The Office of the National Coordinator for
Health Information Technology

S&I Framework Update

HIT Standards Committee
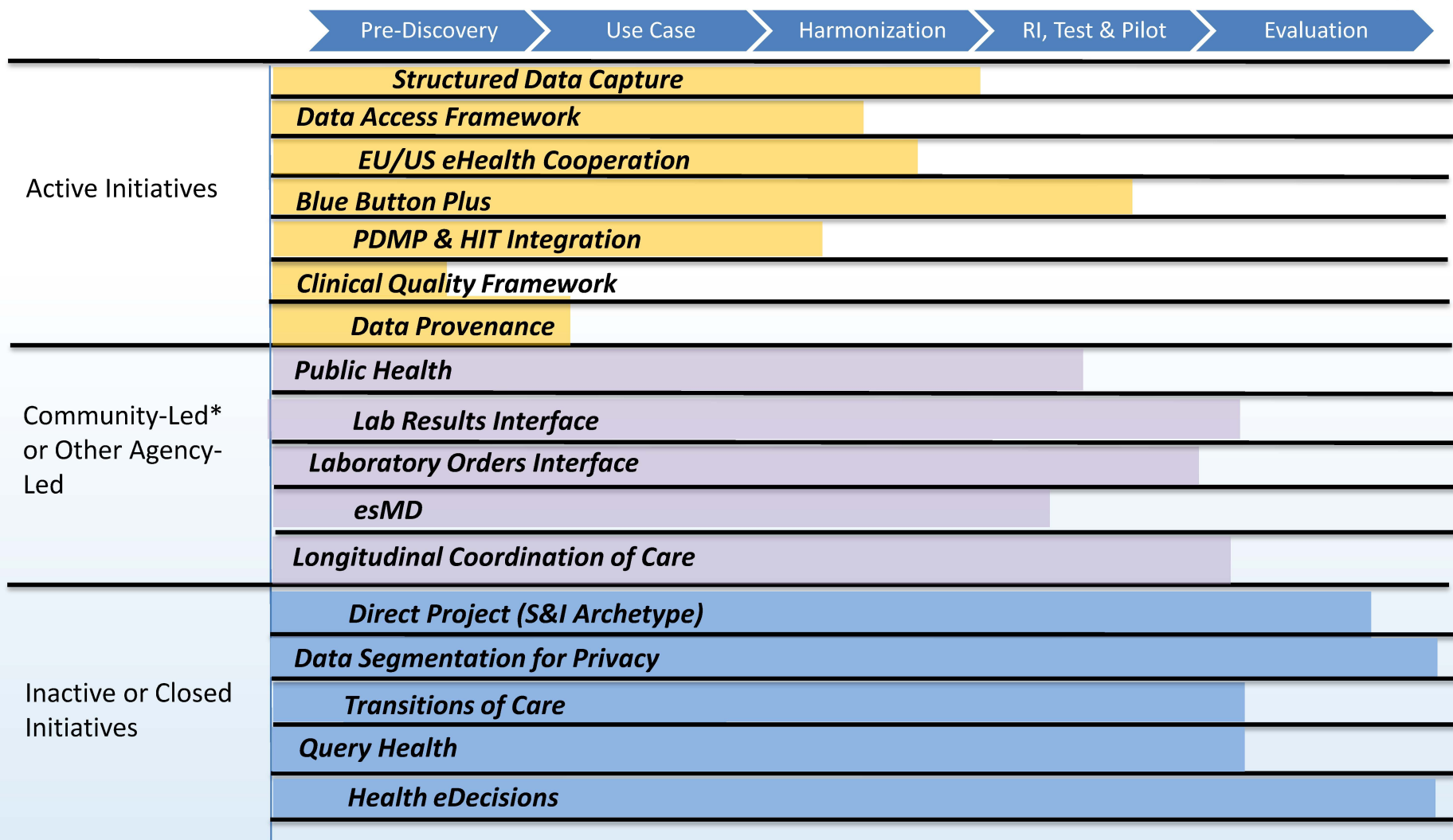
June 17, 2014

Office of the National Coordinator for Health IT
Office Standards & Technology

Putting the I in Health IT
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The S&I Framework

- ONC kicked-off the Standards & Interoperability Framework in 2010.

- The S&I Framework is an open, collaborative community made up of stakeholders from the public and private sectors.

- Each S&I initiative is focused on a critical interoperability challenge and does so through a well defined process that includes:
  - Development of clinically-oriented user stories and use cases.
  - Harmonization of interoperability specifications and implementation guidance.
  - Real-world experience and implementer support through new initiatives, workgroups and pilot projects.
  - Mechanisms for feedback , evaluation, and implementation testing.

- ONC supports this infrastructure with project management, SMEs, coordination tools, and other resources to support accelerated work timelines.

- To date, 14 initiatives have resulted in technical solutions to facilitate standardized, interoperable healthcare information exchange.

S&I Initiative Portfolio Snapshot:

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	Pre-Discovery	Use Case	Harmonization	RI, Test & Pilot	Evaluation

Active Initiatives

- *Structured Data Capture*
- *Data Access Framework*
- *EU/US eHealth Cooperation*
- *Blue Button Plus*
- *PDMP & HIT Integration*
- *Clinical Quality Framework*
- *Data Provenance*

Community-Led* or Other Agency-Led

- *Public Health*
- *Lab Results Interface*
- *Laboratory Orders Interface*
- *esMD*
- *Longitudinal Coordination of Care*

Inactive or Closed Initiatives

- *Direct Project (S&I Archetype)*
- *Data Segmentation for Privacy*
- *Transitions of Care*
- *Query Health*
- *Health eDecisions*

S&I Initiative Alignment with HITSC Workgroups

S&I Initiative	Relevant HITSC Workgroup
Structured Data Capture	• Content Standards WG (Documents/ Data) • Architecture, Services and API's WG
Data Access Framework	• Content Standards WG (Documents/ Data) • Transport and Security Standards WG • Architecture, Services and API's WG
EU/US eHealth Cooperation	• Content Standards WG (Documents/ Data) • Semantic Standards WG (Vocabularies/Information Models)
Blue Button Plus	• Architecture, Services and API's WG • Content Standards WG (Documents/ Data)
PDMP & HIT Integration	• Content Standards WG (Documents/ Data) • Semantic Standards WG (Vocabularies/Information Models)
Clinical Quality Framework	• Semantic Standards WG (Vocabularies/Information Models) • Content Standards WG (Documents/ Data)
Data Provenance	• Transport and Security Standards WG

CURRENT S&I INITIATIVES DEEP DIVE

Structured Data Capture (SDC)

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Charter/Scope Summary

Identifies the functional and technical specifications to enable an EHR system to retrieve, display, and fill a structured form or template, and store/submit the completed form to an external repository
Content Work stream SWGs

- Patient Safety Event/Adverse Event (PSE/AE) Pilot SWG; focus on identification of CDEs/Forms (semantics) and execution of SDC Pilots
- Patient-Centered Outcomes Research (PCOR); focus on identification of a subset of CDEs/Forms and execution of SDC Pilots
- Public Health Tiger Team: focus on identification of CDEs and value sets for SDC PH Pilots

Technical Work stream SWGs

- Focused on development of four guidance areas: CDE Structure, Form/Template Structure, EHR-Interaction, and Auto-populate
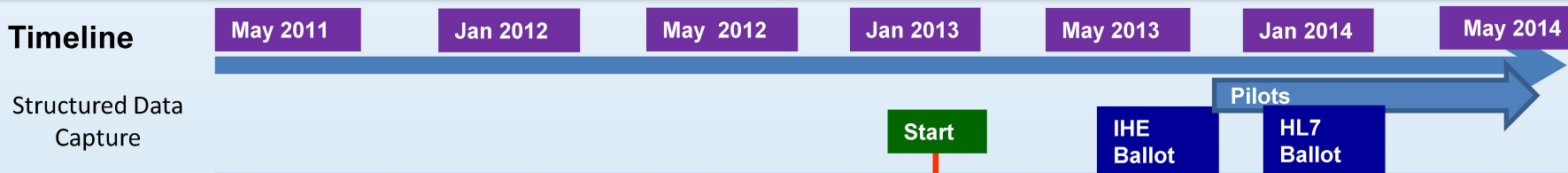
Leadership Team

- *Initiative Coordinator*: Evelyn Gallego
- *ONC Lead*: Farrah Darbouze
- *SME (ONC):* Mark Roche, Amy Helwig
- *External SME:* Lisa Lang (NLM), Glenn Englemenn & Bill Munier (AHRQ), Mitra Rocca & Isaac Chang (FDA)
- *Community Lead:* Dr. Ken Pool (Standards SWG); Dr. Rory Jaffe (PSE/AE SWG)

Outputs

- Use Case 05/2013
- IHE Content Profile 12/2013
- SOAP/SAML Implementation Guide 3/2014
- IHE Profile Ballot 06/2014
- PSE/AE Workflows 5/2014
- IHE Profile Publication for Trial Impl. 04/2014
- SDC Pilots at IHE Connectathon (01/2015)
- HIMSS 2015 (04/2015)
- HL7 SDC FHIR Profile Ballot 01/2015
- FHIR Pilot Winter 2015

Timeline

May 2011	Jan 2012	May 2012	Jan 2013	May 2013	Jan 2014	May 2014

Structured Data Capture

Start

Pilots

IHE Ballot

HL7 Ballot

Current Status:

- Two Implementation Guides are targeted for development based on SOAP/SAML & HL7 FHIR Profile standards
  - SDC SOAP/SAML IG: Consensus achieved and final SOAP/SAML IG was published on 3/18/14.
    - Balloting through IHE Quality, Research and Public Health (QRPH) Framework as a Content Profile; IHE Profile (Volumes I-III) accepted through QRPH committee on 5/2/14; IHE profile is undergoing Public Comment period until August 2014; "Open Issues" form was posted to SDC wiki to track open items in S&I artifact;
  - FHIR Profile IG: Will be balloted through HL7 starting in Jan 2015 in alignment with publication of HL7 FHIR Resources
    - The FHIR Profile IG was kicked-off on 3/20/14. The Project Scope Statement (PSS) was presented and approved at the HL7 May 2014 Working Group Meetings in Phoenix, AZ; The primary HL7 WG sponsor for the PSS is Orders & Observations. The other co-sponsors WGs are: Vocabulary, Patient Care, Clinical Genomics, Clinical Interoperability Council.
    - The scope of the PSS is to create an implementation guide on the use of Fast Healthcare Interoperability Resources (FHIR) Profile(s) for SDC on the **new** DataElement resource and on the existing Questionnaire and QuestionnaireAnswers resources. These profiles will be used to meet SDC project objectives.
- Patient Safety Event/Adverse Event SWG: workflows complete; workflow to SOAP/SAML IG mapping is complete; 1 committed pilot.
- Public Health Tiger Team: *(Led by CDC/ONC)* PHTT addresses Public Health across three S&I initiatives: Clinical Quality Framework (CQF), SDC, and Data Access Framework (DAF). PHTT has identified 3 use cases for SDC pilots: cancer reporting, early detection and case reporting. Data elements (semantics) have been identified for early detection. Currently mapping case reporting data elements to SDC data element attributes.

Data Access Framework (DAF)

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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 Sponsor:* Mera Choi

Outputs

- Local Data Access Use Case 12/2013
- Targeted Data Access Use Case 02/2014
- IHE Ballot 11/2013
- IHE Whitepaper on DAF 7/1/2014
- IHE/HL7 MHD Profile/IGs (including FHIR)
- A family of profiles and IGs which address; local, targeted and federated queries for patient and population use cases over SOAP and Restful transports - TBD

Timeline

| May 2011 | Jan 2012 | May 2012 | Jan 2013 | May 2013 | Jan 2014 | May 2014 |

Data Access Framework

Start — Ballot

Data Access Framework (DAF), continued

Current Status:

- *May 19, 2014:* Launched **Joint IHE/S&I DAF Gap Prioritization** weekly calls to create a prioritization matrix of work efforts for 11 gaps identified in white paper. Led by Keith Boone from PCC and (Dragon) Nagesh Bashyam from S&I.
- *May 5, 2014:* Launched community-based volunteer technical sub-workgroup for **DAF- Direct Transport** solution option. Led by community members Joel Ryba and Stephen Beller, PhD.
- *May 2, 2014:* **IHE PCC DAF White paper** will be released for a second public comment period to end in early July at IHE Trial Implementation Meeting. Targeting publication to the IHE PCC technical resources for August 2014.
- *April 14, 2014:* Launched Technical Sub-Workgroup for **Data Element Based Access** for both Local and Targeted Queries, where an IG will be developed reviewing candidate standards and possibilities of a new FHIR profile. Led by (Dragon) Nagesh Bashyam.
- *March 5, 2014:* Launched Technical Workgroup for **Document Metadata Based Access** for both Local and Targeted Queries, where an IG will be developed from the analysis of the DAF white paper identifying both SOAP and RESTful solutions. Led by (Dragon) Nagesh Bashyam.
- *February 5, 2014:* Targeted DAF **Use Case 2** achieved consensus.
- *December 11, 2013:* Local DAF **Use Case 1** achieved consensus.

EU-US eHealth Cooperation Initiative

Charter/Scope Summary

Scope of project: To support an innovative collaborative community of public- and private-sector entities, including suppliers of eHealth solutions, working toward the shared objective of developing, deploying, and using eHealth science and technology to empower individuals, support care, improve clinical outcomes, enhance patient safety and improve the health of populations

Leadership Team

- *US:* Doug Fridsma, Mera Choi and John Feikema
- *EU:* Frank Cunningham, Benoit Abeloos

Outputs

- Interoperability Use Case 12/2013
- Interoperability Standards Mapping 03/2014
- US eHealth Week Presentation 10/2013
- EU eHealth Week Presentation 05/2014
- Workforce Role Identification 08/2013
- Workforce Setting Analysis/Selection 09/2013
- Workforce Competency Categorization: 05/2014
- Workforce Competency/Role/Setting Mapping (Direct Patient Care Basic and Intermediate) 06/2014
- Interoperability White Paper Summer 2014
- Workforce White Paper Early Fall 2014

Timeline

| May 2011 | Jan 2012 | May 2012 | Jan 2013 | May 2013 | Jan 2014 | May 2014 |

EU/US eHealth Cooperation

Start

EU-US eHealth Cooperation Initiative, continued

Current Status

- Interoperability Workgroup
    - Continuing development of C-CDA CCD vs. epSOS PS Comparative Analysis White Paper to be completed and approved by the EU and US leadership by mid/late-July

- Workforce Development
    - Finalized skill-map for Direct Patient Care / **Basic** / Clinical level bucket
    - Finalized skill-map for Direct Patient Care/**Intermediate**/Clinical level bucket
    - Began skill-map for Direct Patient Care / **Advanced** / Clinical level bucket
    - Working towards goal of completing Direct Patient Care domain (Intermediate, Basic, Advanced, & Expert) by mid of July
    - Goal is to have a complete analysis of the Direct Patient Care Domain done by end of September

Blue Button Plus

Charter/Scope Summary

Consumers want to be empowered to be more engaged in their health and healthcare. Through the Blue Button, consumers want the ability to exercise more access to and portability of their health care information.

With the right privacy and security assurances, consumers want to 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's needed

Leadership Team

- *Initiative Coordinator:* TBD
- *Community Lead (REST Pilots):* Josh Mandel
- *Community Lead (Payer WG):* Durwin Day

Outputs

- BB+ Direct (Push) Implementation Guide 07/2013
- BB+ RESTful(Pull) Guide 08/2013
- HIMSS Demo 03/2013
- REST Pilot 10/2013
- Final Deliverables TBD

Timeline

| May 2011 | Jan 2012 | May 2012 | Jan 2013 | May 2013 | Jan 2014 | May 2014 |

Blue Button Plus

Start

Pilots

Blue Button Plus, continued

Current Status

- BlueButton Workshop event at Health Datapolooza (June 1 - 3, 2014)
- Discussions with leadership for coordinating BlueButton+ activities with ONC Consumer eHealth Team
- BlueButton+ RESTful (Pull) API Guidance is complete and Pilots WG for BB+ RESTful API is underway
- BlueButton+ DIRECT (Push) Implementation Guidance, Privacy & Security Guidance, and Clinical Content Guidance is complete.

PDMP & HIT Integration

Charter/Scope Summary

The purpose of this initiative is to bring together the PDMP and health IT communities to standardize the data format, and transport and security protocols to exchange patient controlled substance history information between PDMPS and health IT systems (i.e., EHRs/HIEs).

The initiative aims to enable integration of PDMP data into the normal clinical workflow by:

- Connecting PDMPs to health IT systems (e.g. EHRs and HIEs) using existing standards;

- If standards do not exist, establishing standards for facilitating information exchange between PDMPs and health care providers; and

- Improving timely and convenient access to PDMP data by health care providers.

Leadership Team

- *Initiative Coordinator:* Johnathan Coleman, Sherry Green
- *ONC Leads:* Jennifer Frazier, Helen Caton-Peters
- *SAMHSA Lead:* Jinhee Lee, Kate Tipping, Jennifer Fan

Outputs

- Use Case 03/2014
- Implementation Guide Summer 2014
- Pilots Fall 2014

Timeline

| May 2011 | Jan 2012 | May 2012 | Jan 2013 | May 2013 | Jan 2014 | May 2014 |

PDMP & HIT Integration

Start

PDMP & HIT Integration, continued

Current Status:

- Use Case achieved consensus on 3/25
- Harmonization phase launched on 3/25
- Conducted outreach to standards organizations and PDMP/technical experts
- Ongoing Standards Evaluation
  - Finalized initial Standards Evaluation with completion of mappings to Use Case requirements on 4/29
  - Finalized Gap Mitigation Plan on 5/13
- Launched Solution Planning Workgroup on 5/15
  - Finalized current standards landscape analysis on 6/3 , mapping currently used standards against all possible transactions
  - Currently analyzing pros/cons, technical feasibility, impact to stakeholders, scalability for each proposed solution

Data Provenance

Charter/Scope Summary

The Data Provenance Initiative aims to establish a standardized way of capturing (including inbound, system generated, and outbound provenance), retaining, and exchanging the unaltered provenance of health information.

To help meet this challenge, the goals of this initiative include:

- Establish guidance for handling data provenance in the content standards including the level to which provenance could be applied

- Establish the minimum set of provenance data elements and vocabulary bindings

- Standardize the provenance capabilities

Leadership Team

- *Initiative Coordinator:* Johnathan Coleman
- *ONC Leads*: Julie Chua

Outputs

- Project Charter Consented 06/2014
- Use Case Fall 2014
- HL7 Ballot September 2014
- Implementation Guide Early 2015
- Pilot(s) Mid 2015

Timeline

| May 2011 | Jan 2012 | May 2012 | Jan 2013 | May 2013 | Jan 2014 | May 2014 |

Data Provenance

Start

Data Provenance, continued

Current Status:

- Initiative launched on 4/10/2014

- Charter reached consensus on 6/5/2014

- Use Case launched 6/12/2014

- Tiger Team kicked off on 4/28 to assist with detailed analysis of candidate standards for system functional requirements and interoperable exchange of data as directed by the initiative
  - Tiger Team presented Project Scope Statement to HL7:
    - Community Based Collaborative Care (CBCC) WG approved on 2014-04-29
    - US Realm Task force approved 2014-04-29
    - Domain Experts Steering Division (DSES) approved 5/28/2014
    - Next steps: Seek TSC approval
  - Team plans to submit the Notice for Intent to Ballot to HL7 in June

Clinical Quality Framework (CQF)

Charter/Scope Summary

To identify, define, and harmonize electronic standards that promote integration between Clinical Decision Support (CDS) and electronic Clinical Quality Measurement (eCQM) by:

- Identifying **common metadata** across the two domains and harmonizing its representation.

- Developing a **common quality information data model** that supports the requirements of both eCQM and CDS.

- Developing a **common expression language** that can be used to define both CDS and eCQM logical expressions.

Leadership Team

Co-Coordinator Marc Hadley
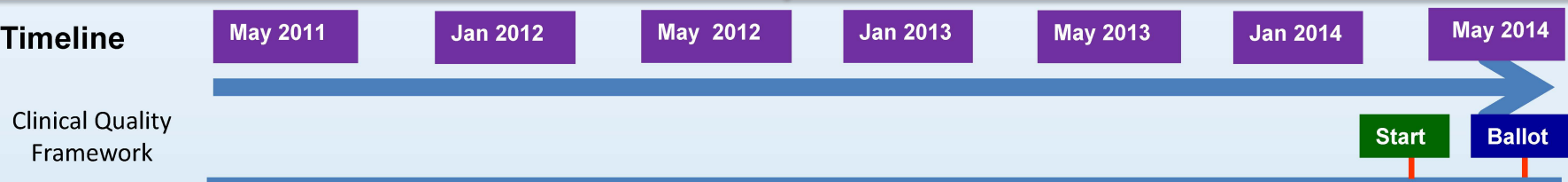***Co-Coordinato***r Ken Kawamoto
ONC Sponsors Alicia Morton and Julia Skapik
CMS Sponsor Minet Javellana

Outputs

- HL7 Ballot (2) 05/2014
- Use Case Summer 2014
- Implementation Guide Summer 2014
- HL7 Ballot September 2014
- Pilots Summer 2014 (initial pilots launched April 2014)
- HL7 Ballot January 2015
- HL7 Ballot May 2015
- Final Evaluations Winter 2015

Timeline

May 2011	Jan 2012	May 2012	Jan 2013	May 2013	Jan 2014	May 2014

Clinical Quality Framework

Start   Ballot

Clinical Quality Framework (CQF), continued

Current Status:

-CQF is currently working on the harmonized specifications which will be used in pilots; pilots being explored include Chlamydia Screening, Ischemic Heart Disease and Anti-Platelet Use, Radiology Appropriateness of Use, Venous Thromboembolism Prophylaxis, and Cardiology Appropriateness of Use.

-The Health Quality Measure Format (HQMF) R2.1 package was approved for publication on 5/30/14.

-The Health eDecisions Knowledge Artifact (HeD KA) R1.2 was approved for publication on 5/15/14

-The following CQF artifacts are under development in preparation for the September HL7 Work Group Meeting:
  - Ballot Passed/In Reconciliation: **HL7 Domain Analysis Model: Clinical Quality Common Metadata**, R1 - US Realm
  - Ballot Passed/In Reconciliation: **HL7 Domain Analysis Model: Health Quality Improvement**, R1 – US Realm
  - Planned Comment Only Ballot, Sept 2014: **Logical Model for Quality Improvement**
  - Planned Comment Only Ballot, Sept 2014: **Clinical Quality Expression Language**

COMMUNITY-LED OR OTHER AGENCY-LED INITIATIVES DEEP DIVE

Public Health Tiger Team

Charter/Scope Summary

- By participating in S&I Framework Initiatives, the Public Health Tiger Team (PHTT) will advocate for public health interoperability needs, seek to harmonize standards across public health use cases and programs, and educate the larger public health community on informatics issues. Priority S&I Framework activities include but not limited to: SDC, DAF, HeD, CQF, and PHRI.

- PHTT will not be)Creating Standards; If we identify standards related gaps or issues <u>outside</u> of the scope of PHTT then we will inform relevant entities.
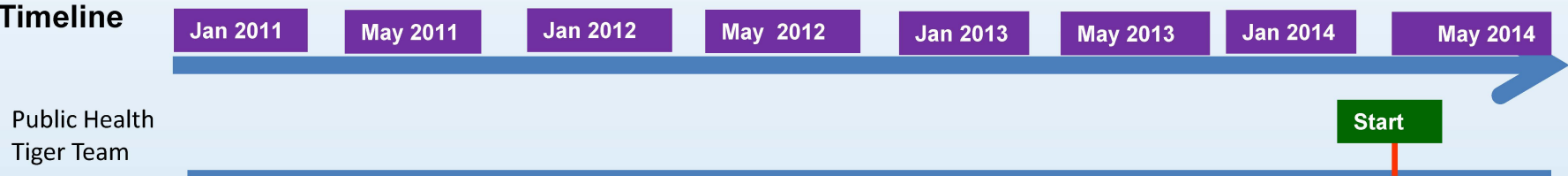
Community-Lead Initiative Leadership Team

- **Co-leads:** Jim Daniel, John Saindon

Outputs

- Creation of cross collaboration group and development of project charter 04/2014
- Mapping of data elements into SDC Formatted Data elements 06/2014
- Public Health Leads for each S&I Initiative 07/2014
- Transition from use case to pilot 09/2014
- Implementation Guide TBD
- Pilots TBD

Timeline

| Jan 2011 | May 2011 | Jan 2012 | May 2012 | Jan 2013 | May 2013 | Jan 2014 | May 2014 |

Public Health Tiger Team

Start

Current Status

- Project Charter Completed 06/2014

- Transitioning PHRi education series to PHTT (In process)

- Requesting funds and resources for S&I Pilots (in process)

- Coordination with NCHS for profile integration

- Coordination with NLM to map data elements into SDC formatted data elements (in process)

  - EHDI is in the process of mapping data elements against SDC Conformed CDE's

- Selection of Public Health CQF/DAF/SDC Sub Workgroup leads. (In process)

Laboratory Results Interface (LRI)

HealthIT.gov

Charter/Scope Summary

- The Laboratory Results Interface Initiative focuses on identifying the requirements, specifications and standards, and on providing the implementation guidance for electronic reporting of ambulatory care laboratory test results in the US Realm

Leadership Team

- *Initiative Coordinator:* John Feikema
- *Workgroup Leads:* Ken McCaslin, Hans Buitendijk, and Riki Merrick

Outputs

- Use Case 05/2011
- HL7 Ballot 09/2011
- HL7 Ballot 05/2012
- Implementation Guide 07/2012
- Pilots 08/2012 (completed 08/2013)
- LRI DSTU errata Fall/Winter 2014
- EHRs Functional Model for LRI Fall/Winter 2014

Timeline

Jan 2011	May 2011	Jan 2012	May 2012	Jan 2013	May 2013	Jan 2014	May 2014

Lab Results Interface

Start   Ballot   End   Ballot   Pilots

22

Laboratory Results Interface (LRI), continued

Current Status:

- Use Case Consensus Dates
  - LRI Use Case: May 5, 2011
  - Abbreviated Public Health Reporting Use Case: June 15, 2011
- LRI IG DSTU
  - First errata was released on October 8th, which includes a set of recommended corrections and modifications for incorporation into the currently published document
  - Second errata approved for publication in April 2013
  - As of Jan. 8, 2013, LRI Pilots were completed and Validation Suite Tool was released for 2014 CEHRT
  - March 2014 - Renewed DSTU status
  - May 2014 - preparing next set of errata for publication
- EHR-S Functional Model – Lab Results
  - February 2014 – New SWG launched to develop EHR system functional model for the incorporation of lab results into patient records

Laboratory Orders Interface (LOI)

Charter/Scope Summary

The Laboratory Orders Interface (LOI) Initiative is focused on the creation of an Implementation Guide (IG) for the ambulatory setting that builds on the architecture and design of the California HealthCare Foundation's ELINCS Laboratory Orders and the S&I Framework Laboratory Results Interface Initiative.

Further, the Initiative seeks to design an IG that can serve as a foundation for eventual use in acute care and public health and incorporate vocabulary consistent with the above mentioned guides as well as support for the upcoming HL7 Version 2 Implementation Guide: Laboratory Test Compendium Framework, Release 2 (eDOS).
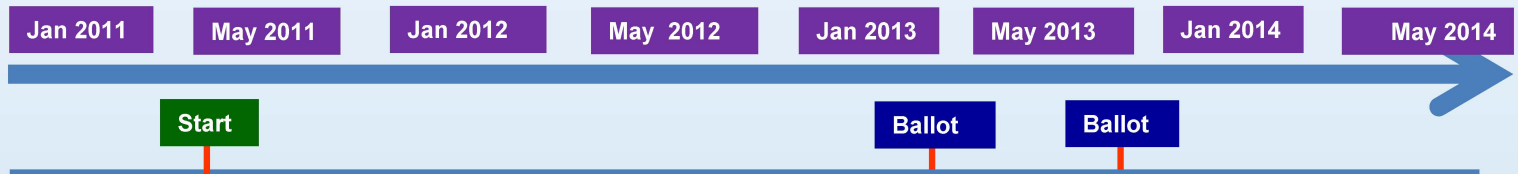
Leadership Team

- **Initiative Coordinator:** John Feikema
- **LOI Workgroup Leads:** Hans Buitendijk and Ken McCaslin
- **eDOS Workgroup Leads:** Freida Hall and John Mooney

Outputs

- LOI Use Case 07/2012
- HL7 Ballot 01/2013
- HL7 Ballot 06/2013
- LOI Implementation Guide 12/2013
- LOI eDOS Implementation Guide 12/2013
- LOI eDOS HL7 Ballot 06/2013
- Final Deliverables TBD

Timeline

Jan 2011	May 2011	Jan 2012	May 2012	Jan 2013	May 2013	Jan 2014	May 2014

Laboratory Orders Interface

Start — Ballot — Ballot

Laboratory Orders Interface (LOI), continued

Current Status

- LOI IG
    - Out-of-cycle ballot took place from June-July, 2013 and was completed on July 19, 2013
    - LOI IG: Ballot reconciliation completed November 2013; Publication date December 2013
    - eDOS IG: Ballot reconciliation completed December 2013; Publication date November 2013
    - eDOS IG R1.1 (errata update) published March 2014
    - May 2014 – LOI errata in development
- Laboratory Pilots
    - Lab pilot calls completed
    - Kicking off new WG, LOINC Order Codes, to focus on enhancement of LOINC codes for commonly ordered lab tests

esMD – Electronic Submission of Medical Documentation

Charter/Scope Summary

This Initiative intends to replace various, current paper documentation and processes with an electronic alternative for Providers to submit to Payers.

- Address the registration process, technical transport and authentication needed to allow Payers to identify Providers and send requests to them (PPA WG – Use Case 1)

- Determine the structured electronic format of medical document request letters to be sent to Providers, with consideration for the technical transport, expected response and information needed to support the response (PPA/SC WGs – Use Case 2)

- Digital Signature needs for this initiative will be addressed as part of Author of Record Level 1, 2 and 3 Use Cases (AoR WG – AoR L1 Use Case, AoR L2 Use Case)

- Define data sets, templates and standards in providing guidance with decision support, enabling provider capture of required structured documentation, and securely exchanging for benefit determination based on Health Plan/Payer's coverage and payment rules (eDoC WG – eDoC Generic Use Case)
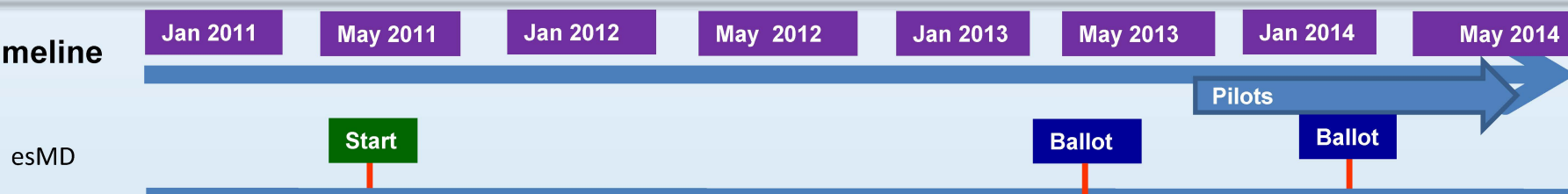
Leadership Team

- *Initiative Coordinator:* Robert Dieterle
- *CMS Lead(s):* Dan Kalwa, Pamela Durbin
- *Co-Workgroup Leads*: Dr. Mark Pilley, Dr. Viet Nguyen

Outputs

- Provider Registration Use Case 03/2012
- Provider Registration IG 02/2013
- eMDR/Structured Content UC 5/2012
- eMDR/Structured Content IG 2/2013
- Provider Directories Guidance for esMD IG 2/2013
- Author of Record (AoR) Level 1 Use Case 09/2012
- AoR L1 IG 2/2013
- AoR L2 Use Case 1/2014
- HL7 Ballot (Digital Signatures/AoR L2) 09/2013
- AoR L2 IG 4/2014
- Electronic Determination of Coverage (eDoC) Use Case 4/2013
    - PMD User Story 10/2013
    - LLP User Story 1/2014
- HL7 Ballot (eDoC Complete Documentation Templates) 02/2014
- Pilots launch (four UCs) 09/2013
- eDOC Continuing User Stories (15-20) Mid 2016
- eDOC Implementation Guide Mid 2016
- AOR Level 3 Fall 2014-Mid 2015
- Potential Ballot Structured/Coded Data for eDOC Mid 2015

Timeline

Jan 2011	May 2011	Jan 2012	May 2012	Jan 2013	May 2013	Jan 2014	May 2014

Pilots

esMD — Start — Ballot — Ballot

esMD – Electronic Submission of Medical Documentation, continued

Current Status:

- eDoC Complete Documentation Templates IG (sponsored by the HL7 Attachments and Structured Data HL7 WGs) ballot reconciliation is in progress with the esMD eDoC Structured Data SWG
- E2E Review for the eDoC General Use Case Implementation Guide for the X12 278 transaction is complete and consensus is in progress
- eDoC General Use Case Implementation Guide for the X12 275 transaction is in progress
- eDoC Home Health User Story development is on hold until further notice
- eDoC PMD Coded Data discussions in progress
- esMD Pilots efforts have launched for PPA, AoR L1/L2, and for e-Clinical Template for Power Mobility Devices and Lower Limb Prosthetics

Longitudinal Coordination of Care (LCC)

Charter/Scope Summary

This initiative will identify and validate a standards-based longitudinal care management framework built around the needs and experience of the patient respective to:

- The Patient Assessment Summary (PAS) or LTPAC Summary document leveraging the Minimum Data Set (MDS), Outcome and Assessment Information Set (OASIS) and CMS Care Tool datasets

- A more robust Transition of Care (ToC) dataset required by Care Team 'receivers' building off the S&I ToC dataset

- The Care Plan/Plan of Care documents used to coordinate patient care across multiple settings and disciplines

LCC PAS SWG, LTPAC SWG, LCP SWG completed in 2013.

Leadership Team

- *Initiative Coordinator:* Evelyn Gallego

- *Workgroup Leads:* Larry Garber, Terry O'Malley, Sue Mitchell, Bill Russell, Jennie Harvell, Russ Leftwich

Outputs

- Use Case 1 (Transfer Summary Dataset) 06/2012
- Use Case 2 (Care Plan/ Home Health Plan of Care) 07/2013
- HL7 Ballot LTPAC Summary Document 09/2012
- CCDAR2.0 Implementation Guide 07/2013
- HL7 Ballot CCDAR2.0 09/2013
- Transfer Summary Pilots 2012
- CCDAR2.0 Care Plan Implementations 11/2013 and 5/2013
- Transfer Summary CCDAR2.0 Go-live 6/2014
- Pilots WG closing 09/2014

Timeline

| Jan 2011 | May 2011 | Jan 2012 | May 2012 | Jan 2013 | May 2013 | Jan 2014 | May 2014 |

Longitudinal Coordination of Care

Pilots

Start

Ballot

Ballot

Longitudinal Coordination of Care (LCC), continued

Current Status

- LCC Pilot WG launched 09/16/2013; NY Downstate Care Coordination Project went LIVE with C-CDAR2.0 Care Plan NOV2013 and GSI Health and Brooklyn Health Home went LIVE with C-CDAR2.0 Care Plan in MAY2014 ; MA IMPACT scheduled to go-live with C-CDA Transfer Summary standard in JUN2014; Successful Care Plan exchange demonstrations HIMSS Interoperability Showcase FEB14 by Datuit, Lantana, Healthwise. Upcoming Care Plan implementations planned for VHA Office of Rural Health Outreach Initiative for Care Coordination and NY Department of Health for all NY Health Homes.

- Revised the C-CDA to support Transitions of Care and Care Plan Exchange for the HL7 Fall Ballot cycle (Ballot Period 8/12 – 9/16/2013). Completed ballot reconciliation of 1013 comments and all negative votes have been withdrawn. Currently updating specification in preparation for late Spring 14 publication.

- Developed and submitted recommendations to align Care Plan exchange efforts with various HL7 WGs (Patient Care WG, SOA Care Coordination Services)

- Coordinating Care Plan standard development activities with other SDO and Federal Care Plan activities (HL7 Patient Care WG, IHE Patient Care Coordination Technical Committee, AHIMA LTPAC HIT Collaborative, CMS esMD, Blue Button +)

Questions/Discussion

ONC website:

www.healthit.gov/

S&I Framework Wiki:

http://wiki.siframework.org/