

28 June 2006

Office of the National Coordinator for
Health Information Technology

Nationwide Health Information Network Forum

Session Number: 2.3

Session Name: Data Transformation

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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 Transformation

- Data Filtering
- Data Mapping/ Translation
- Data Rendering

Introduction - Functional Category Definitions

Data Filtering	The functional requirements to support identifying and/or qualifying data that needs to be transmitted.
Data Mapping/Translation	The functional requirements to support reformatting or expressing data in different terms. These requirements may relate to terminology and/or message structure.
Data Rendering	The ability to present data.

Discussion – Quick Review of Identified Issues

- Data structure and terminology transformation seems to be an inevitable part of early NHIN activities. Where should these transformations occur now and where should they eventually occur?
- Is there a clear migration path between the transformation system needs now and in an end state architecture?
- Are there shared network services that can help support early and later transformation needs?
- Are there special technology or tooling needs for the NHIN that are not commonly used in the healthcare industry?
- What can the Health Information Technology Standards Panel do to best support the needs of NHIN data transformation?
- What are the needs for identifiers other than users and patients (e.g., institutions, institutional sub-units, other organizational entities, globally unique order identifiers)?
- What architectural considerations and technologies exist, if any, to support dynamically distributing filtering requirements through the NHIN?
- What functional, architectural and technology considerations support assuring the robustness of data interfaces in a network of the scale of the NHIN?
- Are there specific standards or architectural issues associated with enabling selective inquiries on clinical data?

Discussion – New Issues

What other issues are there that have not been identified?

Discussion – Specific Areas of Variation or Need

- Data structure and terminology transformation seems to be an inevitable part of early NHIN activities. Where should these transformations occur now and where should they eventually occur?

Discussion – Specific Areas of Variation or Need

- Is there a clear migration path between the transformation system needs now and in an end state architecture?

Discussion – Specific Areas of Variation or Need

- Are there shared network services that can help support early and later transformation needs?

Discussion – Specific Areas of Variation or Need

- Are there special technology or tooling needs for the NHIN that are not commonly used in the healthcare industry?

Discussion – Specific Areas of Variation or Need

- What can the Health Information Technology Standards Panel do to best support the needs of NHIN data transformation?

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

- Are there specific standards or architectural issues associated with enabling selective inquiries on clinical data?

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 2.3 Specific

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