



Minnesota e-Health Initiative Resource Guide

*Information resources to support Minnesota's 2015 Interoperable Electronic
Health Records mandate and the Statewide Implementation Plan.*

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Introduction

The Minnesota e-Health Initiative Resource Guide includes information resources to support Minnesota's 2015 Interoperable Electronic Health Records (EHRs) mandate and the Statewide Implementation Plan. The following two sections of resources in this guide are meant to support topics that are addressed in the Statewide Implementation Plan. This guide includes the following types of resources: fact sheets; sample slides with speaker's notes; other related documents and web-based resources. The Statewide Implementation Plan and other e-Health resources can be found at: www.health.state.mn.us/e-health/

Purpose

The intended purpose of these resources is:

- To inform and engage health care providers and organizations about the value and benefits of e-health, especially the adoption and effective use of interoperable EHRs.
- To support adopting and effectively using EHRs, as laid out in the Minnesota Statewide Implementation Plan.
- To make credible, accurate and consistent information readily available to e-Health stakeholders in formats that are easily used and adapted, and that fit within their existing communications strategies.

Intended Audiences

- Health care providers, professionals and health care delivery settings.
- Professional and trade associations committed to supporting their members in learning more about e-health and how it impacts health and health care systems.
- Individuals seeking to learn more about e-health, including personal health records and how it can help transform practice in the settings in which they work.

Section I: Minnesota e-Health Initiative Resources

The Minnesota e-Health resources listed below are meant to support topics that are addressed in the Statewide Implementation Plan.

Statewide Implementation Plan Related Resources

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

Minnesota Statewide Implementation Plan

The Statewide Implementation Plan, 2008 Edition for how the health and health care sector can achieve the 2015 interoperable EHR mandate.

- **Guide 1: Addressing Common Barriers to EHR Adoption – A Practical Guide**

A guide addressing barriers to EHR adoption in Minnesota included in the plan.



Minnesota

e-Health

www.health.state.mn.us/e-health/ or by e-mail: MN.eHealth@state.mn.us

Statewide Implementation Plan Related Resources

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

▪ **Guide 2: Standards Recommended for Use in Minnesota**

A guide on standards recommended for use in Minnesota included in the plan.

Executive Summary

The executive summary of the Statewide Implementation Plan.

Slides & Speaker's Notes

A slideshow on the Statewide Implementation Plan.

Minnesota e-Health Glossary of Selected Terms & Acronyms

The complete Minnesota e-Health Glossary of Terms and Acronyms.

Consumers Related Resources

Available at: <http://www.health.state.mn.us/e-health/consumers.html>

An Introduction to e-Health: Consumer Resources

The Minnesota e-Health Initiative provides information about e-Health, Personal Health Records (PHRs), Electronic Health Records (EHRs) and secure electronic health information exchange between health care providers (see MN e-Health Website).

Fact Sheet: Personal Health Records (PHRs)

A factsheet on PHR goals, principles and consumer benefits.

Funding Related Resources

Available at: <http://www.health.state.mn.us/e-health/funding.html>

Overview of Minnesota e-Health Funding Resources

The Minnesota e-Health Initiative provides information on Minnesota specific funding and nationwide public and private health information technology funding resources and opportunities (see MN e-Health Website).

Fact Sheet: Minnesota e-Health Grants 2006-2007 Lessons Learned

A factsheet on the lessons learned from the 2006-2007 Minnesota e-Health Grants.

Program Guidance: Minnesota e-Health Grants Program

A factsheet on the Minnesota e-Health Grants Program.

Program Guidance: Minnesota Electronic Health Record Loan Program

A factsheet on the Electronic Health Record Loans Program.

2008-2009 Minnesota Funding Resources for Electronic Health Records and Other Health Information Technology

Information on Minnesota HIT specific funding opportunities.

Slides & Speaker's Notes: Minnesota e-Health Grants & EHR Loans

A slideshow on the Minnesota e-Health Grants & EHR Loans Program.

Population Health Related Resources

Available at: <http://www.health.state.mn.us/e-health/phphin/index.html>

Overview of Minnesota e-Health Population Health & Public Health

The Minnesota e-Health Initiative provides information on both population health and public



Population Health Related Resources

Available at: <http://www.health.state.mn.us/e-health/phphin/index.html>

health information technology, as well as background information on local and state public health information systems in Minnesota (see MN e-Health Website).

Fact Sheet: Population Health in Minnesota

A factsheet on Population Health activities in Minnesota.

Slides & Speaker's Notes: Population Health in Minnesota

A slideshow on the Population Health activities in Minnesota.

Definitions, Conceptual Model and Principles for Population Health in Minnesota

A framework that offers definitions of population health and public health and provides information on how health information technology interfaces with the domains of population health.

Privacy, Confidentiality & Security Related Resources

Available at: <http://www.health.state.mn.us/e-health/privacy/index.html>

Overview of Minnesota e-Health Privacy, Confidentiality & Security

The Minnesota e-Health Initiative provides information on privacy, confidentiality and security barriers to, and solutions for, the electronic exchange of health information in Minnesota (see MN e-Health Website).

Minnesota Standard Consent Form to Release Health Information

A standardized patient consent form to release health information.

Fact Sheet : Minnesota Standard Consent Form to Release of Health Information

A factsheet on general questions regarding the standardized patient consent form to release health information.

Slides & Speaker's Notes: Minnesota Standard Consent Form to Release of Health Information

A slideshow on the Minnesota Standard Consent Form to Release of Health Information.

Standards Related Resources

Available at: <http://www.health.state.mn.us/e-health/standards/index.html>

Overview of Minnesota e-Health Standards

The Minnesota e-Health Initiative has an extensive section on health data standards on its website, including primers on the needs for and types of standards, currently established standards, and other resources (see MN e-Health Website).

Guide 2 from the Plan: Standards Recommended for Use in Minnesota

A guide on standards recommended for use in Minnesota from the plan.



Implementation Resources for Minnesota Standards & EHR Certification

A list of implementation resources for Minnesota standards and EHR Certification.

Public Health Data Standards: Improving How Public Health Collects, Exchanges and Uses Data

A “Data Standards 101” that highlights why standards are important and how to move towards great use of standards in your information systems.

Workforce Development Related Resources

Available at: <http://www.health.state.mn.us/e-health/cec/index.html>

Overview of Minnesota e-Health Informatics Education & Training Resources

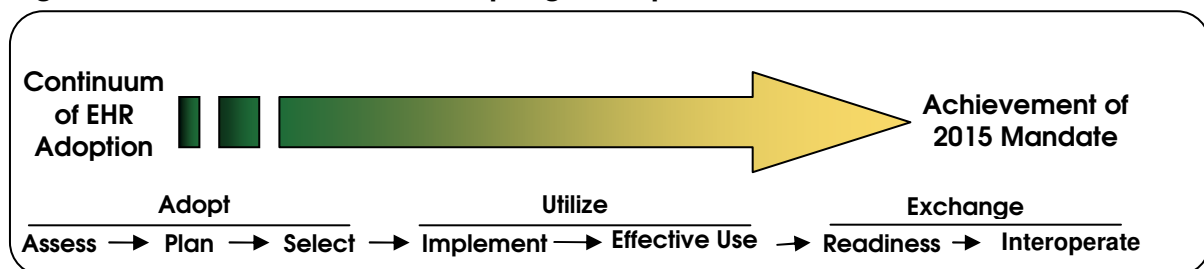
Information about health informatics academic programs, in-person/online training and courses, seminars and conferences in Minnesota.

Section II. National Web Resources related to the Minnesota Model for Adopting Interoperable Electronic Health Records

The resources listed below are organized by the Minnesota Model for Adopting Interoperable Electronic Health Records Continuum (See Figure 1). This model is used in the Minnesota Statewide Implementation Plan to identify the seven major steps in adopting, implementing and effectively using an interoperable EHR. The seven steps can, in turn, be grouped into three major categories:

- **Adopt**, which includes the sequential steps of Assess, Plan and Select.
- **Utilize**, which involves implementing an EHR product and learning how to use it effectively.
- **Exchange**, including readiness to exchange electronically with other partners, and implementing regular, ongoing exchange between interoperable systems.

Figure 1. Minnesota Model for Adopting Interoperable Electronic Health Records



Adoption Related Resources

DOQ-IT Quality Resource Kit: Stratis Health

The DOQ-IT Toolkit contains dozens of practical worksheets and other tools to assist in EHR assessment, planning, selection, implementation, effective use and maintenance at



www.stratishealth.org/ under Tools and Resources.

Certification Commission for Healthcare Information Technology (CCHIT)

- The CCHIT website provides a list of nationally certified EHR products: www.cchit.org. The EHR products are certified based on a demonstrated ability to meet criteria for functionality, interoperability and security.
- *2007 Physician's Guide to Certification for Ambulatory Electronic Health Records*. A guide to help physicians and practice managers understand the benefits when EHR products have been certified by CCHIT.
www.cchit.org/files/CCHITPhysiciansGuide2007.pdf
- Stories on the impact of EHR use told in human and business terms.
www.cchit.org/about/casestudies/index.asp

Health Information Management System Society (HIMSS)

The HIMSS website provides numerous resources on topics related to EHR, integration, interoperability and other issues. Many resources require a HIMSS membership: www.himss.org

American Academy of Family Physicians' (AAFP)

- Information on a variety of practice management issues, including HIT:
www.aafp.org/online/en/home/practicemgt.html.
- Information on technical expertise, advocacy, research, and member services associated with medical office automation and computerization: www.centerforhit.org/.

American Health Information Management Association (AHIMA)

The AHIMA website includes an extensive section on "e-HIM" that includes practice standards for transitioning from paper to electronic medical record: www.ahima.org/e%2Dhim/ and other HIT management resources: <http://www.ahima.org/>

Overview of Minnesota e-Health Funding Resources

- The Minnesota e-Health Initiative provides information on Minnesota specific funding and nationwide public and private health information technology funding resources and opportunities: <http://www.health.state.mn.us/e-health/funding.html>

American Health Information Community (AHIC)

AHIC is a federal advisory body that makes recommendations to the Secretary of the U.S. Department of Health and Human Services on how to accelerate the development and adoption of health information technology: www.hhs.gov/healthit/community/background/

American Academy of Family Physicians' (AAFP)

- Information on a variety of practice management issues, including HIT:
www.aafp.org/online/en/home/practicemgt.html.
- Information on technical expertise, advocacy, research, and member services associated with medical office automation and computerization: www.centerforhit.org/.

U.S. Department of Health and Human Services (HHS): Health Information Technology

The HHS website provides information on Health Information Technology Health (Health IT) related initiatives such as: American Health Information Community (AHIC); Office of the National Coordinator (ONC); IT Certification; Data & Technical Standards; Nationwide Health Information Network (NHIN); Use Cases; and Privacy & Security: www.hhs.gov/healthit/

Utilization Related Resources

Certification Commission for Healthcare Information Technology (CCHIT)

The CCHIT website provides a list of nationally certified EHR products: www.cchit.org. The EHR products are certified based on a demonstrated ability to meet criteria for functionality,



interoperability and security.

Health Information Management System Society (HIMSS)

The HIMSS website provides numerous resources on topics related to EHR, integration, interoperability and other issues. Many resources require a HIMSS membership:
www.himss.org

Minnesota Community Measurement

Minnesota Community Measurement is Minnesota's source for information on health care quality: www.mnhealthcare.org/~main.cfm

Agency for National Research & Quality (AHRQ)

The AHRQ Resource Center for HIT provides information on activities and projects around the country, toolkits, knowledge library, FAQs and funding opportunities:
www.healthit.ahrq.gov

Public Health Informatics Institute

PHII was created to advance public health practitioners' ability to strategically manage and apply health information systems: www.phii.org/

Institute for Clinical Systems Improvement (ICSI)

As an independent, non-profit organization, ICSI facilitates collaboration on health care quality improvement by medical groups, hospitals and health plans that provide health care services to people who live and work in Minnesota and surrounding states: www.icsi.org/

Overview of Minnesota e-Health Population Health

The Minnesota e-Health Initiative provides information on both population health and public health information technology, as well as background information on local and state public health information systems: www.health.state.mn.us/e-health/phphin/index.html

Exchange Related Resources

Overview of Minnesota e-Health Standards

The Minnesota e-Health Initiative has an extensive section on health data standards on its website, including primers on the need for and types of standards, currently established standards, and other resources: www.health.state.mn.us/e-health/standards/index.html

Community Health Information Collaborative (CHIC)

The CHIC, headquarter in Duluth, Minnesota is dedicated to initiating projects that promote health information exchange across settings, to share costs, best practices, improve and standardize electronic communication among its growing members:
www.medinfosystems.org/

Certification Commission for Healthcare Information Technology (CCHIT)

The CCHIT website provides a list of nationally certified EHR products: www.cchit.org. The EHR products are certified based on a demonstrated ability to meet criteria for functionality, interoperability and security.

Health Information Management System Society (HIMSS)

The HIMSS website provides numerous resources on topics related to EHR, integration, interoperability and other issues. Many resources require a HIMSS membership:
www.himss.org



Directory of Minnesota e-Health Projects

The Minnesota e-Health Initiative provides a directory of e-Health related projects:

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

Overview of Minnesota e-Health Privacy, Confidentiality & Security

The Minnesota e-Health Initiative provides information on privacy, confidentiality and security barriers to, and solutions for, the electronic exchange of health information in Minnesota:

www.health.state.mn.us/e-health/privacy/index.html

eHealth Initiative (eHI)

eHI and the Foundation for eHI are independent, non-profit affiliated organizations whose missions are to drive improvement in the quality, safety, and efficiency of healthcare through information and information technology. For more information on the resources listed below: www.ehealthinitiative.org (many require no-cost sign-in account):

- *Connecting Communities* toolkit on health information exchange with modules, tools and templates on:
 - o Getting Organized
 - o Communications and Outreach
 - o Value Creation and Financing
 - o Practice Transformation
 - o Policies for Information Sharing
 - o Technology
 - o Public Policy and Advocacy
- The national eHealth Initiative's *Value and Sustainability Model* provides a practical guidance for communities in building viable business plans and achieving sustainability in health information exchange.
- *Connecting Communities* coalition membership; sign up for free e-newsletters and learn from other exchange coalitions.
- Summaries of Congressional and state policy actions.
- The eHealth Initiative *Blueprint: Building Consensus for Common Action* represents multi-stakeholder consensus on a shared vision and a set of principles, strategies and actions for improving health and healthcare through information and information technology (IT): www.ehealthinitiative.org/blueprint/

The *HIE Value and Sustainability Toolkit* is available from the national eHealth Initiative (eHI) is available at no-cost. The *Connecting Communities* toolkit and other support services are also available from eHI, both at www.ehealthinitiative.org/. (Note: Access to eHI's resources requires a no-cost sign-in account.)

American Health Information Management Association (AHIMA)

AHIMA's Foundation of Research and Education has released results from a national study on state-level HIE initiatives. It offers research findings, case studies, and workbook materials to assist existing and emerging state-level HIE initiatives. The report is the result of a six-month project conducted under contract to the Department of Health and Human Services, Office of the National Coordinator for Health Information Technology:

www.ahima.org/hie/



Nationwide Health Information Network (NHIN)

The NHIN is the critical portion of the health IT agenda intended to provide a secure, nationwide, interoperable health information infrastructure that will connect providers, consumers, and others involved in supporting health and health care:

www.hhs.gov/healthit/healthnetwork/

National Health Information Technology Standards Panel (HITSP)

The national HITSP is tasked with setting data standards that will facilitate health information exchange. All of the HITSP requirements, design and standards selection documents—as well as the ability to comment on them: www.hitsp.org/.

Health Information Security and Privacy Collaboration (HISPC)

The HISPC brings states and territories together to discuss the privacy and security challenges posed by health information exchange in their states: www.rti.org/hispc

State Alliance for e-Health

The State Alliance provides a nationwide forum through which stakeholders can work together to identify inter-and intrastate-based health information technology policies and best practices and explore solutions to programmatic and legal issues related to the exchange of health information: www.nga.org/center/ehealth/

Centers for Disease Control & Prevention: Public Health Information Network (PHIN)

The PHIN is CDC's vision for advancing fully capable and interoperable information systems in the many organizations that participate in public health. PHIN is a national initiative to implement a multi-organizational business and technical architecture for public health information systems: www.cdc.gov/phin/



For More Information

For more information, contact Sara Hollie by phone at (651)201-5979 or by e-mail at sara.hollie@state.mn.us. This list of resources, as well as other MN e-Health Initiative resources can be found on our website at:

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

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

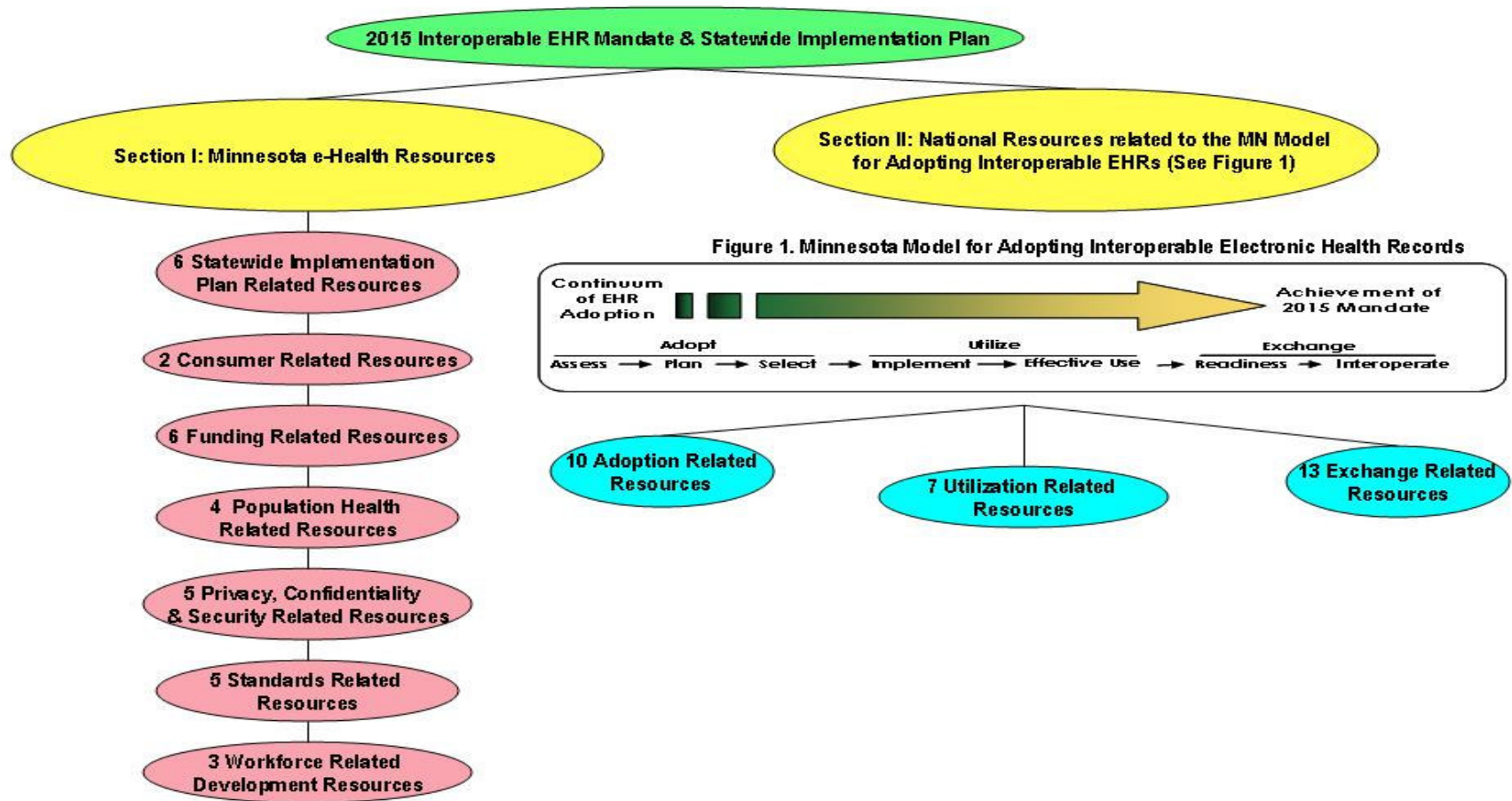
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The resources in this guide are presented for informational purposes only and do not imply endorsement by the Minnesota Department of Health.



Attachment A: At-A-Glance Map of e-Health Resources



Updated: June 2008