



Connecting America
for Better Health

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

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An “Intersection” Metaphor: The Trans-Continental Railroad



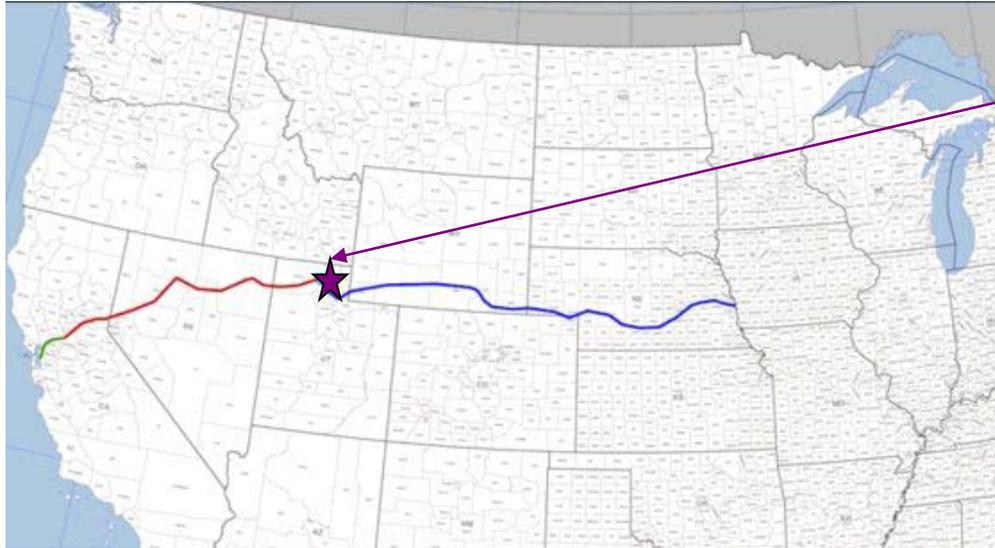
Lessons from the Transcontinental Railroad



- 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

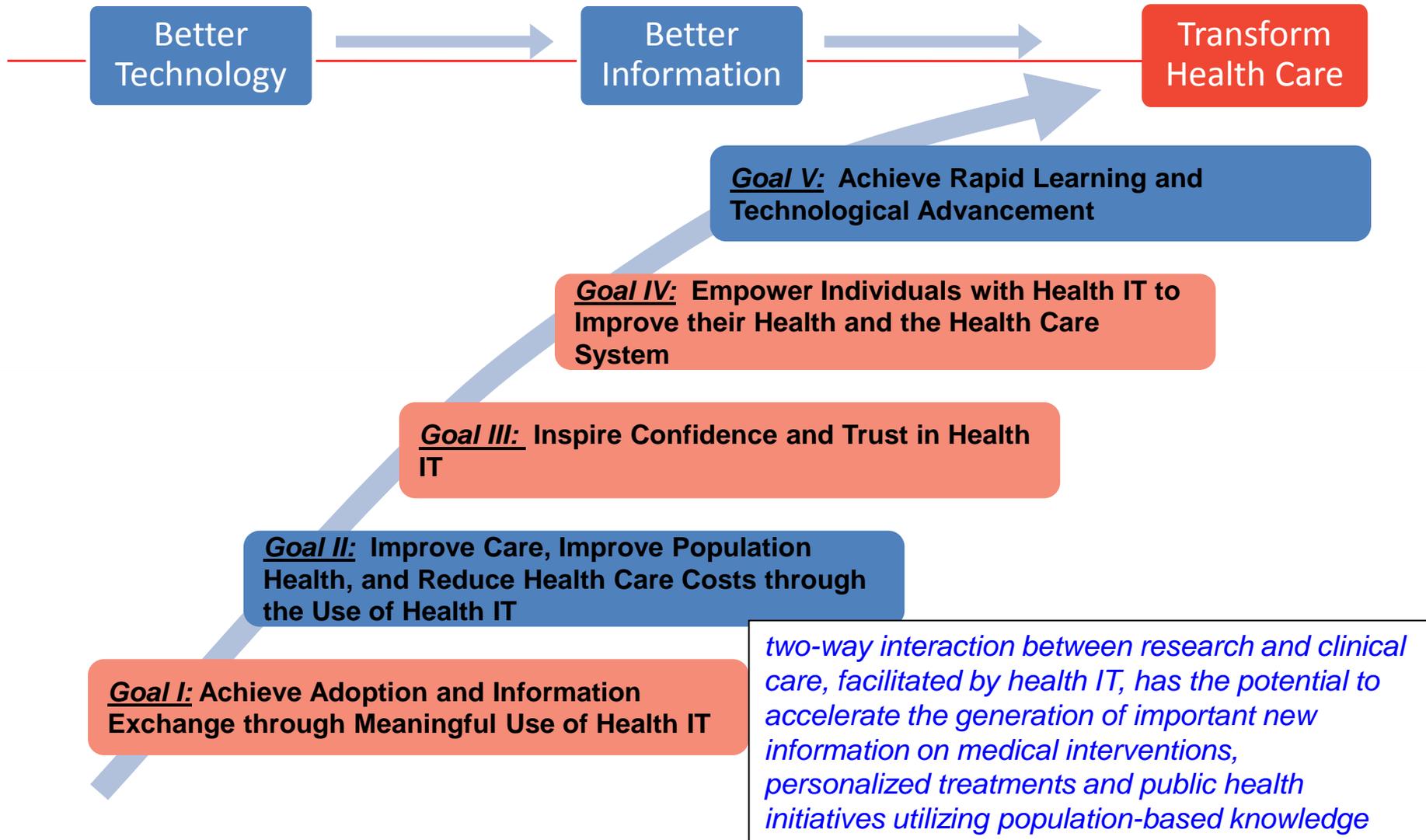


Let's agree on a place to meet.



Bases of Shared Planning

The Federal Health IT Strategic Plan





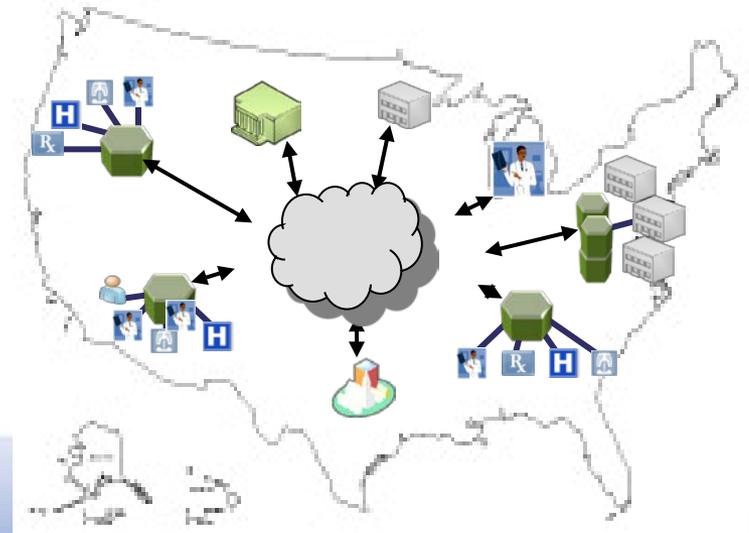
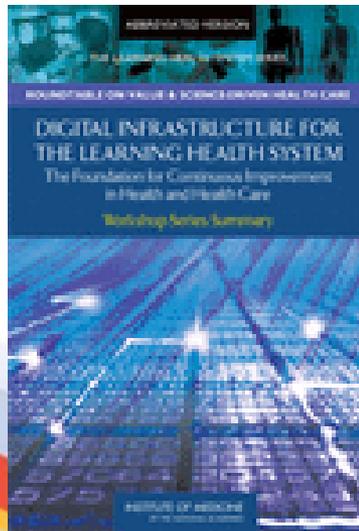
A Learning Health System

Article:

Friedman CP, Wong AK, Blumenthal D. Achieving a Nationwide Learning Health System. *Science Translational Medicine*: 2, 1-3, 2010.

IOM Report:

<http://www.iom.edu/Reports/2010/The-Digital-Infrastructure-for-a-Learning-Health-System.aspx>





Progress from Where You Are

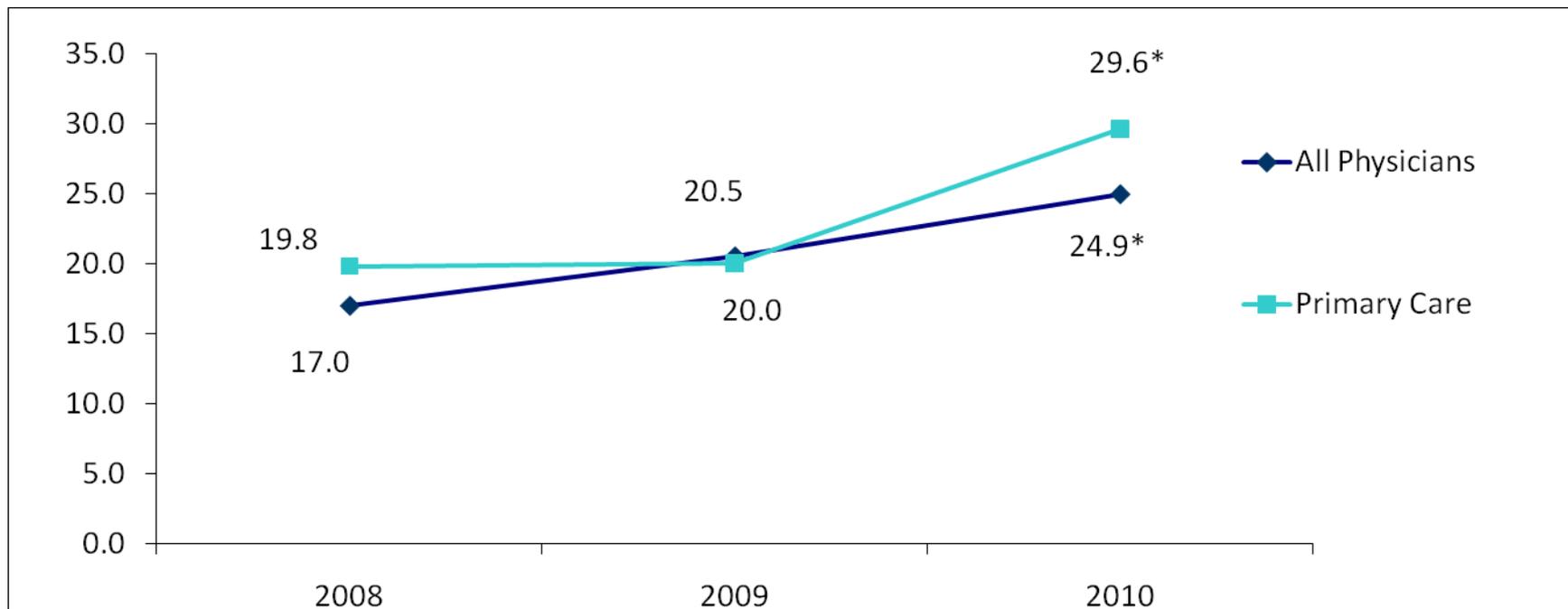


We are here, and making progress

You are here(?)
And making progress

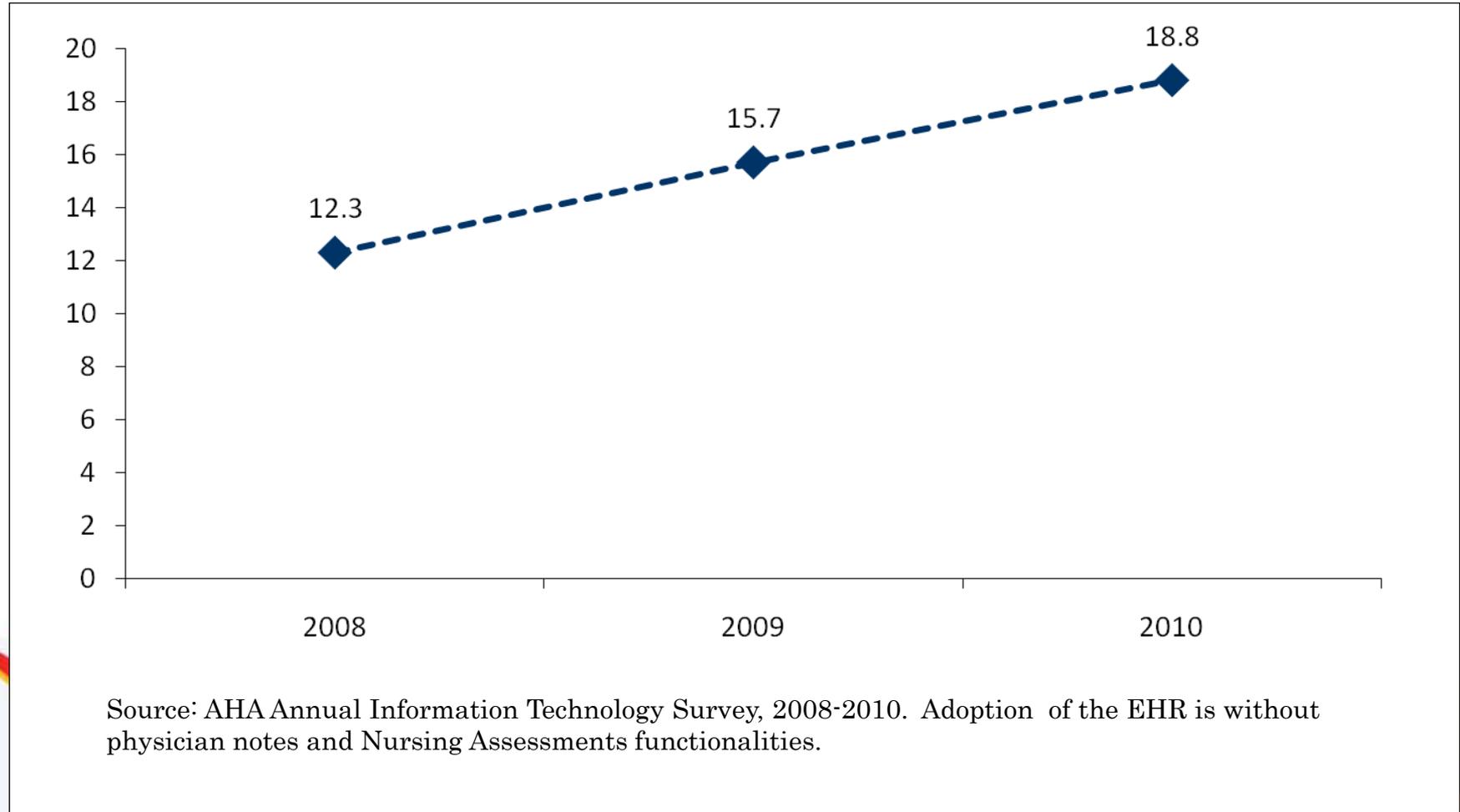


Where We Are with EHRs: Adoption of “Basic” Electronic Health Records Among Office-based Physicians



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





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://onchpl.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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Healthit.gov