



CAIR2

*California Immunization Registry*

# CAIR2 User Group Meeting

July 26, 2018



# Agenda

## Welcome

- Welcome new members
  - Co-Chair: Cecilia Sandoval, Chief, CAIR Provider Support Unit
  - Co-Chair: Michele Barkus, PHA
  - Moderator: Amy Pine, Immunization Coordinator, CIC Board member

## July 26<sup>th</sup> Meeting Notes

- Approve?

## Prioritization of Improvements/Enhancements (Survey Monkey)

- Review ranking and expectations

## Double Data Entry

- Discuss possible solutions

## Managing Patients (Demo)

## Open Forum

- Questions

## Adjourn

Next meeting: Thursday, August 23<sup>rd</sup> at 1:30 pm

# Meeting Minutes 6/28

- Edits or modifications
- Questions
- Approve?

# Prioritization of Improvements/Enhancements

## \* 1. Update Inventory accordingly when vaccine charted in EHR

	No Benefit	Modest Benefit	Significant Benefit
User Experience	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Clinical Impact/Patient Care	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improves Data Quality and Promotes Usage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Comments

# Prioritization of Improvements/Enhancements

\* 9. Relationship between CAIR1 patient ID numbers and CAIR2, this would allow for accurate patient records and eliminate duplications

	No Benefit	Modest Benefit	Significant Benefit
User Experience	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Clinical Impact/Patient Care	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improves Data Quality and Promotes Usage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Comments

# Prioritization of Improvements/Enhancements

## \* 31. Require VCF providers to use CAIR2

	No Benefit	Modest Benefit	Significant Benefit
User Experience	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Clinical Impact/Patient Care	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improves Data Quality and Promotes Usage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Comments

# Double Data Entry

1. **EHR does not send doses quickly enough so clinic is entering doses manually so patient can leave with an updated ‘Yellow Card’.**

**Solution:** Print an immunization history report directly from your EHR rather than a ‘Yellow Card’ from CAIR2. An EHR immunization history report is acceptable for enrollment in California schools.

# Double Data Entry

2. EHR is not sending 'historical' doses so staff enter them manually into CAIR2 so the record is complete.

**Solution:** Ask your vendor to set up your EHR to send **complete patient histories** each time you enter a new dose. That way all the vaccine doses that are in your EHR (including 'historical') will be sent to CAIR2. Several EHR senders are now doing this.



# Double Data Entry

## 3. EHR connection is not working at all or inconsistently working.

**Solution:** Monitor your EHR submissions, either in your own EHR, or in CAIR2 using the '**Check Status**' screen. Regularly checking your clinic's data exchange activity helps determine if there are connectivity issues and also ensures that your EHR continues to submit quality data to CAIR2. For instruction on how to use CAIR2's 'Check Status' screen, see this [video](#) or [Quick Guide](#). Contact the DX Team ([CAIRDataExchange@cdph.ca.gov](mailto:CAIRDataExchange@cdph.ca.gov)) for assistance if you discover that your EHR is not sending doses properly.

# Double Data Entry

4. **EHR is sending doses but some are not being added to the patient record.**

**Solution:** If you know that your EHR is connected and successfully submitting doses, a likely explanation is that some of your patients have **duplicate records** in CAIR2 and CAIR2 will not allow new doses for such a patient to be added. If you find duplicate patients in CAIR2, report them to the CAIR Help Desk ([CAIRHelpDesk@cdph.ca.gov](mailto:CAIRHelpDesk@cdph.ca.gov)) so they can be merged.

If your clinic is manually entering doses for this reason, you should reconsider as the frequency of duplicates in CAIR2 is actually quite low - less than 1 in 50 patients (<2%) - so that the extra staff time spent manually entering doses into CAIR2 is largely wasted, given that 98% of the doses submitted by your EHR will be successfully added to the CAIR2 patient record.

# Managing Patients -Demo

CAIR2

PRD 2.4

home manage access/account forms related links logout help desk

organization California Immunization Program • user Cecilia Sandoval • role CAIR Regular User

announcements:

**NEW** 02/27/2018 ~ [CAIR Unscheduled Maintenance](#)

release notes:

**NEW** 04/10/2018 ~ [Release Version 2.4.0](#) California Immunization Registry  
[more release notes](#)

Patients  
manage patient  
enter new patient  
Immunizations  
patient search

- Manage patient –
- Enter new patient –
- Patient search -

# Manage Patients - Demo

- Manage patient
  - Allows you to search for a patient
  - Once patient found, it takes you to the update patient screen

# Manage Patients - Demo

organization California Immunization Program • user Cecilia Sandoval • role CAIR Power User

## Update Patient

Personal Information		Save		
* Last Name	<input type="text" value="SCOTT"/>	* Gender	Female <input type="button" value="v"/>	History/Recommend
* First Name	<input type="text" value="CHERYL"/>	Medi-Cal ID	<input type="text"/>	Reports
Middle Name	<input type="text"/>	Birth Order	<input type="text"/> (for multiple births)	Cancel
Suffix	<input type="button" value="v"/>	Birth Country	UNITED STATES <input type="button" value="v"/>	
* Birth Date	<input type="text" value="12/08/2008"/> <input type="button" value="calendar"/>	Birth State	<input type="button" value="v"/>	
Mother's Maiden Last	<input type="text"/>	Birth County	<input type="button" value="v"/>	
Mother's First Name	<input type="text" value="WANDA"/>	Medical Record Number	12345	

Last Updated by California Immunization Program on 07/25/2018

- Patient AKA (0)
- Organization Information
- Patient Information
- Address Information
- Responsible Persons (0)
- Patient Comments (0)
- Patient Notes (0)
- Lock Record/Purge Immunizations

# Manage Patients – Demo

- Enter new patient
  - Allows you to enter the new patient directly
  - Any possible duplicates will be identified
  - Can override any potential duplicates

# Manage Patients - Demo

organization California Immunization Program • user Cecilia Sandoval • role CAIR Power User

## Add Patient

### Personal Information

* Last Name	<input type="text"/>	* Gender	<input type="text"/>
* First Name	<input type="text"/>	Medi-Cal ID	<input type="text"/>
Middle Name	<input type="text"/>	Birth Order	<input type="text"/> (for multiple births)
Suffix	<input type="text"/>	Birth Country	UNITED STATES
* Birth Date	<input type="text"/>	Birth State	<input type="text"/>
Mother's Maiden Last	<input type="text"/>	Birth County	<input type="text"/>
Mother's First Name	<input type="text"/>	Medical Record Number	<input type="text"/>

Save  
History/Recommend  
Add Next  
Cancel

### Patient AKA (0)

### Organization Information

### Patient Information

[\[back to top\]](#)

#### Race (select all that apply)

- American Indian or Alaska Native
- Asian
- Native Hawaiian or Other Pacific Islander
- Black or African-American
- White
- Other Race

Ethnicity

Legacy CAIR ID

CAIR ID

School

Occupation

Language Spoken ENGLISH

#### Patient Disclosure:

Has Patient been Disclosed (IZ/TB)? Yes

Disclosed Date: 07/25/2018

Disclosed By: DOH

#### Patient Sharing:

Sharing Status? Yes

Effective Date: 07/25/2018

Updated By: DOH

organization California Immunization Program • user Cecilia Sandoval • role CAIR Power User

### Patient Match Detected

Based on the information you entered, the system has determined the patient may already exist in CAIR. Please review the demographic information for the patient below and if it does not appear to be your patient, you may then click the **Create New Patient** button.

Please keep in mind that if you choose to ignore a patient match and create a new record, that patient will have two records in CAIR, neither of which will be complete and accurate!

Create New Patient

Possible Patient Matches: 1

Last Name	First Name	Birth Date	Primary Medical Record Number	Mother's First Name	Gender	Status
<a href="#">SCOTT</a>	CHERYL	12/08/2008	12345	WANDA	F	A

# Manage Patients – Demo

- Patient Search
  - Allows you to search for a patient
  - Once patient found, it takes you to the immunization history screen
  - Bypass the update screen when managing patient



# Manage Patient - Demo

CAIR2

PRD 2.3.3.3

**Patients**

manage patient  
enter new patient

**Immunizations**

patient search

**Reports**

reminder / recall  
check reminder status  
check reminder list  
manage custom letters  
cocasa extract  
check request status  
vaccine eligibility  
check vaccine elig status  
group patients  
check group status  
assessment report  
benchmark report  
check benchmark  
ad hoc list report  
ad hoc count report  
ad hoc report status  
accountability report  
request  
check vaccine  
accountability  
state supplied flu report  
state supplied vaccine  
report

**Inventory**

manage inventory  
manage transfers  
doses administered  
inventory count list

**Mass Vaccination**

patient quick entry

home manage access/account forms related links logout help desk

organization California Immunization Program • user Cecilia Sandoval • role CAIR Power User

**Patient Information**

Patient Name (First - MI - Last)	DOB	Gender	Tracking Schedule	Medical Record Number	CAIR ID
CHERYL SCOTT	12/08/2008	F	ACIP	12345	3293822
Address	CA				
Home Phone/Cell Phone	/				
Comments					

**Current Age: 9 years, 7 months, 17 days**  
**Patient Notes (0)** [view or update notes](#)

[Immunization History](#) [TB Test History](#)

Add New Imms Add Historical Imms Edit Patient Reports Print Record Print Confidential Record

**Immunization Record**

Vaccine Group	Date Admin	Series	Vaccine [Trade Name]	Dose	Owmed?	Reaction	Hist?	Edit
DTP/aP	<a href="#">06/08/2010</a>	1 of 4	DTP		No		Yes	
	<a href="#">02/25/2012</a>	2 of 4	DTaP		No		Yes	
	<a href="#">06/20/2012</a>	3 of 4	DTaP		No		Yes	
	<a href="#">10/14/2014</a>	4 of 4	Tdap		No		Yes	
	<a href="#">09/01/2015</a>		DTaP		No		Yes	
	<a href="#">09/23/2015</a>		DTaP-IPV	Full	No			
	<a href="#">10/14/2015</a>		Tdap		No		Yes	
	<a href="#">11/03/2015</a>		DTaP-HepB-IPV		No		Yes	
	<a href="#">11/05/2015</a>		DTaP-IPV/Hib		No		Yes	
	<a href="#">11/12/2015</a>		Td (adult), NOS		No		Yes	
	<a href="#">11/13/2015</a>		Tdap		No		Yes	
HepA	<a href="#">11/07/2015</a>	1 of 2	HepA-HepB		No		Yes	
	<a href="#">07/08/2018</a>	2 of 2	HepA, NOS [HepA, NOS @]				Yes	



# Questions?

**Next Meeting:  
August 23, 2018  
1:30 pm**