“The National Drive Toward Interoperability: How the CAQH CORE Rules Make a Difference”

CAQH Administrative Simplification Conference
Washington, DC | September 2008
The Panel’s Purpose

To harmonize and integrate diverse standards that will meet clinical and business needs for sharing information among organizations and systems.

- Establish HITSP Interoperability Specifications and promote their acceptance;
- Support the deployment and implementation of HITSP Interoperability Specifications across the health care enterprise;
- Facilitate the efforts of standards developing organizations to maintain, revise or develop new standards as required to support the HITSP Interoperability Specifications.

Harmonized standards promote interoperability, enhance healthcare quality and contain costs.
In 2005, HHS Secretary Michael Leavitt chartered a public-private “Community” to serve as the focal point for America’s health information concerns and drive opportunities for increasing interoperability.

The Community provides input and recommendations to HHS on how to make health records digital and interoperable, and assure that the privacy and security of those records are protected, in a smooth, market-led way.

Plans are now underway to transition the AHIC to a public-private partnership based in the private sector.
Joint Working Group

Healthcare Information Technology Standards Panel (HITSP) and the Certification Commission on Healthcare Information Technology (CCHIT)

Between the federal implications and the certification efforts of CCHIT, stakeholders will be motivated to adopt a standard way of sharing data throughout the Nationwide Health Information Network, leading to better healthcare for us all.
HITSP and its Stakeholders

HITSP is a volunteer-driven, consensus-based organization that is funded through a contract from the Department of Health and Human Services.

The Panel brings together experts from across the healthcare community . . .

- from *consumers* to *doctors, nurses, and hospitals*;
- from *those who develop* healthcare IT products to *those who use them*; and
- from the *government agencies* who monitor the U.S. healthcare system to those *organizations that are actually writing healthcare IT standards*. 
HITSP and its Stakeholders

<table>
<thead>
<tr>
<th>Patients</th>
<th>Specialists</th>
<th>Review Boards</th>
<th>Outpatient Healthcare Providers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consumers</td>
<td>Payers</td>
<td>Practice Guidelines</td>
<td></td>
</tr>
<tr>
<td>Employers</td>
<td>Suppliers</td>
<td>Residential Care Providers</td>
<td>Government Agencies</td>
</tr>
<tr>
<td>General Practitioners</td>
<td>Hospitals</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**HEALTHCARE INFORMATION TECHNOLOGY STANDARDS PANEL**

**Panel Members – Board of Directors – Technical and Coordination Committees**

<table>
<thead>
<tr>
<th>Standards Developing Organizations (SDOs)</th>
<th>Non-SDOs</th>
<th>Government Bodies</th>
<th>Consumer Groups</th>
<th>Project Team Members (non-voting)</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>23</td>
<td>313</td>
<td>34</td>
<td>16</td>
<td>12</td>
<td>398</td>
</tr>
<tr>
<td>6%</td>
<td>79%</td>
<td>4%</td>
<td>4%</td>
<td>3%</td>
<td>100%</td>
</tr>
</tbody>
</table>

**HITSP members are representatives of the broad Healthcare IT community**
HITSP Industry Support Exemplified by the Early Implementers featured at the HIMSS Interoperability Showcase in 2008

HITSP Early Implementers at HIMSS 2008 Showcase

- Accenx
- Acuo
- Agfa Healthcare
- Alert
- Allscripts
- Blueware
- Capmed
- Carestream
- Careev
- CORE
- Dejarnette
- Digichart
- Epic
- GE Medical
- Greenway Medical
- HXTI
- IBM
- Initiate
- Intersystems
- McKesson
- MedNet
- Microsoft
- MIE
- Misys
- NDOrange
- NextGen
- NoMoreClipboard
- NUVON
- Quovodx
- Sage
- SAIC
- Software Partners
- University of Washington

A Journey through the Patient Care Delivery Process

A Private Matter
Trial Implementations

HHS has awarded $22.5 million in contracts to nine HIEs to begin trial implementations of the NHIN.

- CareSpark
  Tricities region of Eastern Tennessee and Southwestern Virginia

- Delaware Health Information Network
  Delaware

- Indiana University
  Indianapolis metroplex

- Long Beach Network for Health
  Long Beach and Los Angeles, California

- Lovelace Clinic Foundation
  New Mexico

- MedVirginia
  Central Virginia

- New York eHealth Collaborative
  New York

- North Carolina Healthcare Information and Communications Alliance, Inc.
  North Carolina

- West Virginia Health Information Network
  West Virginia

HITSP is working closely with these contractors during implementation.
HIT Standardization

HITSP members agreed that a standard is a well-defined approach that supports a business process and . . .

- has been agreed upon by a group of experts;
- has been publicly vetted;
- provides rules, guidelines, or characteristics;
- helps to ensure that materials, products, processes and services are fit for their intended purpose;
- is available in an accessible format;
- is subject to an ongoing review and revision process.

Standards Harmonization is required when a proliferation of standards prevents progress rather than enabling it.
HITSP Standards Harmonization

1. Identify a pool of standards for a general breakthrough area
2. Identify gaps and overlaps for specific context
3. Make recommendations for resolution of gaps and overlaps
4. Develop **Interoperability Specifications** for using the selected standard(s) for a specific context
5. Test the instruction for using the standard
Building a Framework for HIT Solutions

- **Interoperability Specifications** are intended to be used by architects and system designers as a way to guide future implementation efforts based on health IT.

- These specifications represent an ongoing effort to create a framework/template that represents a solution set for solving the known problems related to an AHIC-defined Use Case.
Steps in the HITSP Harmonization Process

I  II  III  IV  V  VI  VII  VIII  IX

Receive Request to Harmonize

Identify Candidate Standards

Conduct Requirements Analysis

Identify and Resolve Gaps, Duplications and Overlap

Select Standards

Develop Interoperability Specification

Begin Inspection Testing

Release and Disseminate Interoperability Specification

Begin Support

HITSP Program Management
Harmonization Framework

Use Case
Identifies interoperability business needs

Interoperability Specification
- Identifies what HITSP lower-level constructs are used to meet business needs
- Defines Requirements, Context and Constraints for those constructs
- Addresses multi-year roadmap as needed

Composite Standard #1
Base Standard #2
Base Standard #3
Composite Standard #4
Base Standard #5
Base Standard #...
Base Standard #n

Available for Internal reuse or repurposing

Technical Notes
Transaction Package
Transaction
Component

SDO

HITSP: Enabling interoperability across the health care enterprise
Standards Readiness Criteria
“Tier II”

Suitability
The standard is named at a proper level of specificity and meets technical and business criteria of use case

Compatibility
The standard shares common context, information exchange structures, content or data elements, security and processes with other HITSP harmonized standards or adopted frameworks as appropriate

Preferred Standards Characteristic
Approved standards, widely used, readily available, technology neutral, supporting uniformity, demonstrating flexibility and international usage are preferred

Standards Development Organization and Process
Meet selected criteria including balance, transparency, developer due process, stewardship and others

Total Costs and Ease of Implementation
Deferred to future work
HITSP Technical Committee Matrix Organization

Provider Perspective

Population Perspective

Consumer Perspective

Care Management and Health Records Domain Committee

Security, Privacy and Infrastructure Domain Committee

Administrative and Financial Domain Committee
<table>
<thead>
<tr>
<th>Use Case Category</th>
<th>Use Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>EHR Lab Reporting</td>
<td></td>
</tr>
<tr>
<td>Biosurveillance</td>
<td>Mediation Management, Consumer Empowerment</td>
</tr>
<tr>
<td>Quality Reporting</td>
<td>Consumer Access to Clinical Information, Consultations and Transfers of Care</td>
</tr>
<tr>
<td>Immunizations and Response Management</td>
<td>Patient – Provider Secure Messaging, Emergency Responder - EHR</td>
</tr>
<tr>
<td></td>
<td>Public Health Case Reporting, Remote Monitoring</td>
</tr>
</tbody>
</table>

Note: Shaded boxes indicate Use Cases in which CORE Rules are included.
## CORE Rules in HITSP Specifications

<table>
<thead>
<tr>
<th>HITSP Number</th>
<th>HITSP Name</th>
<th>CORE Rules</th>
<th>HITSP Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS03</td>
<td>Consumer Empowerment</td>
<td>C32 – Summary Document Using HL7 CCD - includes CORE Phase I Data Content Rule as informative text in insurance module</td>
<td>V2.1 Recognized&lt;br&gt;V3.0 Accepted&lt;br&gt;V3.0.1 Panel Review</td>
</tr>
<tr>
<td>IS05</td>
<td>Consumer Empowerment and Access to Clinical Information via Media</td>
<td></td>
<td>V1.0 Accepted&lt;br&gt;V1.0.1 Panel Review</td>
</tr>
<tr>
<td>IS07</td>
<td>Medication Management</td>
<td>T40 – Patient Generic Health Plan Eligibility Verification Transaction - includes complete CORE Phase I Rule Set</td>
<td>V1.0 Released&lt;br&gt;V1.0.1 Panel Review</td>
</tr>
<tr>
<td></td>
<td></td>
<td>T85 – Administrative Transport to Health Plan – includes CORE Phase II Connectivity Rule</td>
<td>T85 Approved by SPI-DTC. Will be reviewed by Perspective TC in September</td>
</tr>
<tr>
<td>IS08</td>
<td>Personalized Healthcare</td>
<td>T40 and T85 will be included in all of these.</td>
<td>T40 being modified in 2008 to include CORE Phase II rules</td>
</tr>
<tr>
<td>IS09</td>
<td>Consultations and Transfers of Care</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IS77</td>
<td>Remote Monitoring</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Addition to T-40 Concerning CORE

To support “Patient Health Plan Eligibility Verification,” HITSP is using the Accredited Standards Committee (ASC) X12 270 and 271 transaction standards version 4010, using the Insurance Subcommittee X12N Implementation Guides reference number 004010X92 plus an Addenda reference number 004010X92A1. This X12N Implementation Guide is also being constrained by HITSP via the CAQH CORE Phase I and Phase II Operating Rules for the ASC X12 270/271 Eligibility and Benefits Inquiry and Response. The CAQH CORE Phase I and Phase II Operating Rules bring additional and other requirements permitted within the X12 standards for the exchange of the HIPAA-adopted X12N 270/271 Eligibility and Benefit Inquiry and Response Transactions between a healthcare provider (information requester) and a health plan (information source). They are focused on providing operating rules for more useful and consistent conduct of the 270/271 transactions between any information requester (such as a private physician office, a clinic or an acute care in-patient facility) and any information source (such as a health plan, an insurance company or a third-party administrator).
Executive Order 13410:
Promote Quality and Efficient Health Care in Federal Government Administered or Sponsored Health Care Programs

Sec. 3. Agencies shall perform the following functions:

Health Information Technology -

For Federal Agencies. As each agency implements, acquires, or upgrades health information technology systems used for the direct exchange of health information between agencies and with non-Federal entities, it shall utilize, where available, health information technology systems and products that meet recognized interoperability standards.

HITSP-Harmonized standards promote interoperability, enhance healthcare quality and contain costs
Federal Agencies must use the Recognized Interoperability Standards that have been harmonized by the Healthcare Information Technology Standards Panel

Federal Register/Vol. 73, No. 15/Wednesday, January 23, 2008/Notices

DEPARTMENT OF HEALTH AND HUMAN SERVICES

Office of the National Coordinator for Health Information Technology (ONC), DHHS

Notice of Availability: Secretarial Recognition of Certain Healthcare Information Technology Standards Panel (HITSP) Interoperability Specifications as Interoperability Standards for Health Information Technology

HITSP is playing an integral role in the development of a national agenda for adoption of interoperable healthcare IT in the United States
Join HITSP in developing a safe and secure health information network for the United States.

Learn more at [www.hitsp.org](http://www.hitsp.org) or contact . . .

Michelle Deane, ANSI
mmaasdeane@ansi.org

Re: HITSP, its Board and Coordinating Committees

Jessica Kant, HIMSS
jkant@himss.org

Theresa Wisdom, HIMSS
twisdom@himss.org

Re: HITSP Technical Committees
Sponsor

Strategic Partners

HITSP: Enabling interoperability across the health care enterprise