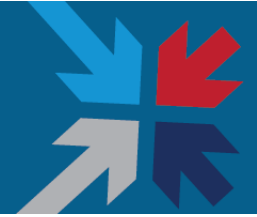


NHIN Direct Implementation Group Meeting

May 4, 2010



Agenda

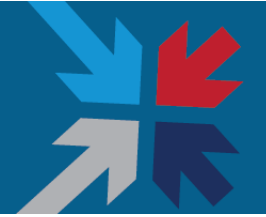


- » Quick Summary of Last Meeting & Reminders

- » WG Updates

- » Calendar & Participation

- » Face-to-Face Meeting



Quick Summary of Last Meeting & Reminders

Summary of Last Meeting



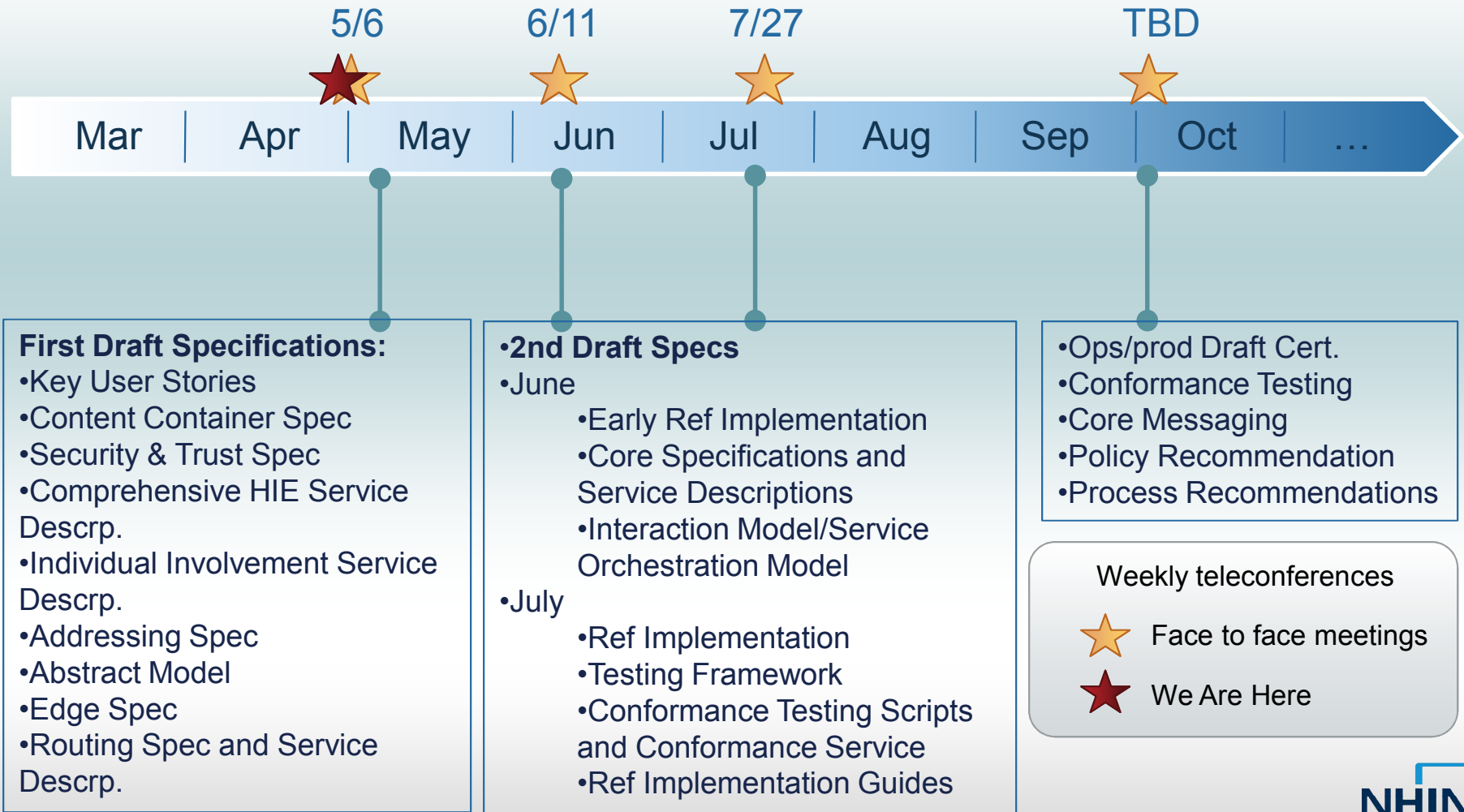
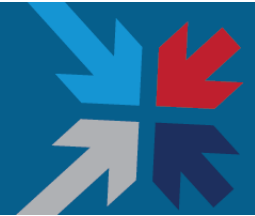
- » Each WG gave updates
- » IG Members had a discussion about directories, potential certification bodies, what the Concrete Implementation WG will actually be building, and clarification around the individual experience
- » IG set action items to:
 - Have each IG member sign up to at least one development team:
http://groups.google.com/group/nhindirect-discuss/browse_thread/thread/feea7d4f3ed52060
 - Have each IG member vote on consensus for User Stories:
<http://nhindirect.org/User+Story+Implementation+Group+Endorsements>

Review of WGs

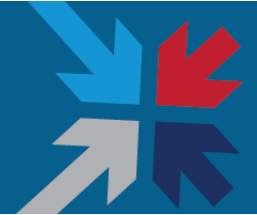


- » **User Story Review WG:** Provide consistent, vetted set of user stories available on the Wiki
- » **Concrete Implementation WG:** Recommend a high level concrete implementation or set of concrete implementations mapping to the abstract model and meeting all Must User Stories
- » **Content Packaging WG:** Define a few workable alternatives, with pros/cons, for content packaging
- » **Security & Trust WG:** Provide alternatives and highlight issues relating to security and trust enablement via technology (e.g., certificates and signatures)
- » **Comprehensive HIE Interoperability WG:** Define how to mix and match direct transactions and Comprehensive HIE/NHIN specifications and services (patient discovery and information access) capabilities at scale
- » **Individual Involvement WG:** Clarify technology issues and policy implications for individual involvement in direct transport
- » **Implementation Geographies WG:** Provide a powerful demonstration of cross-state, cross organizational continuity of care
- » **Addressing WG:** Define an implementation neutral mechanism for addressing that enables provider/individual identification and enabling organization routing
- » **Abstract Model Review WG:** Review and finalize a formal abstract model that all WGs can use to define common vocabulary

Review of Timeline



Review of Deliverables for May 6th Face-to-Face



- » **Key User Stories:** The User Story WG will provide a consistent, vetted set of User Stories
- » **Content Container Specifications:** The Content Packaging WG will define a few workable alternatives for content packaging so that patient data of mixed types can be packaged and sent
- » **Security & Trust Specifications:** The Security & Trust WG will provide alternatives and issue relating to security and trust enablement via technology
- » **Comprehensive HIE Service Description:** The Comprehensive HIE WG will provide Service Description of how to mix and match direct transactions and Comprehensive HIE/NHIN specifications and services capabilities at scale
- » **Individual Involvement Service Description:** The Individual Involvement WG will provide a Service Description of how individuals can participate in NHIN Direct Project Services
- » **Addressing Specification:** The Addressing WG will provide a Specification on to effective addressing methods -- what is the health “email” address
- » **Abstract Model:** The Abstract Model WG will provide a Diagram and Specification of an Abstract Model that all WGs can use to determine core architectural components, assumptions and terminology
- » **Status of Concrete Implementations:** The Concrete Implementation WG will give an update about the status of concrete implementations

Review of Final Deliverables



Specifications & service descriptions including

- » Formalized models
- » Core specifications and service descriptions
- » Conformance testing scripts and conformance service
- » Reference implementation guides for edge systems and routing systems (including sample code, testing and conformance documentation, legal and policy documentation, etc...)
 - Implementation guide for CONNECT users



Process recommendations

- » Use of NHIN Direct as a model (positive or negative)
- » Formalized modeling process recommendations

Policy recommendations



- » Recommendations on Federal role, states, etc...
- » Policy recommendations for trust enablement

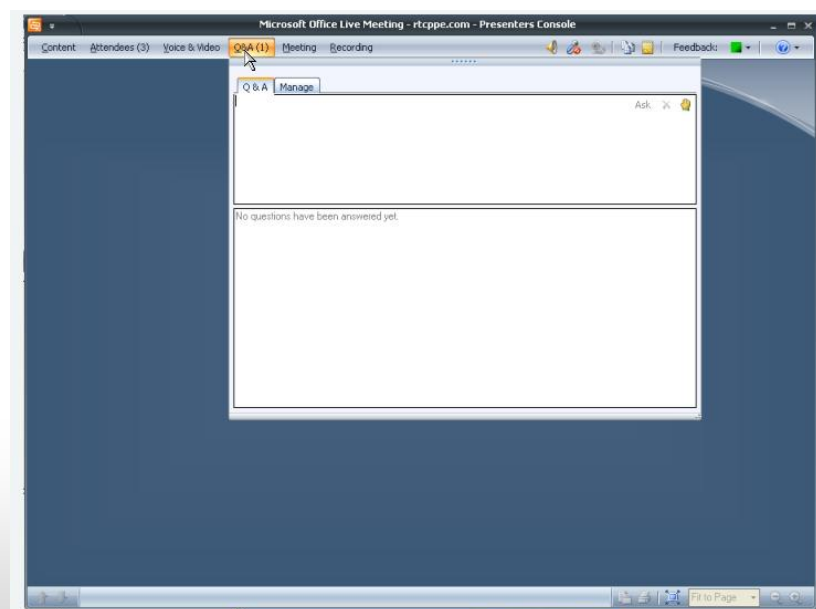
Marketing/awareness

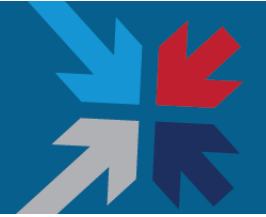
- » Core messaging
- » Placements in industry journals, key social media outlets, etc...

Review of Participation



- » Use the Q&A text box function in the web conference to ask a question, or to signal an intent to speak
- » **To type a question**, please type questions into the Q&A text box and click 
- » **To vocalize a question**, please use the “raise your hand” function found in the upper right hand corner: 





NHIN Direct Project Status

User Story Review Workgroup



- » Purpose is to provide consistent, vetted set of user stories available on the Wiki
- » Key May 6th Deliverable: Key User Stories
- » Leader: Peter DeVault
- » To date WG has:
 - Defined a User Story Style Guide
 - Defined User Story Prioritization
 - Brought finalized User Story Must to a vote for consensus
- Last week, the WG set action items to:
 - Mark [State public health agency reports public health data to Centers for Disease Control](#) User Story as a “Should”
 - Post to blog and send out to mailing list, call for endorsement at IG level for User Stories
 - Vote on May 6th meeting for IG endorsement, and Arien will remind those that will not be attending to vote on the grid
 - Change the meaning of priority to 1st, 2nd and 3rd
 - Change the language to reflect that all user stories will be considered, but the first set are ones we intend to accomplish in the calendar we’ve set out for ourselves

Content Packaging Workgroup



- » Purpose is to define a few workable alternatives, with pros/cons, for content packaging
- » Key May 6th Deliverable: Content Container Specifications
- » Leader: David McCallie
- » To date WG has:
 - Created a draft proposal
 - <http://nhindirect.org/Content+Container+Specification>
- » Last week, the WG:
 - Made excellent progress and settled on rules for a proposed version 1.0 of the specification
 - Opened the 1.0 spec for workgroup endorsements.

Security & Trust Workgroup



- » Purpose is to provide alternatives and highlight issues relating to security and trust enablement via technology (e.g., certificates and signatures)
- » Key May 6th Deliverable: Security & Trust Spec
- » Leader: Jonathan Gershater
- » To date WG has:
 - Created a Risk and Mitigation page as a mechanism for discussion:
 - <http://nhindirect.org/Risk+Assessment+and+Mitigation>
 - Created a Basic Trust Model:
 - <http://nhindirect.org/Basic+Trust+Model>
- » This week, the WG set actions to:
 - Read and comment on Basic Trust Model

Comprehensive HIE Interoperability Workgroup



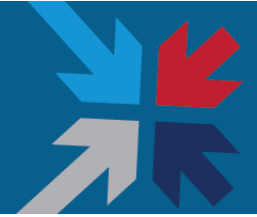
- » Purpose is to define how to mix and match direct transactions and Comprehensive HIE/NHIN specifications and services (patient discovery and information access) capabilities at scale
- » Key May 6th Deliverable: Comprehensive HIE Service Description
- » Leader: Vassil Peytchev
- » To date WG has:
 - Created an early Comprehensive HIE Interoperability Workgroup proposal:
 - <http://nhindirect.org/IHE+Implementation>
- » Last week, the WG set actions to:
 - Contribute to the discussion on the Wiki about User Experience
 - Have a conversation in the next meeting: about recommendations for the IG

Individual Involvement Workgroup



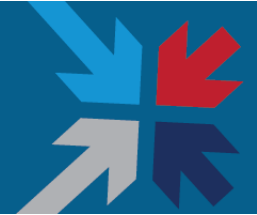
- » Purpose is to clarify technology issues and policy implications for individual involvement in direct transport
- » Key May 6th Deliverable: Individual Involvement Service Description
- » Leader: Richard Elmore
- » To date WG has:
 - Created an [Input to the Security & Trust workgroup with regard to Individual Involvement Trust](#) page
 - Confirmed Individual Involvement User Stories
 - Maintained a “meeting individuals where they are” assumption
- » Last week, the WG set actions to:
 - Redefine Must/Should for the Patient Message to Provider user story.
 - Provide recommendation for individual to provider communication, based on Security & Trust recommendations/implications

Addressing Workgroup



- » Purpose is to define an implementation neutral mechanism for addressing that enables provider/individual identification and enabling organization routing
- » Key May 6th Deliverable: Addressing Spec
- » Leader: Wes Rishel
- » To date WG has:
 - Proposed Addressing Specification:
 - <http://nhindirect.org/Addressing+Specification>

Abstract Model Workgroup



- » Purpose is to review and finalize a formal abstract model that all WGs can use to define common vocabulary
- » Key May 6th Deliverable: Abstract Model
- » Leader: Brett Peterson
- » To date WG has:
 - Called for consensus on NHIN Direct Project Abstract Model
 - <http://nhindirect.org/NHIN+Direct+Abstract+Model>
- » This week, the group set action to:
 - Debate Dan Russler's [BPMN](#) diagrams expressing the Abstract Model found on [the examples page](#) online.

Concrete Implementation Workgroup



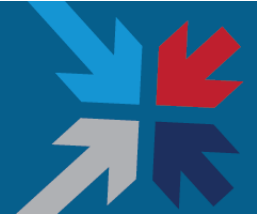
- » Purpose is to recommend one+ high level concrete implementation mapping to the abstract model for further development and use in the pilots
- » Key May 6th Deliverable: Edge and Routing Specification
- » Leaders: Sean Nolan & Brian Behlendorf
- » This week the WG set action items to:
 - » Organize teams to push each proposal to the next stage:
 - » A software “map” describing the pieces required by each actor in the stories, and the existing software that can be used/built upon/modified.
 - » Description of the end-user UI for each actor, or running code that demonstrates this
 - » A committed set of volunteers with the time and expertise to write the code and test tools usable for pilots, led by an identified organizer.
 - » This is where the “running code” part from the Design Principles comes into play – from here forward, discussions of “simplicity” or “that should work” and the like should get backed by code or pseudo-code that implements the position being taken.
 - » Plan for a public review of the proposals on deck on 5/6, and a last-call for further work; and a final recommendation by 5/18
 - » Urge each IG Member to sign up to at least one development team

Implementation Geographies Workgroup

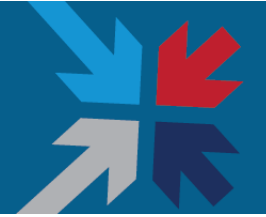


- » Purpose is to provide a powerful demonstration of cross-state, cross organizational continuity of care
- » This week, the first Implementation Geographies WG was held and the group set actions /decisions to:
 - » Ask VA for participation
 - » Ask Indian Health Services for participation
 - » Publish list of potential geographies
 - » Create a starter for operational plan
 - » Work to form a Communications & Outreach Workgroup
 - » Paul Tuten will be leader
 - » Create an Action Plan that speaks to stakeholders like HER Tech vendors, HIEs/REC, Medical societies & Rural providers and attempt to understand existing referral paths

Future WGs



- » Testing WG
- » Documentation WG



Calendar & Participation

WG Schedule



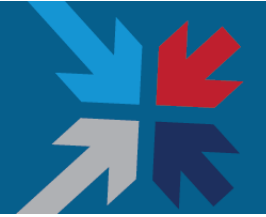
- » WGs adhere to the below schedule, meeting via teleconference on a weekly basis

WG	Meeting Time
User Story Review WG	Mondays 11am-12pm EST
Content Packaging WG	Wednesdays 1pm-2pm EST
Security & Trust WG	Thursdays 2pm-3pm EST
Comprehensive HIE Interoperability WG	Tuesdays 2pm-3pm EST
Individual Involvement WG	Thursdays 1pm-2pm EST
Implementation Geographies WG	Fridays 2pm-3pm EST
Addressing WG	Wednesdays 3:30pm-4:30pm EST
Abstract Model Review WG	Wednesdays 11am-12pm EST
Concrete Implementation WG	Tuesdays 12pm-1pm EST

Over 175 Implementation Group Participants

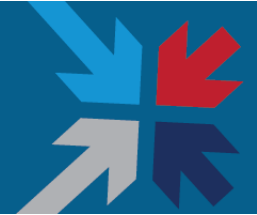


- » **PHR**
 - Microsoft (HV/Amalga)
- » **EHR**
 - Allscripts
 - Cerner
 - eClinicalWorks
 - Epic
 - GE
 - McKesson (through RelayHealth)
- » **HIE Technology**
 - RelayHealth (also PHR)
 - Axolotl
 - Mirth
 - VisionShare
 - GE
 - MedAllies
 - CSC
 - Medicity
 - Kryptiq
 - IBM/Open Health Tools
 - Secure Exchange Solutions
 - Informatics Corporation of America
 - Microsoft (HV/Amalga)
 - Oracle Health Sciences
 - Carespark/Anakam
 - Carespark/Mobile MD
- » **HIT Association**
 - Clinical Groupware Collaborative
- » **Medical Associations**
 - American Academy of Family Physicians
- » **State/Regional HIO**
 - CA (Jonah and David Lansky)
 - CA (Redwood MedNet)
 - TN (CareSpark)
 - MA (NEHEN-CSC)
 - MAeHC
 - NY (HIXNY)
 - NY (Hudson Valley) (through MedAllies)
 - HITOC (Oregon Health Information Technology Oversight Council)
 - RIQI (Rhode Island Quality Institute)
 - Carespark
 - HealthBridge
- » **IDN**
 - Kaiser
 - BIDMC/CareGroup
- » **Consulting**
 - Gartner
 - Carespark/CGI Federal
 - Carespark/Serendipity Health
 - HLN Consulting
- » **National Network**
 - SureScripts
 - Medplus/Quest
- » **Federal**
 - Veteran's Administration
 - Social Security Administration
 - National Institutes of Health



Face-to-Face Meeting

Face-to-Face Meeting



At the end of the day, we want:

- » Group consensus on:
 - » Set of User Stories
 - » Content Container Specification
 - » Security & Trust Specification
 - » Comprehensive HIE Service Description
 - » Individual Involvement Service Description
 - » Addressing Specification
 - » Abstract Model
- » Discussion about:
 - » Concrete Implementation
 - » Implementation Geographies

Homework for Face-to-Face Meeting



- » All participants should come prepared to the Face to Face and be familiar with the following:
 - User Stories:
 - <http://nhindirect.org/User+Stories>
 - Content Container Specification:
 - <http://nhindirect.org/Content+Container+Specification>
 - <http://nhindirect.org/message/view/Specifications+and+Service+Descriptions/21511779>
 - Individual Involvement Recommendation
 - <http://nhindirect.org/Patient+to+Provider+Issues+and+Implementation>
 - Addressing Specification
 - <http://nhindirect.org/Addressing+Specification>
 - Abstract Model
 - <http://nhindirect.org/NHIN+Direct+Abstract+Model>
 - Security & Trust Spec:
 - WG will be providing HW
 - Comprehensive HIE Service Description:
 - WG will be providing HW

Logistics for the Face-to-Face Meeting



» Logistics:

- For organizational representatives:
 - Hubert Humphrey Building, room 705A
 - For non federal employees, please arrive at 9:40AM to begin the sign-in process
 - Lunch will be delivered, be sure to place and order
- For other IG members:
 - Call in: 1-866-816-4209 Participant Code: 3980879
 - Presentation will be distributed beforehand