

28 June 2006

Office of the National Coordinator for  
Health Information Technology

## ***Nationwide Health Information Network Forum***

**Session Number: 1.3**

**Session Name: Record Locator Service and Repositories**

**Facilitator: Bob Yench, Alschuler Associates, LLC**

**Discussant: Lee Jones, GSI, LLC**



U.S. Department of Health and Human Services

# Agenda

## Introduction

- Process for the Breakout Discussion
- Description of Content Area

## Discussion

- Specific Areas of Variation or Need
- New Issues
- Architecture Differences
- Requirements Gaps
- Defining Minimal
- Questions to Consortia

# Introduction - Session Process

- Please use microphones during discussions – sessions are being audio recorded
- Handouts
  - Functional Requirements .xls spreadsheet
  - Requirements Input Form
- Focus discussion on this entity area
- Not a review of individual requirements
- Requirements with policy implications will be noted and sent to appropriate process for discussion (e.g, HIT Policy Council, etc.)

# Introduction - Session Overview

Session Number	Title
1.1	Care Delivery Organizations
1.2	Network Services
1.3	Record Location Services and Repositories
1.4	Consumer Systems
1.5	Data Analysis and Secondary Use Systems

## Entities to be discussed

### Record Location Services and Repositories

- Health Information Intermediaries
- Record Locator Services
- Master Patient Indices (MPI)
- Repositories

# Introduction - Entity Definitions

<b>Entity</b>	<b>Definition</b>
<b>Health Information Intermediaries</b>	<b>Requirements that are unique to NHIN participant systems that facilitate the exchange of information among healthcare organizations, whether or not such participant systems conform to the HIPAA definition of a clearinghouse.</b>
<b>Record Locator</b>	<b>Systems that contain information about and pointers to records.</b>
<b>Master Person Indices and other patient matching</b>	<b>Requirements that are unique to NHIN participant systems that are used to match patients to their data.</b>
<b>Repositories</b>	<b>Requirements with respect to data retained within the NHIN.</b>

## Discussion – Quick Review of Identified Issues

- What data and services should be included in a record locator service?
- What systems functions are necessary to support access and use rules in a record locator service? In federated master patient indices?
- What directory information and systems capabilities are needed for networks to push data to provider systems? To send recalls and alerts?
- Given the concerns about confidentiality, security, and issues about authentication, maintenance, and other support costs, what are the benefits of data stores at different points in an overall architecture?
- Are there reasons that network performance can not rely on the variable system characteristics of edge systems?

## Discussion – Quick Review of Identified Issues (continued)

- How will federated approaches handle scalability issues?
- If the NHIN relies on probabilistic patient matches to lookup patient data, what technical needs should be considered in specifying the minimum data required for patient identification?
- Under what circumstances can the NHIN rely on probabilistic patient matching (e.g., user-initiated “pull” requests for data, system-initiated “pull” requests for a data where there is not a live user, “push” routing, and/or aggregation?)

## Discussion – New Issues

What other issues are there that have not been identified?



## Discussion – Specific Areas of Variation or Need

- What data and services should be included in a record locator service?
- What systems functions are necessary to support access and use rules in a record locator service?
  - In federated master patient indices?

## Discussion – Specific Areas of Variation or Need

- What directory information and systems capabilities are needed for networks to push data to provider systems?
  - To send recalls and alerts?

## Discussion – Specific Areas of Variation or Need

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## Discussion – Specific Areas of Variation or Need

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## Discussion – Specific Areas of Variation or Need

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## Discussion – Specific Areas of Variation or Need

- If the NHIN relies on probabilistic patient matches to lookup patient data, what technical needs should be considered in specifying the minimum data required for patient identification?

## Discussion – Specific Areas of Variation or Need

- Under what circumstances can the NHIN rely on probabilistic patient matching?
  - e.g., user-initiated “pull” requests for data, system-initiated “pull” requests for a data where there is not a live user, “push” routing, and/or aggregation

# Discussion of New Issues Identified

- New Issues



## Discussion - Architectural Differences

- Are there significant architectural differences?
- How many different architectural approaches are actually represented in this breakout area?
- What are they?

## Discussion - Requirements Gaps

What are the areas where there are requirements gaps for this entity area?

## Discussion – Defining Minimal

NCVHS needs to eventually refine the >1100 requirements to a “minimal”, but inclusive list. What is the best approach to having “minimal” requirements in this entity area?

## Discussion - Questions to Consortia

What questions or issues would you like to ask of the consortia relative to this entity area?

# Agenda Review

## Wednesday, June 28 Afternoon

1:30- 3:00 pm	Entity Break Out Sessions
3:00- 3:15 pm	Break
3:15- 4:45 pm	Functional Category Breakout Sessions
4:45 pm	Adjourn

## Thursday, June 29 Morning

8:00- 9:00 am	Use Case and NHIN Infrastructure Breakout Sessions
9:00- 9:15 am	Break
9:15- 10:15 am	Plenary Session- NHIN Consortia Architecture Response
10:15- 10:30 am	Break
10:30- 12:30 am	Closing Plenary Presentations to NCVHS and Public Comment

# Documents for Reference

## General



Functionality  
Requirements XLS



NHIN Requirements  
Approach

## Session

## Specific



Session 1.3 Specific

Please note: To access embedded documents, please press "esc" key to exit presentation mode