YEAR IN REVIEW:
2023
Mission

To advance the science and practice of implementation by building capacity, driving methodological innovation, fostering collaboration, and encouraging community. This statement encompasses the following strategic goals and core competencies:

- **Research** - We support the development of research to guide the implementation of evidence-based interventions across a range of healthcare settings around the globe.
- **Education** - We host educational offerings for both the next generation of researchers as well as established investigators through our Implementation Science Certificate Program, our Implementation Science Institute, workshops, and a variety of courses on Implementation Science at Penn.
- **Connection** - We bring together the Implementation Science community at Penn and beyond through invited speaker lectures, fireside chats, works-in-progress meetings, in-person networking opportunities, newsletters, mock study sections, conference preparation workshops, writing workshops, and more.

Vision

We foster optimal population health through collaborative, equitable, and rigorous dissemination and implementation science.
Dear PISCE Community,

As I reflect on 2023, I am grateful to the PISCE community and its members for their work in growing the field of implementation science at Penn and beyond. Last year saw outstanding growth in scholarship and grant funding in IS across many domains, including cancer, HIV/AIDS, mental health, pediatrics, acute care, and maternal health. We also welcomed our first full cohort of students in Penn’s Implementation Science Certificate program and launched a new affiliation with the Penn Institute for Translational Medicine and Therapeutics. In 2024, we are looking forward to seeing the new PISCE Senior Fellow program recognize Penn’s phenomenal leaders in implementation science across the University. We continue to be inspired by all the ways that PISCE family members push the boundaries of rigorous implementation science and support capacity building in the field. Thank you for building the bridge from evidence to practice to impact!

Sincerely,

Meghan

Meghan Lane-Fall

Letter from the Executive Director,
Leadership Team

Meghan Lane-Fall, MD, MSHP, FCCM
Executive Director, PISCE
David E. Longnecker Associate Professor, Anesthesiology and Critical Care, Perelman School of Medicine
Associate Professor, Epidemiology, Perelman School of Medicine

Amanda Bettencourt, PhD, APRN, CCRN-K, ACCNS-P
Director of Acute Care Implementation Science, PISCE
Assistant Professor, Family and Community Health, Penn Nursing

Christopher Bonafide, MD, MSCE
Director of Pediatric Implementation Research, PISCE
Associate Professor, Pediatrics, Perelman School of Medicine

Katharine Rendle, PhD, MSW, MPH
Director of Cancer Implementation Research, PISCE
Assistant Professor, Family Medicine and Community Health, Hospital at the University of Pennsylvania
Assistant Professor, Biostatistics, Epidemiology, and Informatics, Perelman School of Medicine

Courtney Benjamin Wolk, PhD
Director of Mental Health Implementation Research, PISCE
Assistant Professor, Psychiatry, Perelman School of Medicine
Leadership Team Continued

Meghan Lockman, MS, MBA
Managing Director, PISCE

Day Prescott-Moore, MS
Assistant Manager, PISCE
(Joined September 2023)

Isabelle Kaminer, MS
Coordinator, PISCE
(January - August 2023)

PISCE Staff

Kathryn O’Boyle
Implementation Science Certificate Coordinator

Sarah Hatch, MeD
Implementation Science Education Program Specialist
(January - August 2023)
Internal Advisory Board 2023

Alison Buttenheim, PhD, MBA
Scientific Director, Center for Health Incentives & Behavioral Economics, Perelman School of Medicine
Professor, Family & Community Health, School of Nursing
Professor, Medical Ethics & Health Policy, Perelman School of Medicine
Director of Engagement, Leonard Davis Institute of Health Economics

Rachel Werner, MD, PhD
Executive Director, Leonard Davis Institute of Health Economics
Robert D Eilers Professor, Health Care Management & Economics, Wharton School
Professor, Medicine, Perelman School of Medicine

Raina Merchant, MD, MS
Chief Transformation Officer, Perelman School of Medicine
Director, Center for Digital Health, Perelman School of Medicine
Professor, Emergency Medicine, Perelman School of Medicine

John Kimberly, PhD
Henry Bower Professor Emeritus, Health Care Management, Wharton School

Patricia Sullivan, PhD
Chief Quality Officer, University of Pennsylvania Health System

David Mandell, ScD
Professor, Psychiatry & Pediatrics, Perelman School of Medicine
Director, Center for Mental Health, Perelman School of Medicine
Associate Director, Center for Autism Research, CHOP
2023 Events

11 Works-In Progress Meetings

- Danielle Cullen, MD, MPH, MSHP
  - Jan 17
- Meghan Lane-Fall, MD, MSHP, FCCM
  - Feb 13
- Chen Kenyon, MD, MSHP
  - Mar 13
- Elizabeth Foglia, MD, MA, MSCE
  - Apr 10
- Emily Becker-Haines, PhD
  - May 8
- Beth Pineles, MD, PhD
  - Jul 12
- Danielle Cullen, Melissa Miller & Cynthia Mollen
  - Sep 12
- Yuvaram Reddy, MD, MPH
  - Oct 10
- Sarita Sonalker & Emmanuel Drabo (with CFAR)
  - Oct 31
- M. Christina Herrera, MD, MSHP (with CFAR)
  - Nov 9
- Amy Lisanti, PhD, RN, CCNS, FAHA
  - Nov 14

2 Fireside Chats

- Conducting Equity-Oriented Work
  with Dr. Katie Hoskins, Dr. Courtney Boen,
  and Dr. Kevin A. Jenkins
  on March 28, 2023
  Watch the video here

- Structural Intervention to Improve Population Health
  with Nicole Thomas and Sara Solomon
  on October 19, 2023
  Watch the video here

1 Co-Sponsored Talk with iSPHERE

- Implementation Science to End the HIV Epidemic in the US
  with Dr. Dennis Li
  on April 25, 2023
  Watch the video here

2023 Year In Review
2023 Events Continued

3 Virtual Invited Speakers

When Disasters are the Norm, Not the Exception: Implementation of Trauma Focused Interventions in Puerto Rico with Dr. Rosaura Orengo-Aguayo on February 1, 2023 Watch the video here

If You’re Not at the Table, You’re on the Menu: Reflections on Participatory Engagement at the Intersection of Theory and Practice with Dr. Cynthia Gonzalez on May 25, 2023 Watch the video here

Achieving the Promise of Precision Prevention Through Implementation Science with Dr. Megan Clarke Roberts on November 30, 2023 Watch the video here

2 Academy Health Dissemination & Implementation Conference Events

Pre-Conference Poster Presentation Practice on December 6, 2023

Conference Happy Hour on December 11, 2023

2 In-Person Events

Implementation Science at Penn: Past, Present, and Future with Dr. John Kimberly and Dr. Karen Glanz on June 22, 2023 Watch the video here

Implementation Networking Luncheon + Bridging Climate Change and Implementation Science with Dr. Michael Mann on September 13, 2023

2023 Year In Review
**Trainings & Programs**

**Over 650** people have been trained through PISCE’s educational offerings since 2012.

In the Summer of 2023, PISCE trained **119 internal and external individuals** from around the country at the Implementation Science Institute (ISI).

This is a 9% increase from 2022.

Our Certificate in Implementation Science program conducted 2 courses in 2023:
- IMP 6000 - 22 Students
- HPR 6210 - 6 Students
- HPR 6110 - ISI

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<th>Publications</th>
<th>FY23 Grants at Penn</th>
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<td><strong>72</strong></td>
<td><strong>$39 M</strong></td>
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<tr>
<td><strong>93</strong></td>
<td><strong>$17 M</strong></td>
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Publications featured in the PISCE Newsletter in 2023. Click here to view our 2023 Newsletter Archive.

Active IS Grants

Direct costs

Indirect costs

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**PISCE Membership**

<table>
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<th>Total members</th>
<th>Penn/CHOP members</th>
<th>Increase since 2022</th>
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<td><strong>886</strong></td>
<td><strong>395</strong></td>
<td><strong>67%</strong></td>
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**D&I Conference**

For the 16th Annual Conference on the Science of Dissemination and Implementation in Health in December 2023, PISCE members were responsible for:

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<th>Practice poster presentations before the conference</th>
<th>Presentations during the conference</th>
<th>Poster presentations during the conference</th>
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<td><strong>4</strong></td>
<td><strong>6</strong></td>
<td><strong>17</strong></td>
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First Cohort

During the summer and fall, the Penn Implementation Science Certificate Program welcomed its first cohort of 10 students.

The program requires students to complete 4 course units (CU):

- **IMP 6000** - Foundations in Implementation Science (1 CU)
- **IMP 6100** - Ethics and Equity in Implementation Science (1 CU)
- **IMP 6200** - Mixed Methods in Implementation Science (1 CU)
- **IMP 6300** - Project Development in Implementation Science (0.5 CU)
- **IMP 6400** - Practicum in Implementation Science (0.5 CU)
- **HPR 6210** - Advanced Topics in Implementation Science (0.5 CU)*

*students are also able to choose from a list of approved elective courses

To learn more about the certificate program, click here.

2023 ISI Participant Results Are In

Excellent course. I will recommend it to everyone interested in Implementation Science. Thank you!!

Having experts join and share their perspective was great.

Evaluation of a brief virtual implementation science training program: the Penn Implementation Science Institute

Amelia E. Van Pelt, Christopher P. Bonafide, Katherine A. Randle, Courtney Weik, Judy A. Shea, Amanda Bettencourt, Rinad S. Beidas & Meghan B. Lane-Fall

Implementation Science Communications, 4, Article number: 131 (2023) | Cite this article

850 Accesses | 5 Altmetric | Metrics

Abstract

Background

To meet the growing demand for implementation science expertise, building capacity is a priority. Various training opportunities have emerged to meet this need. To ensure rigor and achievement of specific implementation science competencies, it is critical to systematically evaluate training programs.

Click here to view the full paper.
Featured Projects

An implementation science approach to the design and evaluation of tuberculosis self-testing in South Africa

Dr. Yeon Soo Baik was awarded a K01 to study and evaluate the feasibility of implementing self-testing for active Tuberculosis (TB).

An Intervention Mapping Approach to Closing the Gap in Maternal OUD and Infant NAS care

Dr. Sara Kornfield received an R21 award to close the gap in maternal health and substance abuse treatment in pediatric settings.

Adapting the Penny Chatbot for Perinatal OUD Patients: COPILOT

Dr. Sara Kornfield was awarded an R34 by adapting a chatbot, Penny COPILOT, to address both loneliness and engagement in perinatal and opioid use disorder (OUD) care among perinatal women.

Improving the Detection of Hypertrophic Cardiomyopathy Using Machine Learning Applied to Electronic Health Record Data

Dr. Nosheen Reza received a K23 award to address the gap between the hypertrophic cardiomyopathy diagnostic and therapy.

Accelerating Equitable PrEP Delivery for Black Adults in Primary Care Settings: Development and Testing of A Practice-Level Multifaceted Implementation Strategy

Dr. Dovie Watson was awarded a K23 to design and test implementation strategies to support HIV pre-exposure prophylaxis (PrEP) provision for Black primary care patients.
$19 Million from NIH Establishes Maternal Health Implementation Science Hub at Penn Medicine

Hub part of NIH initiative to establish Maternal Health Research Centers of Excellent, promoting maternal health equity

The National Institutes of Health (NIH) awarded a 7-year $19 million grant for the creation of an implementation science hub, Achieving Maternal Equity and Transforming Health through Implementation Science and Training (AMETHIST@Penn), lead by Dr. Meghan Lane-Fall and Dr. Rebecca Hamm.

Click here to read more in Penn Medicine News. Want to know more information about AMETHIST@Penn? Visit their website: https://www.med.upenn.edu/pisce/amethist/

We thank you for your continued support of PISCE.

Contact Us

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PISCE@pennmedicine.upenn.edu

Need a consult? Check out our one-on-one consultation services
Visit our LinkedIn
Check out our YouTube