Health Level Seven Panel—What’s Holding Us Back?

April 27, 2016
Too Many Cooks in the Kitchen?
What Physicians Care About

“We found that, when physicians perceived themselves as providing high-quality care … they reported better professional satisfaction. Conversely, physicians described obstacles to providing high-quality care as major sources of professional dissatisfaction.”
The Shift to Value-based Payment/Delivery Models

- The federal government (MACRA) is going to “throw the switch” on how we pay for care
  - Still trying to define what and how to measure
- Today’s infrastructure was built to support a pay for volume model
  - Legacy technology is limited in its ability to meet requirements for a learning health care system
Building a Learning Health Care System

Requires the Free Flow of Information

Connect Clinic to Community
- Support for virtual and asynchronous care models
- Patient and care givers as active collaborators
- **Value** is not just lower cost and better clinical endpoints
  - Each stakeholder may define value differently
  - New terminologies will be required
- **Network effect** benefits all stakeholders

Restoring the Joy of Practice
- **Enhance the patient-care team relationship**
- Support team-based care
- Reduce administrative and regulatory burden
- Technology that supports new payment models

A Network of Networks
- Establish trust through shared governance
- **Develop standards** for information sharing that unlock the value in diverse systems
- **Implement standards in a standardized way**
- 24x7 operations
What is Your Definition of Value?

*Where's the beef?*
Why Do Network Effects Matter?

“Simply put, a network effect occurs when a product or service becomes more valuable to its users as more people use it.”

Source: Andreessen Horowitz “Network Effects Primer” March 2016
Still Playing Information Sharing “Small Ball”

- Focused exclusively on the EHR, but
- ACA/HITECH excluded key players and technologies
  - Post acute care
  - Behavioral care
  - Pharmacy
  - Medical devices and digital health
- Ability to exchange data should not be confused with *semantic interoperability* and support for value-based decision making
  - Coding schemes are still largely limited to diagnosis and procedures
  - Valuable information from the *patient narrative* is still not accessible
The Importance of “Full” Semantic Interoperability

*When only represented by ICD and CPT codes, this AIDS patient ‘looks’ the same...*  
Additional data standards are needed to fully measure outcomes

Source: WHO
A Much Larger Ecosystem Needs to be Addressed

Data is the Wiring
Actionable Information for Each Part of the Ecosystem and Each Stakeholder is the Goal

Source: Frost & Sullivan
Discussion