Evidence Generation in a Learning Health System: 

*Enhancing Clinician Engagement*

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April 20, 2016
Key Points

- Clinician engagement must be throughout the evidence lifecycle, not just its generation.
- The nature of the engagement differs with the clinician’s role.
- The evidence generated will need to focus beyond the clinical encounter.
- Multidisciplinary training is essential.
- Opportunities for clinicians to conduct embedded research and join communities of practice are important.
Clinician engagement must be throughout the evidence lifecycle

- Disseminate and Implement Evidence: Help our members and the field more effectively translate and disseminate their work.
- Identify Evidence Needs: Engage key stakeholders in priority and agenda setting.
- Provide Context and Help Users Evaluate the Strength of Existing Evidence.
- Translate Evidence: Support the governance, methods, and data needed to produce more rigorous and relevant evidence.
The nature of the engagement differs with the clinician’s role

→ All
  – Aligning research priorities
  – **Collecting & interpreting data & evidence**
  – Design of results feedback/user interfaces, inc. data visualization
  – Engaging patients

→ Leadership
  – Data & research stewardship
  – Facilitating & rewarding clinician engagement
The evidence generated will need to focus beyond the clinical encounter

- Increasing focus on
  - Population health & upstream factors
  - Payment reform
  - Overuse/low value care

- Data/evidence on role of
  - Patient/family context
  - Social determinants
  - Costs
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AcademyHealth Scholarships & Fellowship

- 13 opportunities for students, early-, mid- and senior career
- Most linked to attendance at national meetings, e.g.
  - Population Health Scholars
  - Diversity Scholars Network
  - Presidential Scholars
- Six intramurally funded; seven via grants/partnerships
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AcademyHealth Delivery System Science Fellowship (DSSF)

→ Paid post-doctoral experience for researchers to conduct health services research (HSR) in delivery system settings
  – Broad support from employers and educators in the field: 2009 Summit & 2011 HSRLC strategic plan
  – Led by an advisory committee of nationally-recognized experts in the field.
  – Aims to develop the Fellows’ skills and knowledge base, career opportunities, and professional network among learning health systems.
  – Provides hands-on training and professional opportunities for highly qualified researchers with a background in HSR or related fields
Successful Cohorts Since 2013

- A pool of high-caliber candidates to date:
  - 118 applications received
  - 21 candidates have been selected as Fellows, of which:
    - 5 are currently conducting their Fellowship
    - 16 have completed the year-long Fellowship
  - Host sites are currently in the process of interviewing candidates for the 2016 cohort.

- Applicants range from junior and mid-career researchers to seniors researchers desiring a shift in career focus.
Partnering DSSF Health Systems

Over the course of five years, AcademyHealth has partnered with 13 prestigious nationwide health systems including:

- Cincinnati Children’s Hospital Medical Center,
- Cleveland Clinic,
- Geisinger Health System,
- Hofstra North Shore-LIJ School of Medicine,
- Intermountain Healthcare,
- Kaiser Permanente Southern California,
- Mayo Clinic,
- Medica Research Institute,
- New York University Langone Medical Center,
- Palo Alto Medical Foundation Research Institute,
- Providence Health & Services,
- University of California Center for Health Quality and Innovation, and
- U.S. Department of Veterans Affairs Quality Enhancement Research Initiative (QUERI) and Health Services Research and Development Service (HSR&D).
DSS Fellows

- Fellows stem from a wide range of academic and clinical backgrounds with expertise in areas such as:
  - epidemiology
  - organizational behavior
  - anthropology
  - clinical medicine
  - health informatics
  - systems engineering
2016 Workforce Summit

- **Assess the current health services research (HSR) workforce**
  - Overview of workforce makeup
  - Current HSR training capacity
  - HSR field’s “ecosystem”

- **Identify future demand for research**
  - Ways to increase HSR workforce diversity and equity
  - Overview current and project the future status of team-based research (team science)

- **Create an action plan** for the education of health services researchers, including recommendations for life-long learning

- **Share the Strategy**
  - Disseminate an action plan to relevant stakeholders, using a variety of channels and products tailored to different audiences
Communities of Practice & Networks

- Long history
  - From PBRNs → PCORNet
- PopCOP – Population Health Community of Practice
- DALHS – Data and Analytics for a Learning Health System
- MMDN – Medicaid Medical Directors Network
cielo

An open access environment for health analytics

explore, contribute, and collaborate in a safe, open access environment for health data and code
CIELO’s Features Support Ability to Explore, Contribute, and Collaborate

DISCOVERY & REUSE
- Social Curation
- Knowledge Management

CODE & DATA SHARING
- Sharing
- Version control

SOCIAL ENGAGEMENT
- Networking
- Community Feedback
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Questions?

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