

# **Release Notes**

## **California Immunization Registry**

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# California Immunization Registry Release Notes

## 1. Introduction

The document communicates the major new features and changes in this release of the California Immunization Registry.

## 2. About This Release

This release incorporates the correction of some minor defects discovered during the CAIR Implementation contract period and minor enhancements to the California Immunization Registry software.

## 3. Compatible Products

This product has been tested on the following platforms or with the following products:  
CAIR UAT, CAIR TRN, CAIR Staging, CAIR Production

## 4. Bug Fixes/Enhancements

The following fixes appear in this release:

### 1) Data Exchange

#### • Job Monitor Status

When a Data Exchange job errors during processing, the red error message found within the Data Exchange Detail screen was removed. The error message will be included inside the HL7 Response file, which is displayed as a hyperlink the detail screen. The error message will be replaced with a text statement notifying the user an error occurred and what action should be taken.

Always display the Inbound HL7 and HL7 Response files for all jobs that error during processing. If the error message is not available, a notation will be displayed in place of the Response file stating the file was empty.

Time fields replaced the drop down boxes to allow the user to freely select any hour and minute combination for the 'Start Time' and 'End Time' fields. AM and PM radio buttons were added to each time field. Warning pop-up messages will be displayed if invalid data is entered into the time fields.

#### • Job Search/Check Status

A new Job Search screen to allow additional filtering functionality from the Job Monitor screen. Add a Batch Export button to allow users to zip and download all response files listed on the current page.

- Allow the DX team to view messages from specific organizations without having to set up a 'session' under the specific org code that you are viewing messages for.
- Allow viewing of different organization data without leaving the Job Search page.
- Allow searching messages by 'Message Control ID' for ease of message locating.
- Filter job search by sending Org ID or owning Org ID.
- View or download HL7 Inbound, Outbound, and Response messages from within the Job Search main screen.
- Color code job action to easily identify steps to be taken by the user.

- Include a Batch Export button to give users the ability to zip and download all response files listed on the current page.
- **NDC and CVX Updates**  
If both NDC and CVX codes are submitted together in the RXA-5 field, the RXA segment should not fail. Either the NDC code or the CVX code can be sent in the first triplet. Values in triplets must match.
- **ACK RSP Format Update**  
Update RXA segment validation to return messages for required fields and MSA-2 to return “AE” if ERR-4 is W.
- CAIR2 to accept email addresses with multiple domains, multiple periods within the address
- **Vaccine lot decrementing**

Inventory decrementing in CAIR2 is based on lot number and funding source only. If the CVX code sent in RXA-5.1 is different from the vaccine type entered into CAIR2 inventory, the lot will still decrement in CAIR2 as long as the lot number is the same in both CAIR2 and the HL7 message.

The vaccine order group being sent is validated with the business rules set for VXU message standards, ORC, RXA and OBX segment standards, deduplication business rules. The deduplication business rules determines the immunization to save as follows:

- Administered ranks higher than historical or Private (Other) inventory.
- Administered deducting from inventory ranks higher than administered non-deducting immunizations.
- Existing Administered deducting from inventory ranks higher than an incoming administered deducting immunization.
- Private (other) inventory administered ranks higher than historical.
- Existing historical immunization ranks higher than an incoming historical immunization.

## 5. New Features

- **Manage WS Credentials**

CDPH has the ability for the CAIR to manage Web Service Credential through the UI. The key focus is the ability to unlock provider organizations who have locked their web service user name and password.

- **Convert Special Characters to English**

CAIR2 receives files with special characters that are not translating in the system. The special characters will be translated to English characters. The HL7 parsers will interrogate incoming messages and replace special characters with their English equivalents. For characters, that cannot be converted (any non-ASCII characters remaining), the logic drops the character from the string.

A log message will be written to identify any fields that have been modified using this process for tracking purposes. The process will concentrate on Strings, so the

logic skips numbers, dates, codes, and indicators. For CAIR2, since all orgs are currently on HL7 version 2.5.1, the logic was only added to that section of code.

## Revision History

<b>Version</b>	<b>Date</b>	<b>Summary of Changes</b>	<b>Author</b>	<b>Revision Marks (Yes/No)</b>
0.1	09/19/2021	Draft	Cheryl Scott	No
1.0	09/19/2021	Final	Michael Powell	No