

Health Information Exchange Across California
The Many Roles of Public Health



California Conference of Local Health Officers

June 4, 2009

Will Ross

Member, Steering Committee
California eHealth Collaborative



Project Manager
Redwood MedNet



Health Information Exchange Across California

The Many Roles of Public Health

June 4, 2009

1. How **Redwood MedNet** Collaborates With Local **Public Health Departments** (Mendocino, Lake & Sonoma)
2. Formation of the **California eHealth Collaborative** (CAeHC)
3. **PHIN Information Links Community of Practice**: How Public Health Collaborates With Health Information Exchange



A Short History of the Redwood MedNet HIE

1. Physicians form a Technology Steering Committee in July 2004
2. Redwood MedNet incorporated in August 2005 as a 501(c)(3) nonprofit corporation
3. Formed to build a community health information exchange (HIE)
4. Launched with grant funding from
 - **Blue Shield of California Foundation**
 - **UnitedHealthcare**
 - **California HealthCare Foundation**
5. Began laboratory results delivery in April 2008



HIE Status, May 20, 2009

Laboratory results delivery in production

- Healdsburg District Hospital
- Quest Diagnostics

Laboratory results delivery in pilot testing

- Hunter Laboratory
- Ukiah Valley Medical Center

Laboratory results delivery in development

- Mendocino Coast District Hospital
- Sutter Lakeside Hospital
- LabCorp
- Sonoma County Public Health (includes Mendocino)

Stand Alone ePrescribing in development

- at two safety net clinics

Master Patient Index in development

- Pilot testing scheduled in next three weeks



Friday July 10, 2009

Third Annual Health Information Exchange Conference
Krug Conference Center, Healdsburg, California

Featured Presenters

- Allen Briskin -- Attorney, *Davis Wright Tremaine*
- Todd Ferris, MD -- Associate CIO, School of Medicine, *Stanford University*
- Jonah Frohlich, MPH -- Deputy Secretary of Health IT, *State of California*
- Cmdr Emory Fry, MD -- Neonatologist, *San Diego Naval Medical Center*
- Lori Hack, MBA -- CEO, *ObjectHealth*
- Michael Hogarth, MD -- Assoc. Prof. of Pathology, School of Medicine, *UC Davis*
- John Mattison, MD -- Chief Medical Information Officer, *Kaiser Permanente*
- Wes Rishel -- VP, *Gartner*
- Sandra Shewry, MPH -- CEO, *California Center for Connected Health*
- Dean Sittig, PhD -- Assoc. Prof. of Health Information Science, *University of Texas*
- Michael Stearns, MD -- CEO, *e-MDs*



June 4, 2009

Redwood MedNet & Public Health

1. In 2005 **Mendocino County Public Health** was a co-sponsor in the formation of Redwood MedNet
2. Dr. Marvin Trotter, **Mendocino County Health Officer**, is a founding Board Member of Redwood MedNet
3. Dr. Trotter chairs the **Redwood MedNet Privacy Committee**
4. Redwood MedNet and Mendocino Public Health offer monthly webinars -- **Redwood Health Information Collaborative**
5. Redwood MedNet is co-developing a lab results delivery interface with **Sonoma County Public Health**, which operates the public health lab for Sonoma, Mendocino and Lake Counties



Agenda

Wednesday May 20, 2009 -- 9:00 am to 11:00 am (pacific)

Meeting Archive: <http://mendocinohre.org/rhic/content.html#may09>

Webinar: <http://www.readytalk.com> -- Conference Call: **866.740.1260**

Access Code **462 6369**

Introduction

Will Ross -- COO

Redwood MedNet

Presentation 1

A Practical Application of Open Source Strategies in a Not So Conventional Health Care Company

Tim Elwell

Vice President, Misys Open Source Solutions - Healthcare

Presentation 2

Rural Health Information Survey: Selected Findings for Mendocino County

Jessica VanArsdale, MD, MPH

Director of Health Research, California Center for Rural Policy, Humboldt State University

Presented by Redwood MedNet and the Public Health Branch of Mendocino County Health and Human Services



Free Webinars Open to the Public

Third Wednesday, 9:00 - 11:00 AM

Recent presentations from

1. UCSF
2. UC Davis
3. UC Berkeley
4. US Dept. Health & Human Services
5. California Office of the CIO
6. California Center for Rural Policy
7. HITSP
8. Pacific Business Group on Health
9. Connecting for Health

California eHealth Collaborative

An Opportunity Open To All eHealth Efforts

1. Formation of **California eHealth Collaborative (CAeHC)**
2. Map of **HIE Projects in California**
3. CAeHC Weekly **eHealth Webinar Series**
4. Preliminary Results of the **CAeHC Town Hall Meetings**
5. Issuing a **Call to Action** to Support State & Federal Agendas for eHealth

What Is CAeHC?

1. California eHealth Collaborative founded February 10, 2009
2. An association of **Health Information Exchanges** formed to help health care stakeholders:
 - Build a consensus on state health IT policy priorities
 - Collaborate on state and regional health IT deployments
 - Help state health IT projects conform to nationally identified standards

Statewide

-  Sutter Health
-  CalRHIO
-  Kaiser Permanente
-  Catholic Healthcare West

National

-  Veterans Administration
-  Military Health System
-  Indian Health Service
-  Social Security Administration

Regional

- Redwood MedNet**
- Northern Sierra
- Community Connect
- Virtual Clinical Network**
- ACCEL**
- John Muir Health
- Smart Valley*
- Santa Cruz**
- Fresno HCAP
- EKCITA**
- Santa Barbara*
- Health-e-LA
- Long Beach**
- Inland Empire*
- Orange County**
- OCPRHIO
- San Diego



2009.04.14.c

CAeHC Webinar Archive

Presentations and audio files are available on our website

- March 10: **Rachel Block**, *New York eHealth Collaborative*
- March 17: **Janet Marchibroda**, *eHealth Initiative*
- March 27: **Sam Karp**, *California HealthCare Foundation*
- April 2: **Blackford Middleton**, *Partners Healthcare*
- April 14: **David Lansky**, *Pacific Business Group on Health*
- April 21: **John Halamka**, *HITSP*
- April 28: **Micky Tripathi**, *MAeHC*
- May 5: **Mark Leavitt**, *CCHIT*
- May 15: **Allen Briskin**, *Davis, Wright Tremaine*
- May 21: **John Loonsk**, *CGI Federal*
- May 26: **Jonah Frohlich**, *California Deputy Sec. of Health IT*
- June 2: **John Glaser**, *CIO, Partners Healthcare*

CAeHC Webinar Schedule

- June 9: **Deven McGraw**, *Health Privacy Project*
- June 16: **Les Lenert**, *NCPHI, Centers for Disease Control*
- June 23: to be announced
- June 30: *to be announced*
- July 7: **Kim Ortiz**, *Medi-Cal*
- July 14: **Lynn Dierker**, *State Level HIE Consensus Project*

All CAeHC Webinars are archived on our website

Preliminary Town Hall Results

- Over 300 participants in Town Hall meetings and Surveys
- 60 Individual Surveys reporting results from their experience, facility or community
- Community based Town Hall meetings have been recorded with an average of 18 participants per session
- Participants include all stakeholders categories including Government (which was not a category previously included)
- **CalOHII** also has the online survey form on their website if you have not completed a survey

Preliminary Town Hall Results

- 22 of 56 Counties Reporting with an average of 17 participants in each meeting
- Central Valley has not held Town Hall Meetings or reported on Survey
- Rural NorthEast and SouthEast Counties did not report, although active HIE's exist in these Counties
- Follow up will be required for these regions

CAeHC Town Hall Meetings

Marin County -- April 21, 6:30 PM, Novato Oaks Best Western, Novato

Long Beach -- April 24, 10:00 AM, Miller Family Health, Long Beach

Yuba-Sutter -- April 24, 12:00 PM, Sutter One Stop, Yuba City

Santa Barbara & San Luis Obispo Counties -- April 27, 11:30 AM, CenCal Health, Goleta & San Luis Obispo (*with video conference link*)

Solano County -- April 27, 3:00 PM, Partnership HealthPlan, Fairfield

Napa County -- April 27, 6:00 PM, Health & Human Services, Napa

Yolo County -- April 28, 9:00 AM, Woodland Healthcare, Woodland

Sonoma County -- April 29, 12:00 PM, Alliance Medical Center, Healdsburg

North San Diego County -- May 1, 10:00 AM, San Juan Capistrano

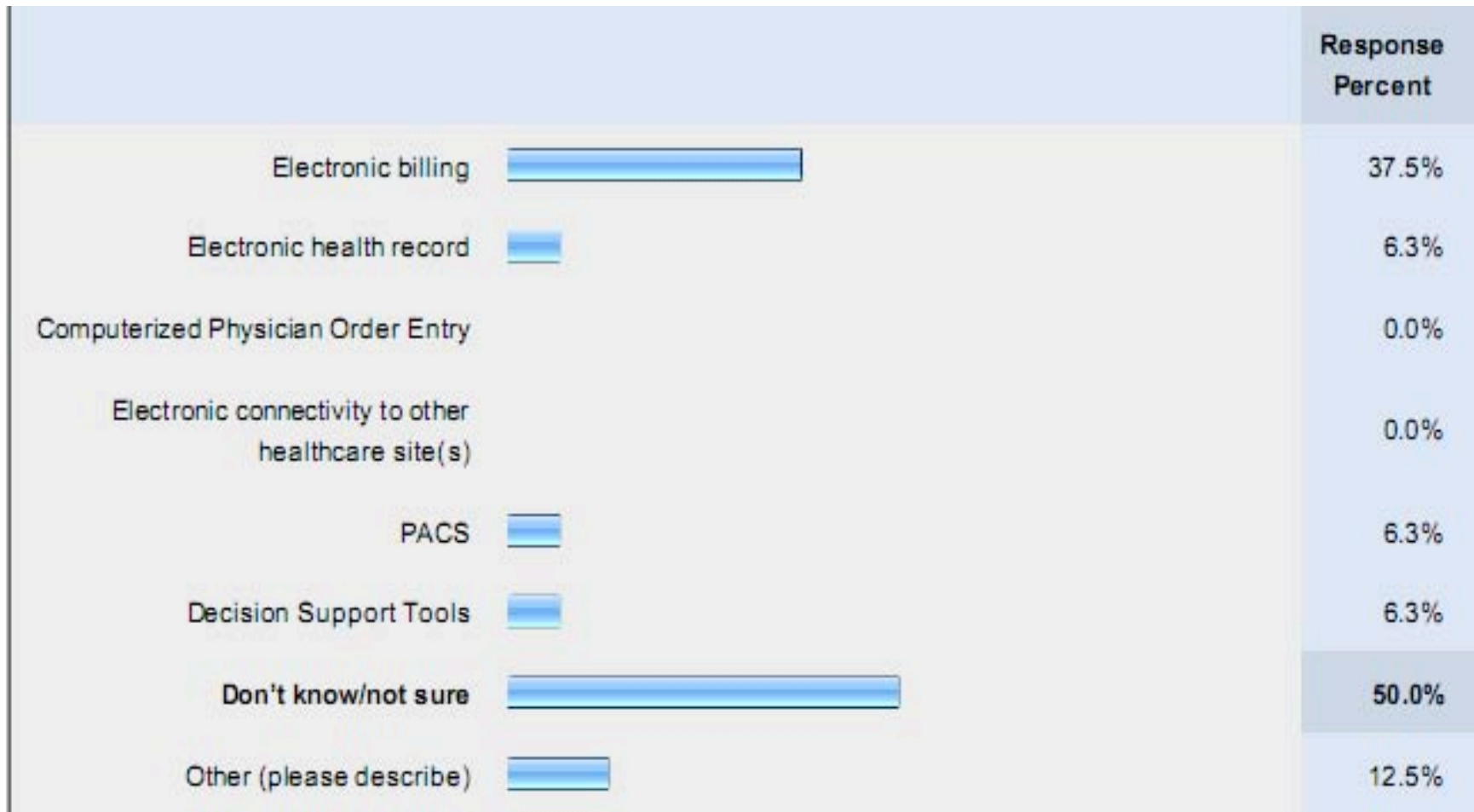
South San Diego County- May 4, 1;45 PM, San Diego

Mendocino County -- May 4, 11:00 AM, Mendocino Public Health, Ukiah

San Francisco -- May 28, 6:00 PM, San Francisco

Contra Costa/Alameda –June 3, 6-8 PM, Martinez

Public Health Survey Results



Regional HIE Examples

Redwood MedNet

- Community feeds of electronic laboratory results from hospitals and public health labs in three counties

Santa Cruz RHIO

- Santa Cruz provides community feeds of Rx, Lab Results, Discharge summaries to Santa Cruz County and private providers

Orange County Gateway

- Receives complete medication history, lab results, discharge summaries and clinic visit information on 25,000 homeless patients.
- Information can be supplied to Public Health for CMR purposes.
(Note, this is not old claims data, but nightly feeds of clinical information)

Call To Action

1. Explore the opportunities to work within your communities who are already exchanging data using national standards
2. Facilitate new HIE efforts among your peers that will leverage federal funding
3. Develop a **Stakeholder Group** to discuss your options
4. Educate the public on the value of electronic clinical data
5. Apply for state and federal funds
6. Provide your expertise to assist the community efforts

Centers for Disease Control

Public Health Information Network (PHIN)

- Information Links Community of Practice (CoP)



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PHIN Spotlight

Progress in Public Health Informatics



The possibility of public

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PHIN Activities

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News & Events

PHINews Released
 We're pleased to bring you the latest edition of *PHINews*, the NCPHI newsletter for PHIN. In this issue, we spotlight NCPHI's work at this year's HIMSS Conference. [more >>](#)

PHIN Forum
 Join the collection of on-line forums that support dialogue on the various aspects of Public Health Information Network.

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PHIN Communities of Practice



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Current PHIN CoPs

PHIN Communities of Practice focus on a technical or functional area key to the Public Health Information Network (PHIN). There are currently five PHIN Communities of Practice: Enterprise Architecture, InfoLinks, Laboratory Messaging (formerly known as Electronic Laboratory Reporting), Outbreak Management, and Vocabulary and Messaging. Each Community is open to everyone, easy to join, and your level of commitment is up to you.

To learn more about the PHIN Communities, please visit each Community's page by clicking on the links in the left navigation menu. If you are interested in joining a PHIN Community, please complete the online form on the [Join a PHIN CoP](#) page.

[PHIN Community Meeting notes from the 2008 PHIN Conference](#)



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Current PHIN CoPs

InfoLinks

The InfoLinks CoP is a national community of public health professionals with experience in organizing, implementing, and working with Health Information Exchanges (HIEs). We seek to promote the use of HIEs and generate innovative solutions to today's barriers by sharing knowledge and openly discussing the real challenges faced by those on the frontlines of implementing HIEs in the United States. Our current membership is comprised of over 70 state, local, territorial and other public health professionals.

InfoLinks employs tools including webinars and a CDC hosted website. Monthly webinars involving HIE process, technological and organizational related discussions enable InfoLinks CoP members who are beginning to explore information exchanges to learn from more-experienced practitioners, who can, in turn, share cutting edge information among themselves and continue to be innovators in their field.

InfoLinks CoP knowledge products include leading practices documents, guidelines documents, knowledge repositories and a centralized knowledgebase of existing HIE-related projects and documentation and working papers.

Information Links CoP

The Information Links Community of Practice is a national community of public health professionals with expertise in organizing, implementing and working with Health Information Exchanges (HIE).



Community of Practice Call

Thursday, October 30, 2008

2:00 – 3:30 pm ET

Agenda:

- Welcome and introduction:
- InfoLinks CoP Charter
- Presentation by Will Ross, Mendocino Informatics:
Demonstration of Clinical Results Delivery Using the Mirth Integration Engine
- Knowledge Products Discussion – AHIC
- Community Sharing and Discussion
- December Meeting
- Closing Remarks

****Audience Participation:** Join in the discussion or use the options below to pose questions.
Online: use the **Question & Answer** fields located at the top of your webinar window.

InfoLinks Brochure

- Why collaboration between HIEs and Public Health is a good match
- 2007 work product from InfoLinks CoP
- Download from CDC website

Health Information Exchanges ~ *in which healthcare*

stakeholders form a collaborative network to share health information ~

can help resolve health care costs and medical errors. However, public health is not always involved in the exchange. Does public health data add value to the HIE? Can a partnership between physicians and public health strengthen healthcare? The inclusion of public health agencies and public health data in the design of Health Information Exchanges (HIEs) offers long-term benefits for individual and community health.

Consider the potential for this **Healthy Partnership.**

InfoLinks White paper

- 2009 work product from InfoLinks CoP

InfoLinks Brief
Draft Version 3.2
May 20s, 2009

Health information technology has taken center stage in our national discussion of health care reform, due in large part to the administration's focus on using electronic health records as a way to decrease healthcare costs and improve health outcomes. (1) This dialogue provides public health with an unprecedented opportunity to contribute pragmatic vision and leadership on how best to bridge the clinical and public health informational divide. Our charge during this unique window of opportunity is to ensure that population health and prevention are considered as important as individual health when critical health reform strategies are enacted.

The American Recovery and Reinvestment Act (ARRA) of 2009 apportions \$19 billion for the adoption of health information technology. This section of the legislation focuses largely on the utilization of electronic health records and the development of interoperability of EHRs to allow for the seamless sharing of data among physicians, hospitals, and other health care entities.(2) Herein lies the key to public health's entry into the national health

American Recovery and Reinvestment Act of 2009.

Economic stimulus legislation enacted February 17, 2009.
http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=111_cong_bills&docid=f:hlenr.pdf

Office of the National Coordinator for Health Information Technology (ONC)

Established in 2004, the ONC is the principal Federal entity responsible for coordinating the national efforts related to the implementation and use of electronic health information exchange. The Office is under the aegis of the Department of Health and Human Services.

<http://healthit.hhs.gov/portal/server.pt?open=512&mode=2&cached=true&objID=1200>

Health Information Technology (HIT)

includes electronic health records and tools used for e-prescribing, telehealth, and health information exchange. EHRs and other forms of HIT have the potential

PHIN Information Links CoP

Role of Public Health in HIE

1. Source of clinical and other health information on clients seen by public health
2. Source of information on emergent issues in a community, information that could assist a clinician in diagnostic and treatment decisions
3. Recipient of reportable disease information
4. Provider of expert knowledge in population health improvement, and in clinical and treatment guidelines

PHIN Information Links CoP

Role of HIE in Population Health

1. Expanded access to reportable conditions
2. More complete and timely surveillance
3. Improved continuity of care
4. Improved quality as measured in population health indicators
5. Improved adherence to guidelines
6. Improved health outcomes

PHIN Information Links CoP

California Participation in InfoLinks

1. Long Beach PH & Long Beach Network for Health
2. Mendocino PH & Redwood MedNet
3. Santa Cruz PH & Santa Cruz RHIO
4. Sacramento PH
5. Imperial PH
6. *your department here?*

Thank You

