

2010 Minnesota e-Health Summit

Break out Session # 3 Connecting for Meaningful Use: “Live” Demonstrations from MN Health Information Organizations

June 17, 2010

SESSION MODERATOR

Bobbie McAdam
 Director, eBusiness
 Medica
 Standards Workgroup, Co-Chair
 Advisory Committee Member
 Minnesota e-Health Initiative



Session Goals & Agenda

Session Goals

- Learn about activities and accomplishments of the MN e-Health Standards workgroup and opportunities to be involved in e-Health standards
- Gain knowledge of Health Information Organizations (HIOs) in Minnesota and the services they offer to facilitate meaningful use
- Understand how standards and exchange of information will meet meaningful use and help in accessing incentives

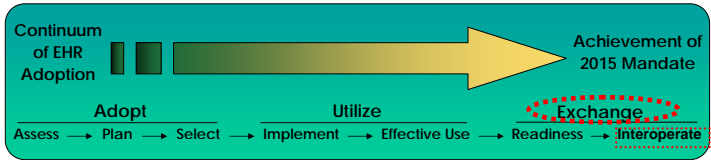
Session Agenda & Speakers

- Bobbie McAdam**
 Director, eBusiness, Medica
 Standards Workgroup Co-Chair, Advisory Committee Member, Minnesota e-Health Initiative
- Mike Ubl**
 Executive Director, Minnesota Health Information Exchange (MN-HIE)
 Standards Workgroup Co-Chair, Advisory Committee Member, Minnesota e-Health Initiative
- Cheryl Stephens**
 Executive Director, Community Health Information Collaborative (CHIC)
 Advisory Committee & Standards Workgroup Member, Minnesota e-Health Initiative




Minnesota Model for Adopting Interoperable Electronic Health Records

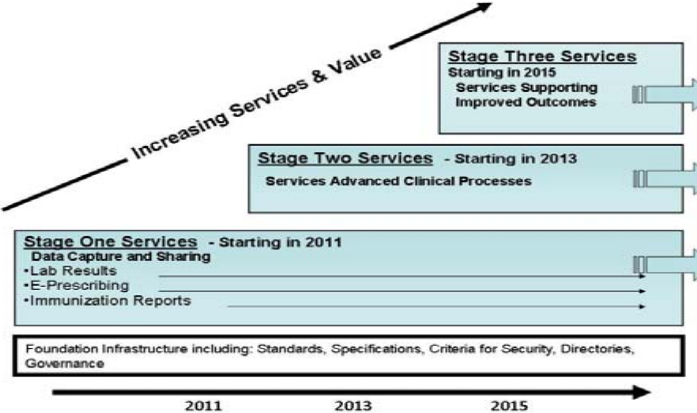
- Breaks achieving the 2015 Mandate into manageable steps
- Applies across organizational settings



Achievement of 2015 Mandate



Exchange Requirements in Stages of Meaningful Use



Increasing Services & Value

Stage Three Services - Starting in 2015
 Services Supporting Improved Outcomes

Stage Two Services - Starting in 2013
 Services Advanced Clinical Processes

Stage One Services - Starting in 2011
 Data Capture and Sharing
 • Lab Results
 • E-Prescribing
 • Immunization Reports

Foundation Infrastructure including: Standards, Specifications, Criteria for Security, Directories, Governance

2011 2013 2015

Standards Workgroup Update

Chartered by the Minnesota e-Health Advisory Committee
 Working collaboratively for the last 3 years: 2007-08, 2008-09, 2009-10

Workgroup Charge

- Identify and recommend nationally recognized standards, implementation specifications and certification criteria necessary to facilitate and expand the secure electronic movement and use of health information among organizations in Minnesota
- Review and comment on standards, implementation specifications and certification criteria related to meeting the requirements of “meaningful use” and recommend resources and actions that will help increase implementation of these standards.
- Review and comment on standards related to the development and implementation of statewide strategic and operational plans for health information exchange [Section 3013 of American Recovery and Reinvestment Act (ARRA)].

Co-Chairs

Bobbie McAdam & Mike Ubl

Subject Matter Expertise

Standards (technical and functional); interoperability; interfaces; health information exchange

Workgroup Staff

Priya Rajamani

Web Site

<http://health.state.mn.us/e-health/standrdshome.html>



Acknowledgements

Workgroup participants (as of Jun 10)

Aaron Reinert	Dan Jensen	Jeramie Harris	Laura Topor	Rina McManus
Alan Ainsworth	David Osborne	Jerome Alholm	Laurie Littlecreek	Roberta Testor
Andrew Tessier	Dawn Kuzma	Jerri Hiniker	Lois Mccarron	Sandvick, Mark
Barb Billing	Deb Castellanos	John Feikema	Mark Backlund	Sharon Ratliff-Crain
Bobbie McAdam	Debra Green	John Lillie	Mark Sonneborn	Steve Heimel
Bonnie Westra	Elizabeth Schultz	Julie Marquardt	Martin LaVenture	Steve Pine
Brian Salzman	Emily Peterson	Kathy Dillon	Michael Ubl	Steve Ring
Carla Pogliano	Frank Mckinney	Kathy Latour	Patrice Kuppe	Steve Smerz
Carolyn Jones	Jason Proulx	Kevin Larsen	Peter Schuna	Stuart Speedie
Cheryl Stephens	Jazmine Garcia	Lachelle	Phil Denucci	Susan Sperl
Chris Hirsch	Jeff Blade	Lance Guth	Priya Rajamani	Tamara Wenden
				Trish Lytu



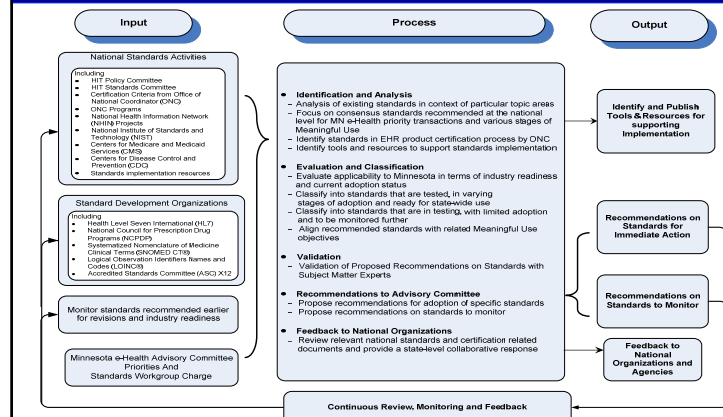
Standards Workgroup

Key Accomplishments: Sep 2009 – Jun 2010

- Reviewed and discussed **national standards recommendations** on three key areas related to meaningful use & invited national subject matter experts to meetings
 - Clinical operations: Dr. Chris Chute, Member HIT Standards Committee
 - Privacy and Security: Dr. Dixie Baker, Member HIT Standards Committee
 - Clinical quality: Dr. Daniel Rosenthal, Senior HIT Advisor, National Quality Forum
- Submitted coordinated response** to
 - National HIT standards committee on implementation of standards
 - ONC on Standards Interim Final Rules
 - ONC on proposed rules for establishment of certification programs for health information technology
- Discussed and provided input on **technical infrastructure sections of the Minnesota e-Health Strategic Plan for Health Information Exchange**
- Reviewed and provided input on select sections related to standards on **Interim Final Rule on Electronic Prescriptions for Controlled Substances from Drug Enforcement Administration (DEA)**
- Updated Guide 2 (MN e-Health Standards Recommendations)** for release in 2010 Summit
- Updated standards resource guide** for release in 2010 Summit – will contain tools and resources to support implementation of e-health standards (including standards for meaningful use)



Minnesota Approach for Recommending eHealth Standards



Components of Standards Guide – Updated June 2010

Electronic Health Information Exchange

Coordination with National Efforts on Standards

Minnesota e-Health Framework for Interoperability

Key Actions for Achieving and Advancing Electronic Health Information Exchange

Standards Recommended for Use in Minnesota (as of June 2010)

- Interoperable Electronic Health Record Requirements
- Electronic Prescription Drug Program
- Laboratory Results Reporting
- Immunization Information Exchange
- Exchange of Clinical Summaries

Annotated Resource List

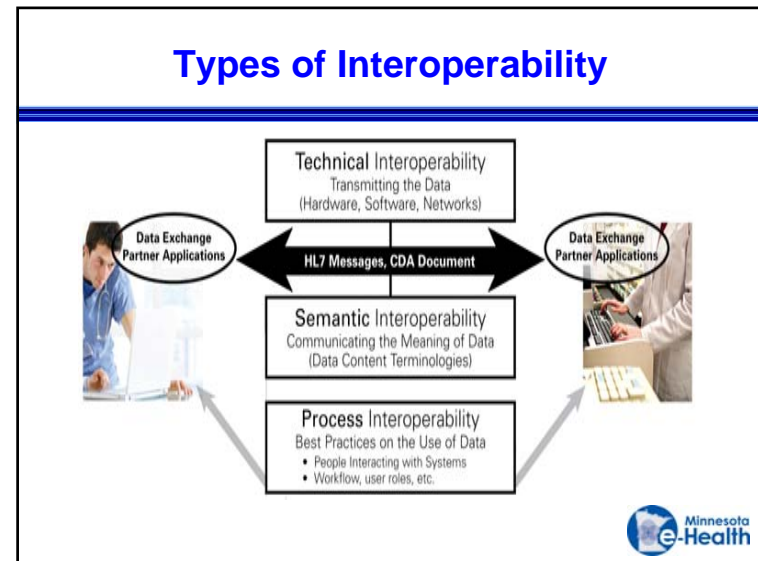
The arena of standards and health information exchange is highly dynamic; Check for the latest updates at www.health.state.mn.us/e-health

Health Information Exchange

- **Health information exchange**
 - Mobilization of health information electronically across organizations within a region or community according to nationally recognized standards
- **Vision for exchange of health information by Minnesota e-Health Initiative**
 - To electronically move health information among disparate health care information systems while maintaining the meaning of the information exchanged
- **Goal**
 - To facilitate access to and retrieval of health data to in order to improve health care quality, increase patient safety, reduce health care costs and improve public health

Minnesota e-Health Framework for Interoperability

- **Framework consists of**
 - Working definition
 - Types of interoperability
 - Transactions for Exchange
- **Interoperability of Electronic Health Records (EHR) systems in Minnesota** means the ability of two or more EHR systems or components of EHR systems to exchange information electronically, securely, accurately and verifiably, when and where needed. It is comprised of “**technical**,” “**semantic**” and “**process**” interoperability, and the information exchanged includes transactions and standards as defined by the Minnesota Commissioner of Health.
- **Transactions & standards in the definition currently include the following:**
 - Electronic Prescribing
 - Immunization Information Exchange
 - Laboratory Results Reporting
 - Exchange of Clinical Summaries
 - Public Health Surveillance and Case Reporting



Minnesota e-Health Framework for Interoperability and HITECH Act Requirements

- **Technical interoperability (transmitting the data)**
 - The HITECH Act of 2009 aims to promote technical interoperability amongst the various health information systems by requiring various standards for exchange.
 - *One of the meaningful use objectives related to electronic prescribing requires the use of recommended content exchange standard NCPDP SCRIPT 8.1 and NCPDP SCRIPT 10.6*
- **Semantic interoperability (communicating the meaning of data)**
 - One of the requirements of Stage 1 meaningful use is to incorporate clinical lab-test results into EHR as structured data.
 - *The recommended code set is LOINC® and the objective aims to capture coded laboratory results in an electronic health record, when LOINC® codes have been received from a laboratory.*
- **Process interoperability (best practices on exchange and use of data)**
 - *The current requirements for stage 1 meaningful use focus on technical and semantic interoperability. As meaningful use requirements progress over various stages, inclusion of process interoperability metrics to various objectives would add value.*



Key Actions for Achieving and Advancing Electronic Health Information Exchange

Please refer to page 22 of standards guide for the full list of 15 Actions

- Make sure your EHR is **certified** and **meets the requirements set forth by ONC** (Office of the National Coordinator) pursuant to the HITECH Act
- **Conduct a systematic assessment** to identify areas of practice that would benefit most from data exchange. Chances are it's the same areas for which national standards are established
- **Set your priority transactions for exchange** based on what improves care, what would qualify for financial incentives under “meaningful use” as part of federal stimulus legislation, what will provide the greatest operational improvement
- **Work with your vendor individually or as part of EHR product user group** to create plans for systems upgrades based on national recommendations for standards and data exchange
- **Utilize resources available through HITECH programs** such as Regional Extension Center for subsidized technical assistance, state designated entities for exchange, workforce training opportunities and incorporate best practices and lessons learned from Beacon community programs
- **Participate** in state, professional association or other workgroups related to interoperability and standards
- **Be informed**; Consider participating in Minnesota e-Health standards workgroup
www.health.state.mn.us/e-health



Implementation Tools and Resources

- Recommendations on MN e-health Standards
 - Updated 2010 Standards Guide
 - Available
 - e-Health Summit USB drive
 - e-health web site
- Resource document which provides details on meaningful use objectives, measures, methodology, recommended standards and related resource
 - Available online
- Current activities on standards, visit
 - <http://www.health.state.mn.us/e-health> and check standards sections



Opportunities to be Involved

Minnesota e-Health Standards Related Activities

Become a Member: **2010 – 2011 Standards Workgroup**
<http://www.health.state.mn.us/e-health/standrdshome.html>
Stay informed and involved in MN e-Health activities & make a difference!

For additional information, email: priya.rajamani@state.mn.us

National e-Health Standards Related Activities

HIT Policy Committee
HIT Standards Committee
<http://healthit.hhs.gov>




Resources Available Through the Minnesota e-Health HITECH Web Page

<http://www.health.state.mn.us/e-health/hitech.html>

HITECH Act Resources

- HIT Provisions of Federal Stimulus Package
- Minnesota’s Response to the HITECH Act
 - Health Information Exchange Cooperative Agreement Program in Minnesota
 - MN Operational Plan for Health Information Exchange
 - MN Strategic Plan for Health Information Exchange
 - Response to Proposed Rules for Meaningful Use
- MDH Public Conference Call Updates for Minnesota Stakeholders
- Frequently Asked Questions
- National Resources



For More Information

www.health.state.mn.us/e-health

Standards Workgroup (2009-2010)

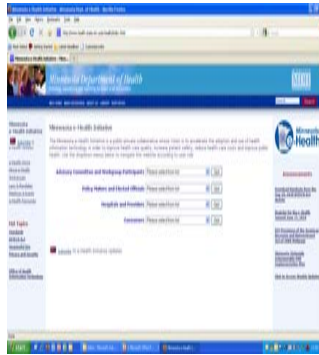
<p>Co-Chairs Bobbie McAdam Bobbie.McAdam@medica.com 952-992-2917</p>	<p>Staff Support Priya Rajamani priya.rajamani@state.mn.us 651-201-4119</p>
--	---

Michael Ubl
Michael.Ubl@mnhie.org

Minnesota Dept. of Health: e-Health

MDH Office of Health Information Technology
 Marty LaVenture
martin.laventure@state.mn.us
 651-201-5950

Liz Cinqueonce
liz.cinqueonce@state.mn.us
 651-201-5979



Connecting for Meaningful Use: “Live” Demonstrations from MN Health Information Organizations

- **Mike Ubl**
 Executive Director, Minnesota Health Information Exchange (MN-HIE)
 Standards Workgroup Co-Chair, Advisory Committee Member, Minnesota e-Health Initiative
- **Cheryl Stephens**
 Executive Director, Community Health Information Collaborative (CHIC)
 Advisory Committee & Standards Workgroup member, Minnesota e-Health Initiative

