

28 June 2006

Office of the National Coordinator for  
Health Information Technology

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

**Session Number: 2.2**

**Session Name: Data Transactions**

**Facilitator: Christine Fantaskey, Booz Allen Hamilton**

**Discussant: Linda Fischetti, Department of Veterans' Affairs**



U.S. Department of Health and Human Services

# Agenda

## Introduction

- Process for the Breakout Discussion
- Description of Content Area

## Discussion

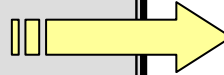
- Specific Areas of Variation or Need
- New Issues
- Architecture Differences
- Requirements Gaps
- Defining Minimal
- Questions to Consortia

# 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 functional category
- 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
2.1	Data Content
2.2	Data Transactions
2.3	Data Transformation
2.4	Information Location and Data Storage
2.5	System Qualities
2.6	Security



## Functional Categories to be discussed

### Data Transactions

- Pull
- Push
- Audit and Logging
- Data Access and Update

# Introduction- Functional Category Definitions

<b>Data Transmission (Push)</b>	<b>The functional requirements to support the unsolicited sending of data.</b>
<b>Data Retrieval (Pull)</b>	<b>The functional requirements to support the request/retrieval of data.</b>
<b>Audit and Logging</b>	<b>Functionality to support the recording of transactions and capability to review such recordings. For example, the functionality to support the identification and monitoring of activities within an application or system.</b>
<b>Data Access and Update</b>	<b>The ability to retrieve, view, and modify data, within prescribed policies.</b>

# Discussion – Quick Review of Identified Issues

- Should early NHIN transaction efforts focus on granular data or document level data exchange?
- Are there data that are best delivered by “push” delivery to end data systems? What are they?
- What are the system requirements to support “push” data routing?
- Are there data that are best accessed by “pulling” them from systems as needed? What are they?
- Are there intermediate models of data management between full “push” and full “pull”?
- What services are necessary to support transaction audits and logs across participant organizations?
- What level of transaction confirmation (hardware, software, message/query, data interpretation) is necessary at different points in an architecture?
- How can one characterize the requirements for introducing new data standards in the NHIN? Can they be introduced all at once? If not, what sequence of events should be considered for achieving conformance with the standards?
- What topics should be covered in a common set of business rules for NHIN data transactions? Will achieving this common set of business rules accelerate ultimate adoption?

## Discussion – New Issues

What other issues are there that have not been identified?

## Discussion – Specific Areas of Variation or Need

- Should early NHIN transaction efforts focus on granular data or document level data exchange?



## Discussion – Specific Areas of Variation or Need

- Are there data that are best delivered by “push” delivery to end data systems? What are they?
- What are the system requirements to support “push” data routing?

## Discussion – Specific Areas of Variation or Need

- Are there data that are best accessed by “pulling” them from systems as needed?  
What are they?

## Discussion – Specific Areas of Variation or Need

- Are there intermediate models of data management between full “push” and full “pull”?

## 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

- How can one characterize the requirements for introducing new data standards in the NHIN? Can they be introduced all at once? If not, what sequence of events should be considered for achieving conformance with the standards?

## Discussion – Specific Areas of Variation or Need

- What topics should be covered in a common set of business rules for NHIN data transactions? Will achieving this common set of business rules accelerate ultimate adoption?

# 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 functional category?

## 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 functional category?

## Discussion - Questions to Consortia

What questions or issues would you like to ask of the consortia relative to this functional category?

# 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 2.2 Specific

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