

### Minnesota Mandate for Interoperability

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### Overview



### MN e-Health Initiative: Key Attributes

- Public-Private Collaborative
- Shared Vision across the Continuum of Health and Care
- Common Approach & Aligned Efforts
- Trusted Leadership
- Transparent and Open Process
- Informed by assessment data
- Publicly Shared Information & Knowledge
- Keep and eye to the future



## Minnesota e-Health Initiative

A public-private collaboration established in 2004

- Legislatively chartered
- Coordinates and recommends statewide policy on e-Health
- Develops and acts on statewide e-health priorities
- Reflects the health community's strong commitment to act in a coordinated, systematic and focused way



"Vision: ... accelerate the adoption and effective use of **Health Information Technology** to improve healthcare quality, increase patient safety, reduce healthcare costs, and enable individuals and communities to make the best possible health decisions."

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## MN e-Health Advisory Committee

Representing	Representing
Academics/ Research	Nurses
Clinic Managers	Pharmacists
Consumers	Physicians
Dentists	Primary Care/ Clinics
HIT Experts	Purchasers
Health Plans	State Agencies
Hospitals	State HIE Service Providers
Local Public Health	Quality Improvement Organizations
Long Term Care	Vendors

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## Workgroups Open Access to Participate

Participants are volunteers. The workgroups are adjusted annually to meet the goals set by the Commissioner of Health and the Community. They are charter driven and deliverables based interns.

### Past Workgroups

- Statewide HIT Implementation Plan
- E-Prescribing
- Communications and Outreach
- Adoption and Meaningful Use of EHRs
- Effective Use
- Health Information Exchange
- Standards and Interoperability
- Privacy and Security
- Population Health

## The Minnesota Model

### Continuum of EHR Adoption



- Published in 2008 (*Statewide Implementation Plan for Interoperable EHRs*)

– "Every health provider organization in Minnesota needs to be making progress through these seven steps of EHR adoption through effective use and exchange."

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## Policy Context

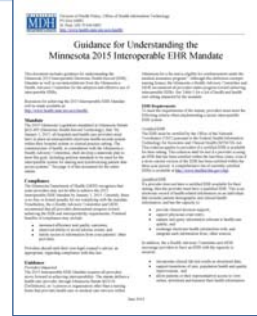
- Minnesota’s interoperable mandate
  - All health care providers in the state must implement an interoperable EHR system by January 1, 2015 (§62J.495).
- CMS meaningful use incentives (HITECH Act)
  - Funding for eligible hospitals and providers to adopt and use EHRs and related HIT tools

Common goal: improved delivery of health care and improved population health

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## Understanding the Law

- “Guidance for Understanding the Minnesota 2015 Interoperable EHR Mandate” (June 2013)
- Developed in collaboration with the 2012-13 Adoption and Effective Use Workgroup of the MN e-Health Advisory Committee



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

## Who Needs to Comply?

- A provider is any health care provider who provides a service that could be reimbursed by medical assistance, whether or not they accept these patients or receive payment for the service.
  - See table 1 of the guidance document for a list of impacted providers
- Much more broad than the meaningful use program

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## MN e-Health Progress 2004 – 2014



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### The Commitment Has Been Astounding

- 90 e-Health Advisory Committee members
- 11 Charter Driven Workgroups
- 400 + stories & lessons learned shared
- 35 + community organizations engaged
- ~ 5,000 list server participants in the community of interest
- ~ 2,000 subject experts contributed & provided input
- > 30,000 person hours of expert advice & input
- And much more ...

### MN e-Health Guidance

- Guide 1: Addressing Barriers to EHR Adoption
- Guide 2: Recommended Standards
- Guide 3: e-Prescribing
- Guide 4: Effective Use of EHRs
- Guide 5: Health Information Exchange



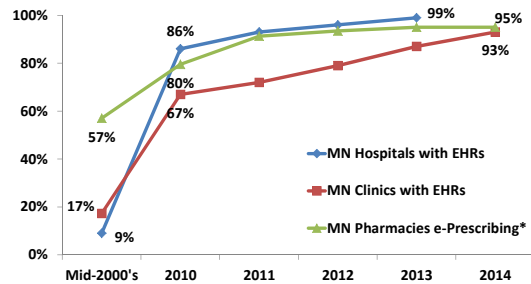
<http://www.health.state.mn.us/e-health/reports.html>

### Minnesota e-Health Summit Themes 2004 - 2014

A Private-Public Call to Action • **Building Momentum** • Connecting Minnesota • **From Vision to Action** • Strategies for Success • **Leveraging Meaningful Use** • Accelerating e-Health Across the Continuum of Care • **e-Health: Maximizing Value for Individuals and Communities** • Minnesota e-Health: Connecting, Optimizing, Transforming • **Looking Back to Celebrate, Looking Forward to Innovate**

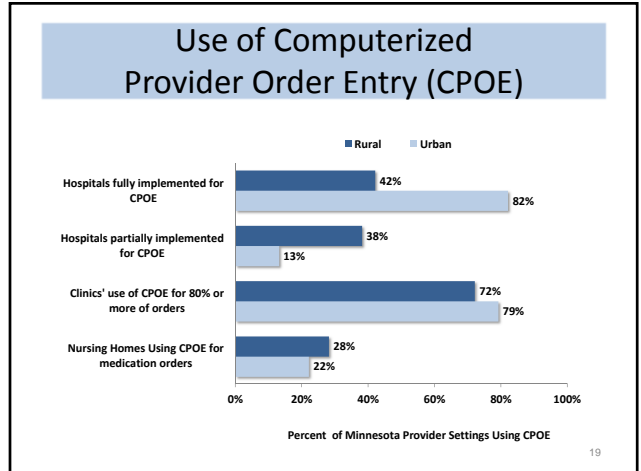
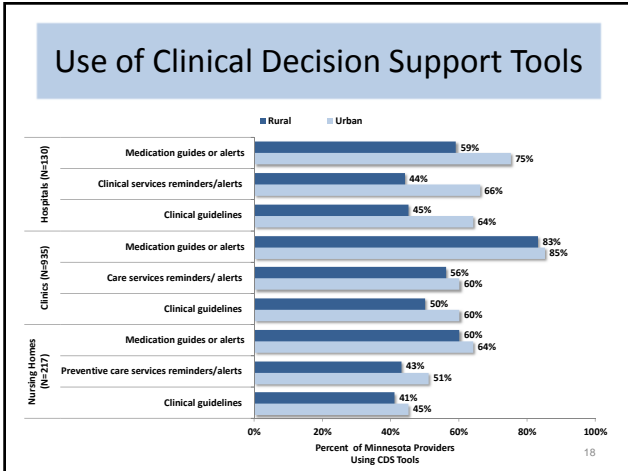
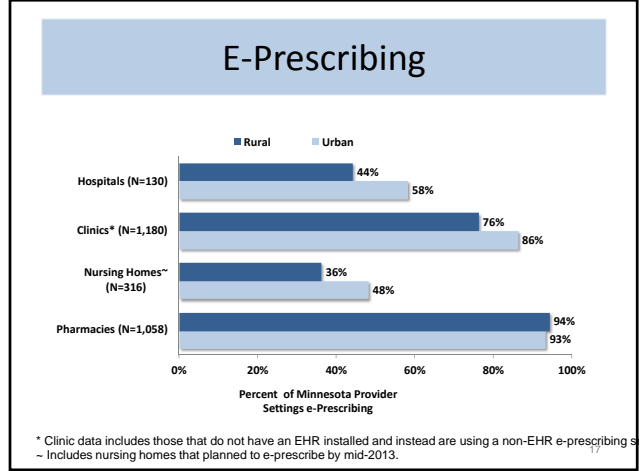
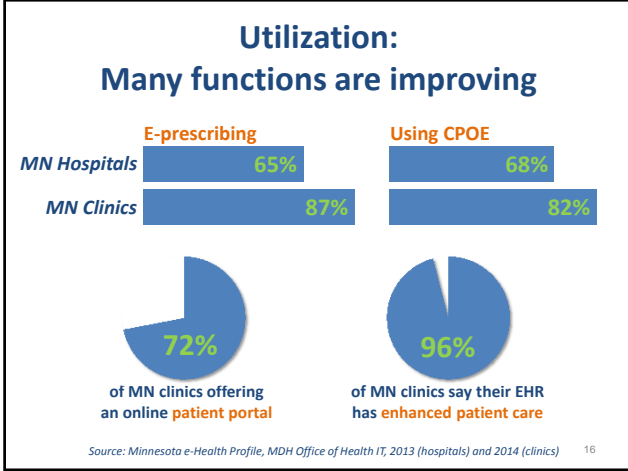
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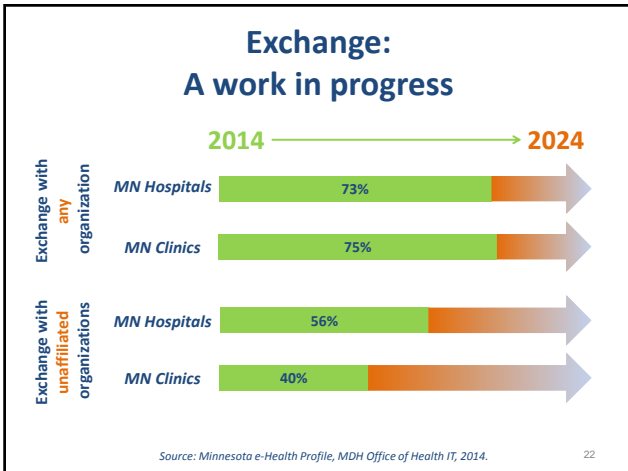
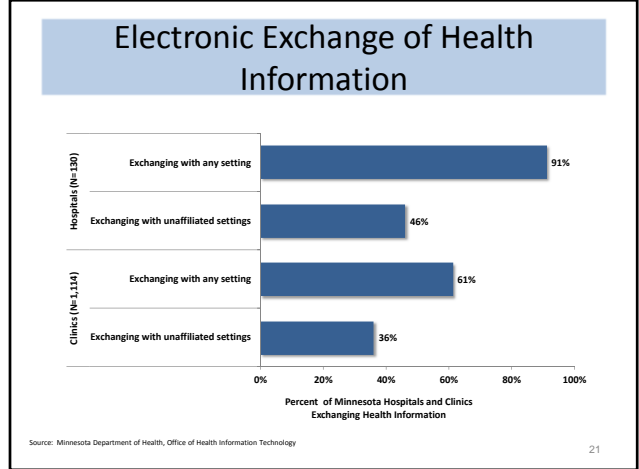
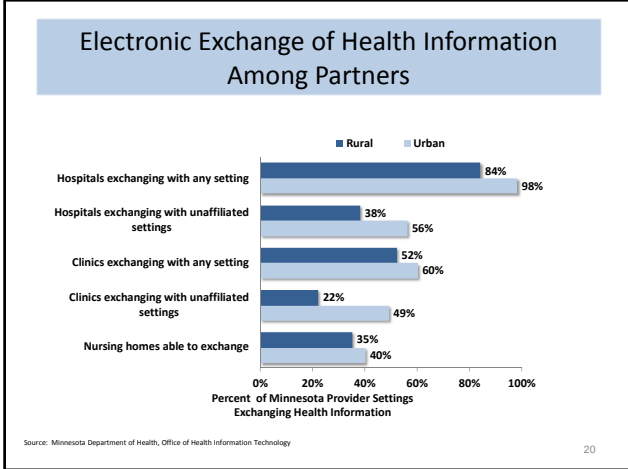
### Remarkable Progress



\*Excludes pharmacies with the pharmacy class of medical device manufacturer  
Source: Minnesota Department of Health, Office of Health Information Technology, 2004-2014 ; Office of the National Coordinator, Surescripts

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## Nursing Involvement

## Active Involvement

- Advisory Committee Representation
  - Nurses, Academics and Research, Local Public Health Departments, Small and Critical Access Hospitals, Clinical Guideline Development
- Chair/ participate in working groups, task forces
  - Effective Use of EHRs, Standards and Interoperability, Consumer Engagement, Workforce
- Presentations at e-Health Summit
- Nursing informatics student practicum
  - Roadmap for Consumer Engagement in HIT
  - Workforce educational resources
  - Survey of nursing terminology use in Minnesota

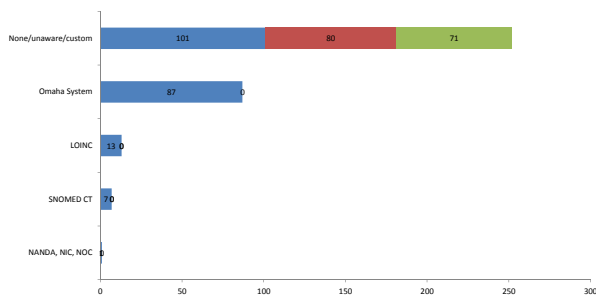
## Survey of Nursing Terminology Use in Minnesota

**N7109: Population Health Informatics Practicum  
Fall 2013, Karen A. Monsen PhD, RN, FAAN**

A project of the Minnesota Department of Health,  
the University of Minnesota School of Nursing, and  
U-Spatial



## Standardized Nursing Terminologies Identified in Minnesota EHRs



## Selected Recommendations Nursing Terminology in Minnesota

- All settings should **create a plan** for implementing an American Nursing Association-recognized Nursing Terminology within their EHR
- Each **setting type** should achieve consensus on a standard terminology that best suits their needs and select that terminology for their EHR
- **Develop education and guidance** for selecting the nursing terminology standard that suits the needs for a specific setting

### Selected Recommendations Nursing Terminology in Minnesota

*Recommendations ( cont.):*

- When exchanging a C-CDA with another setting for problems and care plans, **SNOMED-CT and LOINC should be used** for exchange
- The **Omaha System for exchange between public health or community-based settings** for reporting of results should be used where appropriate
  - Rationale for OS – it is used by local public health

### Looking Forward

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### Continuing and Emerging Issues

- 2015 interoperable mandate
- Privacy and security
- Workforce training
- MN Accountable Health Model
- Patient/Consumer Engagement
- Learning Health System

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### Adoption in Minnesota: Looking forward

- Adoption across the continuum of care
- Introduction of new technology will present new adoption issues
- Expectation of consumers in accepting and utilizing health care technology
- Integration of social determinants of health

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### Utilization: Looking forward

- Maximize the potential of EHRs to support best practices
- Enhanced usability for providers
- Transforming the cost of technology to savings in care delivery
- Manage implementation cost and complexity
- Impact on organizational processes and practices
- Ongoing support and maintenance needs of implemented technology
- Integrating new technology
- Develop an informatics-savvy workforce to use information from the EHR

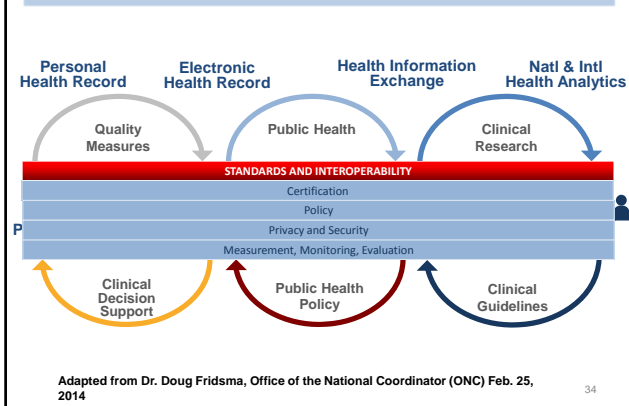
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### Exchange: Looking forward

- Electronic exchange among all health care settings
- Privacy and security policies and technology
- New standards and technical protocols to ensure interoperability
- Consumer expectations
- Complete and real-time access to health records for patients and providers

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### Example: Minnesota Learning Health System



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Thank You!

Questions?

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

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