



IOM ROUNDTABLE ON VALUE & SCIENCE-DRIVEN HEALTH CARE

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SYSTEMS APPROACHES FOR IMPROVING HEALTH INNOVATION COLLABORATIVE
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DECEMBER 14, 2012
THE NATIONAL ACADEMY OF SCIENCES, LECTURE ROOM
2101 CONSTITUTION AVENUE, NW
WASHINGTON, DC

Meeting goals

1. Engage leaders from engineering and health care for practical systems-based approaches to achieve best care at lower cost.
2. Identify lessons learned to date in applying engineering principles to health care.
3. Provide observations and insights for the Moore Foundation-supported Hopkins-based ICU patient safety project.
4. Consider priority issues, opportunities, and needs in systems approaches for health.
5. Identify specific projects where collaborative action would advance the field.

8:30 am **Coffee and light breakfast available**

9:00 am	Welcome, introductions, and meeting overview
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Welcome from the IOM and NAE
Harvey Fineberg, Institute of Medicine
Chuck Vest, National Academy of Engineering

Welcome from the Roundtable on Value & Science-Driven Health Care
Michael McGinnis, Institute of Medicine

Opening remarks and meeting overview by Collaborative Chairs
Gary Kaplan, Virginia Mason
Dick Larson, MIT

9:30 am	Systems approaches to health care: participant insights
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Meeting participants each describe their activities, their insights, and their sense of the opportunities and priorities in application of engineering principles for continuous care improvement.

10:30 am	Break
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10:45 am

Systems approaches to improving safety in intensive care units: An initiative

Introduction of one method of embedding a systems approach through the description of a case study in improving safety in intensive care unit environments, including the key challenges, opportunities for improvement, and strategies for success. The session discussion will examine the conceptual framework, the faithfulness of its application, the feasibility of the framework, and the potential for spread.

Patient Care Program of the Gordon and Betty Moore Foundation

George Bo-Linn, Moore Foundation

Overview of Johns Hopkins Initiative on patient safety in the ICU

Peter Pronovost, Johns Hopkins University

Adam Sapirstein, Johns Hopkins University

Alan Ravitz, Applied Physics Laboratory

Observations and perspectives

Pascale Carayon, University of Wisconsin-Madison

Vinod Sabney, IHI/Harvard

12:30 pm

Lunch

1:00 pm

Vignettes in transformation: Using a systems approach to drive continuous learning

Examination of health care organizations that have applied systems approaches to embed learning in their operations, including continuous feedback loops, system design, and continuous improvement in care processes. The discussion will focus on how to spur greater use of systems approaches and increased spread of evidence-proven initiatives.

Eugene Litvak, Institute for Healthcare Optimization

Bill Rouse, Stevens Institute of Technology

2:00 pm

Possibilities for collaborative engagement

Consideration of potential opportunities where collaborative engagement could further the field, with discussion of the areas which would generate greatest value for health care.

Moderator: *Michael McGinnis, Institute of Medicine*

3:00 pm

Summary and next steps

Comments from the Chairs

Thanks from the Roundtable on Value & Science-Driven Health Care

Michael McGinnis, Institute of Medicine

3:30 pm

Adjourn