBA, RDN
Director, Community Health Partnerships
University Of Rochester
In addition to all previously mentioned...

D&I Publications (conceptual, methodological or application)

- Published: 39
- In press or under review: 21


CHALLENGES  |  HOW ARE WE HANDLING THEM?

• Capacity limits/building make field-building activities challenging

• Not too many “one-time” consultations, but many that turn into requests for mentoring and/or co-investigator roles
  
  • Added Tina! Planning to hire another new person
  
  • Building capacity (previous slides)

  • Decision tree
78 TOTAL CONSULTS

November 1 2019 – November 30 2020

Consult Type

NOTES
• Only unique consults are counted (not multiple meetings with same person)
• Many consults are categorized under multiple types, therefore N>78
Assessment system

• Automated form emailed at 4 months
• Playing catch-up to get completions
• 16 completed so far
  • 15/16 = “highly valuable”
  • 1/16 = “somewhat valuable”
NOTES

- Core team members were also involved in 21 mentoring grant applications
- Numbers do not include Matlock (SDM Program overlap) or Rabin (UCSD)
CONSULTATION | MANAGING CAPACITY

Consultation Decision Tree

Type of consult
- Basic
  - Mentoring
    - Group mentoring or other (group meetings)
  - Co-Investigator
    - Find junior Co-I or Senior/Junior pairing
- Advanced
  - Minimal
    - Take on if time and interest; say no if needed
  - Maximal
    - Say no unless of high interest and available
**D&I PROGRAM**

**Themes from External Review**

**Strengths**
- Unique and nationally recognized D&I expertise: RE-AIM, shared decision making, rural primary care, designing for dissemination, qualitative and mixed methods research
- Existing D&I courses and on-line resources (Google “ACCORDS D&I”)
- Connections and collaborations with other leading D&I programs
- Partnership with other ACCORDS programs and cores

**Challenges**
- Exceeding capacity for mentoring and co-PI partnerships
- Not enough T4 science focus (lots of T3 and T3 ½)
- Limited expertise in organization and systems issues
Thoughts?
Clarifications?
Ideas?

Thank you!