



INSTITUTE OF MEDICINE

OF THE NATIONAL ACADEMIES

IOM ROUNDTABLE ON VALUE & SCIENCE-DRIVEN HEALTH CARE

◆ CLINICAL EFFECTIVENESS RESEARCH INNOVATION COLLABORATIVE ◆

MAY 12, 2014

THE NATIONAL ACADEMY OF SCIENCES
2101 CONSTITUTION AVENUE, NW
WASHINGTON, DC

Meeting goals

1. Consider practical, community-wide implementation of a continuously learning health system, using the Lake Nona, FL community as a laboratory.
2. Identify strategies to conduct community-embedded studies using small data, or rich, biometric and behavioral data collected directly from individuals, to help illuminate risk for disease and response to treatment, shape healthy behaviors, and understand health care utilization.
3. Discuss opportunities to further understanding of the interaction of biological factors with psychosocial determinants of health and illness, and environmental factors such as the built environment, in cardio-metabolic syndrome and pediatric allergic diseases.
4. Consider challenges and innovative approaches to the use and interpretation of data from naturalistic observation to inform causal dynamics, predict health care utilization, and understand underlying biological and social determinants.

8:00 am **Coffee and light breakfast available**

8:30 am Welcome, introductions, and meeting overview

Welcome from the IOM
Michael McGinnis, Institute of Medicine

Opening remarks and meeting overview by Collaborative Chairs
Ralph Horwitz, GlaxoSmithKline

Opening comments from Lake Nona
Shehan Dissanayake, Tavistock Group

8:45 am A learning health system laboratory and the Lake Nona opportunity

Testing the theory of a learning health system
Ralph Horwitz, GlaxoSmithKline

Lake Nona community and the Medical City

Thaddeus Seymour, Lake Nona Institute

Deborah German, University of Central Florida College of Medicine

Ken Goldberg, Orlando VA Medical Center

Roger Oxendale, Nemours Children's Hospital

The Life Study

Ronald Kessler, Harvard Medical School

Q&A and Open Discussion

10:15 am

Break

10:30 pm

Improving understanding of complex diseases

Profiling the cardio-metabolic syndrome

Samuel Klein, Washington University

Preserving cognitive and mental capital in our knowledge-based economy

Husseini Manji, J&J

Q&A and Open Discussion

11:30 am

Increasing availability and opportunity in small data

Data collected from mobile systems, and digital services

Deborah Estrin, Cornell Tech

Q&A and Open Discussion

12:00 pm

Lunch

12:45 pm

Illuminating the biology-biography interaction through small data

Questions and data to better understand biological contributions

Bruce McEwen, Rockefeller University (via webcam)

Questions and data to better understand environmental contributions

Mark Cullen, Stanford University

Integrating clinical, biological, and environmental information

Sanford Schwartz, University of Pennsylvania

Q&A and Open Discussion

1:45 pm

Using naturalistic research to make causal inferences

Identifying the right question

Miguel Hernan, Harvard University

Patient-centered analysis

Burt Singer, University of Florida

Q&A and Open Discussion

2:30 pm

Summary and next steps

Moderated discussion of group on opportunities

Ralph Horwitz, GlaxoSmithKline

Summary comments from Lake Nona

Shehan Dissanayake, Tavistock Group

Q&A and Open Discussion

3:30 pm

Summary and next steps from IOM

Comments and thanks from the IOM

Michael McGinnis, Institute of Medicine

3:45 pm

Adjourn