Digital Infrastructure for the Learning Health System

The Foundation for Continuous Improvement in Health and Health Care
Planning Committee

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Learning Health System Characteristics

**Culture:** participatory, team-based, transparent, improving

**Design and processes:** patient-anchored and tested

**Patients and public:** fully and actively engaged

**Decisions:** informed, facilitated, shared, and coordinated

**Care:** starting with the best practice, every time

**Outcomes and costs:** transparent and constantly assessed

**Knowledge:** ongoing, seamless product of services and research

**Digital technology:** the engine for continuous improvement

**Health information:** a reliable, secure, and reusable resource

**Data utility:** data stewarded and used for the common good

**Trust fabric:** strong, protected, and actively nurtured

**Leadership:** multi-focal, networked, and dynamic
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Identify and explore strategic opportunities for accelerating the evolution of a digital infrastructure that will support and drive continuous improvement in health and health care.

- Foster a shared understanding of the vision
- Explore current state of the system
- Identify priorities for future work
- Discuss characteristics of disruptive developments
- Consider strategy elements and priorities for accelerating progress
Workshops

July: *Opportunities, Challenges, Priorities*
September: *The System After Next*
October: *Strategy Scenarios*

Focus in **4 areas:**
- Technical progress
- Knowledge generation and use
- Patient and population engagement
- Governance
Report

- Synopsis and Highlights
- Common Themes and Principles
- Opportunities, Challenges, and Priorities
- Growing the Digital Health Infrastructure
- Accelerating Progress
Common Themes and Principles

- Build a shared learning environment
- Engage health and health care, population and patient
- Leverage existing programs and policies
- Embed services and research in a continuous learning loop
- Anchor in an ultra-large-scale systems approach
Common Themes and Principles (cont)

- Emphasize decentralization and specifications parsimony
- Keep use barriers low and complexity incremental
- Foster a socio-technical perspective, focused on the population
- Weave a strong and secure trust fabric among stakeholders
- Provide continuous evaluation and improvement
Priority Action Targets

- The case
- Involvement
- Functionality standards
- Interoperability
- ULS test bed

- Technical acceleration
- Quality measures
- Clinical research
- Identity resolution
- Governance and coordination