
Health Information Exchange (HIE) in Minnesota

*Where have we been and where
are we going...*

Jennifer Fritz, MPH

Anne Schloegel, MPH

Minnesota Department of Health

Session Goals

- Learn about Minnesota's approach to health information exchange
- Understand Minnesota's plans for statewide shared services technical infrastructure and connectivity incentives

Session Speakers

- Jennifer Fritz
 - Minnesota Department of Health – Office of Health Information Technology
- Anne Schloegel
 - Minnesota Department of Health – Office of Rural Health and Primary Care

What is HIE?

- Secure electronic sending and receiving of clinical health information in ways that the information can be understood by both the sender and receiver of the information

Different Types of HIE

- Push – Secure sending of information between two known entities
- Pull – Secure accessing of information that involves a query and a response. Query is the request for information about a patient, and the response is the retrieval of clinical information on the patient or where the clinical data can be found

Why HIE matters to Minnesota Providers?

- Improved health outcomes – including patient safety
- Better communication with patients, families, care-takers, and third-parties
- Streamlined practice processes
- Adherence to state law
- Compliance with meaningful use

Audience Discussion

- Current capability to electronically exchange clinical information
- Desired capability to electronically exchange clinical information
 - Within affiliation or same EHR system
 - Beyond affiliation or same EHR system
 - With different types of health care providers in your community

Provider Examples

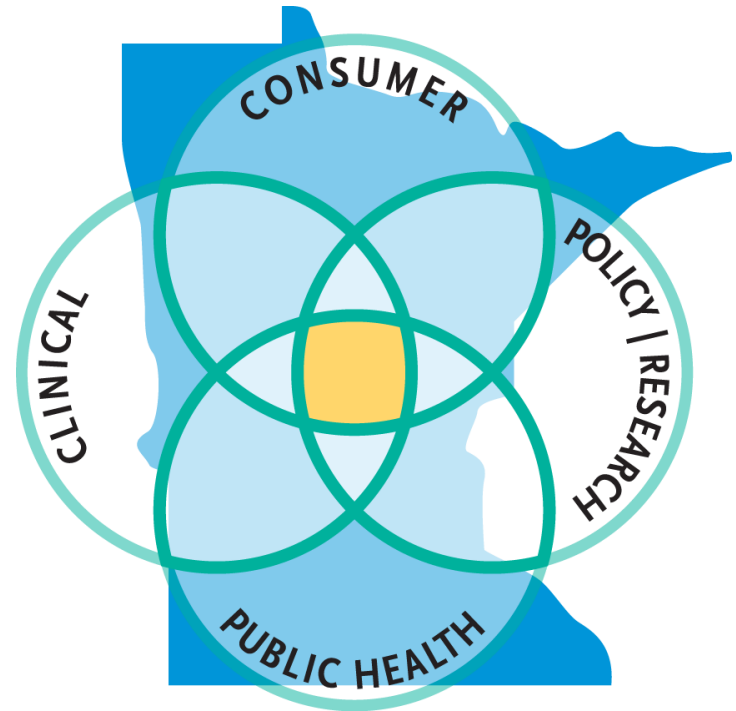
Community clinics
Hospitals
Physician clinics
Pharmacies
Dental clinics
Pharmacies

Chiropractic offices
Skilled nursing facilities
Home health providers
Local public health
Laboratories
Other

The 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.”

Context in Minnesota: State Goals that Advance e-Health

2011 e-Prescribing Mandate

All providers, group purchasers, prescribers, and dispensers must establish, maintain and use an **electronic prescription drug program** that complies with applicable standards effective January 1, 2011

[Minnesota Statute 62J.497]

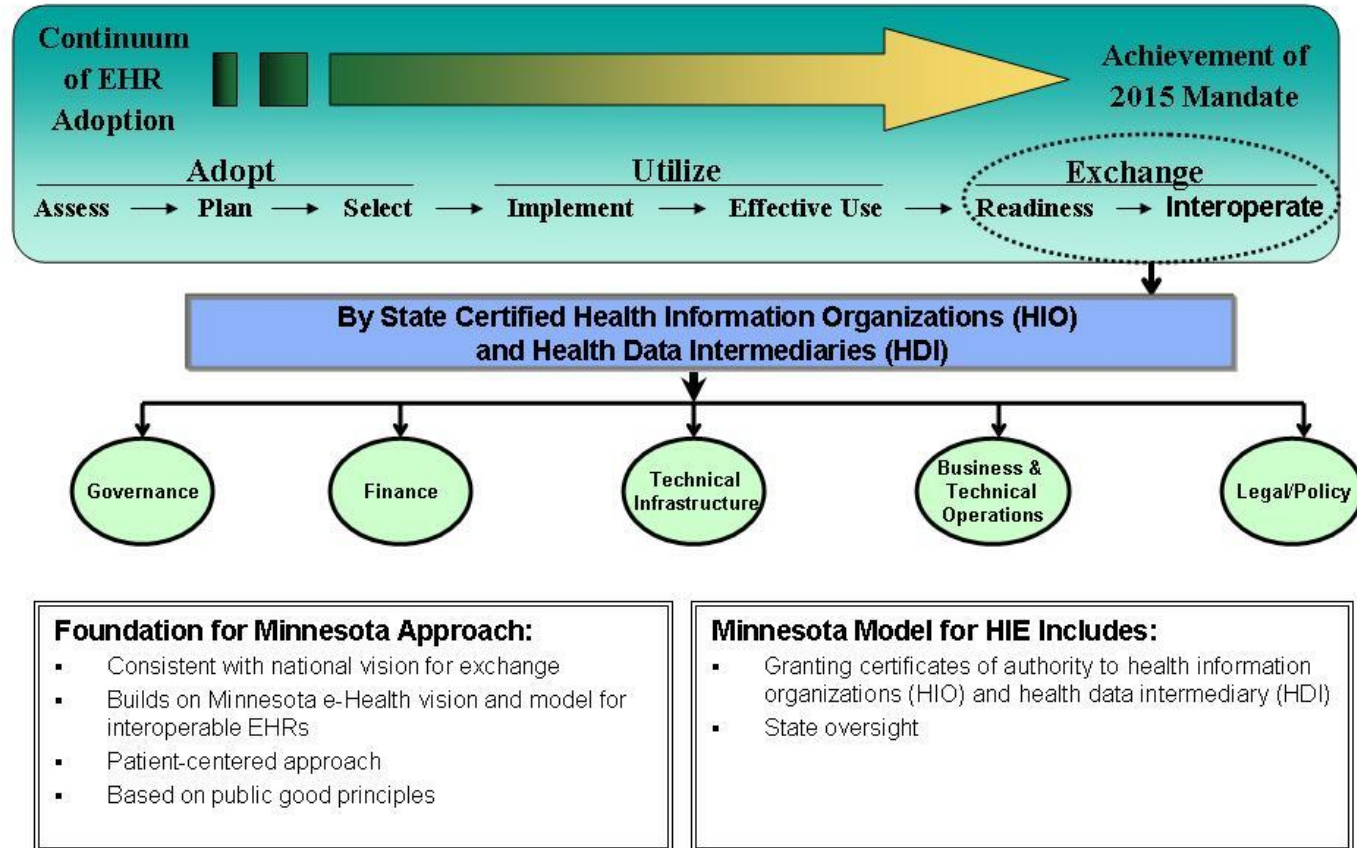
2015 Interoperable EHR Mandate:

All healthcare providers and hospitals have **interoperable EHRs by 2015**

- MDH to develop a **statewide plan** to meet the mandate
- Establish **uniform health data standards** by January **2009**
- All EHRs must be **certified** by CCHIT or its successor assuming a certified EHR product for the provider's particular setting is available

[Minnesota Statute 62J.495]

Summary of Proposed Approach for Health Information Exchange in Minnesota



Governance of HIE and MN Approach

Possible governance models:

- Government-led electronic health information exchange: direct government provision of the HIE infrastructure and oversight of its use
- Electronic HIE as a public utility with a strong state oversight: public sector serves an oversight role and regulates private-sector provision of electronic HIE
- Private sector-led electronic HIE with government collaboration: government collaborates and advises as a stakeholder in the private-sector provision of electronic HIE

Source: Report to the State Alliance for e-Health: Public Governance Models for a Sustainable Health Information Exchange Industry

State Certification and Oversight of Health Information Exchange (HIE)

- Establishes oversight by Commissioner of Health to protect the public interest on matters pertaining to health information exchange
- Requires State Certificate of Authority to operate
 - Health Information Organizations (HIO)
 - Health Data Intermediaries (HDI)
- Allows market-based approach for provision of HIE services
 - Allows for multiple HIE Service Providers (HIOs & HDIs) to be certified and operate in the state

Goals for State Certification and Oversight of HIE

- Establish an integrated network of HIE Service Providers
- Establish transparent & public participation process
- Protect health care providers
- Protect consumers

Types of HIE Service Providers

- **Health Information Organization (HIO)**

Health information organization means an organization that oversees, governs, and/or facilitates the exchange of health-related information among organizations according to nationally recognized standards.

- **Health Data Intermediary (HDI)**

Health data intermediaries are entities that provide the infrastructure necessary to connect computer systems or other electronic devices utilized by health care providers, laboratories, pharmacies, health plans, third-party administrators or pharmacy benefit managers in order to facilitate the secure transmission of health information, including:

- Pharmaceutical electronic data intermediaries, and
- Health Information Service Providers (HISP), as defined by the Nationwide Health Information Network (NwHIN) Direct Project

State-Certified HIE Service Providers

- **State-certified HIOs**

- Community Health Information Collaborative (CHIC)

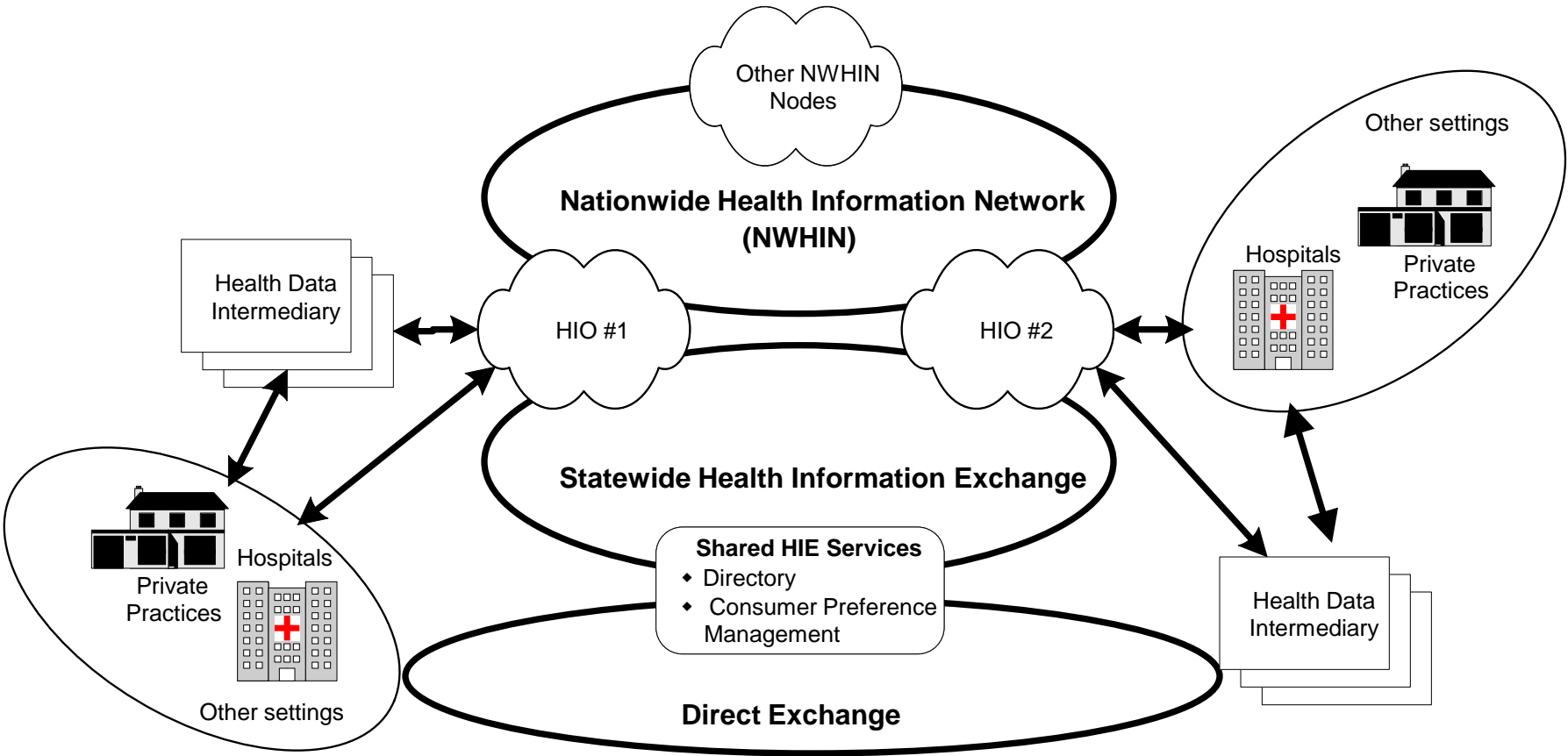
- **State-certified HDIs**

- ABILITY Network
- Emdeon
- Surescripts
- ApeniMED

For more information on State-Certified HIE Service Providers

<http://www.health.state.mn.us/divs/hpsc/ohit/certified.html>

Minnesota Approach to HIE & the Role of Shared Services



Statewide Activities to Support Health Information Exchange – 2012 & 2013

- Statewide Shared Services Collaborative to support interoperability between State-Certified HIE Service Providers
- Core HIE Services
 - Web-portal to push/pull – medication history, laboratory orders/results, and clinical summary information
 - Laboratory Services – includes laboratory reporting to public health
- Connectivity programs for HIE Service Providers
- HIE Connectivity Grant Program for healthcare providers

Assessing Providers Readiness and HIE Needs

Key Considerations

- **Organizational support and needs**
 - Vision, leadership
 - Workforce
- **Workflow issues**
 - Understand both clinical and non-clinical workflow inefficiencies and improvements through HIE
- **Privacy and security issues**
 - HIPAA privacy and security requirements (administrative safeguards, physical safeguards, and technical safeguards)
 - Minnesota privacy laws
- **Technical infrastructure**
 - EHR certification
 - EHR capability for sending, receiving, and querying information
 - EHR vendor support
 - Standards
- **Estimating costs and benefits**

Providers

Hospital

Clinic

Long Term
Care

Laboratory

Pharmacy

Department of
Health

Other

Health Information Exchange

Statewide Shared Services

- Provider and entity directory solutions
- Consumer preference management
- Statewide Record Locator Services

Protocols &
Specifications

State-Certified HIE Service Providers

Protocols &
Specifications

Minnesota Statewide Implementation Plan & Companion Guides

Minnesota Statewide Implementation Plan and Guide 1:

Addressing Common Barriers to the Adoption of EHRs

Released 2008

Guide 2: Standards Recommended to Achieve Interoperability in MN

Released 2008, Updated Sept. 2011

Guide 3: A Practical Guide to e-Prescribing

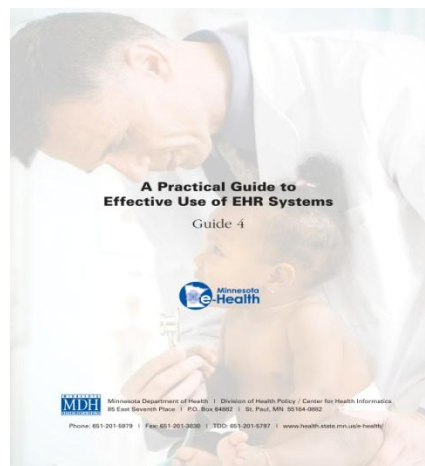
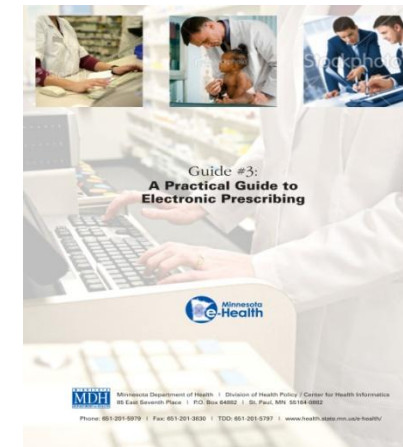
Released June 2009

Guide 4: A Practical Guide to Effective Use of EHR Systems

Released June 2009

Guide 5: A Practical Guide to Understanding HIE, Assessing Your Readiness and Selecting HIE Options in MN

Released June 2012



Call to Action – What You Can Do

- **Assess your internal readiness for HIE**
 - Identify your HIE partners and determine their readiness and plans for HIE
 - Identify resources, if needed, to help you identify the HIE option that works best for you
 - Minnesota’s HIE Guide may be a helpful resource as a starting point
- **Select an HIE option that fits your needs and utilizes national standards**
- **Continue to monitor national and state trends**
- **Watch for resources from MDH – 2012 HIE Connectivity Grant Program**

2011 HIE Connectivity Grant Program

- **\$451,000 to 34 organizations representing:**
 - 16 critical access hospitals, 1 small rural hospital
 - 37 rural physician clinics , 5 FQHCs
 - 6 rural pharmacies
- Funds awarded to establish connectivity /subscription costs to State-certified HIE Service Providers or for pharmacy upgrades/ transaction costs for electronic prescribing

Contact Information

Jennifer Fritz

MDH-Office of Health Information Technology

Jennifer.fritz@state.mn.us

651-201-3850

Anne Schloegel

MDH – Office of Rural Health and Primary Care

anne.schloegel@state.mn.us

651-201-3850

THANK YOU!