

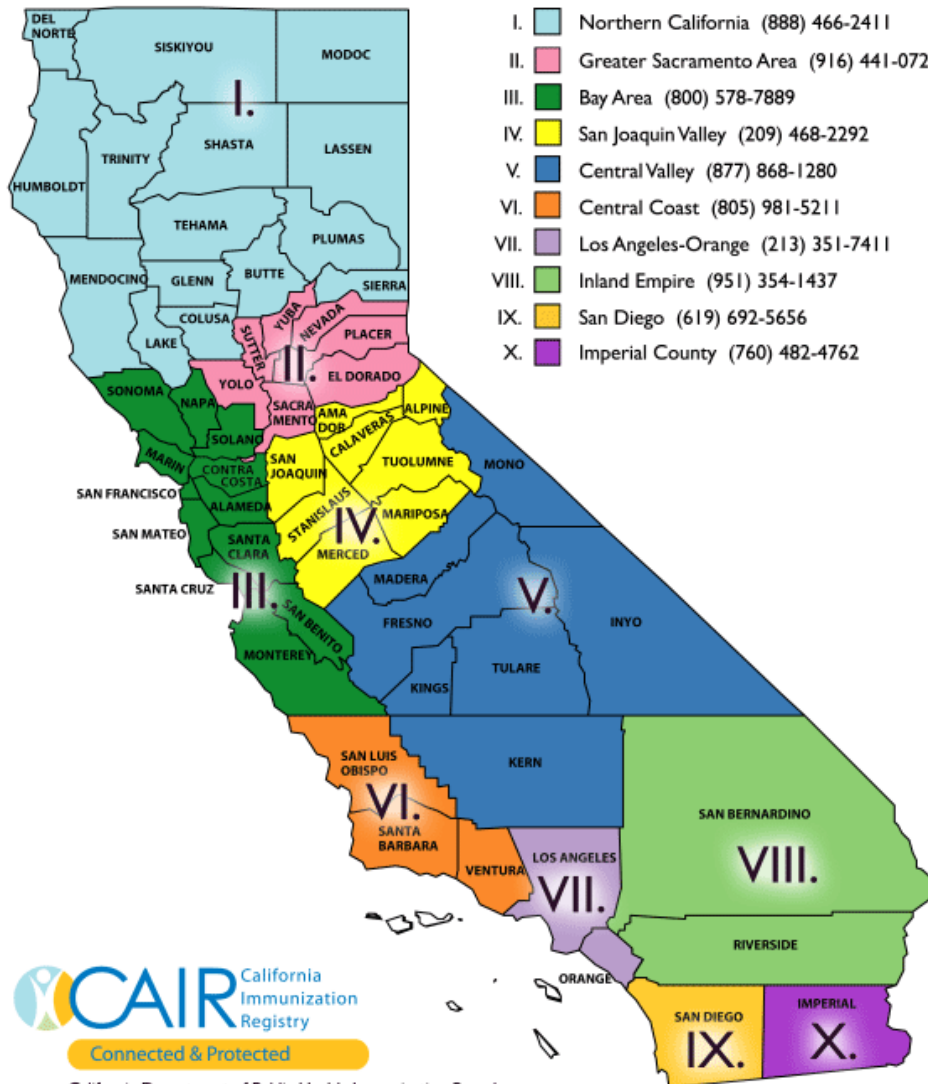


The California Immunization Registry (CAIR): Role in the 2009-2010 'H1N1' Influenza Response

Steve Nickell, Ph.D., Acting Chief
Registry and Assessment Section
Immunization Branch,
California Department of Public Health
C.I.C. Meeting - May 4, 2010



California Immunization Registry (CAIR)



California Department of Public Health, Immunization Branch
 850 Marina Bay Parkway, Building P, 2nd Floor, Richmond, CA 94804
www.ca-sils.org (510) 620-3737



APRIL 2008

CAIR Vision, Mission and Goals

Vision: Any authorized user anywhere in the state of California can immediately obtain comprehensive immunization information on any California child.

Mission: CAIR is a collaboration of immunization registries that ensures the secure, electronic exchange of immunization records to support the elimination of vaccine preventable diseases.

Goal: CAIR is working to develop an integrated, secure, readily-accessible statewide network of computerized immunization information systems to make each child's full immunization history available to providers and other authorized users, such as schools, foster care, and juvenile detention centers. The system will ensure that users have rapid access to complete and up-to-date immunization records, as well as expert vaccine forecasting. A major objective is to eliminate both missed opportunities to immunize and unnecessary duplicate immunizations.



CAIR/IIS Features

- Consolidates immunizations into a single record
- Assists providers in determining immunizations due
- Manages vaccine inventory
- Assists providers to do patient reminder/recall
- Generates a variety of reports

2009 Influenza A (H1N1) Timeline

- Spring 2009
 - April 2009– first 2 human H1N1 influenza cases detected in San Diego and Imperial counties.
 - April-July 2009 – 5,514 hospitalized and 353 deaths due to H1N1 nationwide
- Summer 2009
 - Feds contract with several manufacturers to produce monovalent H1N1 vaccine for fall delivery

2009 Influenza A (H1N1) Timeline

- Late Summer/Early Fall 2009
 - H1N1 vaccine and accessories would be distributed free-of-charge to qualified medical care providers
 - Distribution to providers would be managed through State Immunization Projects (SIPs) using single shipper
 - McKesson
 - States began gearing up for 'double' flu season
 - H1N1 vaccines was approved by FDA and shipments began

CA H1N1 Vaccine Response Plan: Minimal Requirements

Need an efficient means to:

- **Register and validate potential immunizers**
 - >4,000 VFC providers already enrolled - likely need to enroll and validate additional 10-15,000 non-VFC providers/ organizations
- **Process vaccine orders**
 - Single national shipper
 - Only 9,000 CA ship-to sites allowed
 - 100 doses minimum orders
- **Track doses administered – CDC requirement**



Role for CAIR in the CA H1N1 Vaccine Response?

- **Strengths**

- Already used to track doses administered
- Online, so accessible to multiple users simultaneously
- H1N1 vaccines and algorithms were included, so allowed recording of H1N1 vaccinations as well as 2nd dose scheduling

- **Limitation**

- Not all CA providers enrolled/using CAIR
 - 54% of VFC providers
 - ? % of non-VFC providers

CA 'H1N1' Vaccine Response Plan

- Participation was managed through web application developed in-house and hosted at www.calpanflu.org:
 - Registration
 - Vaccine requests
 - Doses administered reporting
- Doses Administered reporting – providers asked to choose one of two options:
 - 1) Enter doses into CAIR

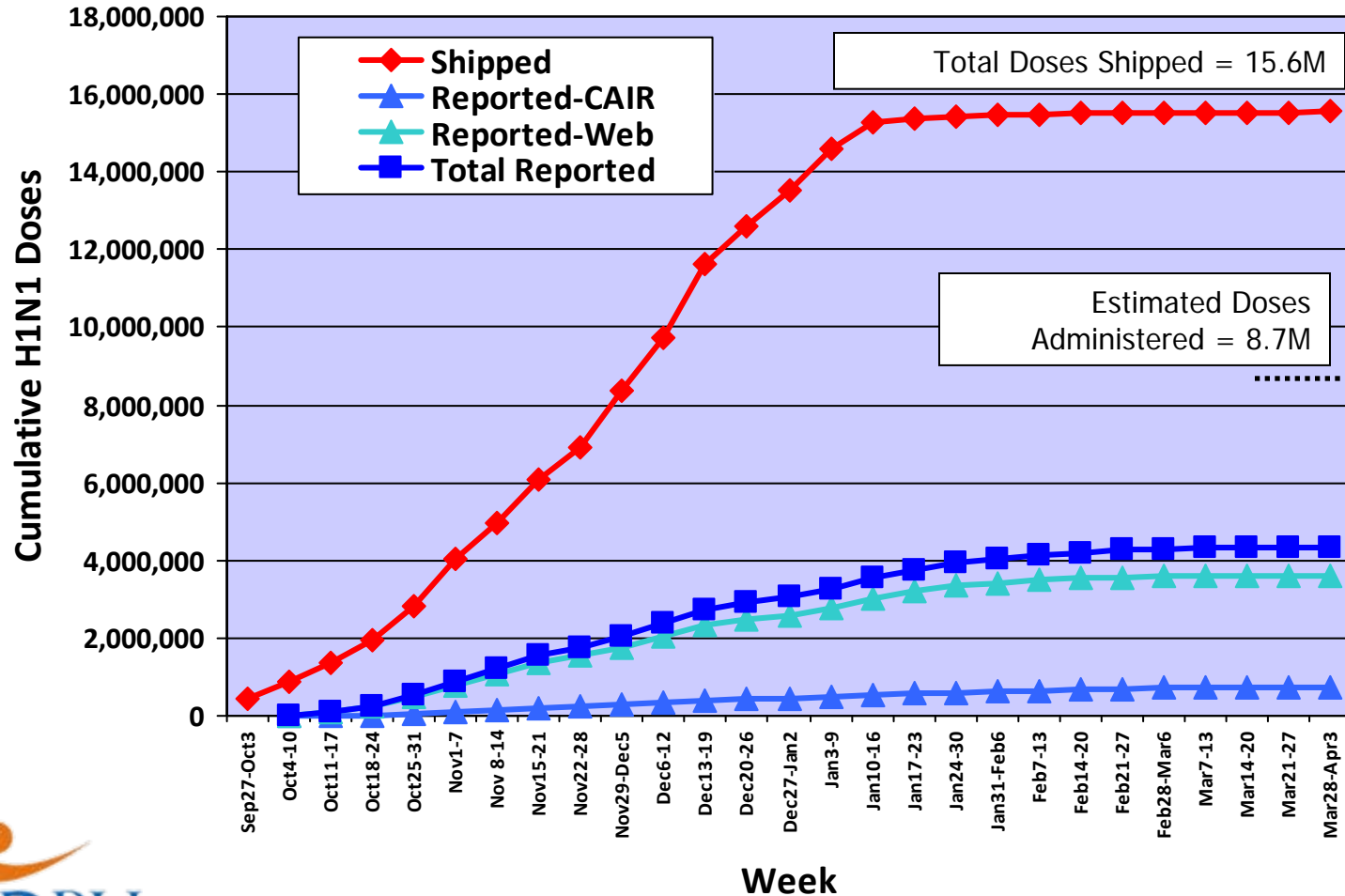
OR

 - 2) Track doses using tally sheet and report weekly to www.calpanflu.org

'H1N1' Vaccine Doses Administered Reporting to CDC

- Used CDC's Countermeasures and Response Administration (CRA) electronic reporting system
 - All of CA minus LA county
 - LA county
- Weekly CDC report combined:
 - CAIR H1N1 doses with a 'date administered' corresponding to the reporting week
 - Doses reported at www.calpanflu.org during the reporting week

Cumulative 'H1N1' Vaccine Doses Shipped and Reported Doses Administered by Week, 2009-2010



CA 'H1N1' Vaccine Doses Administered Reported, 2009-2010

Group	CAIR Registry*	Calpanflu Website#	Total
# of Providers Who Received ≥ 1 H1N1 vaccine			11,669
# of Providers Reporting H1N1 Doses Administered (%)	1,889	6,523	8,412 (72.1%)
% of Providers Reporting	22.5%	75.5%	100%
Total Doses Reported	1,354,945	3,590,762	4,945,707
% of Reported Doses	27.4%	73.6%	100%
Average Doses Reported/Provider	717	550	587
Weekly Reports Submitted		53,437	
Average # of Weekly Reports Submitted/Provider		8.2	

* through April 20, 2010

through March 6, 2010

CAIR Preparedness Future Enhancements

- Mass vax data entry screen to facilitate rapid data entry
- ‘Bridging’/consolidation of regional databases to allow searches across state
- Bioterrorism/EP module
- Increase #s of provider and patients participating in order to enhance value during emergency

Contact Info

Steve Nickell, PhD
Acting Chief, Registry & Assessment Section
Immunization Branch
CA Dept of Public Health
850 Marina Bay Parkway
Richmond CA 94804
510-620-3780
steve.nickell@cdph.ca.gov

