




Minnesota Health Information Exchange

**Minnesota e-Health Summit
June 25, 2009**

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MN Health Information Exchange (MN HIE)

- **What is MN HIE?**
State-wide secure network and record locator service designed to share clinical and administrative information among healthcare providers in Minnesota and bordering states
- **Purpose**
Improve the health of all Minnesotans through more informed decision-making by the provider and patient at the point of care
- **Goals**
 - Support interoperability across Minnesota
 - Enhance safety, quality and reduce healthcare costs
 - Establish an economically sustainable business
- **Patient Controlled**
 - Consent at each visit
 - Ability to opt-out of clinical information exchange

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MN HIE Governance Model

- MN HIE is a not-for-profit company with a public/private governance model including providers, health plans, and Minnesota state government
- **Founding members:**
 - Blue Cross Blue Shield of Minnesota
 - Fairview Health Services
 - HealthPartners
 - Medica
 - Minnesota Department of Human Services
 - UCare

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MN HIE is Well Aligned With ...

- Minnesota e-Health Initiative
- Minnesota regulatory mandates:
 - MN Administrative Simplification (2009)
 - MN e-prescribing (2011)
 - Interoperable EHRs (2015)
- Federal HIT standards and strategic direction
 - Certification Commission for Healthcare Information Technology (CCHIT)
 - Healthcare Information Technology Standards (HITSP)
 - Health Information Security & Privacy Collaborative (HISPC)
- HIT incentives and stimulus funds
 - Maximizing access to funds and offsetting capital expenses

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MN e-Health Initiative Roadmap for Interoperable EHRs
Minnesota Model for Adopting Interoperable Electronic Health Records

Continuum of EHR Adoption **Achieving the 2015 Mandate**

ADOPT **UTILIZE** **EXCHANGE**

Assess → Plan → Select → Implement → Effective Use → Readiness → Interoperate

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MN HIE approach to support State plan
Minnesota Model for Adopting Interoperable Electronic Health Records

Continuum of EHR Adoption **Achieving the 2015 Mandate**

ADOPT **UTILIZE** **EXCHANGE**

Assess → Plan → Select → Implement → Effective Use → Readiness → Interoperate

Continuum of MN HIE Adoption **Achieving the 2015 Mandate**

ACCESS DATA **INTEGRATE WORKFLOW** **INTEGRATE RECORD**

Web Aggregated View → EHR Aggregated View → Interoperable Transactions

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MN HIE Strategy

Establish a secure network that supports patient confidentiality

- Patient consent required for access / disclosures
- Patient medical information is protected
- Patient has the choice to participate (opt-out)

Adopt standards and interoperability requirements established by MN e-Health Initiative

Recognize that each provider is at different point on the continuum

- One approach does not work for all

Target health care organizations throughout the state (metro and outstate)

Deliver solutions that enable providers to connect with MN HIE at any point along the continuum

- Meet providers where they are today
- Transition providers when they are ready
- Create opportunities to experience the benefits of an HIE sooner than later
- Position providers to qualify for HITECH incentives

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MN HIE Connection Scenarios

Web Aggregated Viewing

- Stand-alone web browser approach
- Requires only Internet Explorer and high speed access
- EHR system not required

EHR Aggregated Viewing

- Ability to leverage existing EHR solution
- Patient data available through EHR system
- Federated Single Sign On (SSO)
 - Eliminates need to log on to separate system with separate ID and password
 - Leverages existing user authentication process

Interoperable Transactions

- Patient specific information exchanged between separate systems using industry standards

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MN HIE Approach

MN HIE Services

- Medication History
- Eligibility
- Lab orders and results
- ePrescribing
- Radiology reports
- Immunization Registry
- Continuity of Care Document (CCD) exchange
- Exchange with external PHR
- Other
 - Communicable disease reporting
 - Admission/discharge/transfers
 - MN Administrative Simplification

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MN HIE Architecture & Security

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MN HIE Growth

- PreferredOne to join MN HIE later this summer
- With PreferredOne addition, will have > 4 million patients included in MN HIE's Secure Patient Directory (SPD)
- Expanding MN HIE services
 - Current
 - Medication History – launched 11/3/2008
 - Fall 2009
 - Patient eligibility / benefits information
 - Lab reports
 - Immunization registry
 - Continuity of Care Document (CCD) exchange
 - PHR data exchange
 - Future
 - ePrescribing
 - Radiology reports
 - Administrative functions

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MN HIE Benefits

- Improves efficiency
 - Both clinical and administrative efficiency
 - Potential cost savings
- Creates better coordination of care
 - Quicker access to a broad set of information
 - Avoid medical errors and increase patient safety
- Strengthens current & future HIT investments
 - Interface with existing technology
 - Adapts to expanding technology
 - Enables information sharing and interoperability
 - Helps secure federal/state incentive dollars

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Questions?

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