



## MN HIE Overview



# 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



## 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



## MN HIE is Aligned with ...

Minnesota eHealth 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)
- American Health Information Community (AHIC)

HIT incentives and stimulus funds

- Maximizing access to funds and offsetting capital expenses



## HIT Incentives & Stimulus Funds Available

### **Office of National Coordinator [\$2 billion]**

- Support regional health information exchange & standards
- Grants and Loans

### **Medicare Incentives (Medicaid option)**

**Physicians:** up to \$44,000, starts 2011, paid over 5 years, eligibility requires certified EHR use and active exchange including quality reporting

**Hospitals:** up to \$16 million, starts 2011, paid over 4 years, complex formula

**Penalties:** 2015, financial penalties for HIT noncompliance

### **Medicaid Incentives**

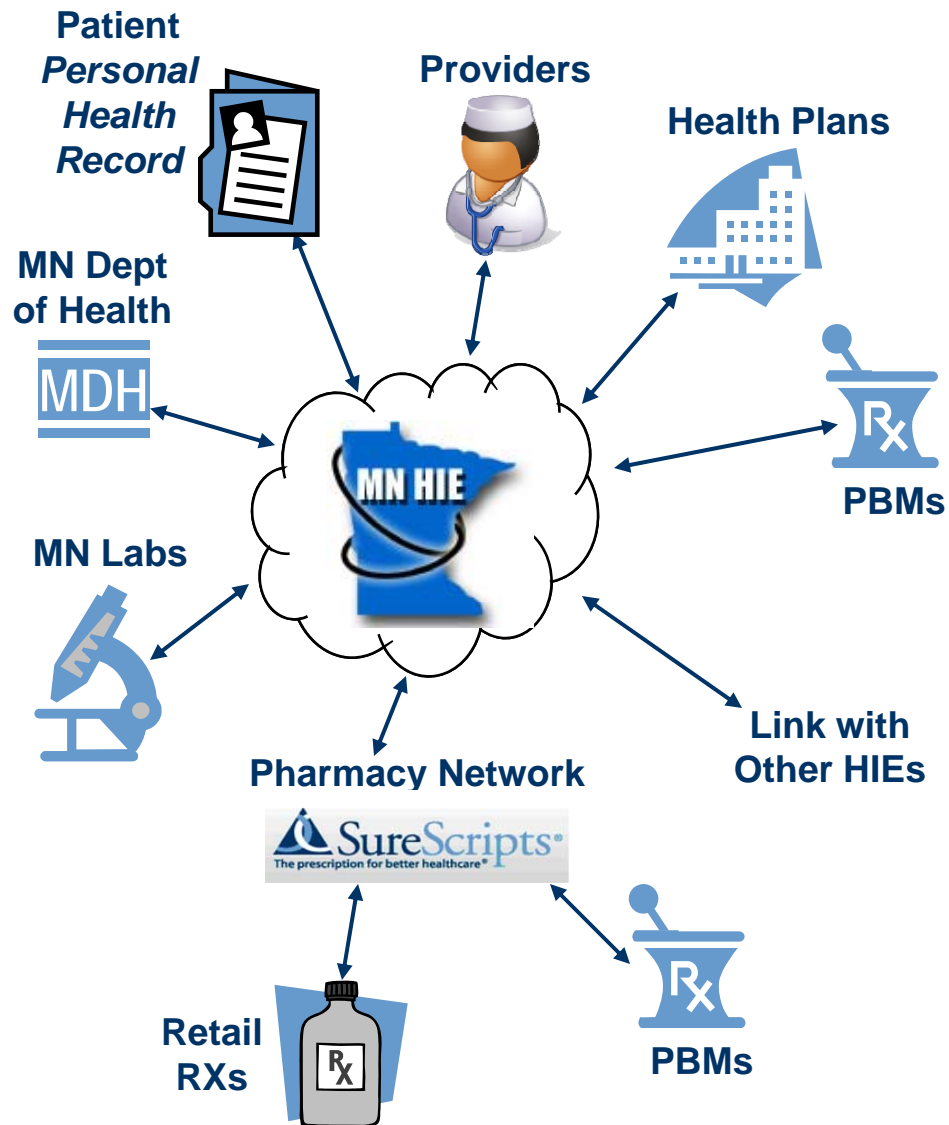
- Payment up to 85% of investment costs
- Non-hospital providers with at least 30% Medicaid volume must choose between Medicare and Medicaid
- Pediatricians with at least 20% share
- Children's hospitals or acute care hospitals with at least 10% share
- Qualified hospitals will receive prorated Medicare/Medicaid payment



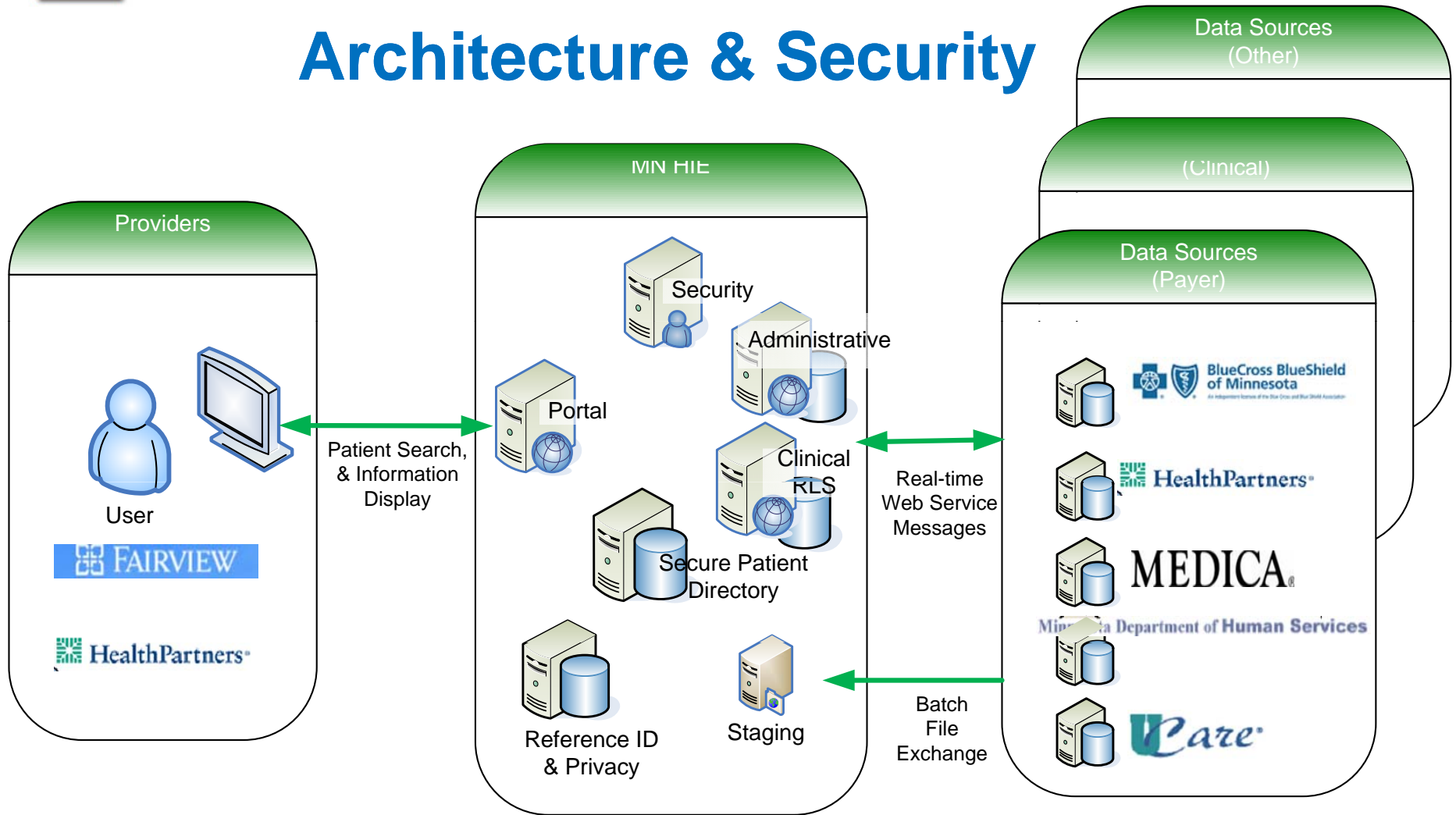
# MN HIE Approach

## MN HIE Services

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



# MN HIE Architecture & Security





## MN HIE Growth

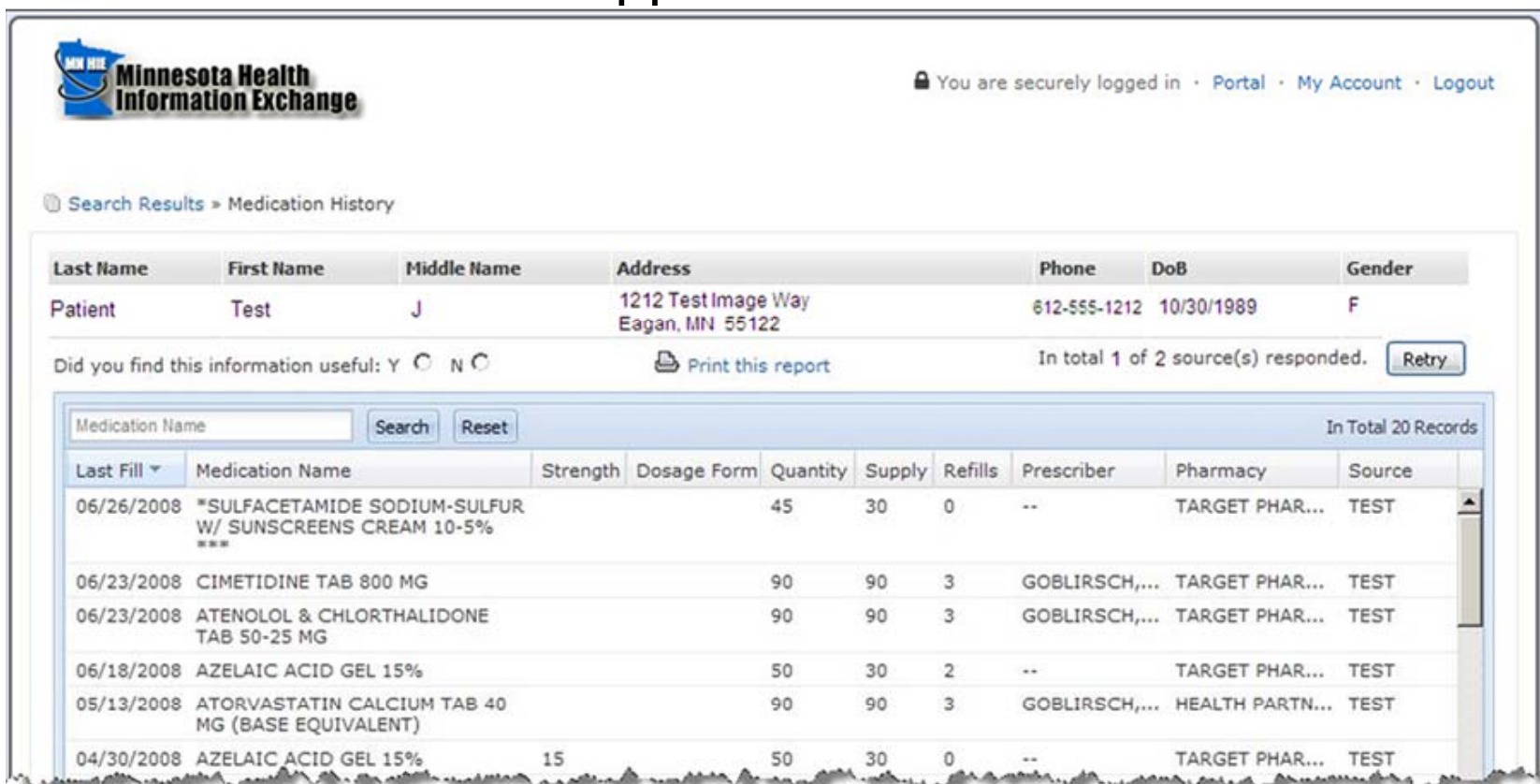
3.9 million Minnesota residents included in MN HIE's Secure Patient Directory (SPD)

### Expanding MN HIE services

- Medication History – launched 11/3/2008
- Patient eligibility/benefits information – by Fall 2009
- Lab reports – by Fall 2009
- Immunization registry – by Fall 2009
- Continuity of Care Document (CCD) exchange – by Fall 2009
- ePrescribing – future
- Radiology reports – future
- Administrative functions - future

# MN HIE Medication History Service

Stand alone Web application or EMR embedded



The screenshot shows the MN HIE Medication History Service interface. At the top left is the MN HIE logo. On the top right, it says "You are securely logged in" with links for "Portal", "My Account", and "Logout". Below the logo is a breadcrumb trail: "Search Results > Medication History".

The main content area displays patient information in a table:

Last Name	First Name	Middle Name	Address	Phone	DoB	Gender
Patient	Test	J	1212 Test Image Way Eagan, MN 55122	612-555-1212	10/30/1989	F

Below the patient information, there are options to "Print this report" and a status message: "In total 1 of 2 source(s) responded." with a "Retry" button. A feedback prompt asks "Did you find this information useful: Y  N ".

The medication history table is below, with a search bar and "Search" and "Reset" buttons. It indicates "In Total 20 Records".

Last Fill	Medication Name	Strength	Dosage Form	Quantity	Supply	Refills	Prescriber	Pharmacy	Source
06/26/2008	*SULFACETAMIDE SODIUM-SULFUR W/ SUNSCREENS CREAM 10-5% ***			45	30	0	--	TARGET PHAR...	TEST
06/23/2008	CIMETIDINE TAB 800 MG			90	90	3	GOBLIRSCH,...	TARGET PHAR...	TEST
06/23/2008	ATORVASTATIN & CHLORTHALIDONE TAB 50-25 MG			90	90	3	GOBLIRSCH,...	TARGET PHAR...	TEST
06/18/2008	AZELAIC ACID GEL 15%			50	30	2	--	TARGET PHAR...	TEST
05/13/2008	ATORVASTATIN CALCIUM TAB 40 MG (BASE EQUIVALENT)			90	90	3	GOBLIRSCH,...	HEALTH PARTN...	TEST
04/30/2008	AZELAIC ACID GEL 15%	15		50	30	0	--	TARGET PHAR...	TEST



## 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



## Questions?

**Michael Ubl**

*MN HIE Executive Director*

[Michael.ubl@mnhie.org](mailto:Michael.ubl@mnhie.org)

**Dr. David Gregg**

*MN HIE Sales*

[dgregg.gcs@live.com](mailto:dgregg.gcs@live.com)

612-202-3401

[www.mnhie.org](http://www.mnhie.org)