



2019 Communicable Disease Section Annual Update San Bernardino

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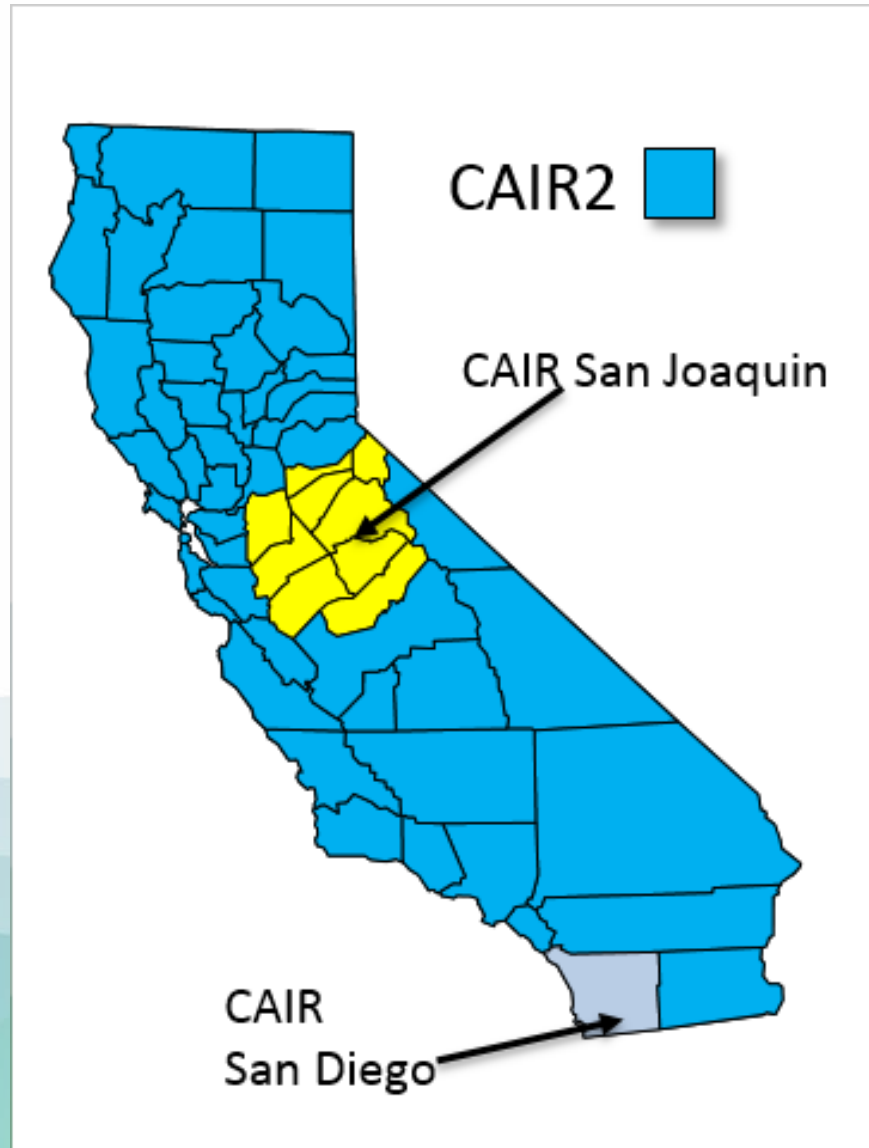


What is CAIR?



- A secure internet-based immunization registry for California
- Tracks patient immunization and TB test information & stores it in one permanent location.
- Reduces over immunization due to lost records by consolidating immunizations recorded by different providers.
- Helps reduce missed opportunities
- Increases immunization coverage rates

Soon to be Statewide!



Many types of organizations use CAIR



Licensed Childcare Facilities
College/Universities
Corrections Facility – All Ages
Fed-Qual or Rural HC
Foster Care
Local Health Departments
Health Plans
HIE/Data Aggregator
Home Health
Hospitals
Indian Health Svcs
Pediatrics
Pharmacies
Private Practice
Schools/School Districts
State Public Health
Urgent Care
WIC

IZ History & Recommendation Screen

[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	Owned?	Reaction	Hist?	Edit
DTP/aP	08/03/2012	1 of 5	DTaP-HepB-IPV [Pediarix ®]				Yes	
	10/12/2012	2 of 5	DTaP-HepB-IPV [Pediarix ®]				Yes	
	12/15/2012	3 of 5	DTaP-HepB-IPV [Pediarix ®]				Yes	
	09/03/2013	4 of 5	DTaP, NOS [DTaP, NOS ®]				Yes	
HepB	04/02/2012	1 of 3	HepB, NOS [HepB ®]				Yes	
	08/03/2012	2 of 3	DTaP-HepB-IPV [Pediarix ®]				Yes	
	10/12/2012	3 of 3	DTaP-HepB-IPV [Pediarix ®]				Yes	
Hib	08/03/2012	1 of 3	Hib, NOS				Yes	
	10/12/2012	2 of 3	Hib, NOS				Yes	
	06/04/2013	3 of 3	Hib, NOS				Yes	
Influenza-seasnI	09/30/2013	1 of 2	Flu NOS	Full	No			
PneumoConjugate	08/03/2012	1 of 3	PCV13 [Prevnar13 ®]				Yes	
	10/12/2012	2 of 3	PCV13 [Prevnar13 ®]				Yes	
Polio	08/03/2012	1 of 4	DTaP-HepB-IPV [Pediarix ®]				Yes	
	10/12/2012	2 of 4	DTaP-HepB-IPV [Pediarix ®]				Yes	
	12/15/2012	3 of 4	DTaP-HepB-IPV [Pediarix ®]				Yes	
Varicella	06/04/2013	1 of 2	Varicella [Varivax ®]				Yes	

Vaccines Recommended by Selected Tracking Schedule

Select	Vaccine Group	Vaccine	Earliest Date	Recommended Date	Past Due Date
<input type="checkbox"/>	DTP/aP	DTaP, NOS	04/02/2016	04/02/2016	04/02/2018
<input type="checkbox"/>	HepA	HepA, NOS	04/02/2013	04/02/2013	11/02/2013
	HepB	HepB, NOS		Complete	
	Hib	Hib, NOS		Complete	
<input type="checkbox"/>	Influenza-seasnI	Flu NOS	10/28/2013	07/01/2017	11/25/2013
<input type="checkbox"/>	MMR	MMR	07/02/2013	07/02/2013	08/02/2013
	PneumoConjugate	PCV13		Maximum Age Exceeded	
<input type="checkbox"/>	Polio	Polio-Inject	04/02/2016	04/02/2016	04/02/2018
<input type="checkbox"/>	Varicella	Varicella	08/27/2013	04/02/2016	04/02/2017

[Add Selected](#)

Immunization History

Recommended Vaccines

Reports



Patient Specific Reports

- Immunizations Needed / Routing Slip
- Immunization History Report
- Yellow Card
- TB Report

Routing Slip

04/26/2019

CAIR

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Immunizations Needed /Routing Slip

Patient Demographics

Medical Record Number: _____ Tracking Schedule: ACIP

Patient Name (L, F, M): GONZALEZ, SARA

Birth Date: 06/01/2014

Age: 4 years, 10 months, 25 days

Gender: Female Ethnicity: _____

Race:

American Indian or Alaska Native

Asian

Native Hawaiian or Other Pacific Islander

Black or African-American

White

Other

Immunization History

Patient Comments: Refusal of PneumoConjugate From Date: 01/03/2019 To Date: _____

Immunization Record				
Vaccine Group	Date Admin	Series	Vaccine [Trade Name]	Dose
DTP/aP	08/03/2014	1 of 4	DTaP-HepB-IPV [Pediarix ®]	Full
DTP/aP	10/12/2014	2 of 4	DTaP-HepB-IPV [Pediarix ®]	Full
DTP/aP	09/03/2015	3 of 4	DTaP,5 pertussis antigens [DAPTACEL	Full
HepA	06/04/2015	1 of 2	HepA-Ped 2 Dose [Havrix-Peds 2 Dose	Full
HepA	12/04/2015	2 of 2	HepA-Ped 2 Dose [Havrix-Peds 2 Dose	Full
HepB	06/01/2014	1 of 4	HepB-Peds [Engerix-B Peds ®]	Full
HepB	08/03/2014	2 of 4	DTaP-HepB-IPV [Pediarix ®]	Full
HepB	10/12/2014	3 of 4	DTaP-HepB-IPV [Pediarix ®]	Full
Hib	08/03/2014	1 of 3	Hib-OMP [PedvaxHIB ®]	Full
Hib	10/12/2014	2 of 3	Hib-OMP [PedvaxHIB ®]	Full
Hib	06/04/2015	3 of 3	Hib-OMP [PedvaxHIB ®]	Full
MMR	09/01/2014	Not Valid	MMR [MMR II ®]	Full
PneumoConjugate	08/03/2014	1 of 3	PCV13 [Prevnar13 ®]	Full
PneumoConjugate	10/12/2014	2 of 3	PCV13 [Prevnar13 ®]	Full
Polio	08/03/2014	1 of 4	DTaP-HepB-IPV [Pediarix ®]	Full
Polio	10/12/2014	2 of 4	DTaP-HepB-IPV [Pediarix ®]	Full
Rotavirus	08/03/2014	1 of 3	Rotavirus, Pent [RotaTeq ®]	Full
Rotavirus	10/12/2014	2 of 3	Rotavirus, Pent [RotaTeq ®]	Full
Rotavirus	12/15/2014	3 of 3	Rotavirus, Pent [RotaTeq ®]	Full
Varicella	06/04/2015	1 of 2	Varicella [Varivax ®]	Full

Immunizations Due

Immunizations Due Record			
Vaccine	Date Needed	Trade Name/ Lt #/Funding Source	Give These
DTP/aP	06/01/2018		
HepB	12/07/2014		
Influenza-seasnI	09/01/2018		
MMR	07/02/2015		
PneumoConjugate	06/01/2015		
Polio	12/07/2014		

Clinician's Signature: _____

Appointment: ___/___/___

Provider Phone Number: _____



Immunization History Report

Detailed summary of immunizations

Patient ID: **1234567** Tracking Schedule: **ACIP**
 Eligibility: **State General Funding**
 Patient Name: **MIKE TEST PATIENT**
 Birth Date: **10/17/2007** Gender: **Male**
8 years, 9 months, 18 days

Vaccine Group	Date Admin	Series	Vaccine [Trade Name]	Dose	Mfg Code	Lot #	Bod Rt.	Bod St.	Provider of Information	Shot Giver	VIS Date	React
HepA	05/30/2008	Not Valid	HepA-Adult	Full		10101XD1	IM	LA	University Health Services	Janet Smith		
	07/30/2014	1 of 2	HepA-Adult	Full		10101XD1	IM	LA	UATParent Clinic	Janet Smith		
	05/30/2015	2 of 2	HepA-Adult	Full		10101XD1	IM	LA	University Health Services	Janet Smith		
	05/30/2016		HepA-Adult	Full		10101XD1	IM	LA	IR Physicians	Janet Smith		
	05/30/2016		HepA-Adult	Full		10101XD1	IM	LA	University Health Services	Janet Smith		
HepB	07/30/2013	Not Valid	HepB-Peds	Full		1010101010	IM	LA	IR Physicians	Janet Smith		
Influenza-seasnl	06/14/2015	Not Valid	Flu trivalent injectable pfree [Agriflu ®]	Full	NOV	897987897	IM	LA	Orgtypetest10		08/10/2010	
	06/14/2016	1 of 2	Flu trivalent injectable [AFLURIA ®]	Full	CSL	1010101	IM	LA	IR Physicians	JOSHUA HOLSTIEN	08/10/2010	

CAIR Immunization Record

Yellow Card

IMMUNIZATION RECORD Comprobante de Inmunización

Name
nombre **MIKE TEST PATIENT**

Birthdate
fecha de nacimiento **10/17/2007** **Sex**
sexo **M**

Allergies
alergias

Vaccine Reactions
reacciones de la vacuna

History of Chickenpox
historia de varicela **No** **Date Printed**
Impreso **08/04/2016**

RETAIN THIS DOCUMENT - CONSERVE ESTE DOCUMENTO

VACCINE <i>vacuna</i>	DATE GIVEN <i>fecha de vacunación</i>	DOCTOR OFFICE OR CLINIC <i>médico o oficina</i>	DATE NEXT DOSE DUE <i>próxima vacuna</i>
POLIO			12/17/2007
DTP			
HIB			

CAIR ID#: 208 Med Rec#: 1234567 Page 1 of 2

VACCINE <i>vacuna</i>	DATE GIVEN <i>fecha de vacunación</i>	DOCTOR OFFICE OR CLINIC <i>médico o oficina</i>	DATE NEXT DOSE DUE <i>próxima vacuna</i>
MMR			10/17/2008
HEPB (1)HepB-Peds	07/30/2013	IR Physicians	08/27/2013
PneumoConjugate			
PneumoPolysaccharide			
VZV			10/17/2008

TB Tests <i>Prueba de TB</i>	Type*	Date Given	Given By	Date Read	Read By	Results	Interpretation
	PPD-Mantoux	06/01/2016	MIKE LOULA	06/02/2016	MIKE LOULA	Induration: 5 mm	Negative

* Only the three most recent TB tests are shown.

* If required for school entry, must be Mantoux unless exception granted by local health dept.

CHEST X-RAY Film date: _____ Interpretation: normal abnormal
Person is free of communicable tuberculosis: yes no
Signature/Agency: null

Parents: Your child must meet California 8 immunization requirements to be enrolled in school.
Keep this record as proof of immunization.
Su hijo debe cumplir con los requisitos de vacuna para a la escuela. Mantenga este

Vaccine Inventory Reports



- Doses Administered Report
- Vaccine Eligibility Report
- State Supplied Vaccine Report
- Many other reports to help track your inventory and keep clinic operations in line

Existing site using CAIR?

CAIR Account Update



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CDPH California Department of Public Health

The California Immunization Registry (CAIR2) is a secure, confidential, statewide computerized immunization information system for California residents.

CAIR2 Is A Winner!! – Best Application Serving the Public

BEST OF CALIFORNIA WINNER 2017

CAIR2 Trainings



CAIR Help Desk

 **Need CAIR Help Desk?**

CAIRHelpDesk@cdph.ca.gov
or call 800-578-7889

Hours: 8am-5pm
CAIRHelpdesk@cdph.ca.gov
Phone: 800-578-7889

CAIR2 Welcome Imperial County
[Find out more ▶](#)

- ▶ **Mac Users: Safari v.12 Is Not Saving Your Entered Doses**
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- ▶ **CAIR2 Account Update (Supervisors Only)**
[Manage your existing CAIR2 Organization Account](#)
- ▶ **Data Exchange Submitters**
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[Learn to Manage Inventory in CAIR2](#)
- ▶ **Meaningful Use Stage 3 in 2019**
[Learn more](#)
- ▶ **Pharmacies**
[Learn How to Report Immunizations to CAIR2](#)

CAIR Account Update



For *existing* organizations:

- Update site information
- Request New User accounts
- Deactivate/upgrade/downgrade user accounts
- Add Clinicians (Shot givers)

Note: If you are a new site, you must first enroll in CAIR before using Account Update

CAIR New Enrollment

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CAIR2 Trainings



CAIR Help Desk

Enroll your organization with CAIR



2 options

- Enroll to submit information electronically from your EHR -

Data Exchange

Or

- Enroll to submit information into CAIR **manually**

CAIR User Interface (UI)



- CAIR User Interface (UI) providers log into CAIR directly and manually update existing records, create new patient records, add historical and new doses, and run patient and provider-level reports
- Providers may use the Inventory feature to track vaccine inventory in CAIR and pull inventory-linked reports
- Users must receive CAIR training to enter doses and manage inventory

CAIR – Data Exchange (DX)



What is DX?

- Submit immunization data to CAIR from your EHR system
- Approximately 84% of sites submit electronically

CAIR – Data Exchange (DX)

Sites enrolled in CAIR Data Exchange-

1. Record doses given to patients in EHR
2. EHR sends dose information to CAIR
3. CAIR sends an Acknowledgement message back to the EHR



CAIR Bidirectional Data Exchange



- Ask for and receive data from CAIR, electronically
- Can send patient history with or without recommendations
- Learn more at **CAIRweb.org**

Data Exchange Submitters



[View CAIR2 Patient Data In Your EHR – Sign Up Now for BiDX!](#)
[Learn to Manage Inventory in CAIR2](#)

**Formal Bidirectional enrollment & testing process required*

Data Exchange Auto-decrement



- DX messages sent to CAIR can decrement doses from CAIR inventory for shots given in your EMR.
- Manage inventory in CAIR is required.
- Learn more at

CAIRweb.org



Data Exchange Submitters

[View CAIR2 Patient Data In Your EHR – Sign Up Now for BiDX!](#)

[Learn to Manage Inventory in CAIR2](#)

CAIR User Roles

CAIR2 User Roles

CAIR2 User Roles	Search Records	Run Reports	Add/Edit Doses	Add/Edit New Patients	Add/Edit Inventory	Monitor DX activity
Read-Only	✓	✓ (patient only)				
School User	✓	✓ (student, student roster)				
Regular	✓	✓	✓	✓		
Power	✓	✓	✓	✓	✓	
Power (DX)	✓	✓	✓	✓	✓	✓
DX Quality Assurance (DX QA)*	✓	✓ (patient only)				✓

* New read-only role allows clinic staff to review data exchange (DX) messaging. No formal training required - see CAIR2 Quick Guides and Videos page at <http://cairweb.org> for training materials.

User Training Requirements

- **Read-only Users:** No Training. Provided user guide and login instructions.
- **Regular Users:** Live interactive webinar training. Participation required. Training takes 2 hours.
- **Power/Inventory Users:** Required to take a Regular training first, then Inventory training. Inventory training takes 1 hour.
- **DX Quality Assurance:** No training. Provided user guide and videos

Post training support



CAIR2 User Guides and Training Videos

CAIR2 User Guides	CAIR2 Training Videos (minutes)
CAIR2 Regular User Guide	Accessing CAIR (6:32)
CAIR2 Inventory User (Power) Guide	Managing Patients (10:58)
CAIR2 Organizational Reports Guide	Understanding the History/Recommend Page (8:14)
CAIR2 Read-Only User Guide	Adding New Immunization (8:51)
CAIR2 Read-Only User Quick Guide	Adding Historical Immunizations (6:18)
CAIR2 TB User Guide	Generating Patient-Specific Reports (5:43)
CAIR2 School User Guide	Vaccine Inventory (12:13)
CAIR2 Complete User Manual	Vaccine Transfers (11:35)
CAIR2 Manual Entry Guide (Sites not using inventory)	Generating Reminder and Recall Reports (11:01)
	Generating and Understanding Ad Hoc Reports (12:34)
	Generating Benchmark and Assessment Reports (19:52)
	School and Child Care User (11:56)

2019 Measles outbreak

Clinics currently enrolled in CAIR

<http://cairweb.org>

- Run reports
- Need to check if patients MMR doses have been documented in CAIR? Request New User accounts for staff to have “Read Only” access.

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CAIR2 Trainings

Measles Outbreak
How To Run A Patient MMR Report For Your Clinic

CAIR2 Account Update (Supervisors Only)
Manage your existing CAIR2 Organization Account

What's Next?



- Fix all known bugs
- Implement key enhancements
- Training & support on additional features such as Reports & Reminder/Recall
- Data sharing with the 2 'independent' CAIR Registries – San Diego & San Joaquin Valley

Learn more about CAIR

<http://cairweb.org>



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Thank You!

- **Local CAIR Representative (LCR) –Orange, Riverside & Imperial – Heather Murphy**
Phone: (714) 834-7876
Email: Heather.Murphy@cdph.ca.gov
- **Local CAIR Representative (LCR) – San Bernardino & Central Valley -Giselle Garcia**
Phone: (559)228-5804
Email: giselle.garcia@cdph.ca.gov
- **Data Exchange Support:**
Phone: 1-800-578-7889 press option #3
Email: CAIRDataExchange@cdph.ca.gov
- **CAIR Help Desk:**
Phone: 1-800-578-7889 press option #4
Email: CAIRHelpDesk@cdph.ca.gov