7th Annual Conference on the Science of Dissemination and Implementation

Transforming Health Systems to Optimize Individual and Population Health

David Chambers, DPhil, NIH
Lisa Simpson, MB, BCh, MPH, FAAP, AcademyHealth
A Big Tent of Terms (and Circles)*

Health Services

Health Services Research

Dissemination Research

Implementation Research

Health Communication Research

Quality Improvement Science

Implementation Science

QI

* The terms according to D.A.C.
The Roots of D&I Research (selected)

→ Lind, Louis, Semmelweis – EBM – 18th/19th centuries (Greenstone, BCMJ, 2009)
→ Cochrane – Effectiveness and Efficiency, 1971
→ Wennberg, Eddy – Practice var, safety, 1970s-1980s
→ Oxman et al – No magic bullets to change, 1995
→ Sackett et al – EBM: What is it and what isn’t it, 1996
→ AHCPR – TRIP/Evidence-based practice centers, 1997
→ VA – QUERI, 1998
→ NIMH – Dissem. research in mental health PA, 1998
→ Trans-NIH D&I research in health, 2005
“PUBLICATION PATHWAY” Balas & Boren, 2000

Original Research
- Dickersin, 1987 (variable)

Submission
- Koren, 1989 (0.5 year)

Acceptance
- Kumar, 1992 (0.6 year)

Publication
- Balas, 1995 (0.3 year)

Bibliographic databases
- Poynard, 1985 (6 - 13 years)

Reviews, guidelines, textbook
- Antman, 1992 (9.3 years)

Implementation

Negative results
- 18%
- Dickersin, 1987

Lack of numbers
- 46%
- Koren, 1989

Inconsistent indexing
- 35%
- Balas, 1995

50%
- Poynard, 1985

Expert opinion

50%

46%

35%

18%
“PUBLICATION PATHWAY” Balas & Boren, 2000

Original Research

It takes

17 years

to turn

14 percent

of original research to the benefit of patient care
Increasing numbers of funding opportunities through AHRQ, CDC, NIH, PCORI, RWJF, WT Grant, and many more

  e.g., > 100 projects through trans-NIH D&I announcements

Comparative Effectiveness of implementation approaches
  Quality Improvement, Organizational Change, Provider Training and Supervision, Financing/Policy Change

Emerging approaches
  Learning Collaboratives, technology as dissemination driver

Methods Development, System Science, Genomic Medicine
Areas Ripe for Exploration

- Sustainability of EBPs in a changing context
- Adaptability/Evolution of EBPs over time
- Implementation of a set of ITVs
- Impact of dissemination strategies on practice
- Scaling up practices across health plans, systems, and networks
- De-Implementation/Exnovation
- Adaptive designs (implementation as a step-wise approach)
Growing Resources

→ Training Programs (e.g. TIDIRH, IRI, MT-DIRC, KT Canada, Universities)
→ Research Infrastructure (CIPRS, CPCRN, HMORN, Other Centers, CTSA Cores)
→ Measurement Tools (GEM-IS, SIRC, SIC, RE-AIM)
→ The Next Generation (100s of trainees)
→ Implementation Science
→ Brownson, Colditz, Proctor (Eds.) *Dissemination and Implementation Research in Health*, 2012
The Current Paradigms for D&I Science
The Future Is Bright!

→ IS as a Pathway for:
  • Improving Health Care
  • Improving Health
  • Improving Knowledge
  • Improving Interventions
  • Reducing/Eliminating Disparities

→ The Ultimate Goal: Practice & Research Co-exist
Annual NIH/VA Meeting(s)

→ 1<sup>st</sup> meeting: “Showcase” (2007)  
   ~350 participants

→ 2<sup>nd</sup> meeting: “Building Capacity” (2009)  
   > 500 registrants

→ 3<sup>rd</sup> meeting: “Methods and measures” (2010)  
   900 registrants

→ 4<sup>th</sup> meeting: “Policy and Practice” (2011)  
   1200 registrants

→ 5<sup>th</sup> meeting: “D & I at the Crossroads” (2012)  
   1200 registrants
A speed bump appears...
6th Annual NIH Meeting(s)

- September 2013: “Training”
  - Chairs: David Chambers, Enola Proctor
  - Synthesis of multiple D&I training programs

- October 2013: “Measurement & Reporting”
  - Chairs: Ross Brownson, Chris Carpenter, Russ Glasgow, Gila Neta, Borsika Rabin
  - Gaps in measurement, reporting platforms

- January 2014: “Research Designs”
  - Chairs: Hendricks Brown, Lori Ducharme
  - Tools to support design decision-making
Planning the 7th Annual Conference (Model)

- Past Experience
- Robust Attendance
- ~200 Abstracts
- ~100 Presentation Slots
- Familiar Hotel
Planning the 7th Annual Conference (Actual)

→ New Partners
→ New Processes
→ New Budgeting
→ 660 Abstracts!!!
→ 114 Reviewers!!!
→ Six Months-ish?
Thank you to the 2014 Program Committee

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<th>David Chambers</th>
<th>Dinari Harris</th>
<th>Harold Perl</th>
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<td>Barry Portnoy</td>
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Thank you to the Executive Committee

NIH/NCI – David Chambers
AcademyHealth – Lisa Simpson
AHRQ – Robert Kaplan
Kaiser – Karen Emmons
NIH/NCI – Cynthia Vinson

NIH/NHLBI – George Mensah
PCORI – Jean Slutsky
RWJF – Alonzo Plough
VA – Amy Kilbourne
WT Grant – Vivian Tseng
Thank you to the Scientific Advisory Panel

David Chambers  Lisa Simpson
Gila Neta       Suzanne Bakken
Gregory Aarons  Gary Bennett
Karen Emmons    Russell Glasgow
Lawrence Green  Loretta Jones

Laura Leviton   Peter Margolis
Glen Mays       Brian Mittman
Monica Peek     Enola Proctor
Anne Sales      Kenneth Sherr
Ken Wells
The 7th Annual Conference…

Pre-registrants: 794
Total Number: TBD (we have a pool going, solely for bragging rights)…
Partnerships for D&I Science (and Meeting Planning)

→ Shared Interests
→ Experience and expertise
→ Understanding of constraints
→ Open and Honest Communication
→ Sense of Humor
→ Good Problem-Solving Skills
→ Patience
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Advancing Research, Policy and Practice to Improve Health and Health Care

Mission:

• Together with its members, AcademyHealth works to improve health and the performance of the health system by supporting the production and use of evidence to inform policy and practice.

We pursue our mission by:

• Advancing the Field to Generate Useful, High-Quality Evidence
• Moving Evidence into Policy and Practice
Programs to Advance the Field

**Scholarships & Fellowships**
- Delivery System Science
- Population Health
- Minority Scholars

**Learning Networks**
- EDM Forum
- PCORI Pilot Projects
- LN

**Methods**
- Methods Council
- Workshops
- Webinars

**Professional Development**
- Education Council
- Student Chapters
- New Investigator Grants
- Senior Scholars
Moving Evidence into Policy & Practice

Translation & Dissemination Institute

Translation & Communications Interest Group

Listening Project

Listening Project
Lessons Project
Innovator in Residence

Member driven
Community Experimenting

Policymaker
3-5 Year Research Needs

eGEMs
Open access, peer-reviewed journal
The science of how we learn

Policy Translation

NIH National Institutes of Health

AcademyHealth
Dissemination and Implementation Conference Resource Center

Welcome to the Resource Center for the 7th Annual Conference on the Science of Dissemination and Implementation: Transforming Health Systems to Optimize Individual and Population Health. This center includes a select collection of dissemination and implementation-related funding announcements, trainings, conferences, tools and toolkits, and publications. Citations for the center were collected from AcademyHealth and other conference cosponsors in order to create a central repository of key resources in the dissemination and implementation field. Please use the links below to view and access the resources in each of the five categories.
The Next Two Days!

- Attendee resources
- Join the conversation!
  - #DIscience14
- Lunch logistics
  - Pre-ordered
  - On-site
  - Informal discussions
- Poster reception
  - Physical & virtual
Peter Pronovost

- Leader in implementation science
- Director of JHU Armstrong Institute for Patient Safety and Quality
- On TIME magazine list of 100 most influential
- Practicing anesthesiologist and critical care physician