



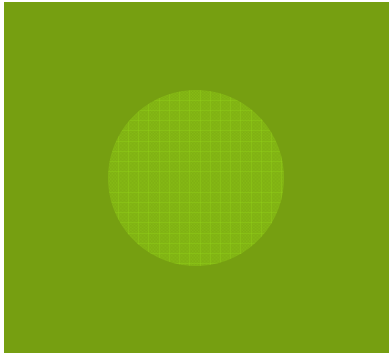
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Public Health Registry Reporting

Lori Hack & Val Tuerk, Object Health
April 23, 2014
6:00 pm to 7:30 pm



Agenda



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- ① Health Information Exchange Gateway
- ① Public Health Reporting and Meaningful Use
 - ① CAIR Immunization Messaging Portal
 - ① Registration/Submission
 - ① Third Party Interface
 - ① Syndromic Surveillance Data Submission
 - ① Cancer Case Data Submission
 - ① Specialized Registry Data Submission
- ① Contact Information



WHAT IS THE HEALTH INFORMATION EXCHANGE GATEWAY?



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The California Department of Public Health (CDPH) developed and launched a secure health information exchange (HIE) web application to manage public health data submission to CDHP in October 2013.

Once you have registered with the CDPH HIE Gateway, you will be able to submit public health data to the Gateway in the following areas (based by county):

- Immunization Reporting
- Electronic Lab Reporting
- Blood Lead Testing – Electronic Lab Reporting
- Syndromic Surveillance Reporting

PUBLIC HEALTH REPORTING AND MEANINGFUL USE



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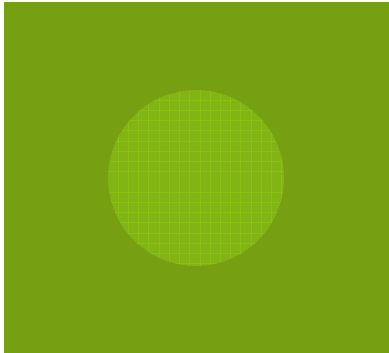


Stage 1 Public Health Reporting Requirements:

- EP must perform at least one test of certified EHR technology's capacity to submit electronic data to immunization registries, and follow-up submission if the test is successful

OR

- EP must perform at least one test of certified EHR technology's capacity to provide electronic syndromic surveillance data to public health agencies and follow-up submission if the test is successful.



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**PUBLIC HEALTH
MEANINGFUL USE**

Stage 2 Public Health Reporting Requirements:

- **Required Core Measure:** Successful ongoing submission of electronic immunization data from CEHRT to an immunization registry for the entire reporting period.
- **Optional Menu Measures:**
 - Successful ongoing transmission of syndromic surveillance data from CEHRT to a public health agency for the entire reporting period.
 - Successful ongoing submission of cancer case information from CEHRT to a public health central cancer registry for the entire reporting period.
 - Successful ongoing transmission of specific case information from CEHRT to specialized registry for the entire reporting period



CAIR IMMUNIZATION MESSAGING PORTAL



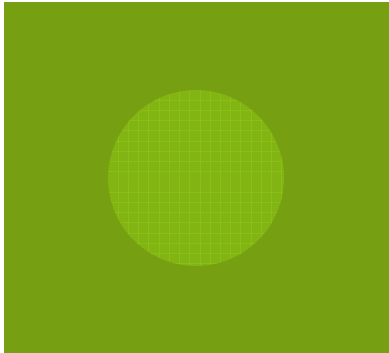
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The CAIR Immunization Messaging Portal was introduced in late 2013 and is a one-way system that receives immunization data to meet the requirements of Meaningful Use. The new portal streamlines enrollment and automates ongoing submission of immunization data for providers.





PUBLIC HEALTH REGISTRIES: REGISTRATION AND SUBMISSION



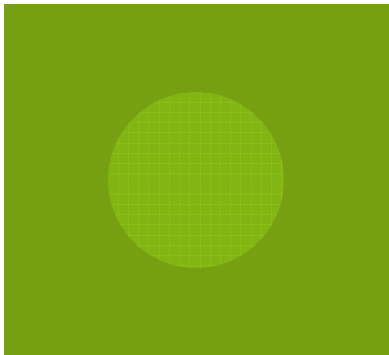
Step 1: Register with CDPH Health Information Exchange Gateway

- ② All eligible professionals who intend to submit public health data to CDPH must first register with the gateway at <http://hie.cdph.ca.gov/>
- ② Once the gateway registration is complete, you will be directed to enroll in programs to manage your submissions:
 - CAIR
 - Cancer Case Reporting
 - Syndromic Surveillance Reporting



Click Here to Register

INFORMATION REQUIRED FOR REGISTRATION:



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- Site Type (see info on Site types to follow) – **consult with your EHR vendor to confirm site type**
- CAIR ID (if currently enrolled in CAIR)
- Site Information, including name, address, phone, email and NPI
- Site Contact Information
- Site Clinical Information, including specialty and responsible clinician name/license number
- Site Data Exchange Information, including EHR name/vendor, EHR contact information, and HL7 messaging capability



SITE TYPES

You may need to contact your vendor to determine your submission type, which varies by how you will submit the data:



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1. Submit immunization data directly to CAIR Portal

Choose this option if you are a single-provider site with a hosted system and will be submitting your own immunization data to the portal

- Examples: Next Gen, Prime Clinical

2. Submit immunization data through a Sending Facility (HIO, vendor data warehouse, etc.)

Choose this option if you are a provider site with a cloud based system and your site's immunization data will be sent to the portal by a sending facility other than yourself (your immunization data will be sent by a vendor HUB, HIO, Healthcare Network, Provider Organization, etc.)

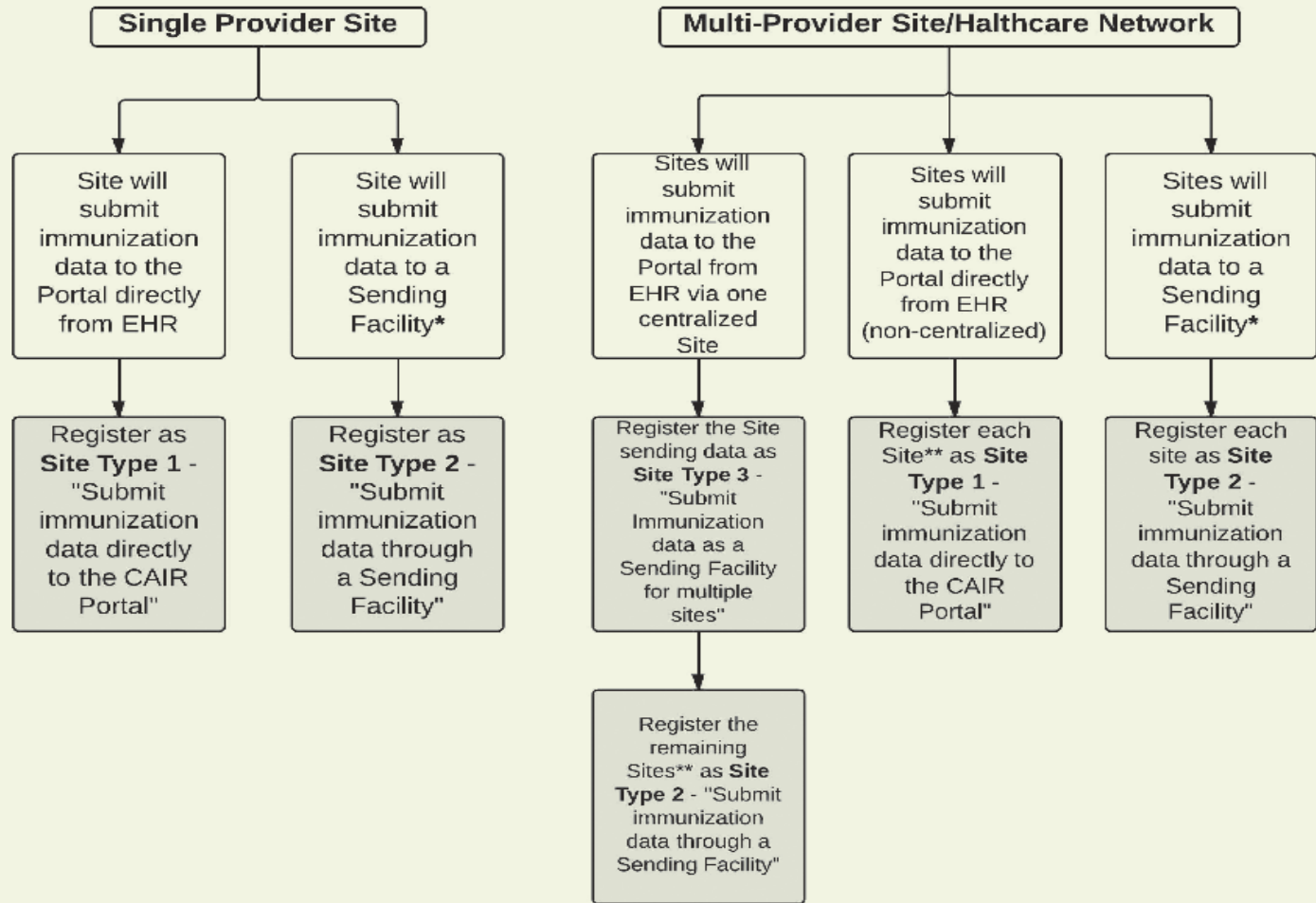
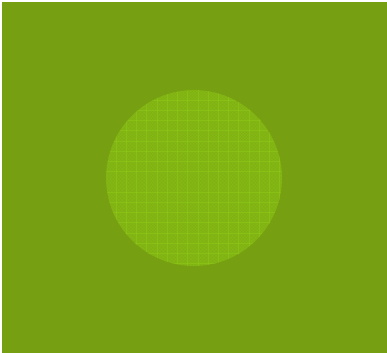
- Examples: Office Ally, Practice Fusion

3. Submit immunization data as a Sending Facility (HIO, vendor data warehouse, etc.) for multiple sites

Choose this option if you are a sending facility and will be submitting immunization data to the portal for multiple provider sites (you are registering as a vendor HUB, HIO, Healthcare Network, Provider Organization with multiple locations, etc.)



SITE TYPES CONTINUED



NOTES:

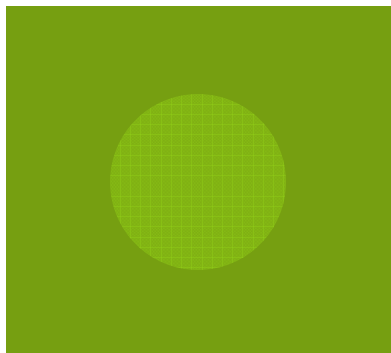
Consult with your EHR vendor to determine Site Type for CAIR Registration

*Your immunization data will be sent by a Vendor HUB, HIO, Healthcare Network, Provider Organization, etc.

Sending Facility must be registered with CAIR as Site Type #3

**Use Multiple Sites Enrollment Option if registering 5+ sites

REGISTRATION WEBSITE



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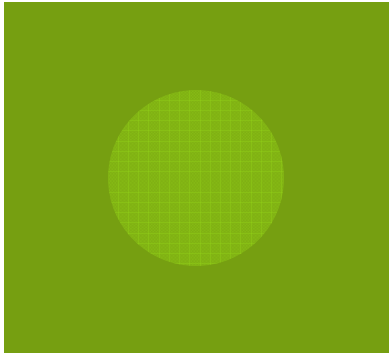
CAIR Immunization Messaging Supplemental Info

Fields shown in red are required

Site intends to (choose one):

- Submit immunization data directly to the CAIR IZ Portal [?](#)
- Submit immunization data through a Sending Facility (HIO, Vendor data warehouse, your organizations central server, etc.) [?](#)
- Submit immunization data as a Sending Facility (HIO, Vendor data warehouse, your organizations central server, etc.) for multiple sites. [?](#)

REGISTRATION WEBSITE



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If you search and find your CAIR account information, most of the information below will be prepopulated

If you have an existing CAIR Account, search for your Account information:

Search

Otherwise, continue completing this form without searching if you're new to CAIR.

Site Information

CAIR Provider ID:
(If you're an existing CAIR provider)

Site Name:

Current Site NPI:
NPI Number Lookup

Site Address (Line 1):

Site Address (Line 2):

ZIP Code:

If Clinical Site, choose type:

Site Phone:

FAX:

Site Email:

Retype Email:

Site Contact Information

(Should be person completing registration)

First Name:

Last Name:

Title:

Phone:

Email:

Retype Email:

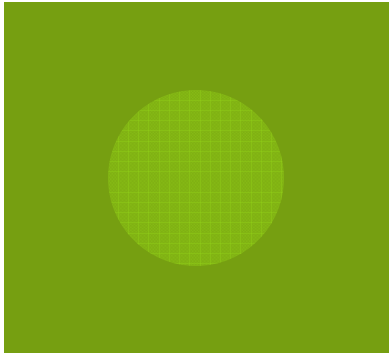
Responsible Clinician

First Name:

Last Name:

Title:

CA Medical License Number



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REGISTRATION WEBSITE

Data Exchange Information

What is the name (+version) of the EMR/EHR software used by this office?

Which vendor developed the EMR/EHR software used by this office?

Is this EMR/EHR Certified?

Can this EMR/EHR send HL7 formatted data?

Data Exchange/ Vendor Contact Information

DE/Vendor Contact First Name:

Phone:

DE/Vendor Contact Last Name:

Email:

Company:

Retype Email:

Position:

Meaningful Use Info

Is this Site currently participating in the EHR Incentive Program ('meaningful use')?

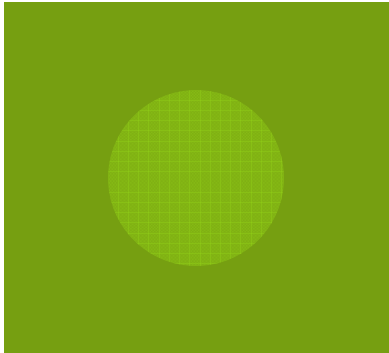
If 'Yes' to the above, in which Stage(s) of the EHR incentive Program will this Site be participating in 2014?

For Sites serving Medicare patients (for MU), please select which quarter in 2014 your Site plans to initiate the Stage 2 90-day reporting period?

For Sites serving Medi-Cal patients (for MU), please select which month in 2014 your Site plans to initiate the Stage 2 90-day reporting period?



WHAT IS NEXT AFTER REGISTRATION?



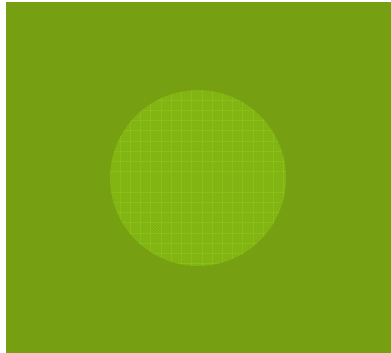
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An email will be sent to the designated site contact requesting email address verification. After the email has been verified, you will a secure registration confirmation email that contains:

- CAIR Site ID
- Data exchange credentials
- Detailed instructions for next steps

Retain the portal registration confirmation email, as you will need the credentials and follow-up steps for future submissions. Check your SPAM folder in case these emails are routed there.





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PREPARE FOR DATA EXCHANGE

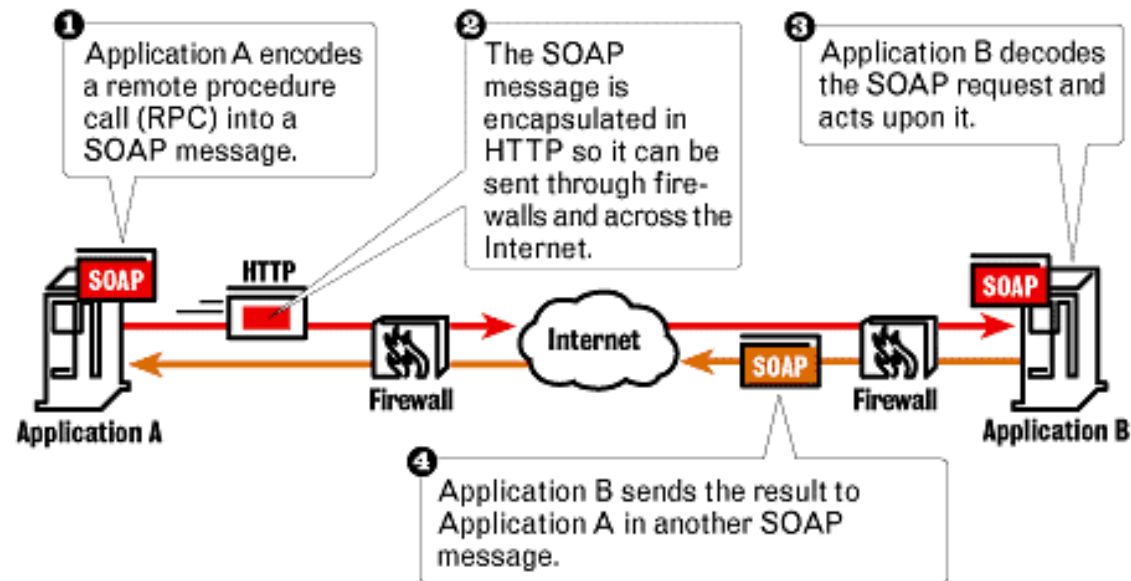
The steps to prepare for data exchange will vary depending upon your site type and EHR, but may include:

- Installing a CDPH Client Certificate on the computer/server that will send data to the portal
- Configuring the sending system to use SOAP web services for data submission.

Consult with your EHR vendor to confirm your next steps.

TECHNICAL SPECIFICATIONS FOR DATA TRANSFER

■ HOW IT WORKS **Simple Object Application Protocol**
SOAP can be used to send any type of data between applications irrespective of what platform the applications are built on.

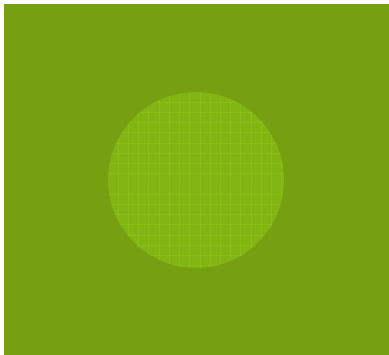


HL7 SPECIFICATIONS

CAIR submissions require HL7 formatted immunization messages.

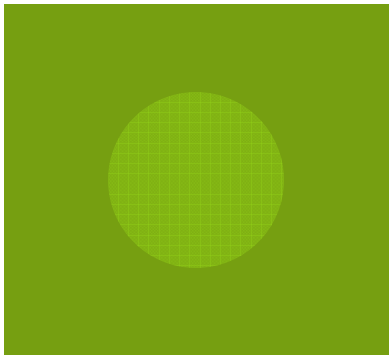
- Confirm that your EHR supports HL7 messages/HL7 interface
- Test and production data may be submitted according to the CAIR HL7 2.3.1 data exchange specifications, it is highly recommended that you use **CAIR HL7 2.5.1** specifications, as this is the required format for Stage 2.

- For details on the CAIR HL7 2.5.1 data exchange specifications, go to http://cairweb.org/images/docs/CAIR_HL7v251_Spec_for_web.pdf



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TESTING AND SUBMITTING MESSAGES



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- Pretest your HL7 messages with the CAIR HL7 Web Validator Tool, which checks for the correct formatting. The tool can be found online at:

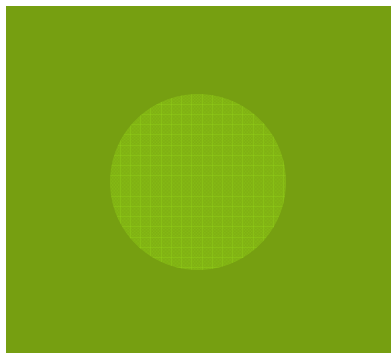
<https://igsstag.cdph.ca.gov/CAIRHL7WebValidator/>

- Begin submitting messages to the portal for testing and validation before real patient data is sent.
 - May require installation of CDPH Client Certificate and configuration to use SOAP web services (consult with EHR vendor for details)

Test Message



Test messages should be sent at least a month before the 90-day attestation reporting period to allow for time to resolve any issues or problems that arise.



MESSAGE VALIDATION

Test messages sent to the Portal are validated against the CAIR HL7 specifications.

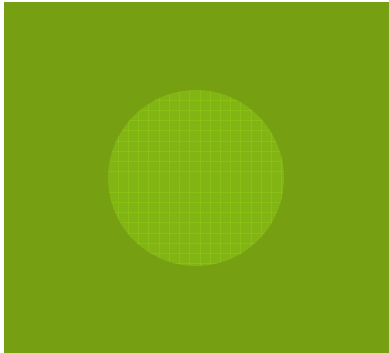
- If a message fails, an auto-generated email will send results with additional diagnostic information
- After submitting one test message successfully (Stage 1 requirement), providers/sites must create and submit 50 additional unique test messages in HL7 VXU format and pass **validation testing**.
 - Validation of HL 7 format
 - Validation of real patient data from the EHR to ensure quality.



If there are errors or a failed message, CAIR will generate an automated email with diagnostic information. The site is responsible for working with the EHR and CAIR to resolve the errors.



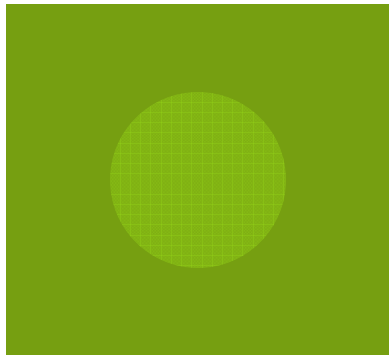
ONGOING SUBMISSION



- Once you have submitted successful test messages, the CAIR Portal will help your practice achieve ongoing data submission.
 - In order to meet the Stage 2 requirement of “ongoing submission” of immunization data to the Portal, sites must register and begin submitting data within 60 days of the start of their 90-day reporting period **or** be actively participating in testing and validation of patient data.
 - CAIR will not acknowledge that your site has met the requirements for immunization reporting if your site is not testing patient data or has not submitted data within 60 days of the reporting period.



SAMPLE EHR VENDOR STATUS



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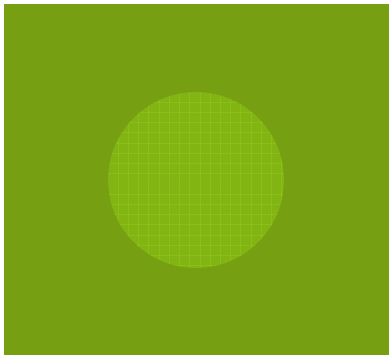
		Vendors	HL7 Interface	HL7 Interface Cost	SOAP Transport
EHRs	1	NextGen	Not available with base version. Need to request an HL7 interface from NextGen.	\$5,200	Will be available soon.
	2	eClinicalWorks	Not available with base version. Need to request an HL7 interface from eCW.	Between \$3,000 and \$5,000	Information not available yet.
	3	Sage Viterra	HL7 option available. Information not available whether the HL7 will meet CAIR standards.	Information not available.	Utilize an interface engine like Mirth Connect to submit.
	4	Epic	TBD	TBD	TBD
	5	GE Centricity	TBD	TBD	TBD
	6	Allscripts	Allscripts has a Meaningful Use Cloud where providers can submit their MU information.	TBD	We could not validate if Allscripts cloud has an interface with CAIR.
	7	Practice Fusion and Office Ally	HL7 Export available and Interface will be ready next year.	0	Transport available in 2014
3rd party Interface	8	eMedapps' SevaExchange	HL7 Export available.	TBD	Will be available soon
3rd party Interface	9	Mirth Connect	Information not available	\$5000 annually for the interface engine	SOAP transport available



THIRD-PARTY INTERFACES

An alternative method to utilizing an interface from your EHR vendor would be using a third-party vendor such as eMedapps' SevaExchange or Mirth Connect.

- The third-party interface will need to be certified if it provides the capability of electronically recording, modifying, retrieving and submitting immunization information according to the required standards or the capability to create immunization information for transmission.
- The third-party interface does not need to be certified if the interface is only serving as a conduit between your EHR and the Immunization Registry and provides the underlying communication protocol to transport data.
- Additional information about third-party interface certification can be found at:
<http://www.healthit.gov/policy-researchers-implementers/18-question-09-10-018>



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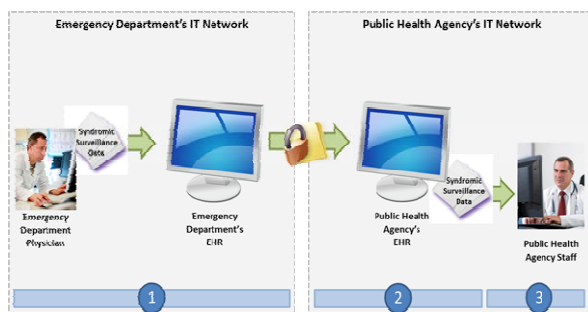
PUBLIC HEALTH REGISTRY REPORTING - MENU MEASURES

SYNDROMIC SURVEILLANCE REPORTING

(OPTIONAL MENU MEASURE)



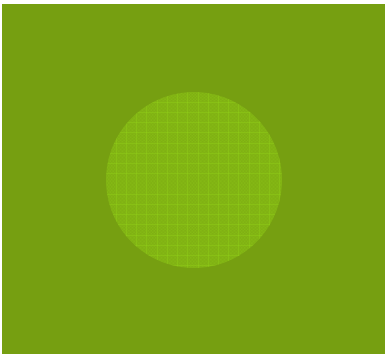
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- Syndromic Surveillance Data is reported to CDC BioSense
 - Register an operational relationship with the BioSense Data Steward, Rick Lopez (rilopez@rivcocha.org) to ensure that the data you transmit is available to DOPH for review.
 - **Registration is NOT through the CDPH HIE Portal**
 - **Available for emergency departments only; non-Eds cannot onboard with BioSense at this time.**
 - Once you have an operational relationship with BioSense/DOPH, you may transmit data to BioSense from your EHR.
 - If you are a “live” member of the IEHIE, this information is submitted to BioSense for you, but self-registration with the Data Steward is still required prior to submission.

CANCER CASE REPORTING

(OPTIONAL MENU MEASURE)



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- The California Cancer Registry (CCR) is operated by the California Department of Public Health (CDPH), not by the Riverside County Department of Public Health.

- Register through the CDPH HIE Portal
- There is currently no interface between the IEHIE and the CCR
- For more information, visit <http://www.ccrca.org>
- Implementation guide for providers reporting to Central Cancer Registries:
[http://www.cdc.gov/phn/library/guides/Implementation Guide for Ambulatory Healthcare Provider Reporting to Central Cancer Registries August 2012.pdf](http://www.cdc.gov/phn/library/guides/Implementation%20Guide%20for%20Ambulatory%20Healthcare%20Provider%20Reporting%20to%20Central%20Cancer%20Registries%20August%202012.pdf)

Case Data Edit Form
000-00-0072, LUCILLE BALL

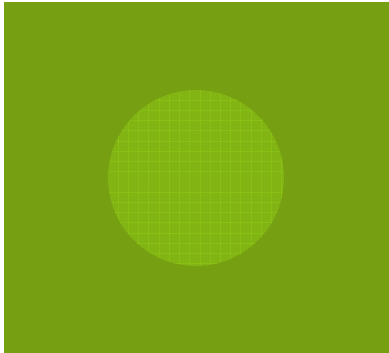
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ACRQ Req No	00
SEER Req No	00
Site Group	22
SEER Site Recode	99999
ICD-O-3 Version	5
Date of Diagnosis	01/31/1990
Age at Diagnosis	40
ICD-O-3 Conversion Flag	
Topography Code (ICD-O)	162.3 UPPER LOBE, LUNG
Histology & Behavior Code (ICD-O-3)	8042/3 OAT CELL CARCINOMA
Tumor Grade	<input type="text" value=""/>
Class of Case	<input type="text" value=""/>
Date First Contact	01/31/1990
Laterality	2 Left origin
Multisite Center	
Date Multiple Tumors	
Type of Multiple Tumors	

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Page 1 of 0

SPECIALIZED REGISTRY REPORTING

(OPTIONAL MENU MEASURE)



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- The Riverside County Department of Public Health does not currently operate specialized disease registries.
 - DOPH will provide advance notification of any planned specialized disease registry and provide instructions on how to integrate with the registry.



SUMMARY OF NEXT STEPS

California Department of
Public Health
3900 Sherman Drive, Suite J
Riverside, CA 92503

Local User Support:
Twila Crook
Phone: 951-358-7143
Fax: 951-358-3403
Email: tcrook@rivcocha.org

Data Exchange Support:
Eric Dansby
Fax: 916-440-5967
Email: CAIRDataExcha@cdph.ca.gov

- ③ Develop timeline for preparation and testing of Meaningful Use required reporting.
- ③ Contact your EHR vendor for assistance with CAIR registry technical requirements.
- ③ Prepare test in advance of 90 day reporting period.
- ③ Register, test and report



Questions? Contact Us:

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Lori Hack, Lori.hack@objecthealth.com, 415-260-6277

Val Tuerk, Val.tuerk@objecthealth.com 949-702-0517

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