Welcome and Overview

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Dr. Kleinman has nothing to disclose
Mundane

• Please complete evaluations
• Please hand in completed CME forms
Advancing QI Science for Children's Healthcare Research (II)

Planning Committee
Michael Cabana
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David Link
Rita Mangione-Smith
Judy Shaw
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Sponsored by:
Academic Pediatric Association
Dept of HE&P, Mount Sinai School of Medicine

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Agenda for Today

• Opening Plenary (Moderator: Rita Mangione-Smith)
  – APA Welcome (Peter Szilagyi)
  – Conference Overview (Larry Kleinman)
  – Keynote (David Blumenthal)
• Breakout Sessions 1  11:00 – 1:00
• Networking Lunch       1:00 – 2:15
• Breakout Sessions 2    2:15 – 4:15
• Networking Break      4:15 – 4:30
• Closing Plenary       4:30 – 5:15
  – Charlie Homer
  – Larry Kleinman
• Optional Networking Dinner @ 7PM
Content (wow!)

• Drs Szilagyi, Blumenthal and Homer!

• Methods
  – Stepped Wedge Designs (Chuan Zhou)
  – Interrupted Time Series (Robert Penfold)
  – Statistical Process Control (Maria Britto & Terry Byczkowski)
  – Large data bases (Michelle Garrison)
  – Risk Adjustment (Larry Kleinman)
  – Discovery Capacity and Formative Evaluations (Laura Leviton)
  – Mixed Methods for QI Research (Shoshanna Sofaer)
  – Patient Registries (David Link)

• Networking (Wilson Pace, Mort Wasserman, Steve Kairys, Raj Srivastava, Charlie Homer)

• Publishing (Jim Perrin, Alex Kemper)
Sublime

• “Advancing QI Science for Children’s Health Care Research”
  – Our name and our purpose
Goals

• Build upon the success of last year’s conference and towards future
• Develop and share strategies to advance scientific soundness of pediatric QI research
• Promote discussion
  – To identify additional strategies and mechanisms for enhancing pediatric QI research
  – Where appropriate, move towards agreement regarding optimal methods for pediatric QI research
• Disseminate and promote use of existing HSR tools for evaluating the impact of pediatric QI
• Improve the health of children through higher quality health care
Objectives for Attendees

• Understand state-of-the-art QI research methodologies, as well as when and how to apply them to future QI intervention evaluations;

• Describe limitations of current methodologies and methods to address these limitations;

• Identify new local, regional and national resources, contacts and collaborators for future QI research activities;

• Propose research and action agendas to advance quality improvement science for children’s health care
Definitions of Quality

• IOM – The degree to which health services for individuals and populations increase the likelihood of desired health outcomes and are consistent with current professional knowledge.

• Doing the right thing, well, for the right person, at the right time
The constituents of quality

• Donabedian
  – Structure / System
  – Process
  – Outcomes

• Coordination of care

• Patient experience of care

• Static constructs
Attributes of Quality (IOM)

Health care should be:

– Safe
– Effective
– Patient-centered
– Timely
– Efficient
– Equitable
Definition of Research

**Systematic investigation designed to develop or contribute to generalizable knowledge**

--DHHS
Quality Improvement

• Seeks to enhance the performance of an organization, system, or other definable entity
• May be one off, or cyclical
• Features of CQI*
  – Iterative
  – Systematic
  – Data Feedback
  – Local orientation
  – Intervention identifies a method to produce change
  – Intervention is designed to produce change
• Dynamic construct

QI Research

• Evaluates a change in clinical performance or outcomes as a result of a defined change
  – Policy, practices, organization, personnel, HIT, etc

• Systematic

• Seeks to produce generalizable knowledge
  – Challenge for case studies

• Or, develops or extends methods used for QI research
Proposed Model for QI

• Extend Donabedian from Static to Dynamic

• Operations of Health Care
  – Entry (access)
  – Assessment & Diagnosis
    • Concern (e.g. symptom, sore throat)
    • Need (e.g. treatable signs or illness, wheezing)
    • Opportunity (e.g., preventable moment, under immunized child)
  – Management
    • Medical decision-making
    • Execution
    • Coordination and follow up
  – Interpersonal Tasks
    • Gather information/history
    • Understand culture / living circumstances
    • Understand individual preferences
    • Develop a therapeutic partnership
Enjoy Your Day

- Please listen, engage, and contribute
- APA QI SIG (Denise Dougherty & David Link)
  - Saturday: 8:30-11:30 a.m.
  - Hynes Convention Center, Room 308
- Dr. Mangione-Smith will introduce Dr. Blumenthal