Overview of Trends at the National, State and Community Levels

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

Janet Marchibroda, Chief Executive Officer
and
Emily Welebob, Vice President, Program Delivery
eHealth Initiative and Foundation
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

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eHI is the "Go-to" Organization For State and Regional HIT and Health Information Exchange Efforts

Advocacy

Grants

eHI & Foundation Mission
Improve the quality, safety, and efficiency of healthcare through information and information technology

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

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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

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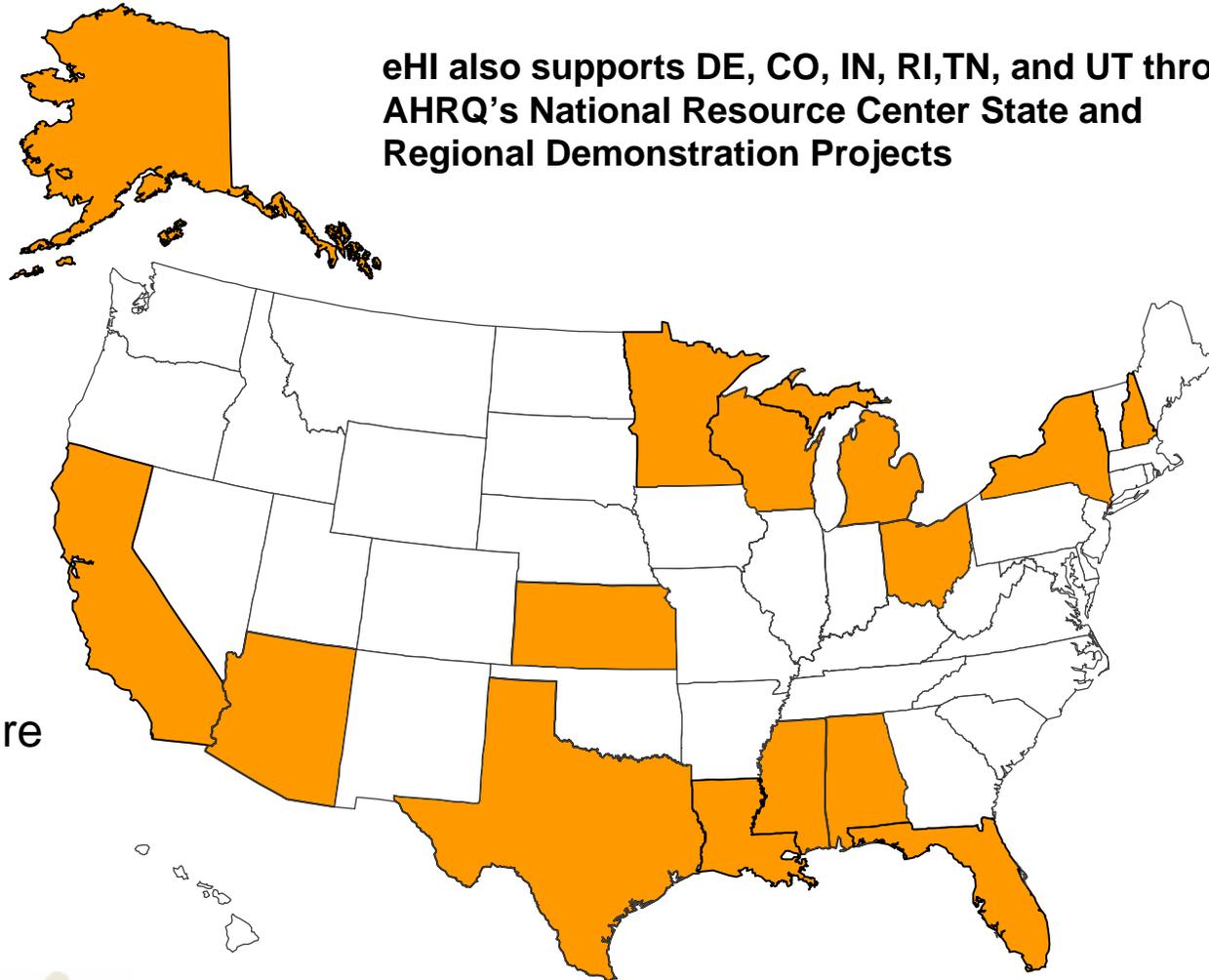
Our Work Supporting State, Regional and Community-Based Initiatives: Sustainability

- 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

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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

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Four Contracts Can Lay Foundation

- **Standards Harmonization Process**
  - $3.3M Base Year
  - ANSI (Prime), ATI, Booz Allen, and HIMSS
  - Formed HIT Standards Panel (HITSP)
  - Develop, prototype, & evaluate harmonization process for achieving set of HIT standards that will support interoperability among health care software applications, particularly EHRs

- **Compliance Certification Process**
  - $2.7M Base Year
  - Certification Commission for HIT (Prime)
  - Develop criteria and evaluation process for certify EHRs and the infrastructure or network components through which they interoperate
  - Ambulatory EHR certification criteria due in December 2005; process by January 2006

- **NHIN Prototypes**
  - $18.6M to four consortia
  - Prime contracts awarded to <u>four</u> consortia led by Accenture, CSC, IBM, and Northrop Grumman
  - Develop prototypes for NHIN architectures using harmonized standards and certified products; testing proposed strategies to face the privacy and security challenges

- **Privacy and Security Solutions**
  - $11.5M Base Year
  - RTI (Prime) with National Governors Association
  - Formed Health Information Security and Privacy Collaboration (HIPSC)
  - Work with state and territorial governments to assess and develop plans to address variations in policies and laws that affect P&S practices that pose challenges to interoperability

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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

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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

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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

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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

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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?

Stage 1 AWARENESS 18%*	Stage 2 REGIONAL ACTIVITY 9% *	Stage 3 STATE LEADERSHIP 24%*	Stage 4 STATEWIDE PLANNING UNDERWAY 29%*	Stage 5 STATEWIDE PLAN 9%*	Stage 6 STATEWIDE IMPLEMENTATION 9%*
■ Recognition of the need for HIE among multiple stakeholders in your state, region, or community ■ No coordinated, statewide activity	■ Regional or community-specific HIE activity ■ Silos of HIE activity with possibly some cross-over ■ Lacks leadership of state (no state role)	■ Some type of legislation or Executive Order has been established ■ Statewide planning initiative being formulated	■ Well underway with coordinated, statewide planning ■ Structures in place have statewide representation ■ Clear on how to deliver statewide plan	■ Plan / Roadmap complete and accepted ■ Release strategy in place ■ Communication strategy in place	■ 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

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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

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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

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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

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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

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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

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West Virginia
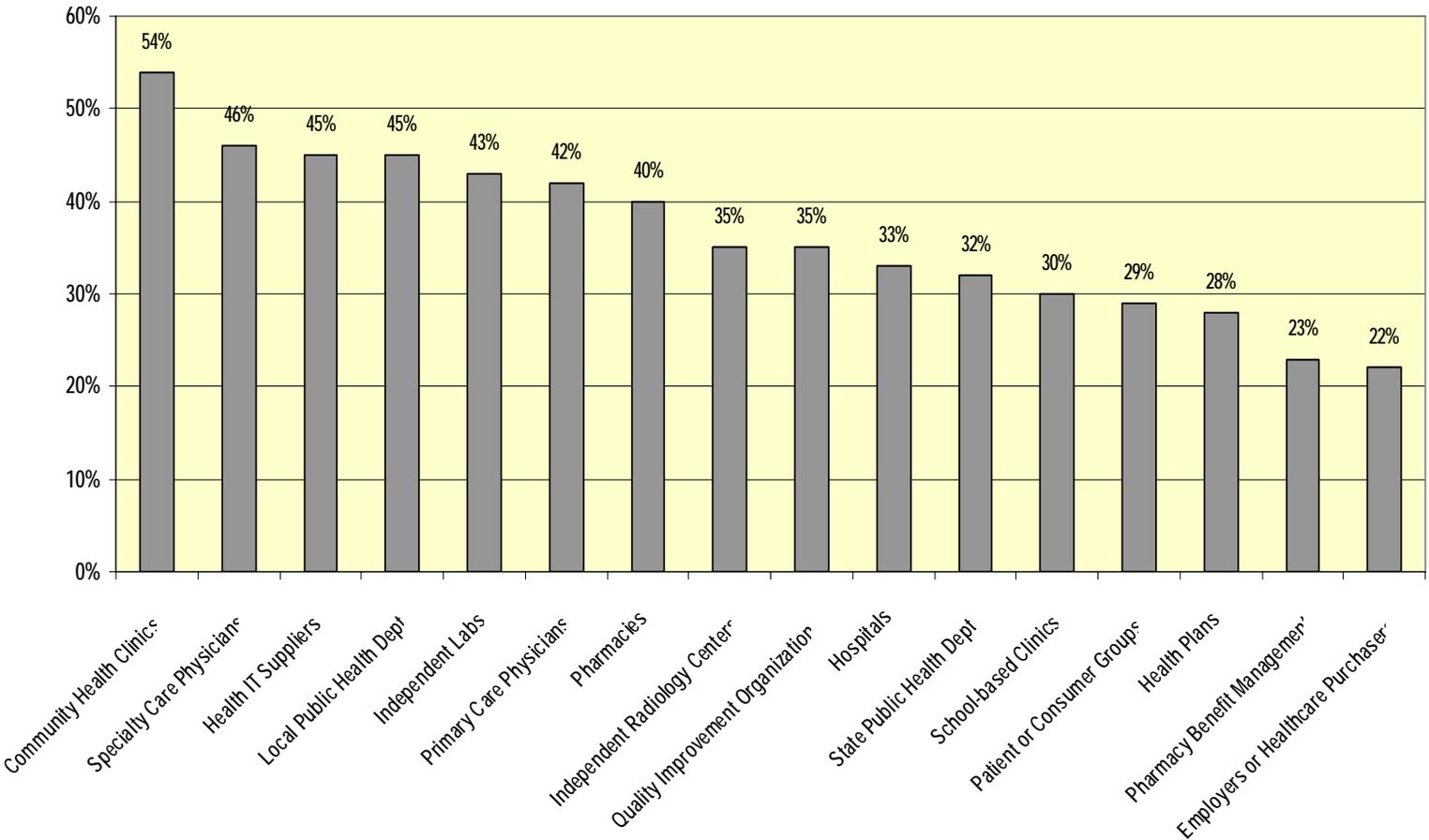## West Virginia Health Information Network (WVHIN)

- 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

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CHCs Involvement in HIE


Stakeholder Involvement in HIE Efforts: All Respondents

Stakeholder	Percentage
Community Health Clinics	54%
Specialty Care Physicians	46%
Health IT Suppliers	45%
Local Public Health Dept	45%
Independent Labs	43%
Primary Care Physicians	42%
Pharmacies	40%
Independent Radiology Centers	35%
Quality Improvement Organization	35%
Hospitals	33%
State Public Health Dept	32%
School-based Clinics	30%
Patient or Consumer Groups	29%
Health Plans	28%
Pharmacy Benefit Management	23%
Employers or Healthcare Purchasers	22%

Numbers based on 2005 eHI survey data

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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

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

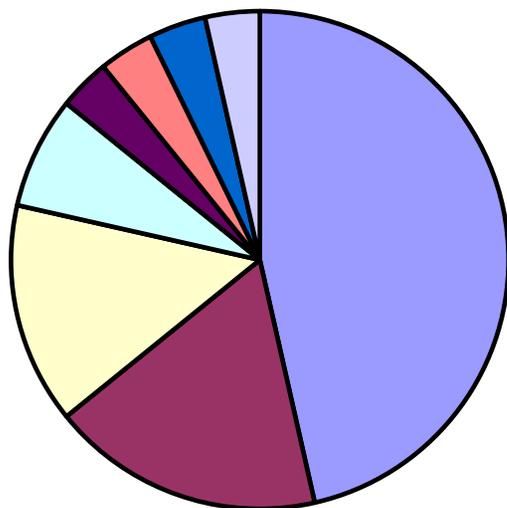**Number one reason for adopting health information technology**
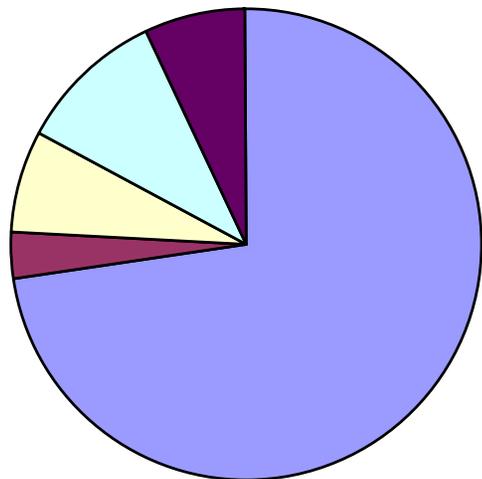
- ☐ Improve quality of care
- ☐ Improve provided satisfaction
- ☐ Increase revenue (billing, pay-for-performance, productivity)\
- ☐ Improve workflows and efficiency
- ☐ Improve public/community health

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PCHIC

Number One Reason to Join PCHIC

Legend:
- 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

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Questions & Discussion

- Mobilizing health information is going to **dramatically improve the quality and safety of healthcare both in Maryland and in the U.S.**

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www.ehealthinitiative.org

818 Connecticut Avenue, N.W., Suite 500

Washington, D.C. 20006

202.624.3270

Janet.marchibroda@ehealthinitiative.org

Emily.welebob@ehealthinitiative.org

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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
Implemenenting HIT to transform quality in rural SE Kern County	Los Angeles	Ca
Merced County Health Care Consortium Golden Valley Health Centers	Merced	CA
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 Community Diabetes Registry	Santa Cruz	CA
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

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HIE Initiatives Involving CHCs *(cont.)*

Quality Healthcare Alliance	Honolulu	HI
North Idaho Partners in Care	Coeur d'Alene	ID
Personal Wellness, Inc.	Chicago	IL
Bloomington E-Health Collaborative	Bloomington	IN
Indiana Health Information Exchange	Indiananapolis	IN
Indiana Health Centers, Inc.	Indianapolis	IN
MHIN	South Bend	IN
Jayhawk POC	Pratt	KS
Connecting Healthcare in Central Appalachia	Lexington	KY
getCare Health Network	Louisville	KY
Kentucky Health Information Exchange	Louisville	KY
The Partnership for Access to Healthcare (PATH)	New Orleans	LA
BMC CareNet Plan / Boston HCAP	Boston	MA
Patient Empowerment Project	Boston	MA
Clinical Quality Measures for RHIO	Waltham	MA
MA-SHARE Clinical Data Exchange	Waltham	MA
New England Healthcare EDI Network (NEHEN)	Waltham	MA
Community based Intervention System (CBIS)	Baltimore	MD
Maryland/D.C. Collaborative for Healthcare Information Technology	Columbia	MD
Western MD Health System-Allegany Community Access Program	Cumberland	MD

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HIE Initiatives Involving CHCs *(cont.)*

Capital Area Health Alliance RHIO (CAHARHIO)	East Lansing	MI
St. Joseph Health System HCAP Grant Program	Tawas City	MI
Northeast Minnesota Regional Health Information Organization	Duluth	MN
KC CareLink	Kansas City	MO
Western North Carolina Regional Data Link Project	Asheville	NC
Community Health Network	Hendersonville	NC
Rochester Regional Health Information Organization	Rochester	New Yo
The New Hampshire Health Information Center	Durham	NH
Community Health Information Forum	Raymond	NH
The WorldDoc Foundation Uninsured, At-Risk, & Latino Health Decision $	Las Vegas	NV
UNYPHIED.org	Amherst	NY
North Country Health Information Exchange	Glens Falls	NY
The Continuum Center for Health and Healing HIE Project	New York	NY
Greater Cincinnati HealthBridge, Inc.	Cincinnati	OH
Wright State University HealthLink Information Exchange (HIEx)	Dayton	OH
Central Oklahoma Project Access	Oklahoma	OK
South Coast Rural Health Integrated Provider Team (SCRIPT)	Gold Beach	OR
Oregon and SW Washington Healthcare, Privacy & Security Forum	Portland	OR
Oregon Community Health Information Network, Inc.	Portland	OR

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HIE Initiatives Involving CHCs *(cont.)*

Oregon Health Information Infrastructure	Portland	OR
Illinois Mental Health Medicaid Project	Portlant	OR
Pennsylvania College of Optometry: Outreach Eye Clinics	Elkins Park	PA
Rhode Island Quality Institute	Providence	RI
South Carolina Healthcare Information Network (SCHIN)	N. Charleston	SC
Hendrick/Texas Tech Rural Community Healthcare Expansion Initative	Abilene	Texas
CareSpark	Kingsport	TN
Child Health Profile	Knoxville	TN
Technically Integrated Treatment and Access Network (TITAN)	Memphis	TN
ICare Project	Austin	TX
Access Medica	Tyler	TX
Utah Health Information Network	Murray	UT
Community Care Network of Virginia	Newport News	VA
MORE Access	Richmond	VA
Whatcom ePrescribing Project	Bellingham	WA
OneHealthPort, Inc.	Seattle	WA
Inland Northwest Health System	Spokane	WA
Wisconsin Health Information Exchange (WHIE)	Mequon	WI
Alliance Healthy Communities Program	Parkersburg	WV
VitaValley International and HCON Health Cooperative Network	Leerbroek	Europe

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