

# California's Immunization Gateway Portal: Fulfilling business needs by simplifying interoperability

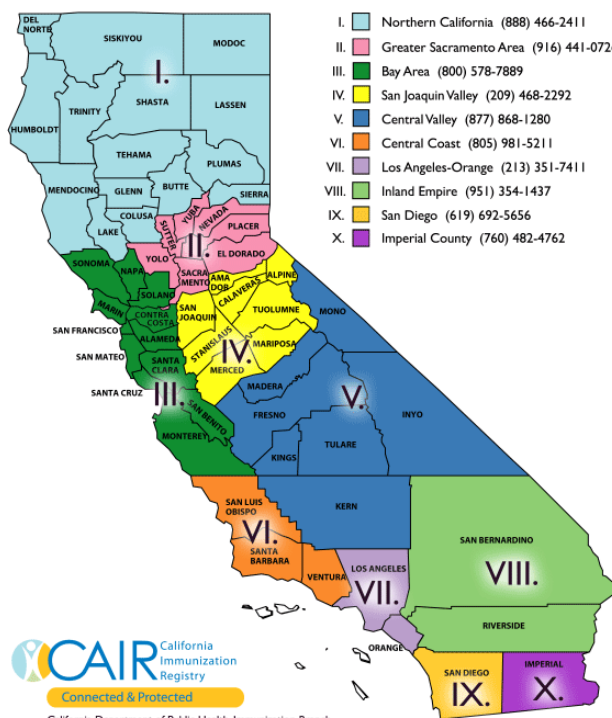
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# Registry Highlights

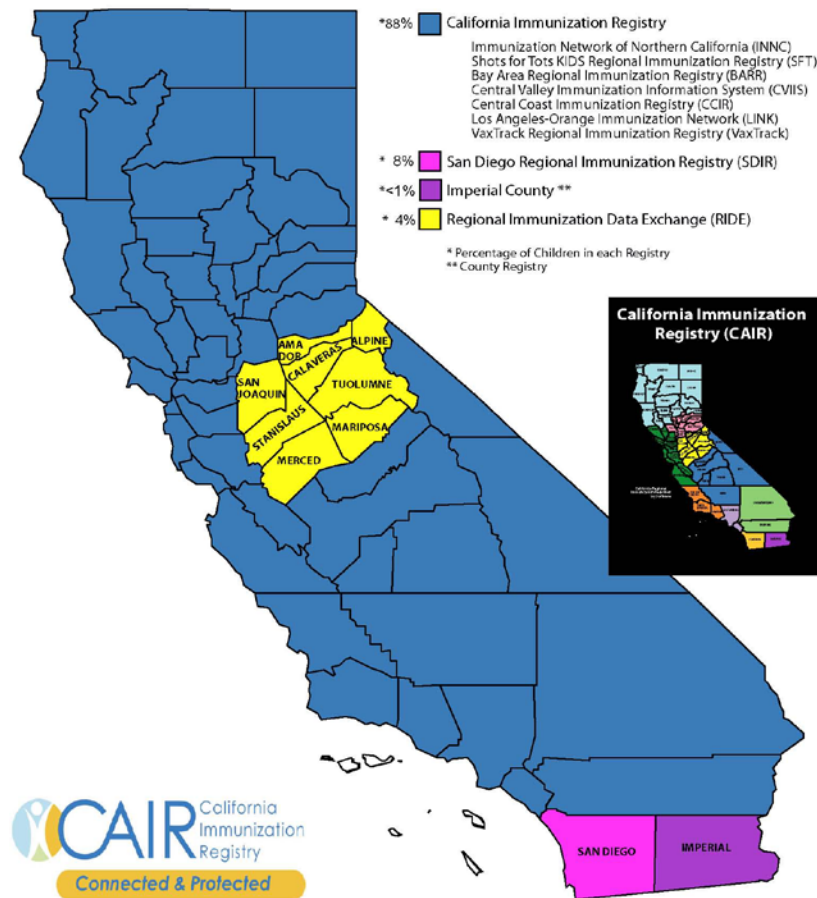
## California Immunization Registry (CAIR)



APRIL 2008

# The California Immunization Registry System (CAIR)

- Consortium of all 10 regional registries – no current data linkage
- 7 regions use same 'CAIR' software (87% of population)
- The '7' registries are managed by CDPH contract staff



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June 2009

# Why CAIR needed a Gateway

- Anitquated software
- Does not natively accept HL7
- No method of accepting messages
- No automated registration process
- No tools to help in onboarding new submitters

# CAIR – Immunization Gateway (Circa Summer 2012)

- Funded by cooperative agreement between CHHS and IPHI/UC Davis
- Web portal will automate much of the MU process by assisting providers in 7 regions to:
  - Enroll in CAIR and receive IDs, passwords
  - Upload test messages for validation & MU attestation
  - Upload patient data (ongoing submission)
  - SOAP transport
- Will be completed by end of April 2013
- Will become state portal for public health reporting

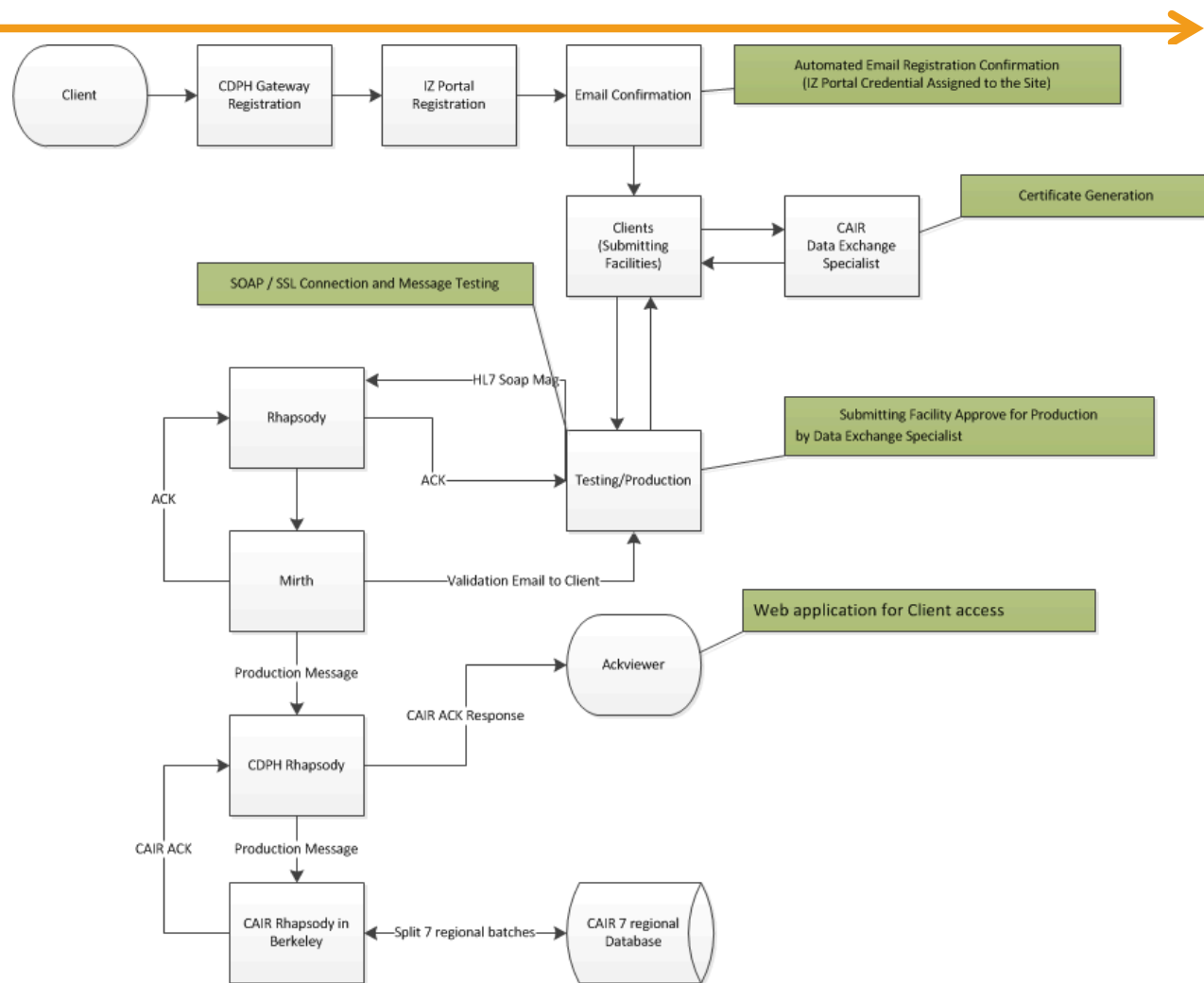


# CAIR – Immunization Gateway

- Funded by cooperative agreement between CHHS and CHeQ/UC Davis
- Web portal automates much of the MU process by assisting providers in 7 regions to:
  - Enroll in CAIR and receive IDs, passwords
  - Upload test messages for validation & MU attestation based on NIST and the California HL7 Implementation Guide
  - Upload patient data (ongoing submission)
  - SOAP transport
- Launched Live August 2013



# CAIR – Immunization Gateway



# CAIR – Immunization Gateway

- January 2013, Scientific Technologies Corporation (STC) kicked off project to build Gateway
- Demanding Timeline
- Defining Requirements
- Collaboration was key in success



# CAIR – Immunization Gateway

- Software acceptance from STC
  - Self Service Registration
    - Defined Use of Gateway
    - Contact Details
  - Administrative Users could monitor registrant activity
    - View message submissions and history
  - Message Validation
    - NIST
    - California HL7 Implementation Guide



# CAIR – Immunization Gateway

- Results of Implementation

- Reduced errors in registration
- Onboarding became more efficient due to automated validation of HL7 messages
- Increased amount of providers onboarding
- Reduced time from registration to production
- Compatible with our future IIS, as well as a code base that could be shared with other entities due to the use of MVC (Model View Control).

# CAIR Immunization Gateway Numbers as of April 2015

Testing	Production		
Direct Submission	1199	1108	91
Submits via HIE	3732	817	2915
Total Data Owners	4931	1925	3006
HIEs	196		
Production Messages Received:	13,371,292	98	98
Total Registrants	5127		



Thank you!

