

The Office of the National Coordinator for  
Health Information Technology



# HITSC 2012 Workplan/ Update from ONC's **Office of Standards & Interoperability**

HIT Standards Committee  
January 25, 2012

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Putting the **I** in **HealthIT**  
[www.HealthIT.gov](http://www.HealthIT.gov)

# Refresher from December 14

Q1

- MU2 response
- Governance response
- QM standards
- NWHIN stds criteria
- Value sets/mapping

Q2

- NWHIN portfolio (extended)
- Query Health review
- Imaging Stds
- Vocabulary

Q3

- Standards Strategy
- Consumer-mediated info exchange
- One-stop-shop for resources
- GreenCDA

Q4

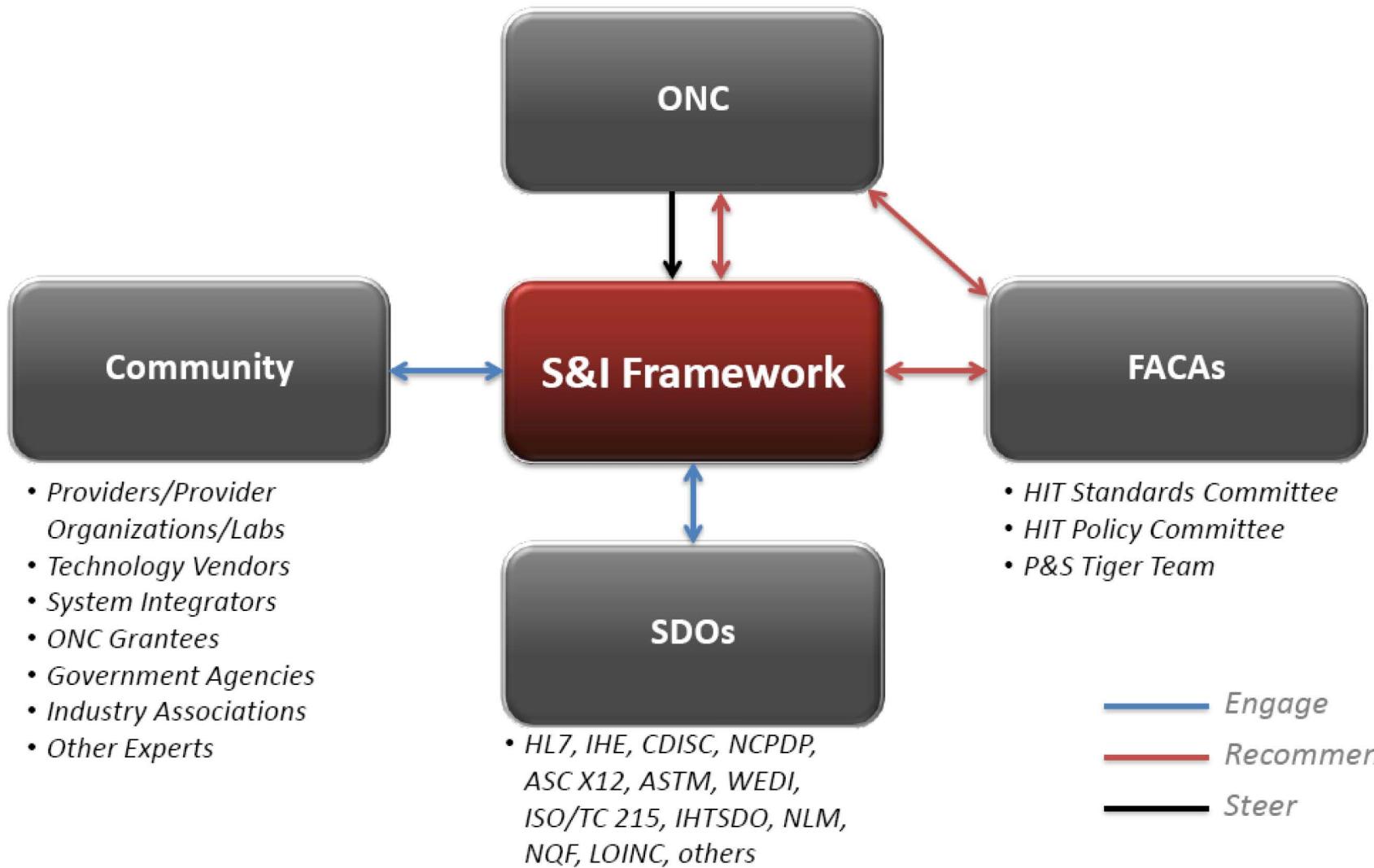
- Maintenance strategy for stds
- Public Health
- Data/Practice Portability
- APIs/tools

# Updates from ONC

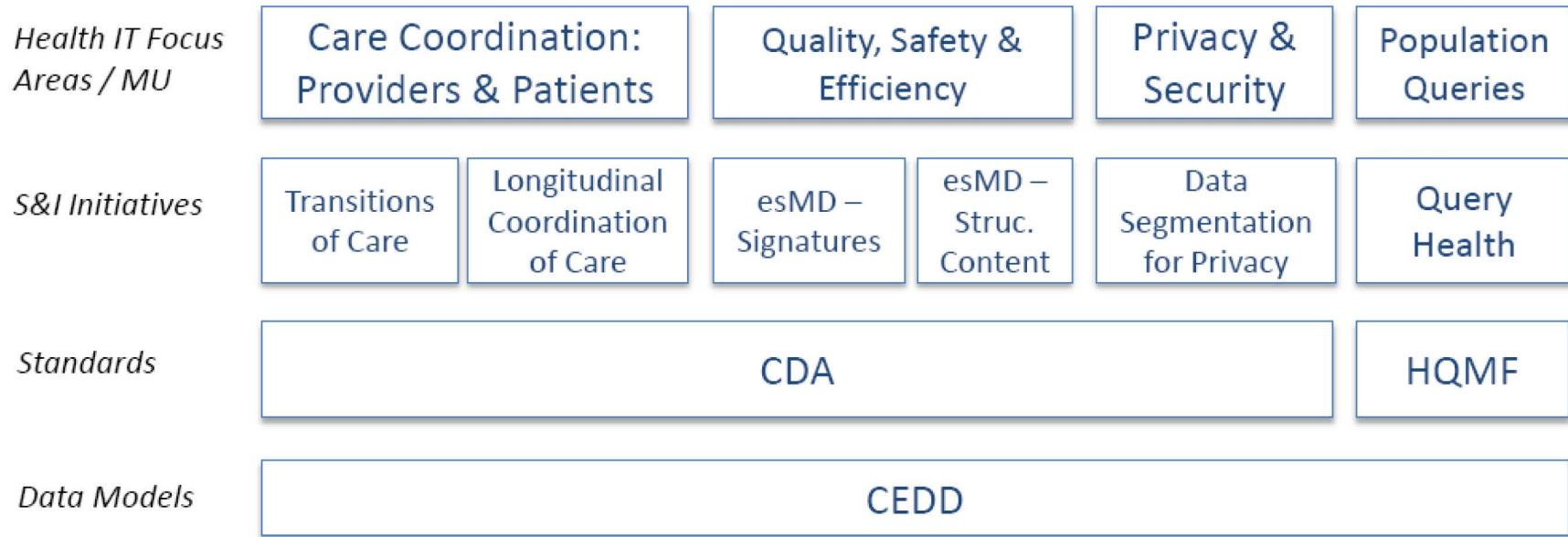
# The S&I Framework

- **S&I Framework Approach:**
  1. Create a collaborative, coordinated incremental standards process,
  2. ... guided by ONC, with input from Federal Advisory Committees,
  3. ... enabled and led by the an open community of industry participants
  4. ... who are interested in solving real world problems
- **Value created through this approach:**
  - Solve real-world issues to enable health information exchange
  - Create leverage for ONC and other initiative sponsors by harnessing the expertise and passion of the community to solve problems
  - Empower the community to create the best solutions for interoperability and standards adoption

# How S&I Framework relates to the rest of the HIT Standards Ecosystem



# S&I Initiatives: Foundations for a Learning Health System



*Note that, for simplicity, some layers of the Portfolio Strategy stack have been omitted*

# S&I Initiatives: Labs and Public Health

Putting the I in Health IT  
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*Health IT Focus Areas / MU*

Care Coordination: Labs

Public Health

*S&I Initiatives*

Lab Results Interfaces

Lab Orders Interfaces

Public Health Reporting

(HITSC) Immunizations,  
Biosurveillance, TBD

*Standards*

HL7 2.5.1

*Data Models*

TBD

*Note that, for simplicity, some layers of the Portfolio Strategy stack have been omitted*

# S&I Initiatives: Directories

*Health IT Focus Areas / MU*

Care Coordination: Directories

Quality, Safety & Efficiency

*S&I Initiatives*

Certificate Interoperability

Cert. Discovery for Direct

Query for Electronic Services

esMD – Provider Profiles

*Standards / Framework*

FPKI

DNS+LDAP

TBD  
(HPD, X12, SOAP REST, Microdata)

*Data Models*

Not Applicable

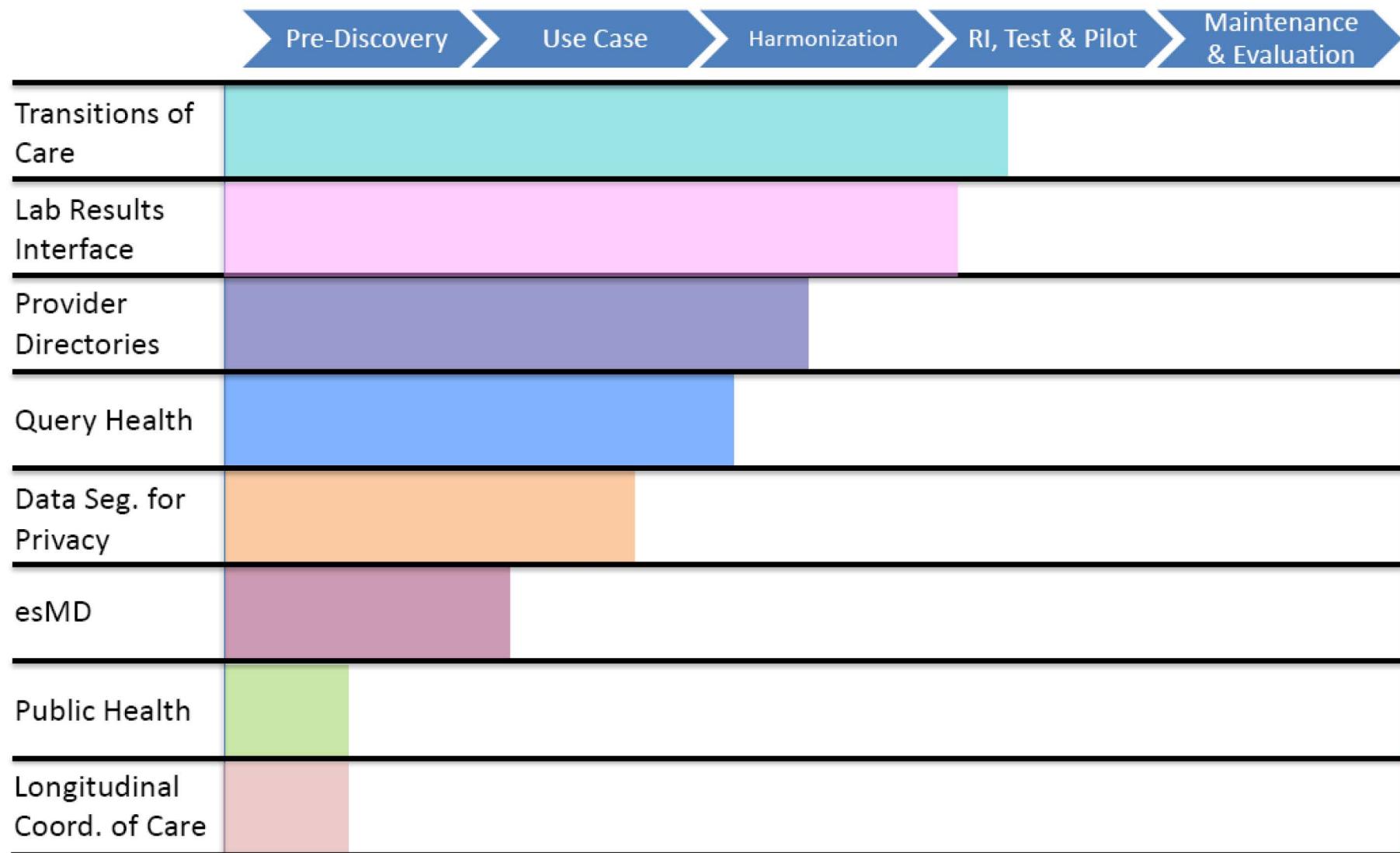
ESI Object Model

*Note that, for simplicity, some layers of the Portfolio Strategy stack have been omitted*

# Current S&I Initiatives: Overview

Initiative (chronological)	Value Created
<b>Transitions of Care</b>	Defines standardized content that enables electronic exchange of core clinical information among providers, patients, and other authorized entities to improve coordination of patient care
<b>Laboratory Results Interface</b>	Standardizes results reporting to ambulatory primary care, in support of Meaningful Use objectives for decision support, quality reporting, and transitions in care
<b>Provider Directories</b>	Provides a scalable, standardized solution to discover digital certificates, and an extensible model to query for electronic service information to facilitate health information exchange
<b>Certificate Interoperability</b>	Enables providers to electronically exchange and protect electronic health information created or maintained by certified EHR technology
<b>Query Health</b>	Focuses on establishing standards for distributed queries, which can increase the ability to understand macro health trends, proactively respond to disease outbreaks, understand the efficacy of drug treatments, and contribute to reduction of healthcare costs
<b>Data Segmentation for Privacy</b>	Enables the implementation and management of electronic health information exchange disclosure policies allowing providers to share specific portions of an electronic medical record
<b>Electronic Submission of Medical Documentation</b>	Gives CMS and other relevant Payers the ability to send electronic medical document requests, and investigates options to replace providers' wet signatures with an electronic equivalent
<b>Public Health Reporting</b>	Enabling a standardized approach to electronic public health reporting from EHR systems to local, state and federal public health programs
<b>Longitudinal Coordination of Care</b>	Enables care coordination across long-term, post-acute and other non-hospital settings. Builds on existing work, including S&I Transitions of Care initiative

# Current S&I Initiatives: Lifecycle View



# Current S&I Initiatives: Operating Metrics (12 Jan 2012)

## How long has it been?

Framework Launch Date	Jan 7, 2011
First Initiatives Launched	Jan 31, 2011
Elapsed Time (as-of today)	1 Year

## How much effort have we put in?

# Wiki Registrants	1,002
# Committed Members	457
# Committed Organizations	335
# Working Sessions Held	675
# Days Between Sessions*	0.4

## How much have we accomplished?

# Use Case Artifacts	17
# Harmonized Segments/Sections	150
# RI/Test Artifacts	64
# Pilots Committed or In Discovery	20+
# Pilot Vendors	25+
# Pilot Healthcare Organizations (e.g. hospitals, HIEs)	35+
HL7 Ballots	3
# Ballot Comments Received	1,854
# Ballot Comments Resolved	1,479

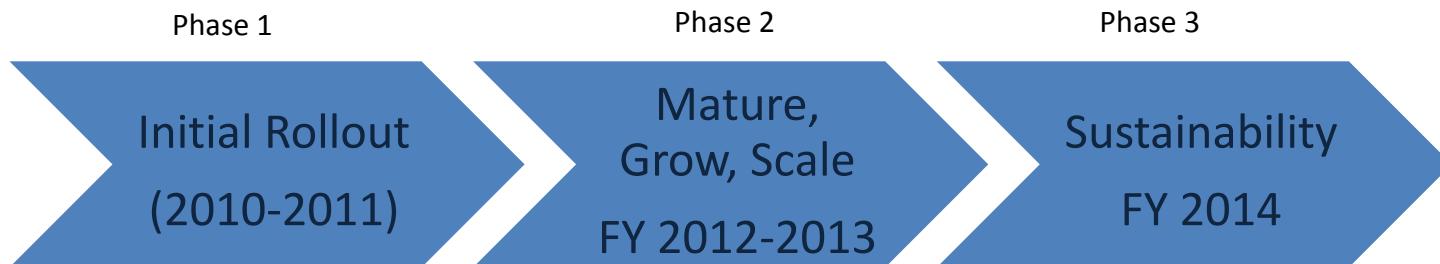
\* Assumes 260 working days per year

# NwHIN Exchange Update

Putting the I in Health   
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# Strategic Road Map: Transition to Sustainability

Putting the I in Health IT  
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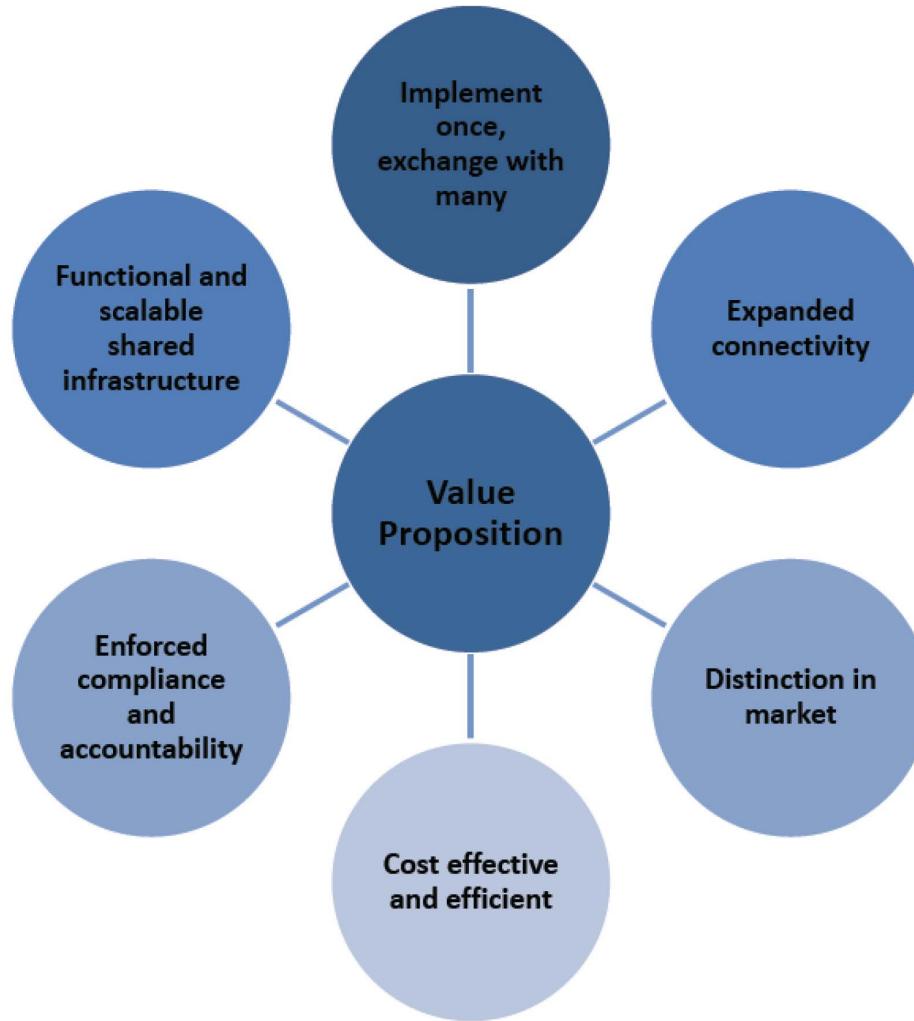


- Early adopters
- Shared services
- Federal business cases
- Early lessons learned
- Success / viability
- Plan for transition
- Define strategic road map
- Refine and scale
- Expand value cases
- Grow participation / volumes
- Align with governance rulemaking and national standards
- Transition to non-profit org
- Implement sustainability model

## Non-profit organization (501c3)

- Provides shared governance and infrastructure
- Expands connectivity (test once, exchange with many)
- Provides assurance of interoperability in production
- Holds participants accountable, with ability to revoke privileges
- Provides common platform for a variety of exchange modalities
- Aligns with but not solely limited to nationwide health information network standards, services and policies

# Value Proposition



# Exchange Transition Milestones

Bringing the IT to Health IT  
www.HealthIT.gov

Activity	FY 2012				FY 2013			
	Oct – Dec (2011)	Jan – Mar (2012)	Apr – Jun (2012)	Jul – Sept (2012)	Oct – Dec (2012)	Jan – Mar (2013)	Apr – Jun (2013)	Jul – Sept (2013)
Finalize Plan and Strategic Road Map		Plan		Strategic Road Map				
Bridge funding available		ONC	Fed	Private				
Engage key staff and legal services		3 Staff	Legal					
Support Organization		Criteria Select		Operational				
Testing Strategy		Criteria	Select	Start	Operational			
Infrastructure		Procure	Start UDDI	Procure CA	Start CA			
Sustainability Model				Build critical mass of connectivity				

Sustainable Business  
★

- On boarding, UDDI and CA support contract ends – 6/28/12
- Testing contract ends – 8/4/12
- ENTRUST contract ends – 11/1/12

ETB = Exchange testing body