The Intersection of Genomics and the National “Roll Out” of Health IT

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An “Intersection” Metaphor: The Trans-Continental Railroad
Lessons from the Transcontinental Railroad

• Have a shared goal
  – In our case, a standards-based, interoperable electronic record supporting health care and research
• Progress to the shared goal from where you are
• Agree in advance to standards so everything works when you meet
A Shared Goal

Let's agree on a place to meet.
The Federal Health IT Strategic Plan

**Goal I:** Achieve Adoption and Information Exchange through Meaningful Use of Health IT

**Goal II:** Improve Care, Improve Population Health, and Reduce Health Care Costs through the Use of Health IT

**Goal III:** Inspire Confidence and Trust in Health IT

**Goal IV:** Empower Individuals with Health IT to Improve their Health and the Health Care System

**Goal V:** Achieve Rapid Learning and Technological Advancement

**Bases of Shared Planning**

two-way interaction between research and clinical care, facilitated by health IT, has the potential to accelerate the generation of important new information on medical interventions, personalized treatments and public health initiatives utilizing population-based knowledge.
A Learning Health System

Article:

IOM Report:
Progress from Where You Are

We are here, and making progress

You are here(?)
And making progress
Where We Are with EHRs: Adoption of “Basic” Electronic Health Records Among Office-based Physicians

Source: National Center for Health Statistics, Centers for Disease Control, NAMC (National Ambulatory Medical Care) Survey (mail-only respondents), 2008-2010
Where We Are: Deployment of “Basic” EHRs in Non-Federal Acute Care Hospitals

Source: AHA Annual Information Technology Survey, 2008-2010. Adoption of the EHR is without physician notes and Nursing Assessments functionalities.
Adoption Momentum

• 41% of office-based physicians intend to apply for Meaningful Use incentives (40% “uncertain”)
• 81% of hospitals intend to apply for MU
• ~ 600 certified EHR products (http://onc-chpl.force.com/ehrcert/chplhome)
• Most projections anticipate ~80% adoption by 2019
Agree in Advance to Standards

Let’s be sure the tracks mesh
Standards

• HITECH gave ONC the authority to “adopt” standards and EHR certification criteria
• Adopted standards are those required for Meaningful Use
• Genomics: Primarily your show, but let’s stay in touch
• We must work together on the phenomics now
  – Code the same things the same way
  – Genetic test results
  – Family Health History
Summary

- **Shared Plan:** We share a general vision of a place to meet. It probably needs to be formalized.

- **Progress:** We are both making progress. A clearer shared vision and tighter collaboration will help us stay “on track”.

- **Standards:** There are things we need to do now.

- **Also,** there are big issues of privacy and security that we need to work on together.
Thanks and Write to me

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