



# Harmonization of Privacy and Security for Health Information Exchange:

## A State-level Roadmap Approach

CMS Second Annual Multi-State Health IT Collaborative for E-Health Conference  
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# Harmonizing Privacy and Security: *one **HOT** topic!*





# Overview

## The Current District Scenario

- ▶ Health Delivery and HIE Background
- ▶ Medicaid Patient Data Hub Project Vision
- ▶ Health Information Exchange Model
- ▶ Patient Data Hub Pilot Architecture
- ▶ Privacy and Security Concerns

## A Road Forward to Harmonization

- ▶ Don't Reinvent the Wheel
- ▶ Organize
- ▶ Assess
- ▶ Evaluate
- ▶ Promote Consensus



## Health Delivery and HIE Background

- ▶ One in three District residents participate in a DHCF Program (Medicaid or the Alliance)
- ▶ Healthcare costs are high, coordination is limited, duplicate and unnecessary procedures are significant
- ▶ District departments and agencies are not well integrated into the healthcare delivery system
- ▶ There are several separate efforts attempting HIE within the District
- ▶ Inter-jurisdictional use of health services among states in the greater Metro area is significant
- ▶ DC, like every state, is anticipating the award of the Statewide HIE Planning Cooperative agreement that will act as a catalyst for a higher level of planning and coordination

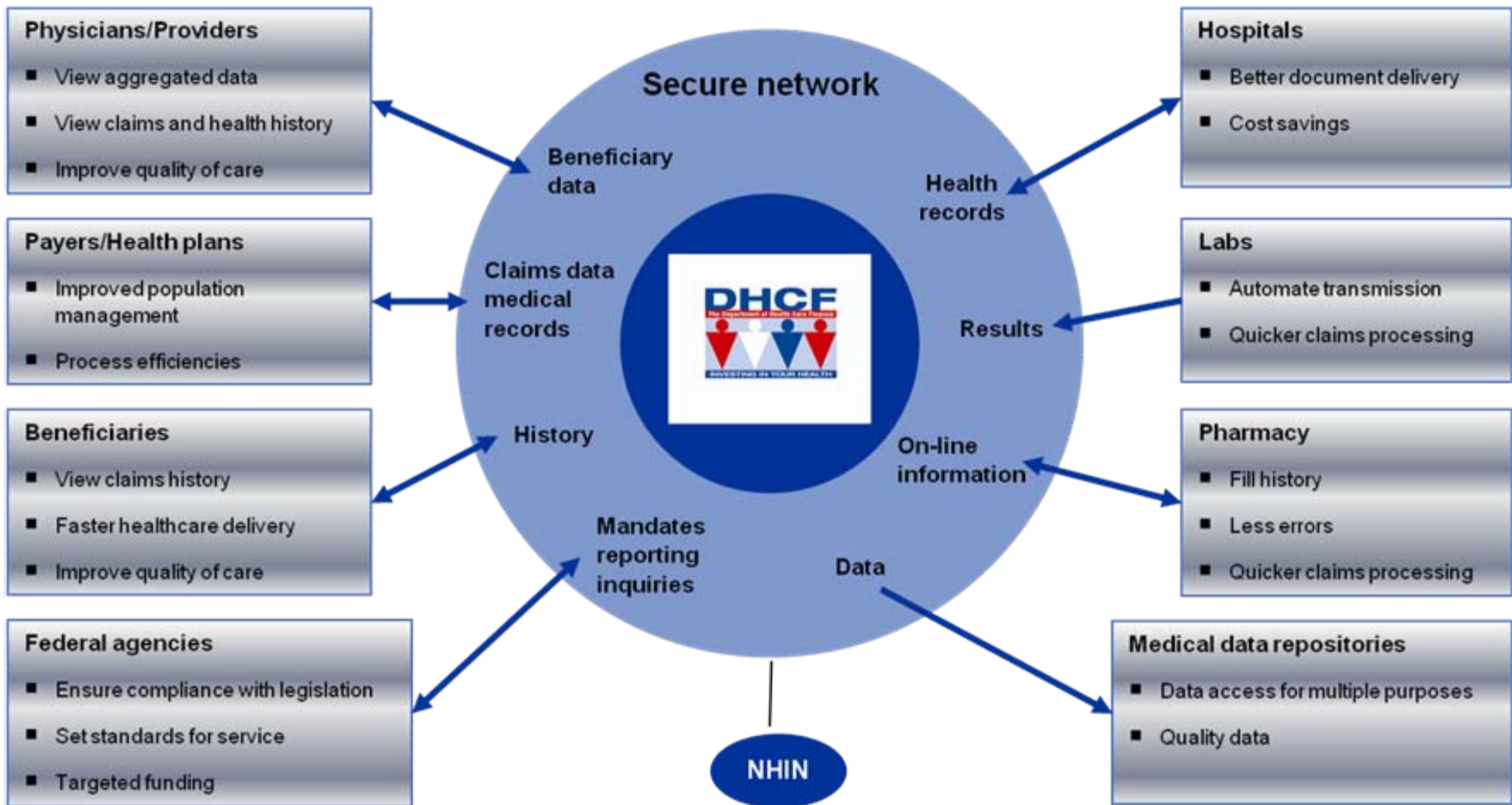


## Medicaid Patient Data Hub Project Vision

- ▶ Make Medical data and information available on-line whether the caregiver is in a clinic, a hospital, or a DC Government facility
- ▶ Enable community health centers to coordinate health services delivery with participating clinics and area hospitals
- ▶ Improve quality in medical decision making
- ▶ Reduce patient error rates and improve patient outcomes
- ▶ Improve ability to reduce waste, fraud, and abuse
- ▶ Improve EPSDT Reporting and program analysis
- ▶ Reduce unnecessary and inappropriate treatments and prescriptions
- ▶ Utilize standard interfaces for HIE with the appropriate privacy and security safeguards

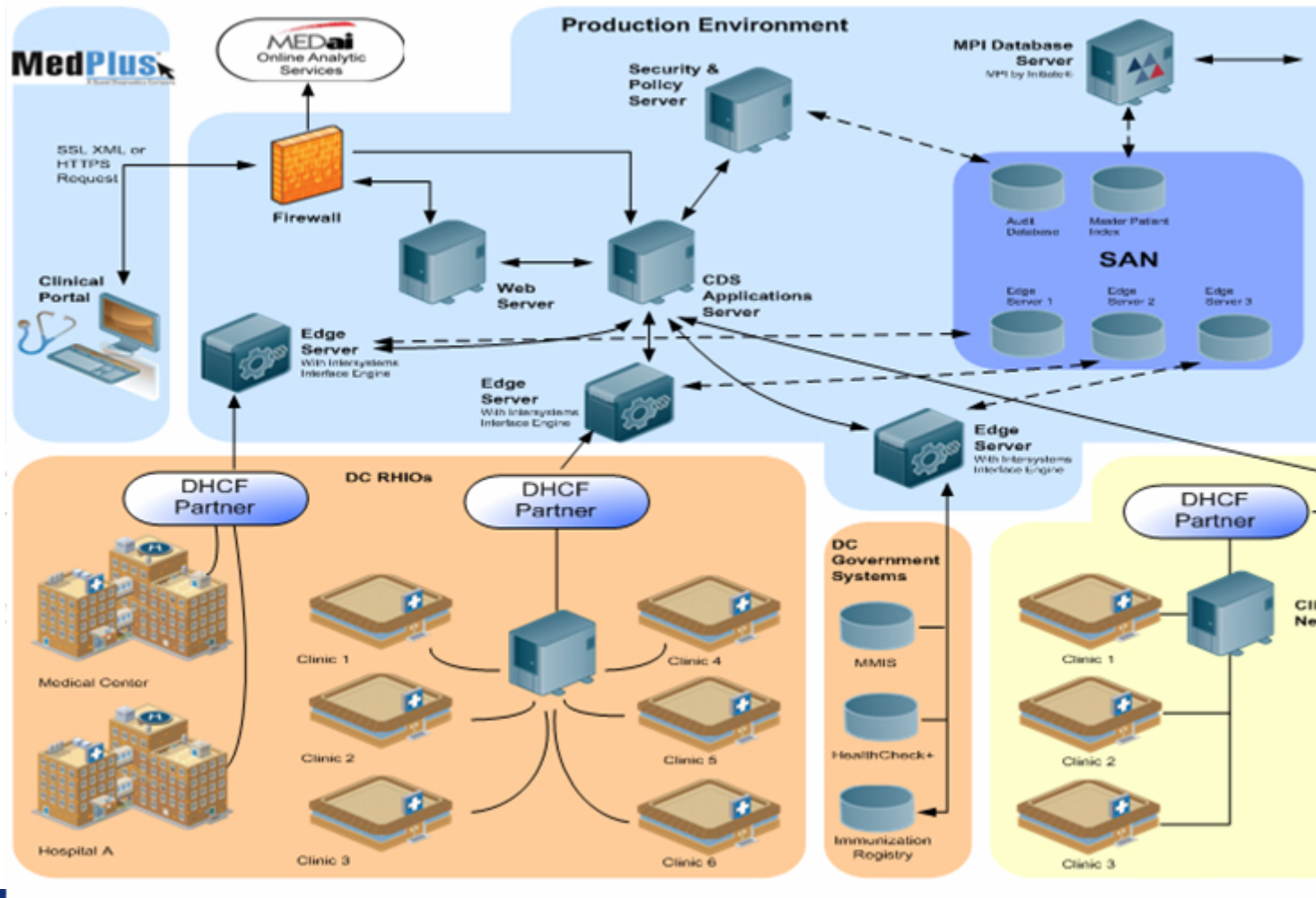


# Healthcare Information Exchange Model





# Proposed Patient Data Hub Pilot Architecture





# Privacy and Security Concerns

- ▶ Many of the current safeguards were developed for paper-based records
- ▶ Current safeguards are organization-specific and proprietary and actually work against even appropriate data sharing under HIE scenarios
- ▶ There is a cultural mind-set in some organizations that works against sharing in HIE scenarios: “HIPAA won’t let us share the data.”
- ▶ Often there is not a central place where all of the local laws, policies, rules, etc. on privacy and security safeguards can be reviewed, compared and evaluated.
- ▶ There may be competing or at least independent entities in a jurisdiction that are responsible for, or involved in setting, enforcing or adjudicating these safeguards.
- ▶ The standards dilemma: either none, or too many to choose from!



## Don't Reinvent the Wheel: use existing resources and tools

Two existing resources that are “Roadmap-oriented”:

### General HIE Roadmap Guide

2009 Report from the State Alliance for E-Health “Preparing to Implement HITECH: *A State Guide for Electronic Health Information Exchange*”

### Specific Privacy and Security Harmonization Guide

Health Information Security and Privacy Collaboration *Action and Implementation Manual, June 2009.*



## Organize: mobilize stakeholders early and often

- ▶ Pre-planning Organization: organizing early discussion groups
  
- ▶ Organizing the HIE Authority – formal governance models
  
- ▶ Organizing the Privacy and Security Drill-down:
  - Legal
  - Policy
  - Technical Standards
  - Collaboration/Communication



## Assess: who's doing what and what have we got

- ▶ Environmental Scan (Key requirement for HIE Planning)
  - current and planned HIEs
  - EHR adoption/penetration measures
  - consent model(s) in use
  - data security standards in place
  
- ▶ Legislative analysis
  - Use of Comparative Analysis Matrix (CAM)



## Evaluate: what are our options for moving forward

- ▶ HIE Governance Options
- ▶ HIE Architecture Options
- ▶ EHR Vendor Options
- ▶ Patient Consent Options
- ▶ Privacy & Security Safeguard Options
- ▶ HIE Sustainability Model Options
- ▶ Options/Recommendations for Legal/Statutory Changes



## **Promote Consensus: easier said than done . . .**

- ▶ Evaluations will result in “winners” and “losers”
- ▶ Changes in technology and technology choices will effect consensus
- ▶ Some HIE participants may be natural “opposites”
- ▶ Sometimes industry competition may work against HIE consensus



## Contact Information for Additional Questions and Answers

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