# Working Toward Health Information Exchange For Our Region
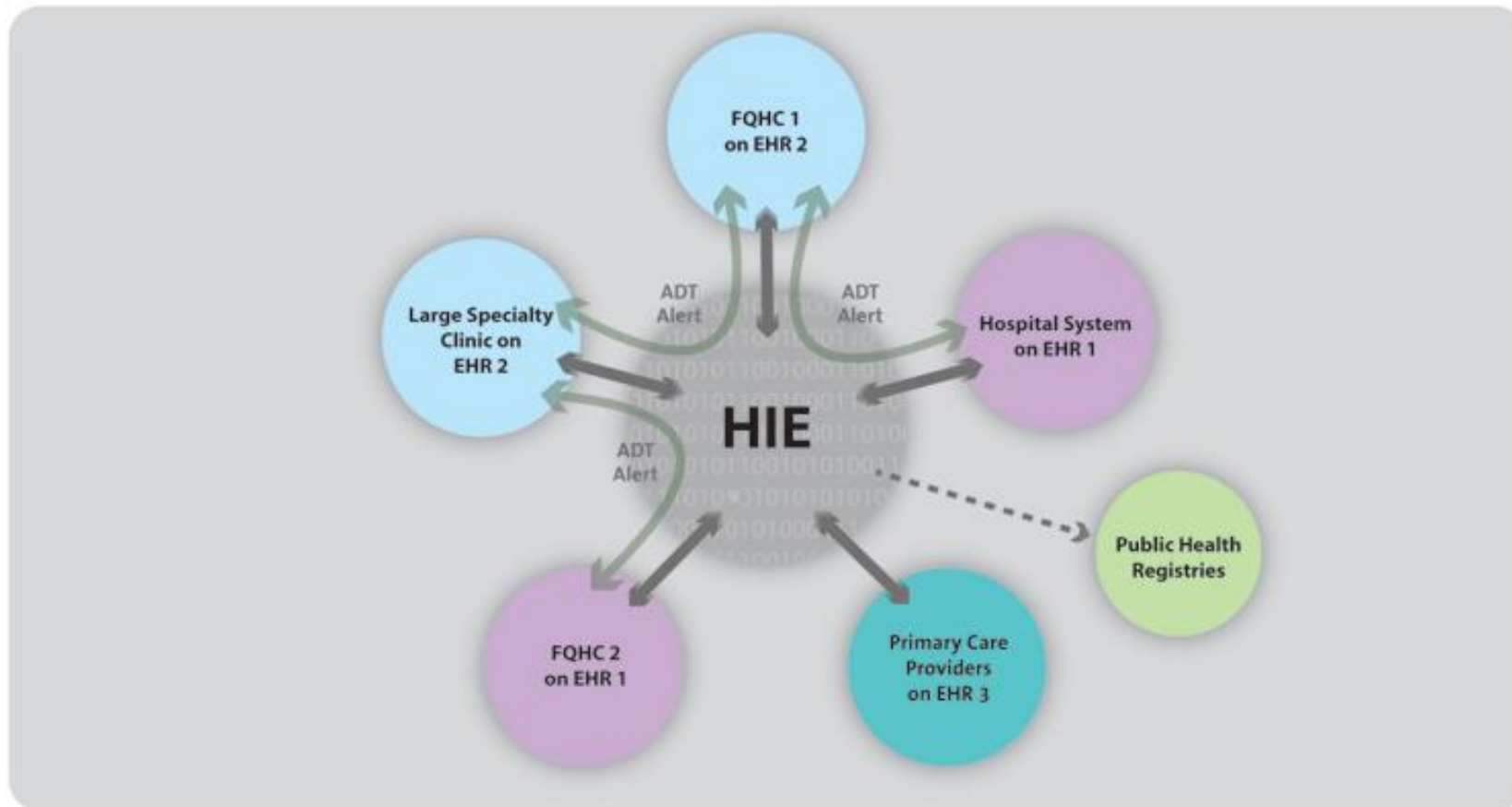
Presentation for:

Sacramento County Medi-Cal Managed Care Advisory Committee

Care Coordination Work Group

May 16, 2017

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# What's a Health Information Exchange?

# Sacramento Health Information Partnership (SHIP)

- California Association of Health Information Exchanges
- Dignity Health
- Kaiser Permanente
- Sutter Health
- UC Davis Health System
- Sacramento Fire Department
- Sacramento Metropolitan Fire District
- Hospital Council of Northern & Central California

# Sacramento Region
# Health Information Exchange
# Planning Group

- California Association of Health Information Exchanges
- California Health Information Partnership & Services Organization
- Capitol Health Network
- Sacramento County Department of Public Health
- Sutter Health IT
- Sutter Independent Physicians Association
- UnitedHealthcare Community Plan of California

# Sacramento Health Information Partnership (SHIP)

- Patterned after Mesa, AZ, nurse triage program



- Process requires interoperability between EMS and providers

# Sacramento Health Information Partnership (SHIP)

MISSION: "Optimizing the integration of health information to promote continuity of care across the health care spectrum."

USE CASE STATEMENT:  "To improve the efficiency, effectiveness and coordination of patient care by enabling emergency medical services, hospitals, and physicians to access and share timely, accurate patient health information, including medical history, care providers, previous encounters, medications, and other pertinent information."

# SHIP GUIDING PRINCIPLES

Exchange as a verb, not a noun.  HIE is using mutually-accepted protocols to actually share patient information and does not have to include an additional technology platform or burdensome governance structure.

Build out the interoperability of existing infrastructure in order to reduce cost and complexity, rather than overlaying a new stand-alone platform or on-boarding to another system.

# SHIP GUIDING PRINCIPLES

<u>Start by solving one clear problem</u>.  Begin sharing patient information in a way that addresses a very definable problem, and then organically apply the practice to additional use cases over time.  Trying to provide every benefit to every potential stakeholder all at once leads to failure.

<u>Start with a limited number of exchange partners, then expand</u>.  In order to solve the initial use case, SHIP must begin as a collaboration of pre-hospital and hospital-based emergency medical service providers.  The cooperation of additional stakeholders can naturally follow from this beginning in a step-wise fashion.  Once mutually-accepted protocols for exchanging information become a natural part of the work flow, partners will want to apply it to additional use cases and partners in a larger geography.

# SHIP GUIDING PRINCIPLES

Connect a network of networks.  Instead of building a closed system that houses the data and requires users to have a direct connection, build an open system accessible to anyone using technology platforms that adhere to nationally-accepted standards.  It's the difference between an intranet for one organization and the Internet which is open to unlimited expansion.

**+EMS**

*Four HIE Functions for EMS:*

**S**earch, **A**lert, **F**ile, **R**econcile

**SAFR**

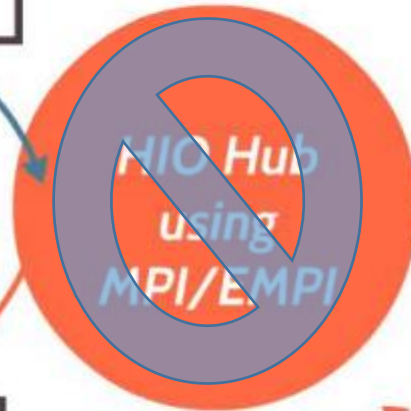| | | | |
|---|---|---|---|
| **S** | **SEARCH:** | PARAMEDICS and EMTs may look up and display patient problem list, medications, allergies, POLST and DNR in field on ePCR screen | Improve clinical decision making<br><br>Improve patient care |
| **A** | **ALERT:** | Display patient Information on hospital dashboard at ED to alert and share incoming patient information to assist in time-sensitive therapies | Improve decision support<br><br>Better transitions of care<br><br>Improve patient care |
| **F** | **FILE:** | Incorporate ePCR data into hospital EHR in HL7 format (using NEMSIS 3.4 CDA standards) | Build better longitudinal patient record |
| **R** | **RECONCILE:** | Receive patient disposition information from hospital EHR to add to EMS provider patient record | Improve population health |

**SEARCH**

Demographics (i.e.):
- Name
- Age
- Address
- Last-4 SSN

EMS ePCR

CCD (limited i.e.):
- Problem list
- Medications
- Allergies
- Advance directives

HIO Hub using MPI/EMPI

Hospitals

Physicians

Labs

X-Ray

Pharmacies

Health Systems

Utilize existing standards

# Sacramento Health
# Information Partnership (SHIP)

# Tentative "Go-Live" Date: 3Q 2017

# Sacramento Region
# Health Information Exchange
# Planning Group

- Working toward a full-spectrum HIE
  - The verb
  - The noun

- Other nearby communities already have HIE
  - San Joaquin County
  - North State Health Connect (12 counties)

- San Diego (the other GMC county) has one

# Sacramento Region
# Health Information Exchange
# Planning Group

- First joint meeting of SHIP leadership and Sac Region HIE Planning Group, plus the GMC health plans, December 15, 2016, at CHN

- First combined stakeholder meeting at Metro Fire headquarters March 23, 2017

- Agreed to keep SHIP sailing along and to collaborate on technology aspects of planning

# Sacramento Region
# Health Information Exchange
# Planning Group

- HIE Planning Group currently gathering input from stakeholder groups regarding desired functionality

- Next joint meeting of the leadership groups in late May or early June to discuss stakeholder input

- Once SHIP has launched, begin working to expand interoperability and functionality

# Meanwhile…

- The marketplace forces have begun to push vendors toward interoperability

- Major health systems are not going to customize solutions to multiple HIE platforms

- Others providers beginning to demand interoperability from their technology vendors

- Current HIE providers merging

- Standards versus brands

# And eventually…

- We will need <u>both</u> the **verb** and the **noun**

- Population health management

- Public health planning

- Health outcome improvement

- Health cost containment

- Meaningful Use

- Accountable Care Organization