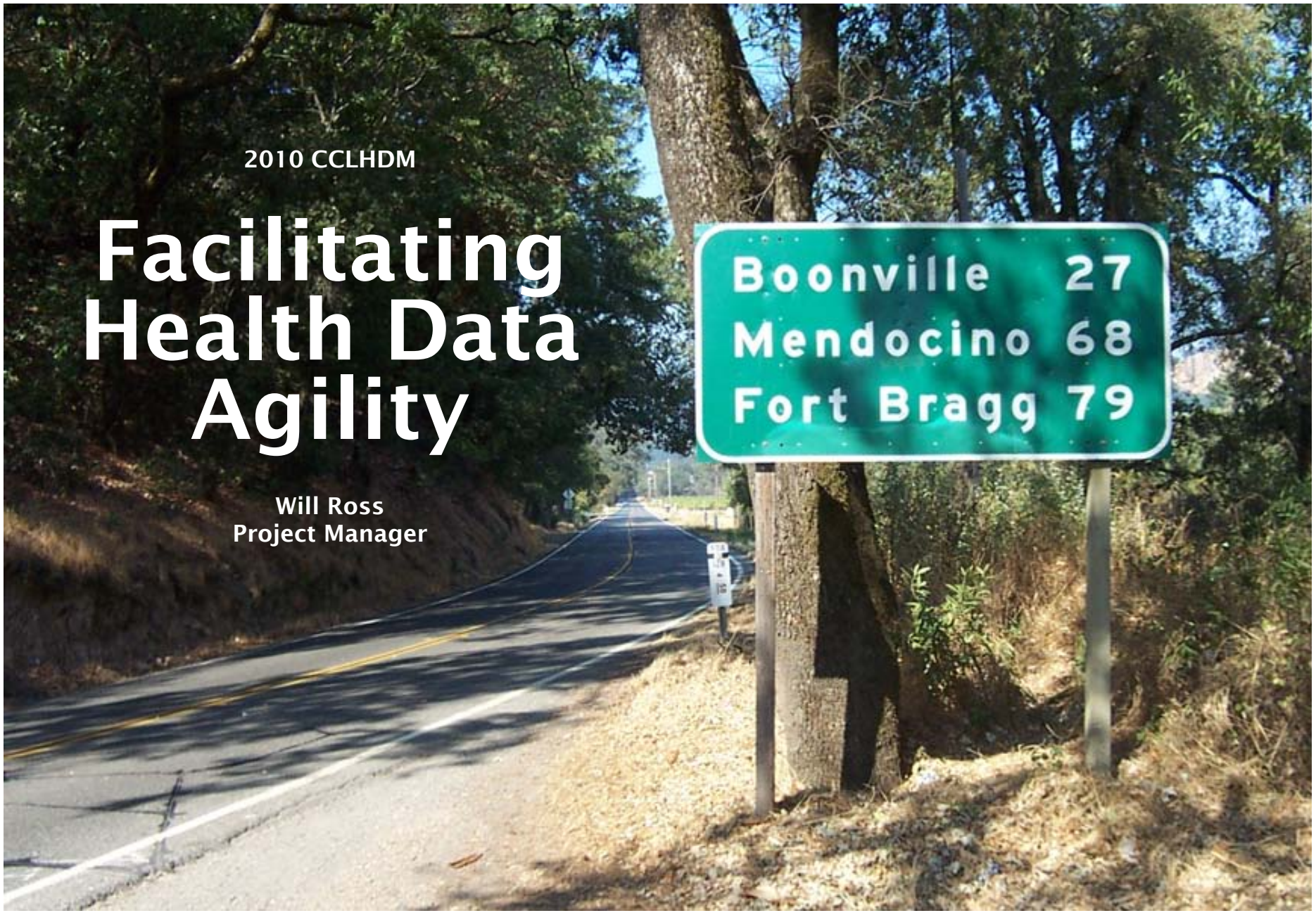
2010 CCLHDM

Facilitating Health Data Agility



Will Ross
Project Manager

Abstract

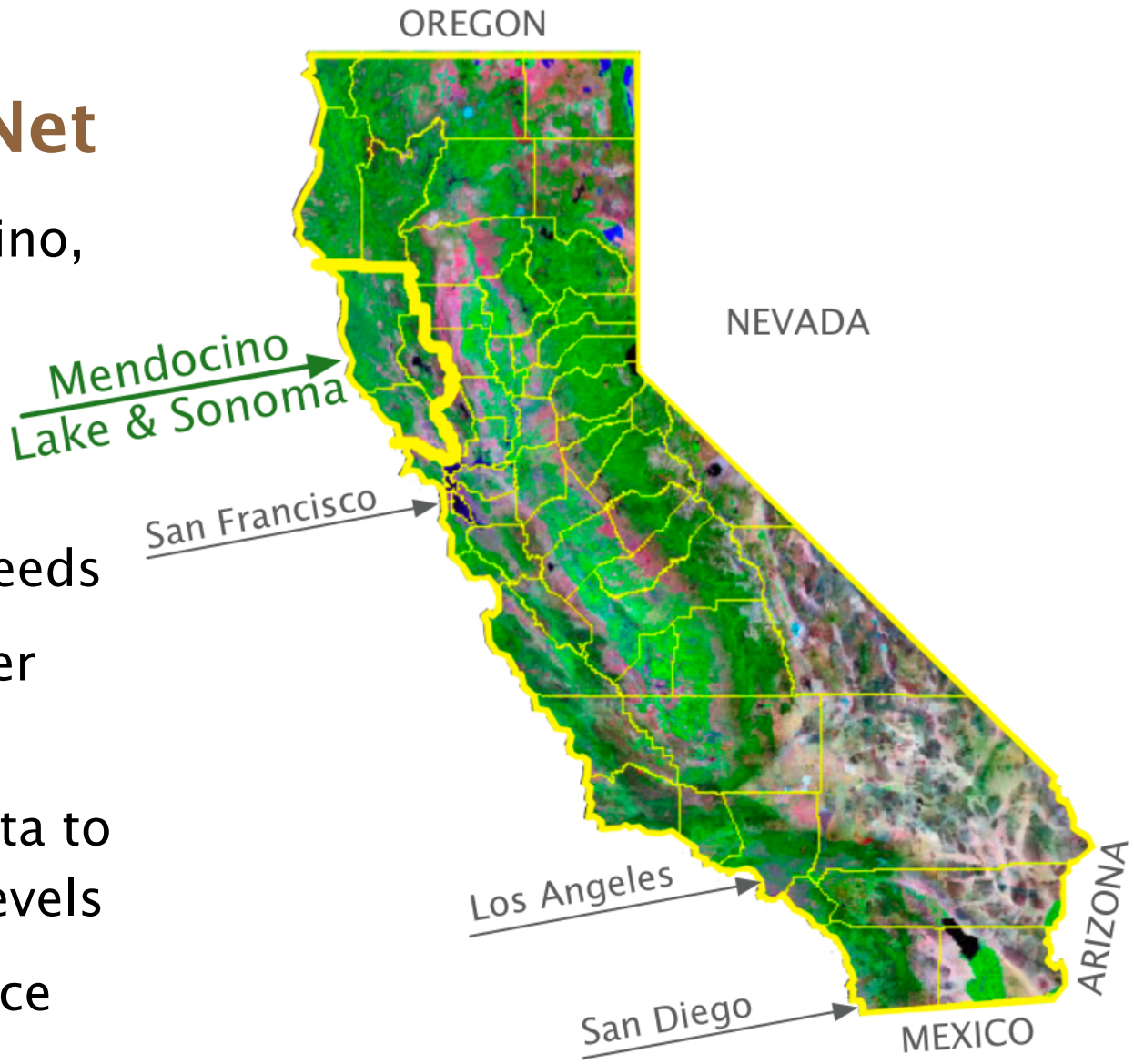
The majority of health care is delivered in practice settings which are not likely to have adopted Electronic Health Records (EHR). Specifically, in the North Coast region approximately 14% of care is delivered in a practice setting with an EHR. Recently adopted Federal incentives will accelerate the implementation of EHRs, which is typically an 18 month change management process for an individual clinical practice setting. Current surveys indicate that within two years EHR adoption will approach 50% of health care providers. In addition, local, statewide and national planning for health data interoperability among EHR users is lagging behind EHR adoption, which will strand some data in electronic silos until breakthrough interoperability can be achieved. These conditions indicate a current surge capacity constraint for public health access to practical signaling capabilities of natively electronic patient data. However, several projects in pilot testing show potential to accelerate interoperability by more closely matching electronic health data acquisition to site level clinical data workflow as well as by reducing complexity for health data interoperability.

ABOUT REDWOOD MEDNET

A nonprofit health data exchange service founded in Ukiah, California in 2004.

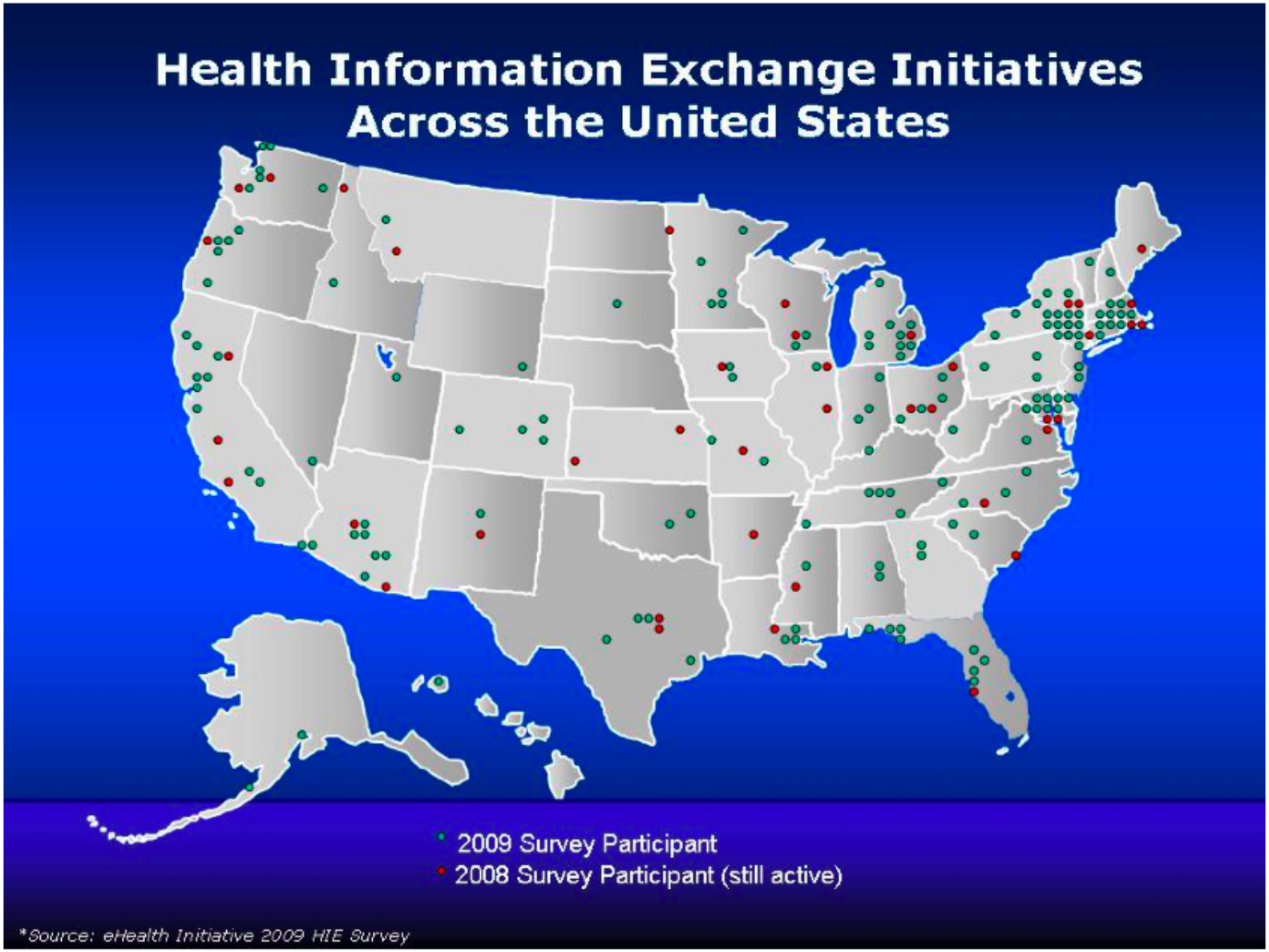
Redwood MedNet

- Pilot test in Mendocino, Lake and Sonoma Counties
- 5 laboratory feeds
- 2 radiology center feeds
- 40,000 messages per month
- Delivering health data to 48 physicians/midlevels
- Launching eRx service

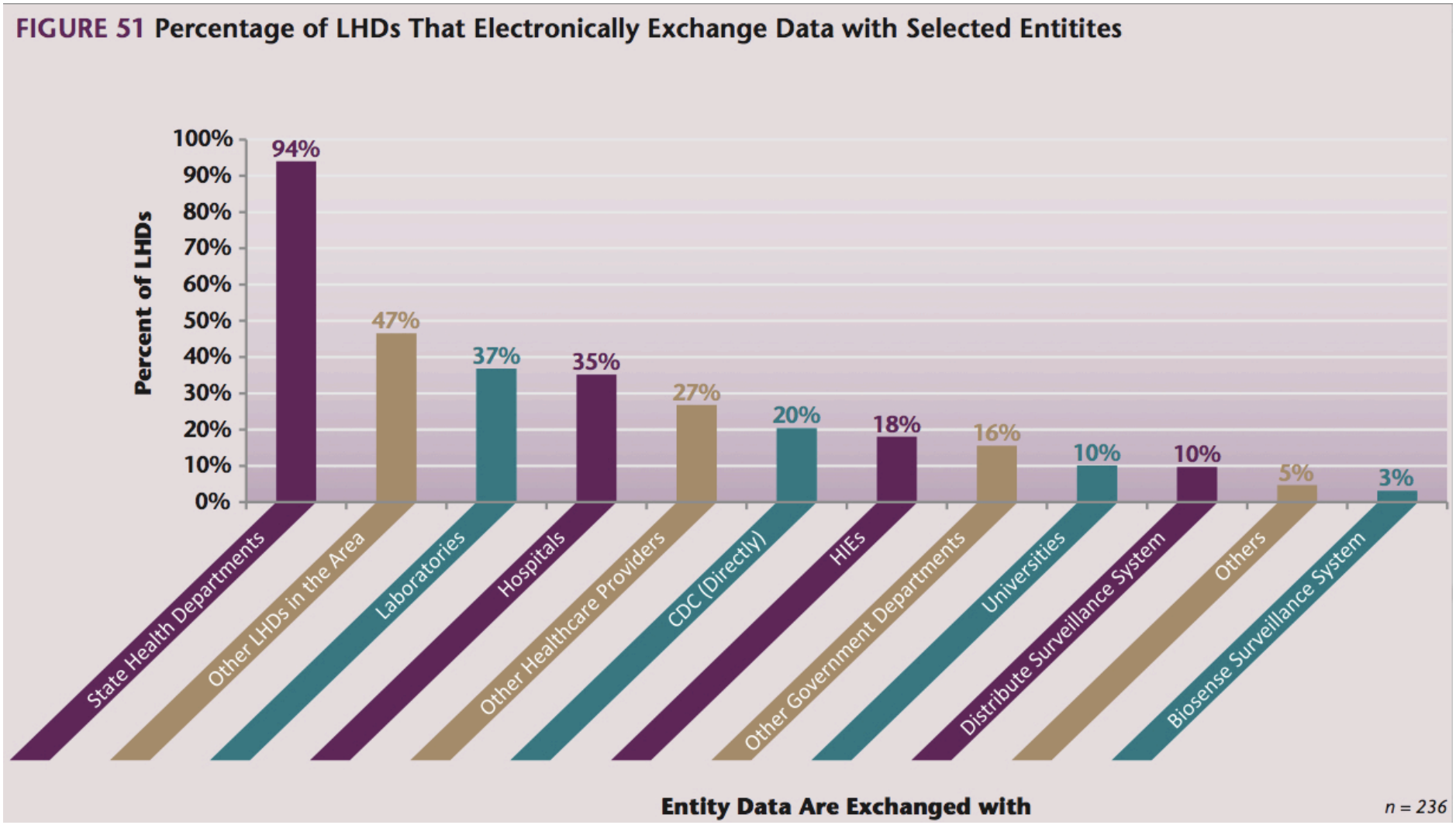


WHAT IS A HEALTH INFORMATION EXCHANGE?

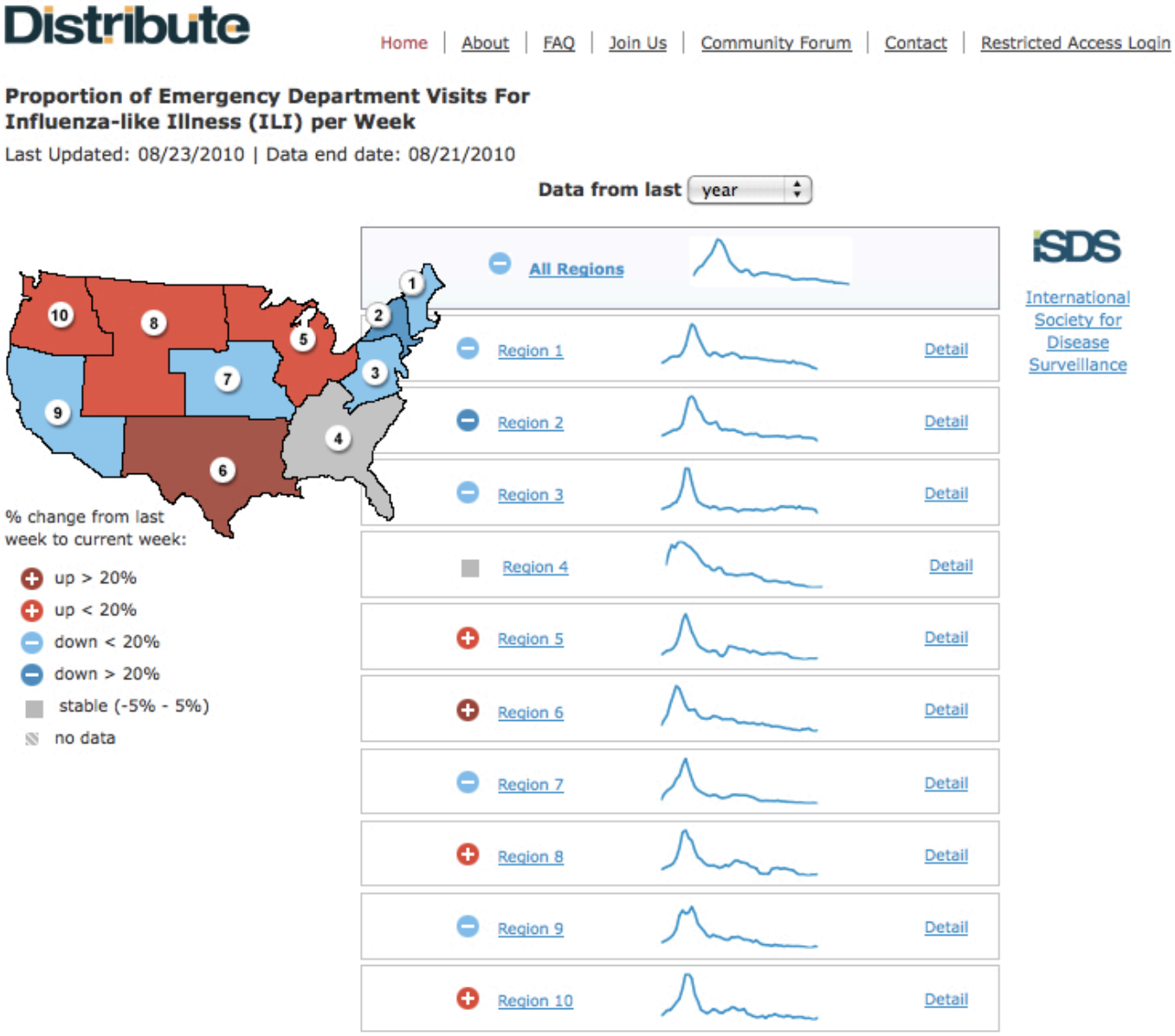
A health information exchange (HIE) is a secure data service that utilizes data standards to enable the electronic transfer of clinical information among health care facilities.



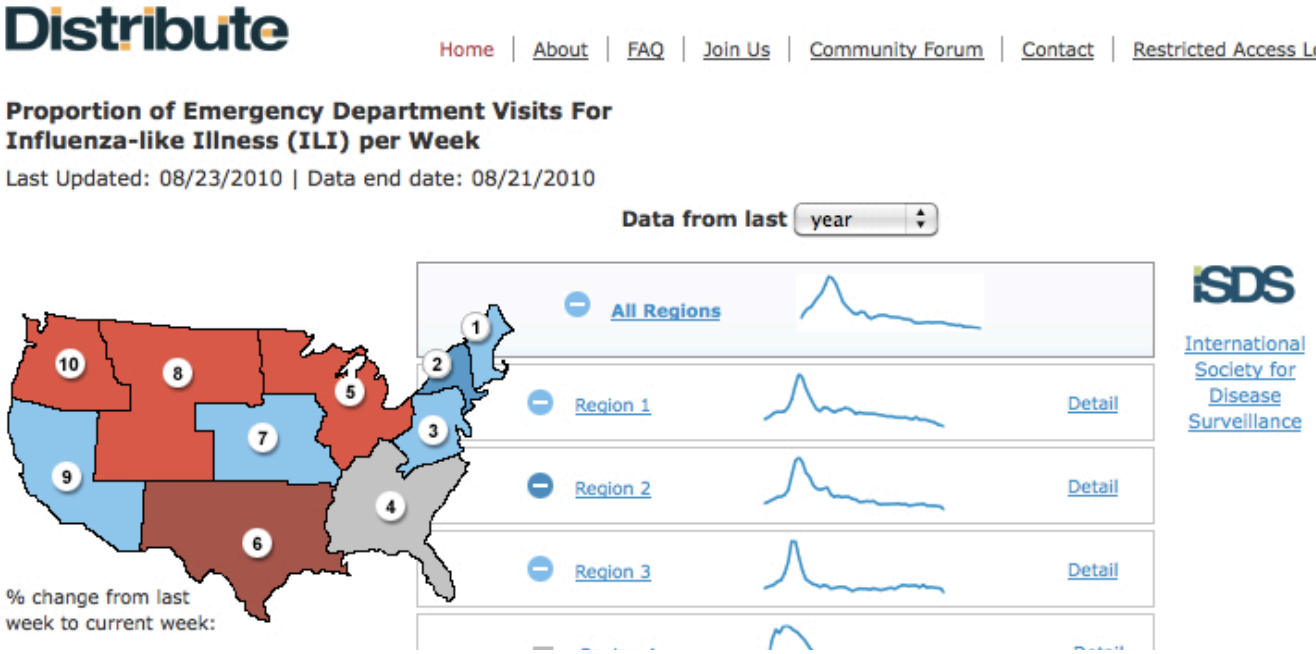
2009 eHealth Initiative HIE Survey



2010 NACCHO Informatics Needs Assessment



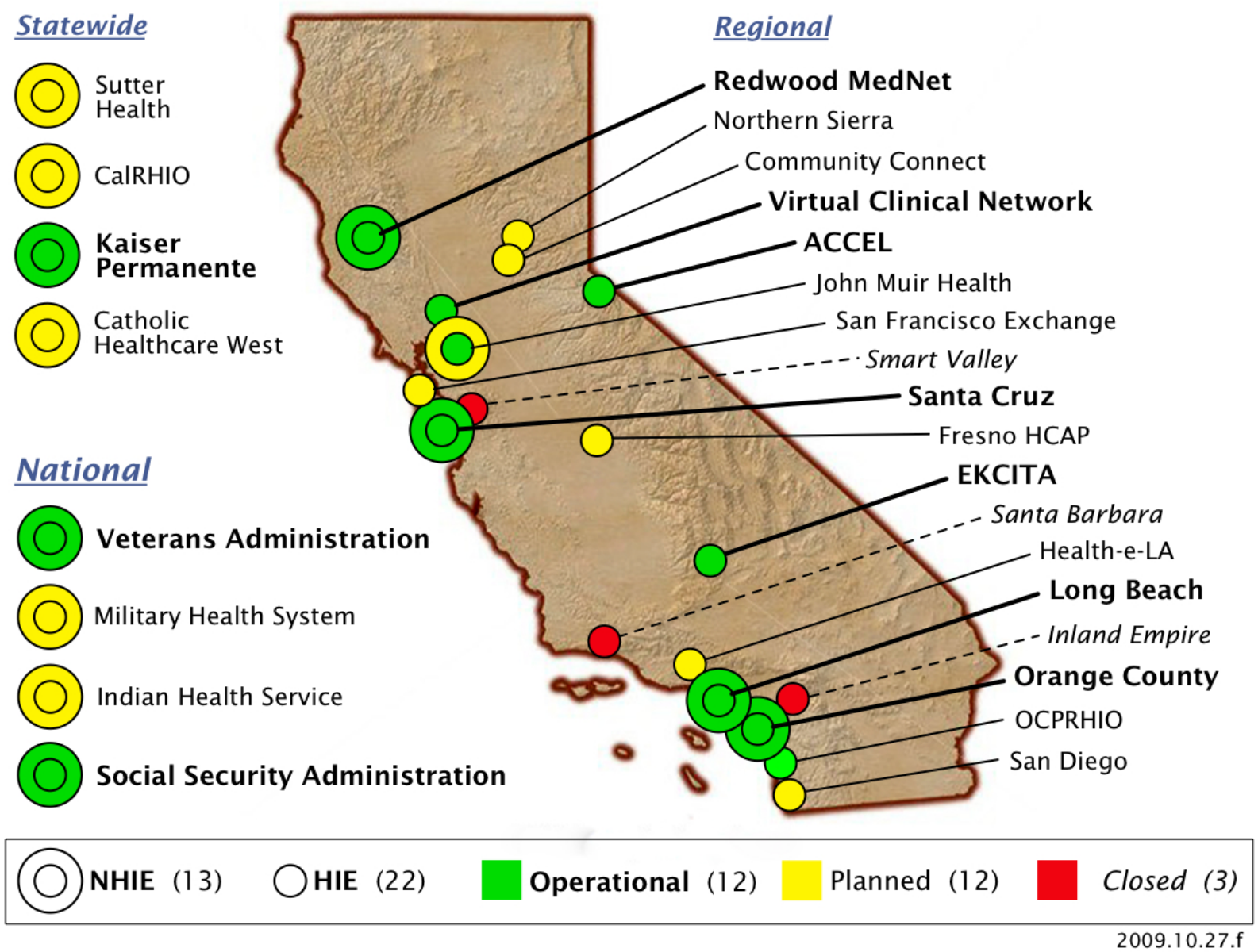
www.isdsdistribute.org



Project Participants

Arkansas, Arizona, Connecticut, Florida, Georgia, Indiana, Massachusetts, Maine, Minnesota, Missouri, North Carolina, North Dakota, Nebraska, New Jersey, Ohio, Pennsylvania, Rhode Island, Utah, Virginia, Vermont, Washington [state], Wisconsin, Boston, Denver, New York City, Seattle, Cook County, IL, Eastern Ontario, Hospital A Portland OR, North Central Texas, Oklahoma City County, San Diego County, Tulsa County

www.isdsdistribute.org


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
San Francisco Exchange
Smart Valley
Santa Cruz
Fresno HCAP
EKCITA
Santa Barbara
Health-e-LA
Long Beach
Inland Empire
Orange County
OCPRHIO
San Diego
NHIE (13)
HIE (22)
Operational (12)
Planned (12)
Closed (3)
2009.10.27.f

Startup Capital

$1.2 million

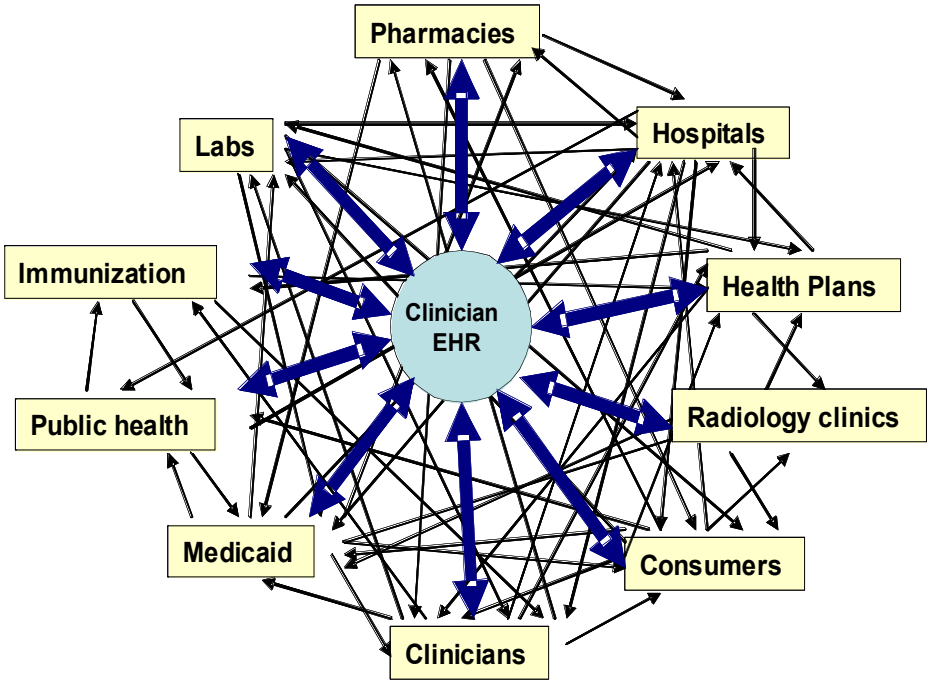
CALIFORNIA HEALTHCARE FOUNDATION

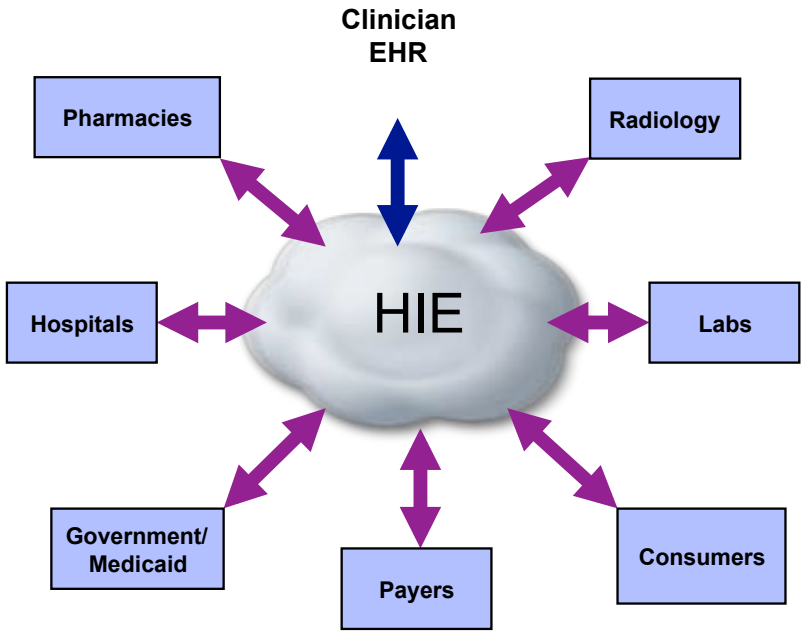
blue shield of california foundation

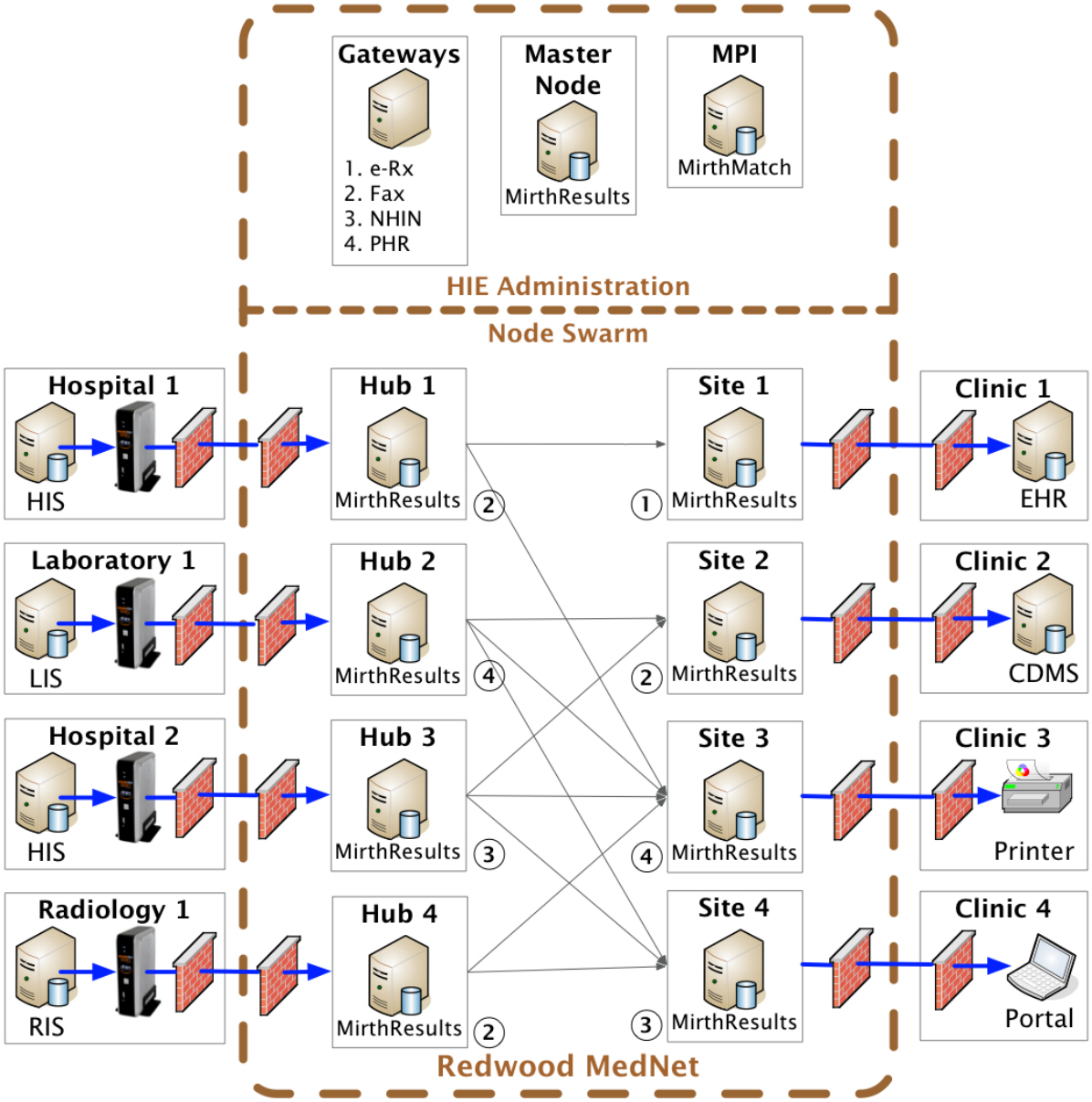
UnitedHealthcare®

PacifiCare®

HIEs are Needed for the Network Effect

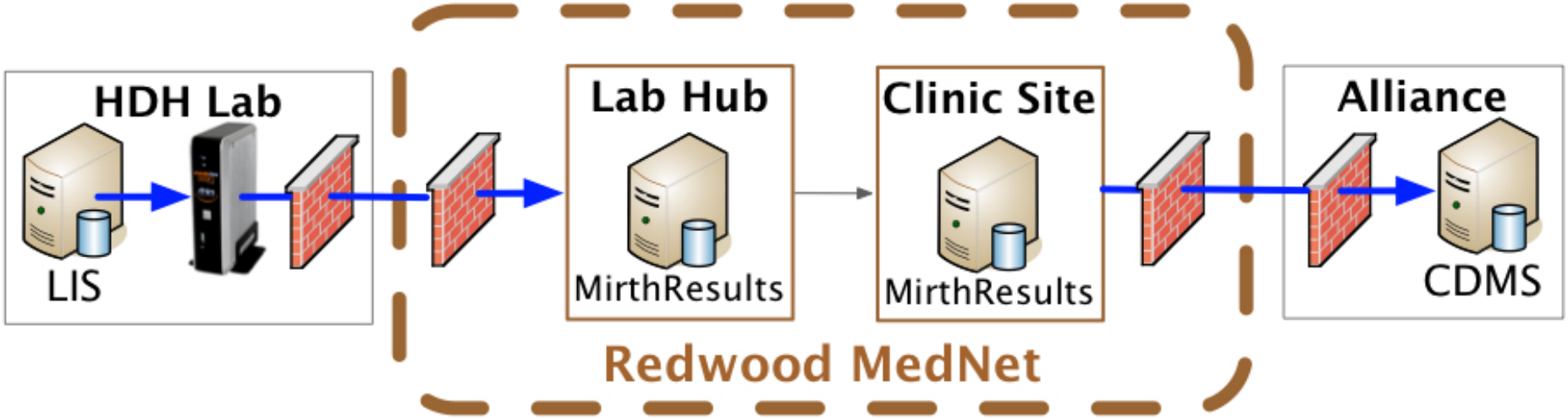





Gateways
1. e-Rx
2. Fax
3. NHIN
4. PHR
Master Node
MirthResults
MPI
MirthMatch
HIE Administration
Node Swarm
Hospital 1
HIS
Hub 1
MirthResults
Site 1
MirthResults
Clinic 1
EHR
Laboratory 1
LIS
Hub 2
MirthResults
Site 2
MirthResults
Clinic 2
CDMS
Hospital 2
HIS
Hub 3
MirthResults
Site 3
MirthResults
Clinic 3
Printer
Radiology 1
RIS
Hub 4
MirthResults
Site 4
MirthResults
Clinic 4
Portal
Redwood MedNet

Redwood MedNet uses open source tools to

transport electronic laboratory test results
from a rural Critical Access Hospital (CAH)
to a Chronic Disease Management System (CDMS)
at a Federally Qualified Health Center (FQHC).



Redwood MedNet June 2010

23,000 inbound laboratory test results

6 sending laboratories

49 separate healthcare providers (MDs, NPs and PAs)

10 separate practices in Mendocino and Sonoma Counties

questions?

Will Ross

707.462.6369

wross@redwoodmednet.org