



The Office of the National Coordinator for
Health Information Technology



S&I Framework Update

HIT Standards Committee

November 13, 2013

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Putting the **I** in Health **IT** 
www.HealthIT.gov

Timing

Framework Launch Date	Jan 7, 2011
First Initiative Launch Date	Jan 31, 2011
Elapsed Time since Initiative Launch (as-of today)	33 months

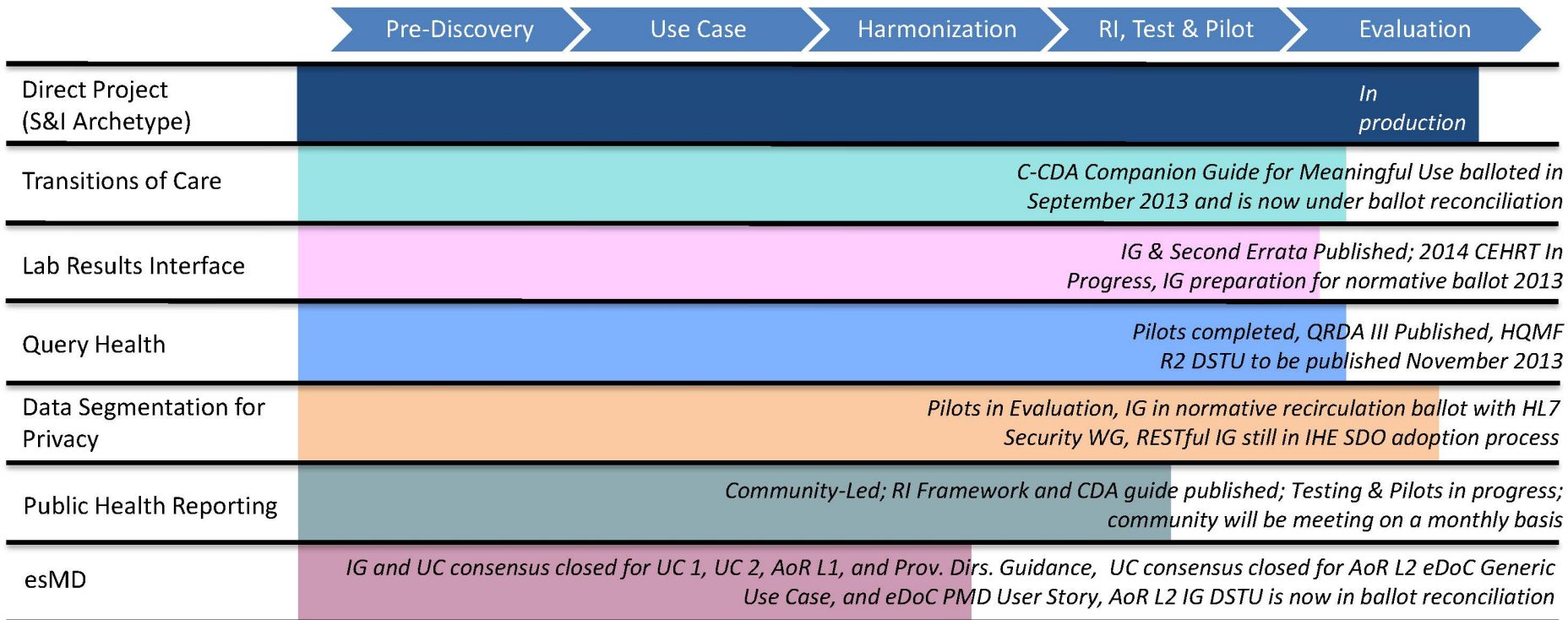
Participation & Process

# Wiki Registrants	2732
# Committed Members	757
# Committed Organizations	580
# Working Sessions Held	2,038
S&I Face to Face meetings	3
Standards Organizations engaged	35
S&I Monthly Newsletter Editions	21
SDS Newsletter Subscribers	1,925

Outputs

# Consensus Approved Use Cases	19
# Pilots Committed	39
# Pilot Vendors	42
Total Ballots	24
# Total HL7 Ballot Comments Received	5,983
# HL7 Ballot Comments Resolved	3,766

S&I Initiative Portfolio Snapshot



S&I Initiative Portfolio Snapshot, continued



	Pre-Discovery	Use Case	Harmonization	RI, Test & Pilot	Evaluation
Longitudinal Coordination of Care	<i>Community-Led; 1st UC Complete; PAS SWG Complete; Created 'Care Plan' Glossary for HITPC & HL7; Use Case 2: Care Plan Exchange Complete; C-CDA updates for Sept HL7 Ballot in ballot reconciliation; Pilots SWG launched 9/16</i>				
Laboratory Orders Interface	<i>Second Ballot reconciliation in process for LOI IG; Lab pilot efforts include LOI and eDOS ; Target publication November 2013</i>				
Health eDecisions	<i>Use Case 1: Knowledge Artifact Sharing Model, Schema and IG was approved by HL7, UC 1 Pilots Complete. Use Case 2: CDS Guidance Service achieved consensus. Balloted 4 HL7 specifications in September 2013. Preparing for UC2 pilots.</i>				
Blue Button Plus	<i>Push & Pull IG's complete – now focused on adoption/implementation. Pilot WG in planning; Re-starting Payer WG to complete payer guidance.</i>				
Structure Data Capture	<i>Use Case & Standard solution plan consensus complete ; IG development in progress. Form SWG working on schema development. Public Health SWG in User Story review. Pilots planning has begun.</i>				
EU/US eHealth Cooperation	<i>Continuing to support 2 work groups: Interoperability WG – in process of developing a Use Case for completion by mid December & Workforce Development. WG – mapping skills within Acute Care setting to roles in EU and US</i>				
Data Access Framework	<i>Working on the development of the Local Data Access Use Case, targeted to be consented by EOM November/early December</i>				
PDMP – HIT Integration	<i>Project Charter Drafted, Kickoff scheduled for 11/14</i>				

Charter/Scope Summary

- The Use Case focuses on the generic Functionality required to access a form or template, generated by a CDE, form, or template library, displayed in an EHR system and saved/stored in a structured, standardized format sent to an External Data Repository
 - Identified Content Work stream SWGs
 - Patient-Centered Outcomes Research (PCOR) (NLM)
 - Common Formats (AHRQ)
 - Technical Work stream SWG focused on development of four guidance areas: CDE Structure, Form/Template Structure, EHR-Interaction, and Auto-populate

Leadership Team

- Initiative Coordinator: Evelyn Gallego
- ONC Lead: Farrah Darbouze
- SME (ONC): Jamie Skipper, Jiuyi Hua
- External SME: Lisa Lang (NLM), Amy Helwig (AHRQ)
- Community Standards SWG Lead: Dr. Ken Pool

Current Status

- Two Implementation Guides are targeted for development based on REST/OAuth & SOAP/SAML
 - SOAP/SAML IG will be balloted through IHE as an SDC Quality, Research and Public Health (QRPH) Content Profile
 - REST/OAuth IG is planning on attempting a ballot through HL7 once FHIR resources are created
- Technical work streams:
 - Forms SWG kickoff was 6/5 - Led by AHRQ, NLM – *now drafting relevant IG sections for incorporation*
 - Standards SWG kickoff was 7/11 – *recommendations transitioned to IG development as of 8/29*
- Charter approved through consensus on 3/15/2013
- Use Case approved through consensus on 5/30/2013
- Standards solution plan has gone through consensus and will be established 9/17 after the publication of the IHE ITI Volume 10 Framework with updates made to the RFD Profile
- Public Health SWG is undergoing User Story review
- Pilot Outreach continues

Charter/Scope Summary

The value of the DAF initiative will be demonstrated through two work streams that enable providers to access their own patient's data both locally and externally

Local Data Access: A standardized way for providers to access their own patient(s)' data within the health organizations internal Health IT system

Targeted Data Access: A standardized way for providers to access a *known* individual patient's data from an external organization

The Initiative will leverage existing industry standards to create a framework that demonstrates modularity and substitutability for a limited set of standards combinations based on identified business requirements of the community.

Leadership Team

- Initiative Coordinator: John Feikema
- ONC Lead: Mera Choi

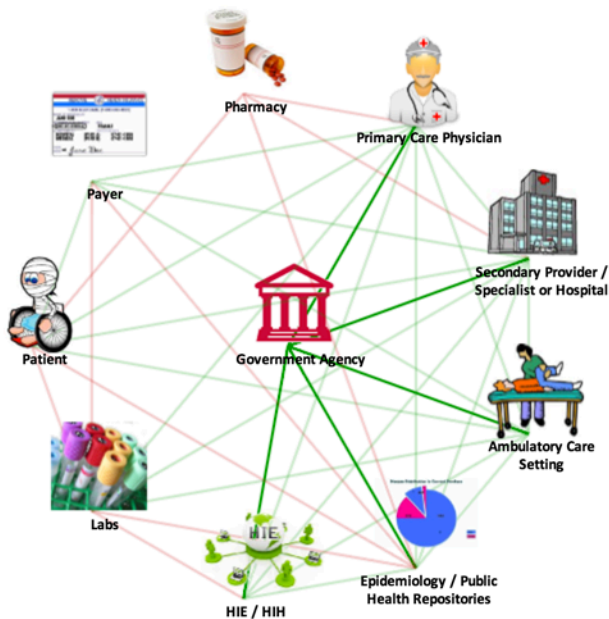
Current Status

- Discussed addition of 3rd User Story to Local DAF Use Case about Patient Portability 10/23
- Introduced and began discussing Data Requirements 10/23
- Local DAF Use Case is targeted to be concluded with consensus by 11/20
- DAF IHE Brief Proposal was accepted as a white paper into the Patient Care Coordination domain of IHE 10/09. PCC technical meetings will take place 11/12-11/13 to review DAF white paper.
- Targeted Data Access Workstream to develop Use Case from Late November- Mid January 2013

- MUSICO is a graphical tool that allows a user to explore existing relationships among roles (patient, primary care provider, etc.) based on initiatives and their associated standards and Meaningful Use requirements.
- MUSICO can also be used for gap analysis, i.e., where is there a need for standards that address interoperability needed in the health IT infrastructure.

Initial view is the graph of actors along with instructions for use:

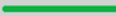
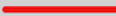
Meaningful Use - S&I Framework Coordination (MUSICO)



MUSICO allows you to view the relationships between the different parties involved in the healthcare ecosystem as they relate to Meaningful Use and Standards Development

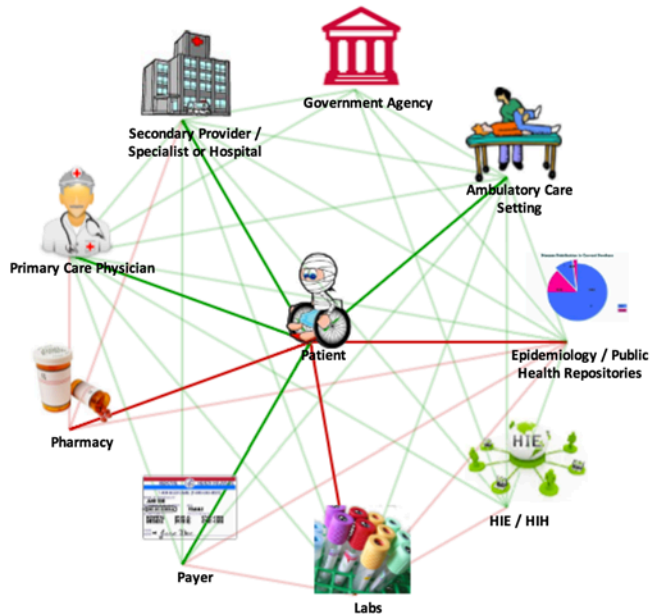
Instructions:

1. Left-Click on an actor to bring it to the center of the visualization tool
2. Right-Click on a second actor to view the S&I initiatives that share the relationship between the two actors

KEY	
	Exists in S&I
	Initiative TBD
(No Line)	No Relationship Exists

After selecting a pair of actors (E.g., Patient and Ambulatory Care Setting) MUSICO displays the associated Initiatives and applicable MU Alignment and Standards:

Meaningful Use - S&I Framework Coordination (MUSICO)



Patient ↔ Ambulatory Care Setting

Initiatives

Blue Button+ (BB+)

Initiative Description: Blue Button+ gives users the ability to obtain their healthcare records in a human-readable and machine-readable format; and to send them where they choose. Through Blue Button+, consumers will have the ability to exercise more access to and portability of their health care information. With the right privacy and security assurances, they will be able to:

- Better understand their health and make more informed decisions
- Help to make sure that they and all of their care team members are on the same page
- Improve the accuracy and completeness of the information
- Plug it into apps and tools that promise to make information truly available, when and where it is needed

Meaningful Use Alignment

- Improve Quality
 - Use of Automated Blue Button (SGRP 204A)
- Engage Patients & Family
 - View/Download/Transmit (SGRP 204A)

Standards in use

- Direct
- Consolidated-CDA
- OAuth 2.0 & Open ID
- FHIR

- Other views of the relationships:
 - A graph with with initiatives at the nodes, with the links defined by common standards.
- A search capability:
 - Select or search for a standard, and the graph will display all the initiatives that use that standard.

ONC website:

www.healthit.gov/

Putting the **I** in Health**IT** 

S&I Framework Wiki:

<http://wiki.siframework.org/>

 **S&I FRAMEWORK**