

HEALTH INFORMATION EXCHANGE

AS A
NATIONAL INITIATIVE

Melinda Machones

Community Health Information Collaborative

September 5, 2012

AGENDA



- **What is HIE?**
- **What's Happening with HIE across the US and MN?**
- **How is HIE being used?**

WHAT IS HIE?



... a means to **securely** exchange patient information between **authorized** users and/or organizations.

WHAT IS HIE?



... a way to electronically move clinical information among **disparate** health care information systems while **maintaining the meaning** of the information

WHAT IS HIE?



Types of HIE:

- **Direct Secure Messaging**
- **Connect Queries**

WHAT IS HIE?



Types of HIE:

➤ Direct Secure Messaging

Push technology that allows physicians, hospitals, labs, pharmacies, and other entities to exchange results, reports, and other clinical data over a **secure network**

WHAT IS HIE?



Types of HIE:

➤ Connect Queries

Used by an organization for **connecting their edge system(s)** into health information exchanges to engage in the **secure** exchange of interoperable health information

HIE NATIONALLY



- **ARRA**
- **HITECH**
- **NwHIN**
- **DURSA**

HIE NATIONALLY



Challenges:

- Sustainability
- Opt in vs Opt out?
- Patient Identity Mgmt
- Security

HIE IN MINNESOTA



HITECH Funding:

- Statewide Shared Services
- Statewide Core HIE Services
- UP-HI Workforce Development
- SHARP
- Beacon Community

HIE IN MINNESOTA



MN Dept. of Health:

➤ Mandates:

➤ ePrescribing (2011)

➤ EHR Adoption and Interop (2015)

➤ eHealth Advisory Committee

➤ Certified Service Providers

➤ Health Info Organizations (HIO)

➤ Health Data Intermediaries (HDI)

MINNESOTA'S CERTIFIED HIO



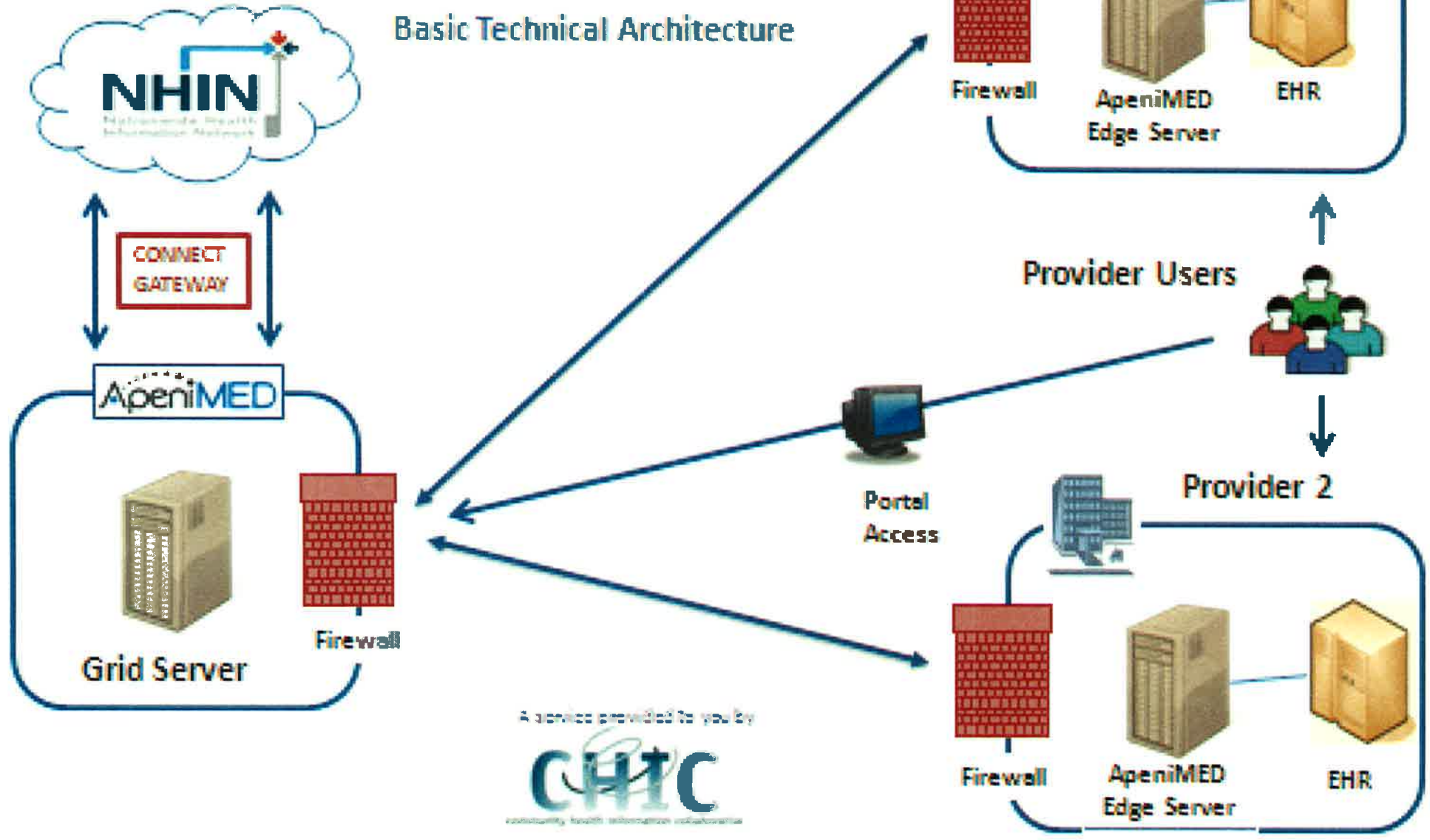
HIE-Bridge™:

- **Connect Querying**
 - Record Locator
 - Patient Query
 - Audit
 - Data Exchange and Support Agreement

HIE-Bridge™

Health Information Exchange

Basic Technical Architecture



A service provided to you by



HISTORY OF HIE-BRIDGE™

2006

2007

2008

2009

2010

2011

2012

2013...

Secure eMail

RHIO Portal

HIMSS/GSA Single Sign-on

RLS Development

NHIN Trial Implementation Demos



RLS Implementation

HIO Certification

Shared Services

SSA Disability
& VA VLER

HIE-BridgeDirect™

MINNESOTA'S CERTIFIED HIO



HIE-BridgeDirect™:

➤ ***Direct Secure Messaging***

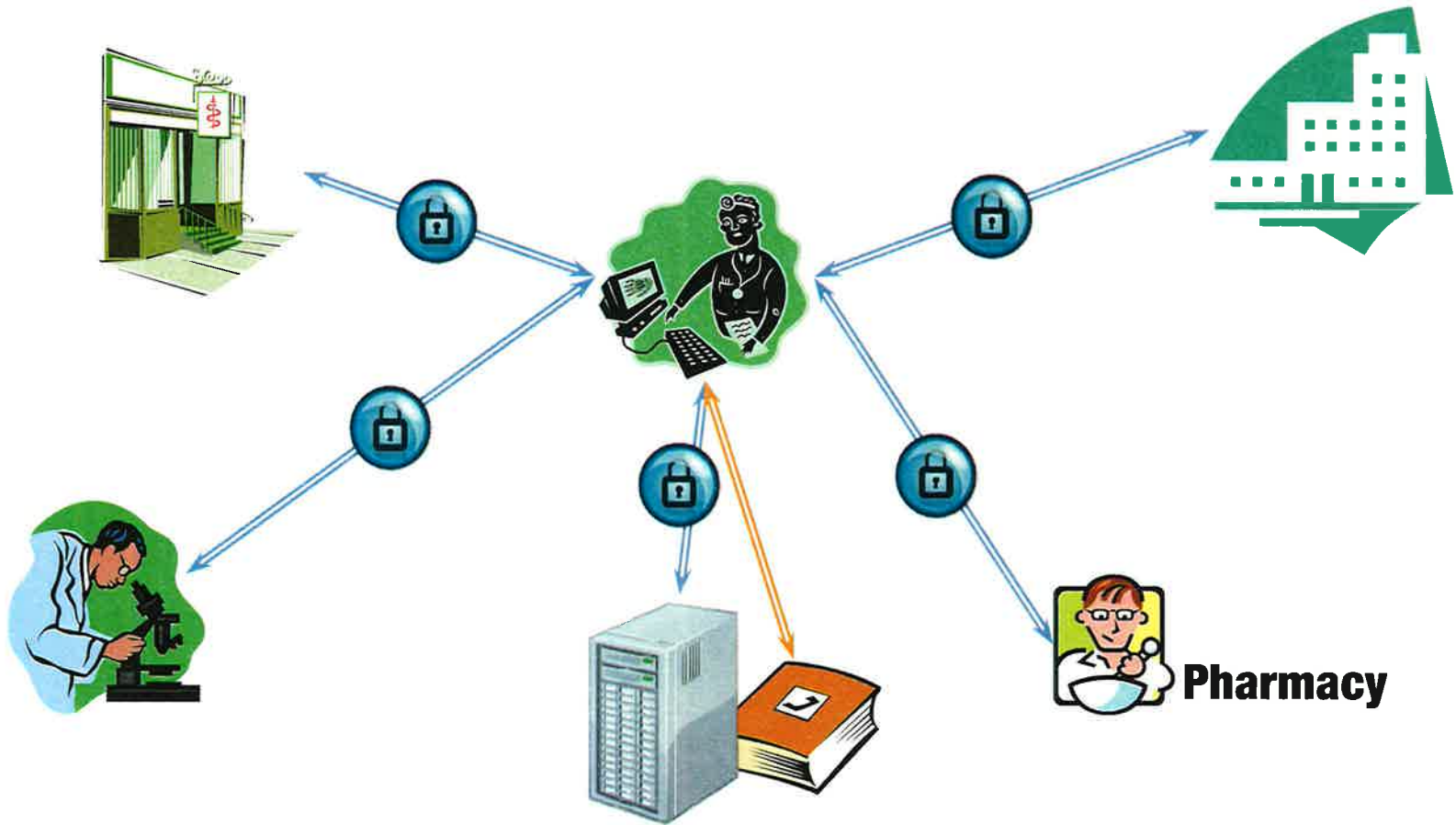
➤ Provider Directory

➤ Push by Humans

➤ Push by Systems

HIE-Bridge *Direct*TM

Health Information Exchange



USING HIE



Direct Messaging

- Referrals
- Treatment Plans
- Emails to Patients
- Questions

USING HIE



Connect Queries

- Emergency Locator
- Find Clinical Information
- Most Recent Visits

USING HIE



Advanced Example

- ED Notifications
 - Query to Find Where
 - Direct to send notifications to treating physician

QUESTIONS?

Thank you!

Melinda Machones, MBA

VP – HIE Services

mmachones@medinfosystems.org

Community Health Information Collaborative

218.625.5515