Overview of Trends at the National, State and Community Levels

Presentation to
Maryland Community Health Resource Commission
Baltimore, Maryland
July 10, 2006

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and
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www.ehealthinitiative.org
Today’s Overview

• eHealth Initiative (eHI)
• What’s Happening?
• HIE Activities at the State Level
• CHCs Involvement in HIE
• Questions and Discussion
eHI is the “Go-to” Organization For State and Regional HIT and Health Information Exchange Efforts

Advocacy

eHI & Foundation Mission

Improve the quality, safety, and efficiency of healthcare through information and information technology

Grants

Hands-on Help

Knowledge
We Believe Collaboration is the Key to Success: Our Membership

- Consumer and patient groups
- Employers, healthcare purchasers, and payers
- Health care information technology suppliers
- Hospitals and other providers
- Pharmaceutical and medical device manufacturers
- Pharmacies, laboratories and other ancillary providers
- Practicing clinicians and clinician groups
- Public health agencies
- Quality improvement organizations
- Research and academic institutions
- State, regional and community-based health information organizations
eHI Work Supporting States and Communities

• **eHI Connecting Communities Membership**: Over 280 state, regional and community-based collaboratives engaged in health information—many RHIOs

• eHI **directly supports HIT planning and policy initiatives in 15 states** – indirectly supports 21

• eHI **provides funding to communities** to support health information exchange: Connecting Communities Awards Program – nine funded so far, a handful being awarded in next month

• eHI launched **Connecting Communities Tool-kit** – a free guide to support state, regional and community leaders

• eHI supports **AHRQ’s National Resource Center for HIT** as a subcontractor to NORC
eHI’s Work Supporting States Current Penetration

- Alaska
- Arizona
- California
- Gulf Coast
  - Alabama
  - Florida
  - Louisiana
  - Mississippi
  - Texas
- Kansas
- Michigan
- Minnesota
- New Hampshire
- New York
- Ohio
- Wisconsin

eHI also supports DE, CO, IN, RI, TN, and UT through AHRQ’s National Resource Center State and Regional Demonstration Projects
Our Work Supporting State, Regional and Community-Based Initiatives: Sustainability

• This Year’s Connecting Communities Awards Program will Focus on Three Markets

• Assessing the following to inform development of sustainability principles and model
  – Market environment conducive to success
  – Cost of core and various functionalities
  – Value of various functionalities
  – Conditions under which stakeholders are willing to bear cost for value
What’s Happening?

• Significant movement at the national level:
  – Congress – possibly will see a bill this year
  – The Administration – AHIC, each Agency
  – The Private Sector – increasing momentum

• Many, many states are now launching public-private collaboratives to develop plans and roadmaps for improving health and healthcare through health information technology

• And over 280 state, regional and community-based collaboratives focused on health information exchange are getting started or well on their way
## Four Contracts Can Lay Foundation

<table>
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<tr>
<th>Standards Harmonization Process</th>
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<td>• $3.3M Base Year</td>
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<td>• ANSI (Prime), ATI, Booz Allen, and HIMSS</td>
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<td>• Formed HIT Standards Panel (HITSP)</td>
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<td>• Develop, prototype, &amp; evaluate harmonization process for achieving set of HIT standards that will support interoperability among health care software applications, particularly EHRs</td>
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<tr>
<th>Compliance Certification Process</th>
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<tr>
<td>• $2.7M Base Year</td>
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<tr>
<td>• Certification Commission for HIT (Prime)</td>
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<td>• Develop criteria and evaluation process for certify EHRs and the infrastructure or network components through which they interoperate</td>
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<td>• Ambulatory EHR certification criteria due in December 2005; process by January 2006</td>
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<th>NHIN Prototypes</th>
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<td>• $18.6M to four consortia</td>
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<td>• Prime contracts awarded to four consortia led by Accenture, CSC, IBM, and Northrop Grumman</td>
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<td>• Develop prototypes for NHIN architectures using harmonized standards and certified products; testing proposed strategies to face the privacy and security challenges</td>
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<th>Privacy and Security Solutions</th>
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<tr>
<td>• $11.5M Base Year</td>
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<td>• RTI (Prime) with National Governors Association</td>
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<td>• Formed Health Information Security and Privacy Collaboration (HIPSC)</td>
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<td>• Work with state and territorial governments to assess and develop plans to address variations in policies and laws that affect P&amp;S practices that pose challenges to interoperability</td>
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Employers and Health Plans Aligning Quality Goals with HIT: Bridges to Excellence One Example

• Bridges To Excellence, a non-profit organization devoted to improving the quality and effectiveness of healthcare is catalyzing the market to create significant reforms in:
  – Provider payment – increasingly link total compensation to measurable quality and financial outcomes
  – Transparency – deploy markers on provider performance to consumers, enabling them to make better “purchasing” decisions
  – Information sharing – create an environment in which clinical information sharing is a necessity
• Has 10 active implementations by end of 2006 and 20 by end of 2007
• Has active licenses with all national plans and the majority of BCBS plans
• The state of Georgia is implementing BTE
Overview of Activities at the State Level
What Are We Seeing in the States?

• Rapidly expanding state activity – Over half of the states have some formal effort in place and the number is growing
• Primarily focused on stimulating dialogue, conducting needs assessment, facilitating cross-state coordination, planning, developing plan or roadmap
• States who Have State-wide Plan or Roadmap
  – 18% say Yes
  – 60% say No, but plan is under development
  – 22% say No

Numbers based on preliminary 2006 eHI survey data
State Legislative Activity

- Analysis as of June 9th indicates 20 states have passed legislation related to HIT or health information exchange.
- Following number of states have introduced legislation for the following:
  - Authorization of report or study – 27
  - Authorizes planning committee – 26
  - Grant program - 18
  - Loan program - 12
  - Mandates use of standards - 6
  - Incorporation of HIT with quality reporting - 10
  - Incentives - 9
  - Public health – 5
  - Other - 7
New York's Health Information Technology (HIT) Initiative

• $52.9M in grants to 26 regional health networks statewide
• Focusing on increasing the use of EHRs and giving patients greater access to their health records so they can make more informed decisions in consultation with their doctors
• Funding dedicated under the Health Care Efficiency and Affordability Law for New Yorkers (HEAL NY) to advance IT and the restructuring of the health care delivery system
• "Access to technology is an absolutely essential component of providing the highest quality health care possible. This funding will allow many of our facilities to improve their patient care by better integrating services and more effectively managing patient information."

Daniel Sisto, President of the Healthcare Association of New York State

For more, go to: www.ny.gov/governor/press/06/0524062.html
What Are We Seeing in the States? Most Pressing Challenges

- Securing upfront funding
- Developing a sustainable business model
- Addressing privacy and security issues
- Addressing organization and governance issues
- Engaging practicing clinicians
- Addressing technical aspects
## Where are States?

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<tr>
<th>Stage 1</th>
<th>Stage 2</th>
<th>Stage 3</th>
<th>Stage 4</th>
<th>Stage 5</th>
<th>Stage 6</th>
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<tr>
<td>AWARENESS</td>
<td>REGIONAL ACTIVITY</td>
<td>STATE LEADERSHIP</td>
<td>STATEWIDE PLANNING UNDERWAY</td>
<td>STATEWIDE PLAN</td>
<td>STATEWIDE IMPLEMENTATION</td>
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<tr>
<td>18%*</td>
<td>9%*</td>
<td>24%*</td>
<td>29%*</td>
<td>9%*</td>
<td>9%*</td>
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- **Stage 1: Awareness**
  - Recognition of the need for HIE among multiple stakeholders in your state, region, or community
- **Stage 2: Regional Activity**
  - Regional or community-specific HIE activity
  - Silos of HIE activity with possibly some crossover
  - Lacks leadership of state (no state role)
- **Stage 3: State Leadership**
  - Some type of legislation or Executive Order has been established
  - Statewide planning initiative being formulated
- **Stage 4: Statewide Planning Underway**
  - Well underway with coordinated, statewide planning
  - Structures in place have statewide representation
  - Clear on how to deliver statewide plan
- **Stage 5: Statewide Plan**
  - Plan / Roadmap complete and accepted
  - Release strategy in place
  - Communication strategy in place
- **Stage 6: Statewide Implementation**
  - Transmitting data that is being used by healthcare stakeholders across the state
  - Sustainable operational model

*Numbers based on preliminary 2006 eHI survey data*
Various Roles of the State: What States are Telling Us

- Participant in the dialogue – 72%
- Serving as convener – 52%
- Staffing planning activities/project management role – 42%
- Providing funds – 38%
- Commissioning or funding a study – 34%
- Providing education to stakeholders – 14%
- Requiring use of standards – 14%
- Providing financial incentives through Medicaid – 8%
- Providing financial incentives in role as purchaser – 12%

Numbers based on preliminary 2006 eHI survey data
Common State Planning Model

- Public-private sector steering group with a set of working groups focused on specific issues
- Needs assessment
- Inventory of current activities
- Making decisions about what to do first…assessing cost, value, feasibility, and urgency
- Development of an incremental roadmap that gets to their long-range vision—mobilization of information to support care delivery – but focuses on high value incremental steps first
Delaware
The Delaware Health Information Network (DHIN)

• Created by an act of the General Assembly and signed into law in 1997 (SB418)
  – To advance the creation of the statewide health information and electronic data interchange network for public and private use
  – A public private partnership that provides the organizational infrastructure to support a clinical information sharing utility
  – Under the direction and control of the Delaware Health Care Commission

www.dhin.org/default.cfm
Maryland
Maryland Health Care Commission

- Developing a long-term, sustainable plan for supporting the effective, efficient, and secure exchange of health information across the spectrum of health care stakeholders
- Supporting the work of the Task Force to Study Electronic Health Records
- Identifying the key policy, privacy, and economic issues that must be addressed in the creation of a regional health information organization for Maryland
Pennsylvania
The Pennsylvania eHealth Initiative

• Collaboration of over 40 health care-related organizations to create an electronic patient data network, March, 2005

• Network to ultimately tie into a national system allowing patients and doctors to securely access medical records throughout the country.

• To serve as a statewide source for objective, accurate information about HIT

www.paehi.org
Virginia
MedVirginia

- A Virginia Limited Liability Company, created in 2000
- Privately founded, not supported by state legislation
- MedVirginia, Virginia's Regional Health Information Organization (RHIO), launched MedVirginia Solution, a Health Information Exchange (HIE), in the fall of 2005
  - Current focus on physicians in ambulatory care facilities
  - Organize and coordinate a system for community wide clinical data and information exchange
- Has transmitted approximately 330,000 unique patient data
- Focus is in the area of Richmond, Virginia with the intent of becoming statewide
West Virginia
West Virginia Health Information Network (WVHIN)

- Senate Bill 170 created WVHIN to promote the design, implementation, operation and maintenance of a fully interoperable statewide network to facilitate public and private use of health care information in the state
- Operated by a 17-member Board of Directors representing the state’s medical schools, medical associations and other health care providers, with oversight by the West Virginia Health Care Authority
- Supports a variety of electronic clinical transactions, including disease management, preventive medicine alerts, and prescription drug tracking
CHCs Involvement in HIE

Stakeholder Involvement in HIE Efforts: All Respondents

Numbers based on 2005 eHI survey data
PCHIC – Primary Care Health Information Consortium

- To support the leadership role of NYC community-based primary care providers in their efforts to use health information technology to improve health outcomes, eliminate health disparities, and increase access to health data among traditionally underserved populations.

**Number one reason for adopting health information technology**

- Improve quality of care
- Improve provider satisfaction
- Increase revenue (billing, pay-for-performance, productivity)
- Improve workflows and efficiency
- Improve public/community health

10-24-05
Survey of CHCs interested in partnering around HIT
N=29
Number One Reason to Join PCHIC

- To give a voice to CHCs in statewide HIT developments
- More effective advocacy
- Improve IT strategic planning
- To improve public health
- Centralize tech support
- Shared hosting
- Health information exchange
- Forum for sharing experiences

10-24-05 Survey of CHCs interested in partnering around HIT N=29
Questions & Discussion

• Mobilizing health information is going to dramatically improve the quality and safety of healthcare both in Maryland and in the U.S.
Appendix
HIE Initiatives Involving CHCs

Alaska Tribal Health System Multi-Facility Integration   Anchorage   AK
Central Peninsula Health Information Network   Soldotna   AK
Mid Alabama Information Network (MAIN)   Montgomery   AL
Arizona HealthQuery   Phoenix   AZ
Fresno HCAP One-e-App project   Fresno   CA
Long Beach Regional Health Information Organization (LBRHIO)   Long Beach   CA
Implementing HIT to transform quality in rural SE Kern County   Los Angeles  Ca
Merced County Health Care Consortium   Merced   CA
Golden Valley Health Centers
Northern Sierra Rural Health Network: 'Connecting People to Care'   Nevada City   CA
San Diego Medical Information Network Exchange (SD Mine)   San Diego   CA
Community Chronic Care Network   Santa Cruz   CA
Community Diabetes Registry
Epicare Practice Management and EMR for Safety Net Clinics   Santa Cruz   CA
Mendocino SHARE (Securing Health Access and Records Exchange)   Ukiah   CA
Colorado Health Information Exchange (COHIE)   Aurora   CO
Integrated Physician Network Avista   Superior,   CO
HealthTrack   Colorado Springs  CO
Waterbury Health Access Program   Waterbury   CT
Greater Washington Board of Trade   Washington   DC
National Capital Area-RHIO (NCA RHIO)   Washington   DC
HIE Initiatives Involving CHCs (cont.)

Quality Healthcare Alliance
North Idaho Partners in Care
Personal Wellness, Inc.
Bloomington E-Health Collaborative
Indiana Health Information Exchange
Indiana Health Centers, Inc.
MHI N
Jayhawk POC
Connecting Healthcare in Central Appalachia
getCare Health Network
Kentucky Health Information Exchange
The Partnership for Access to Healthcare (PATH)
BMC CareNet Plan / Boston HCAP
Patient Empowerment Project
Clinical Quality Measures for RHIO
MA-SHARE Clinical Data Exchange
New England Healthcare EDI Network (NEHEN)
Community based Intervention System (CBIS)
Maryland/D.C. Collaborative for Healthcare Information Technology
Western MD Health System-Allegheny Community Access Program

Honolulu    HI
Coeur d'Alene    ID
Chicago    IL
Bloomington    IN
Indianapolis    IN
Indianapolis    IN
South Bend    IN
Pratt    KS
Lexington    KY
Louisville    KY
Louisville    KY
New Orleans    LA
Boston    MA
Boston    MA
Waltham    MA
Waltham    MA
Baltimore    MD
Columbia    MD
Cumberland    MD
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<tr>
<th>HIE Initiatives Involving CHCs (cont.)</th>
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<td>Capital Area Health Alliance RHIO (CAHARHIO)</td>
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<td>St. Joseph Health System HCAP Grant Program</td>
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<td>Northeast Minnesota Regional Health Information Organization</td>
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<td>KC CareLink</td>
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<td>Western North Carolina Regional Data Link Project</td>
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<td>Community Health Network</td>
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<td>Rochester Regional Health Information Organization</td>
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<td>The New Hampshire Health Information Center</td>
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<td>Community Health Information Forum</td>
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<td>The WorldDoc Foundation Uninsured, At-Risk, &amp; Latino Health Decision Site</td>
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<td>UNYPHIED.org</td>
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<td>North Country Health Information Exchange</td>
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<td>The Continuum Center for Health and Healing HIE Project</td>
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<td>Greater Cincinnati HealthBridge, Inc.</td>
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<td>Wright State University HealthLink Information Exchange (HIEx)</td>
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<td>Central Oklahoma Project Access</td>
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<td>South Coast Rural Health Integrated Provider Team (SCRI PT)</td>
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<td>Oregon and SW Washington Healthcare, Privacy &amp; Security Forum</td>
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<td>Oregon Community Health Information Network, Inc.</td>
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<td>Oregon Health Information Infrastructure</td>
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<td>Illinois Mental Health Medicaid Project</td>
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<td>Pennsylvania College of Optometry: Outreach Eye Clinics</td>
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<td>Rhode Island Quality Institute</td>
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<td>South Carolina Healthcare Information Network (SCHIN)</td>
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<td>Hendrick/Texas Tech Rural Community Healthcare Expansion Initiative</td>
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<td>CareSpark</td>
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<td>Child Health Profile</td>
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<td>Technically Integrated Treatment and Access Network (TITAN)</td>
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<td>Utah Health Information Network</td>
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<td>Community Care Network of Virginia</td>
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<td>MORE Access</td>
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<td>Whatcom ePrescribing Project</td>
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<td>OneHealthPort, Inc.</td>
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<td>Inland Northwest Health System</td>
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<td>Wisconsin Health Information Exchange (WHIE)</td>
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<td>Alliance Healthy Communities Program</td>
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<td>VitaValley International and HCON Health Cooperative Network</td>
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