

28 June 2006

Office of the National Coordinator for
Health Information Technology

Nationwide Health Information Network Forum

Session Number: 1.5

Session Name: Data Analysis and Secondary Use Systems

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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 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

**Data Analysis and Secondary Use
Systems**

**Data Analysis and Secondary Use
Systems**

**•Data Analysis and Secondary Use
Systems- Public Health**

Introduction - Entity Definitions

Entity	Definition
Data Analysis and Secondary Use Systems	Systems that receive and derive value from analysis of aggregations of data received via the NHIN.
• Public Health	Systems that use data for surveillance of diseases and biological or chemical threats and other public health functions.
• Quality Evaluation	Systems that use data for evaluation of the quality of care.
• Clinical Trials	Systems that use data as part of clinical trials.
• Adverse Events	Systems that receive data for adverse event reporting.

Discussion – Quick Review of Identified Issues

- What NHIN functions are necessary to support secondary use systems?
- What functions, if any, need to be in place for inline data analysis and what role would the NHIN play in implementing them?
- How important is data normalization in supporting secondary use systems? In inline data analysis?
- Do data analysis and secondary use systems require that a person-centric data store exist somewhere in edge or network systems?
- Are there ways that any necessary data normalization can be technically supported by those who derive value from its accomplishment?
- Is there a requirement to be able to correlate anonymized data originating from different care delivery organizations, prior to re-associating the data with patient identifying information?
- What are the timeliness requirements for resolving the pseudo-anonymized links to provide actual patient identity information?
- What requirements exist in the NHIN for conveying data that is not associated with a person (e.g., an animal, a herd, or a locale)?



Discussion – New Issues

What other issues are there that have not been identified?

Discussion – Specific Areas of Variation or Need

- What NHIN functions are necessary to support secondary use systems?

Discussion – Specific Areas of Variation or Need

- What functions, if any, need to be in place for inline data analysis?
 - What role would the NHIN play in implementing them?

Discussion – Specific Areas of Variation or Need

- How important is data normalization in supporting secondary use systems?
 - In inline data analysis?

Discussion – Specific Areas of Variation or Need

- Do data analysis and secondary use systems require that a person-centric data store exist somewhere in edge or network systems?

Discussion – Specific Areas of Variation or Need

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Discussion – Specific Areas of Variation or Need

- Is there a requirement to be able to correlate anonymized data originating from different care delivery organizations, prior to re-associating the data with patient identifying information?

Discussion – Specific Areas of Variation or Need

- What are the timeliness requirements for resolving the pseudo-anonymized links to provide actual patient identity information?

Discussion – Specific Areas of Variation or Need

- What requirements exist in the NHIN for conveying data that is not associated with a person?
 - e.g., an animal, a herd, or a locale

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 1.5 Specific

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