What is HIE? a Federal and State Perspective

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Health Information Exchange (HIE) Defined

The movement of data between health information systems for the purposes of:





Provider Communication



State Communication

Health Information Exchange (HIE) vs Health Information Organization (HIO)

- Health information exchange describes an action
 - Provider orders a lab test
 - Lab result is delivered to Provider
 - Provider tells the patient the results
- Health information organization describes a business entity that operates the technology that supports the action(s)
 - Coordinates the different systems that collect and send information

Interoperability...

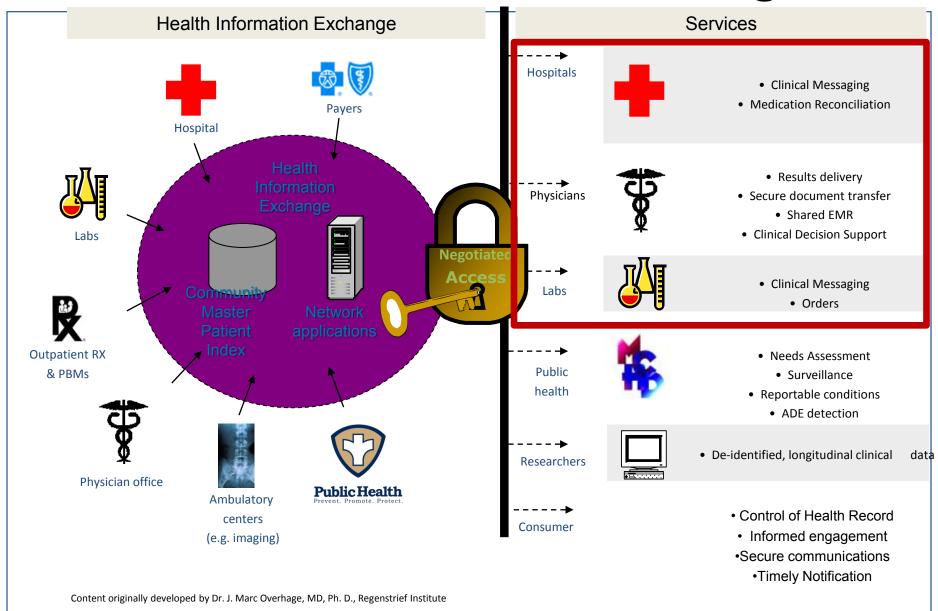
- ...Is the ability of diverse systems and organizations to work together (inter-operate).
- Health Interoperability
 - HIO runs technology and policies to move data
 - HIE moves data on request or per automated rules
 - Providers can concentrate on developing care plans
 - Patients are freed from managing paper records

So... Why is Interoperability Hard?

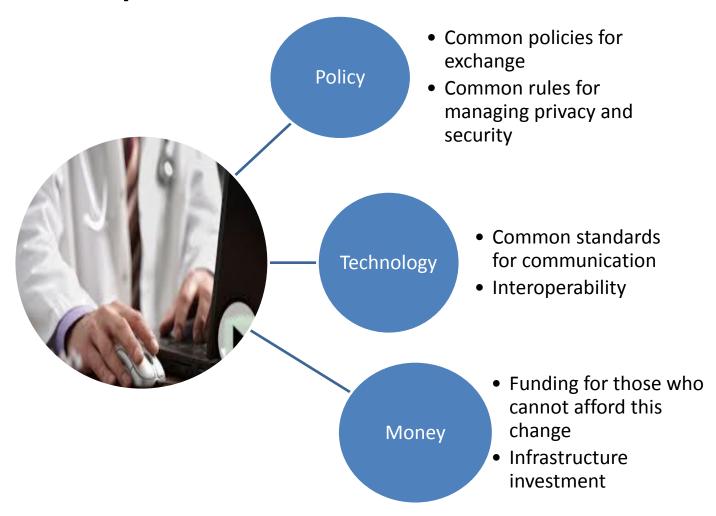
- Healthcare standards are problematic
 - A lot of "options".
- Imagine if your laptop did not plug into the power outlet at the airport, and you needed an adapter for every hotel chain in the world



Health Information Exchange



Health Information Exchange Requirements for California



(Another) Call to Action

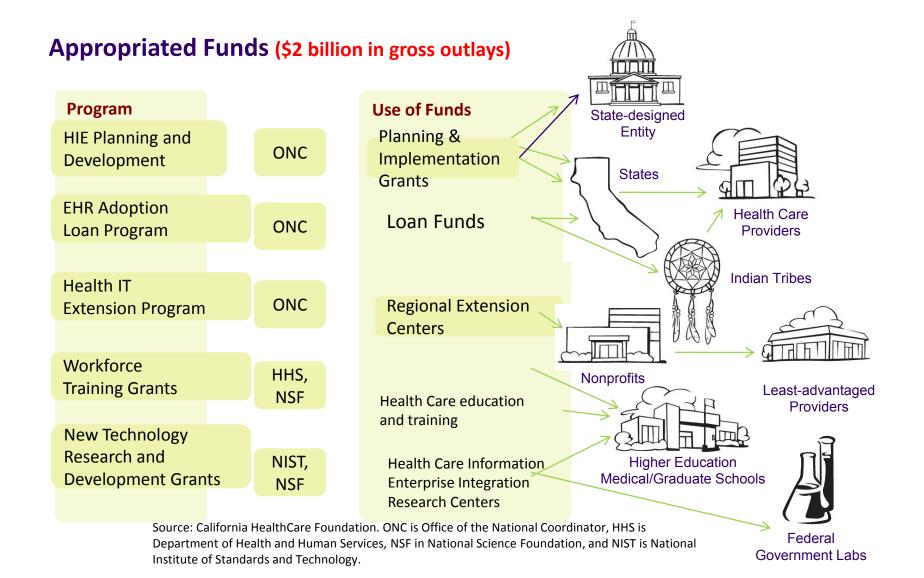


"We'll be on our way to computerizing all of America's medical records, which won't just eliminate inefficiencies, save billions of dollars, and create tens of thousands of jobs — but will save lives by reducing deadly medical errors."

President BarackObamaFebruary 4, 2009

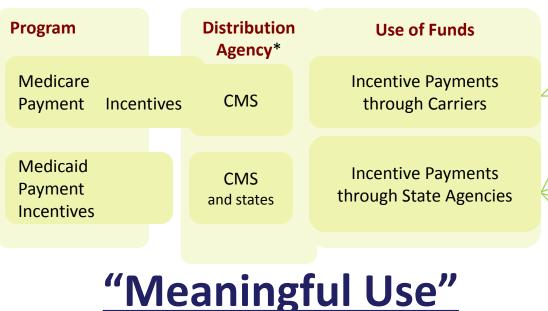
Stimulus Funds from 2009 American Recovery and Reinvestment Act

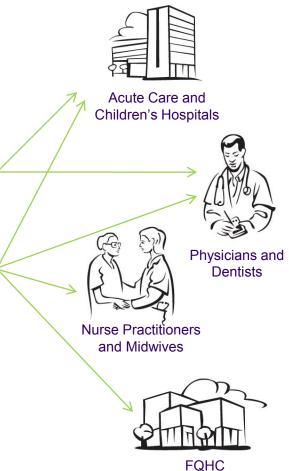
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Funding Flows for – Medicare/Caid

Entitlement Funds (\$34 billion in gross outlays)

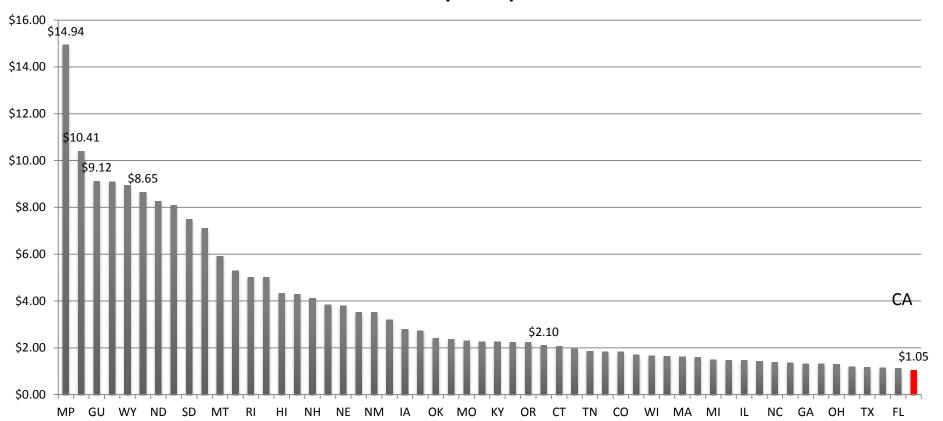




Source: California HealthCare Foundation, 2009 CMS is Center for Medicare and Medicaid Services,

Stimulus \$ for HIE in CA - \$38M

HIE \$ per Capita



Dignity Health Siskiyou **Del Norte** Healthcare Partners Modoc Hill Physicians **Enterprise HIOs** Hoag Health System Huntington Hospital Shasta Lassen **Trinity** John Muir Health Kaiser Permanente Health Connect Marin Health Network **Tehama** Memorial Care Health System **Plumas** San Mateo Medical Center Mendocino **Butte** Yuba projected Glenn Sharp HealthCare Sierra Nevada St. Joseph Health System Colusa Placer Sutter Health **HIO locations** Lake Amador University of California Sutter El Dorado Sacra-Alpine by end of mento Calaveras **Other Hospital Systems** Solano x AHMC Marin · **Tuolumne** x Daughters of Charity Mono Joaquin Contra Costa Mariposa X HCA Santa Stanislaus San Francisco **X** Scripps x Tenet Alameda Clara x Veterans Administration San Mateo Fresno San Inyo **Benito** Santa Cruz CAReHIN Tulare Monterey ConnectHealth **EKCITA** San Luis HealthShare Bay Area Obispo x Kern IEHIE LANES **Community HIOs** San Bernardino Santa XXX Los NCHIN Barbara OCPRHIO | Angeles RAIN Central Coast Redwood MedNet Riverside X Santa Cruz HIE Orange SD Beacon XX San Diego **Imperial** Shasta Health Collaborative *Counties displaying multiple colors Tulare Kings FMC represent coverage by multiple HIEs

No Coverage

Self-

2013

So... Why create HIE for Alameda County?

- Sutter
- Kaiser
- Other Hospitals
- Other Phy Ofc



Securely Sharing Health Information Electronically is

- a matter of life and death
- not really easy (ok, it is hard)
- critical to bringing health care into the 20th century
- happening at every level of care delivery in our County!

FOR FURTHER INFORMATION PLEASE CONTACT:

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