



The Office of the National Coordinator for
Health Information Technology



HITSC Update

August 20, 2014

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



- CMS Designated Test EHR
- Standards Implementation & Testing Environment (SITE)
- S&I Framework sponsors & focus area flows

CMS-designated test EHR

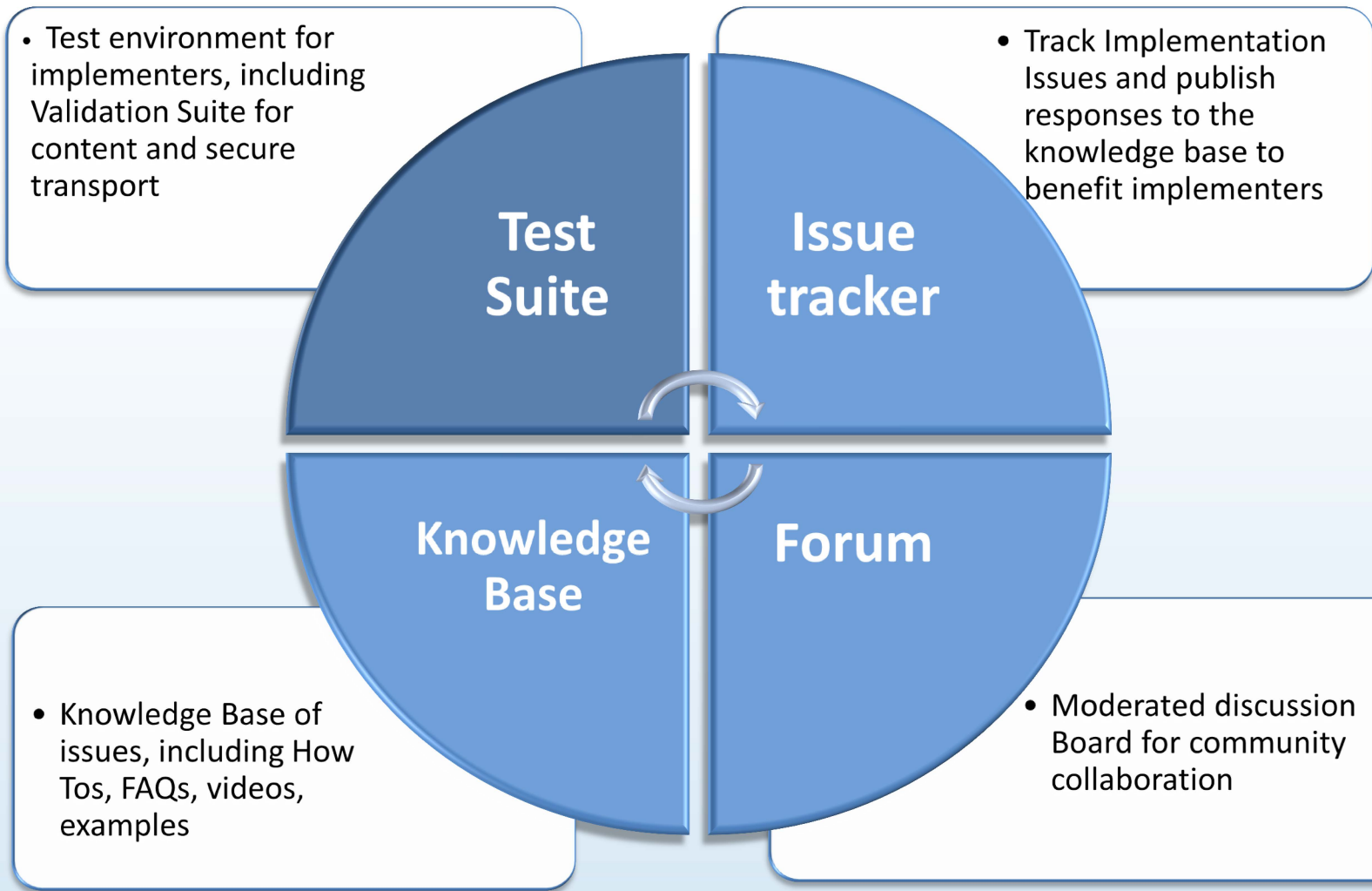
Stats January 2014 – mid-Aug 2014



- Context:
 - Transitions of Care Measure #3 for Meaningful Use Stage 2.
 - Live cross developer exchange one time or test once with a CMS-designated test EHR.
- Designated test EHR companies:
 - Medical Information Technology, Inc.
 - iPatientCare, Inc.
 - McKesson (Direct Trust accredited)
- 2,096 unique pairings to test EHRs by EPs/EHs
 - Includes EP/EH asking for a match with different designated test EHRs
 - We know a match occurred *not* that an actual test occurred.
- Approximately 58 developer products matched

- **Motivation (in Dec 2012)**
 - Testing capabilities for new 2014 Edition Standards (C-CDA, Direct) were generally unavailable
 - Audience: Health IT developers
- **Current Capabilities**
 - Direct, CCDA v1.1, QRDA I and III, Provider Directory
 - Test platform available for pre- and post-certification testing
- **Anticipated (FY15) – Focus on *Interoperability***
 - CCDA semantic interoperability testing based on 3-year Roadmap, SMART, etc.
 - Direct Edge Protocols
 - FHIR
 - Security (Patient Matching, Authorization, Consent Management, Data Segmentation)

SITE– Targeting Developers





SITE: Standards Implementation & Testing Environment

The Office of the National Coordinator for Health Information Technology

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- Test
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Access SITE
<http://healthit.gov/SITE>

Welcome to the

Standards Implementation & Testing Environment

(SITE)

SITE is a centralized set of tools designed to assist the implementers of Health Information Technology standards required for certification of Electronic Health Record (EHR) technology, and in general, enable interoperable health information exchange [more »](#)

C-CDA Sandbox

The sandbox contains resources and test tools related to the [Consolidated Clinical Document Architecture](#) standard.

[View details »](#)

QRDA Sandbox

The sandbox contains resources and test tools related to the [Quality Reporting Document Architecture \(QRDA\) Category I](#) and [QRDA Category III](#) standards.

[View details »](#)

Transport Sandbox

The sandbox contains resources and test tools related to the [Direct project](#).

[View details »](#)

Provider Directory Sandbox

The sandbox contains resources and test tools related to the [Federated Healthcare Provider Directory](#) standard.

[View details »](#)

Information for Implementers:

SITE does not require users to login to access the resources except to post on the forum and the issue tracker. To request accounts to post to the forum and/or the issue tracker instances please click on the Signin.

SITE resources and test tools work best when implementers access them via web browsers which are the following versions or higher.

Latest News and Release Information:

Current SITE version: 1.3.6

Latest Updates:

Updated SITE Usability/Accessibility

Example Sandbox - CCDA

The C-CDA Sandbox contains resources and tools for the Consolidated Clinical Document Architecture (C-CDA) standard to facilitate learning, collaboration, and testing of C-CDA documents complying to Meaningful Use Stage 2 objectives. The specific objectives that are supported include Transitions of Care, View, Download and Transmit to 3rd party and Clinical Office Visit Summary.



Knowledge Base

The C-CDA Knowledge Base is a starting point for Health IT software developers to support their efforts to develop and implement systems that use C-CDA standard in order to comply with meaningful use requirements. Specifically, the Knowledge Base has Frequently Asked Questions and other topics of interest related to the C-CDA standard.



Forum

The C-CDA Forum enables active conversation among community members around topics related to the implementation and testing of the C-CDA standard including policy questions that needs to be answered by ONC.



Issue Tracker

The C-CDA Issue Tracker helps to track questions and issues which require HL7 input and expertise. The issues are tracked through a simple workflow to interact and collaborate with HL7.



Sample Repository

The C-CDA Sample Data Repository contains a collection of sample C-CDA documents provided by multiple vendors and can be leveraged by the community as samples for testing and understanding the C-CDA standard.



Contribute a C-CDA Sample

Users can contribute their own sample C-CDA data. Sample documents should be available under an open license and should not contain Protected Health Information (PHI). Ideally,



C-CDA Validator

The SITE C-CDA Validator validates conformance of C-CDA documents to Meaningful Use Stage 2 (MU2) objectives based on the HL7 C-CDA Implementation Guide and the Meaningful Use Stage 2 reulation.

- Repository includes 53 sample CCDAs from 13 developers
- More than 7,600 CCDA's validated

Direct Message Statistics

# of Messages Sent and Received	# of Unique Direct Addresses used to send and receive messages	# of Unique Domains successfully tested and exchanged messages with SITE
10,000+	1456	181

Trust Bundles used by SITE

of Bundles Synchronized
4

Note: Implementers can establish trust individually by uploading their trust anchor

S&I Framework

Active Initiative Sponsors



BB+

VA \$, ONC \$

CQF

ONC \$, CMS \$

DAF

ONC \$,
PCORTF (ASPE) \$

DPROV

ONC \$

EU-US

ONC \$,
EU DG Connect

PDMP

ONC \$,
SAMHSA \$

SDC

PCORTF (ASPE) \$
ONC \$, AHRQ \$,
NIH, FDA

esMD

CMS \$

LOI/LRI

Community-led
ONC \$

LCC

Community-led
ONC \$

PHTT

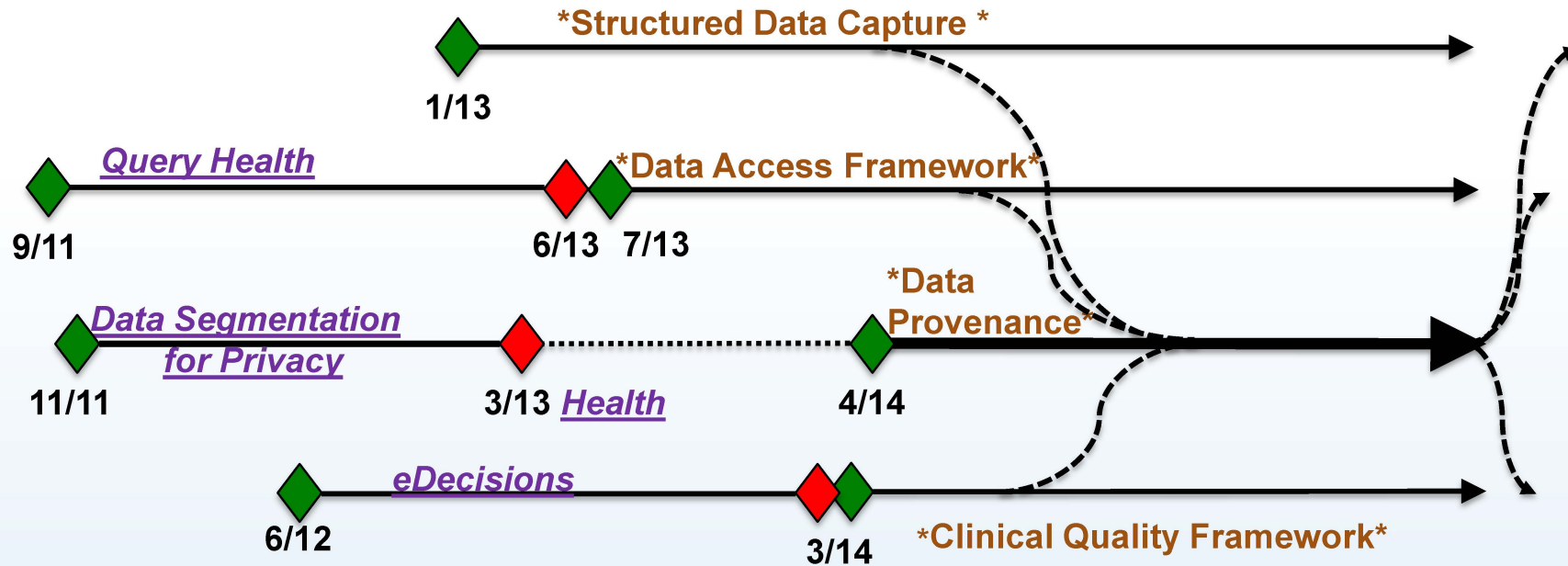
Community-led
CDC \$ ONC \$

Legend:

\$ = Funding

\$ = minimal resources

Focus Area: Data Provenance



2011

2012

2013

2014

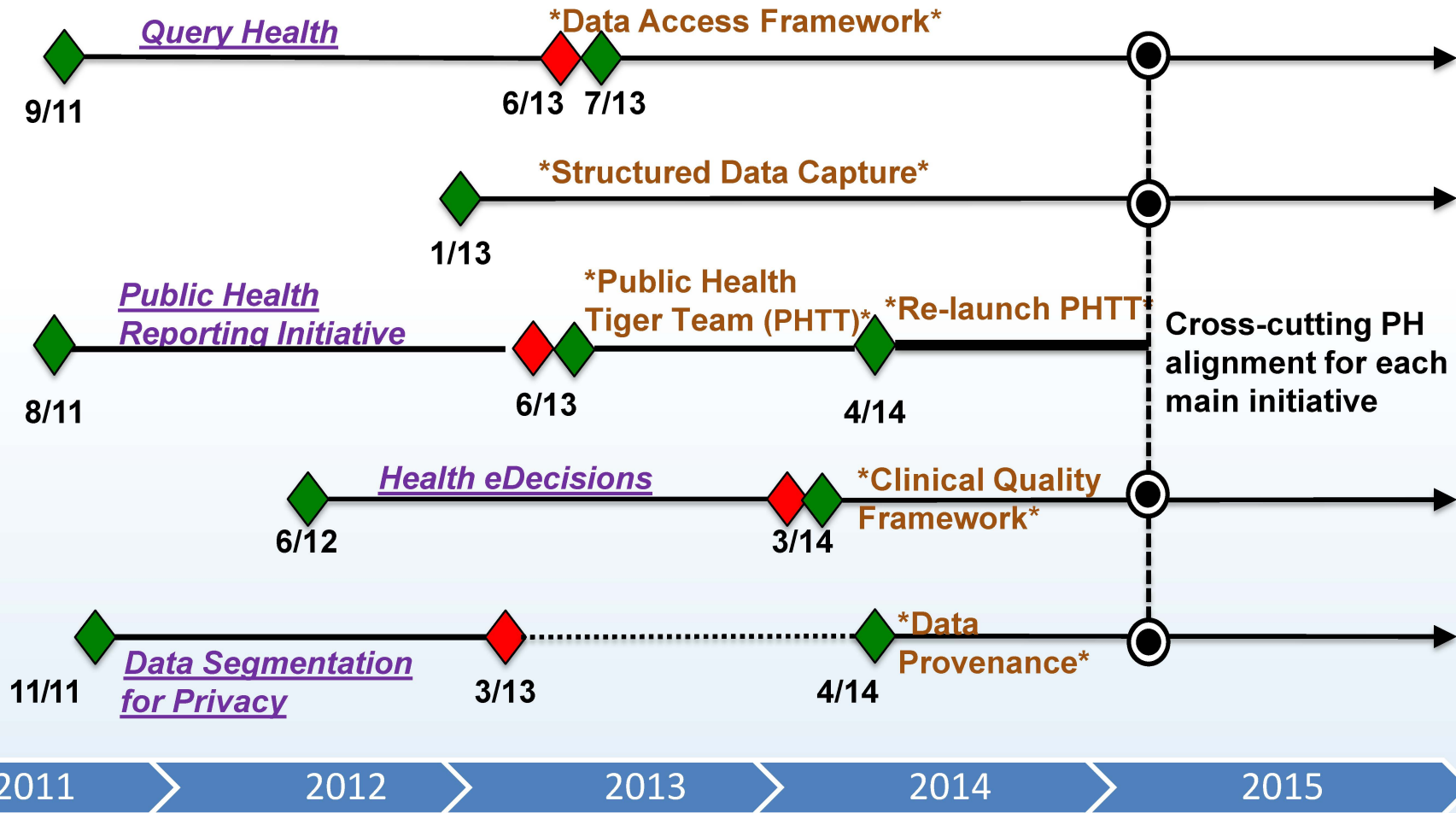
2015

Legend

Active Initiative

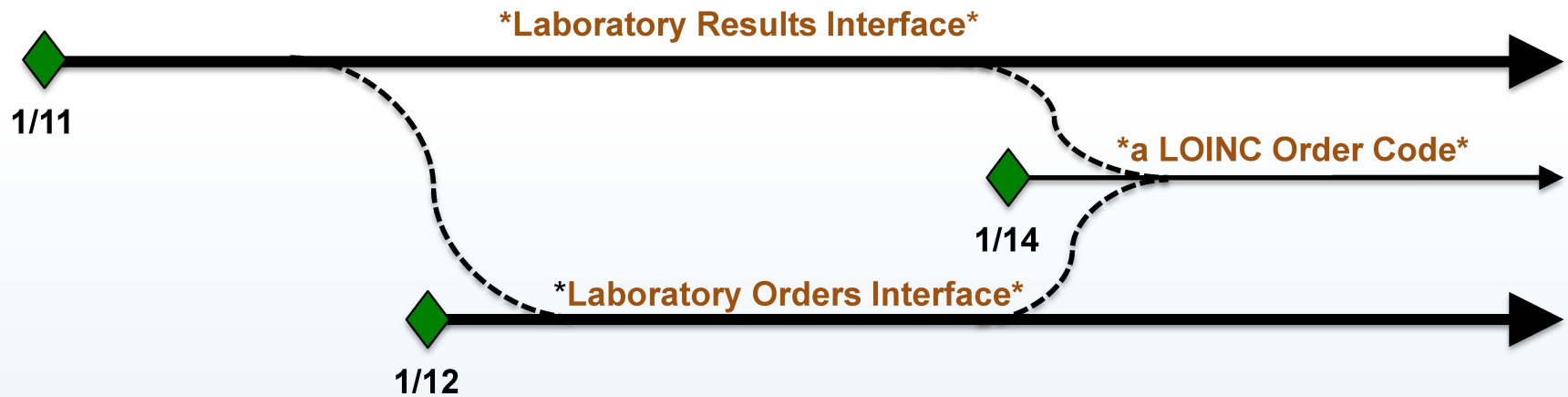
Inactive Initiative

Focus Area: Public Health



Legend
Active Initiative
Inactive Initiative

Focus Area: Laboratory Services



2011

2012

2013

2014

2015

Legend

Active Initiative

Inactive Initiative