



Immunization Registry Deep Dive

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Session Objectives

- Sending Good Data
- Retrieving Immunization Records
- Decoding Registry Responses



What are the challenges with working with Immunization Registries

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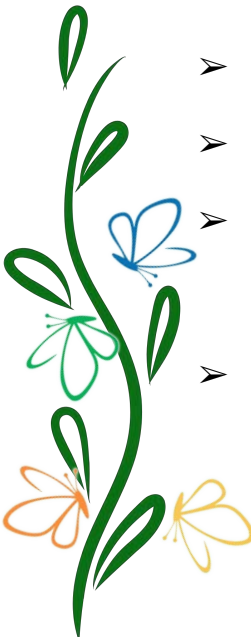
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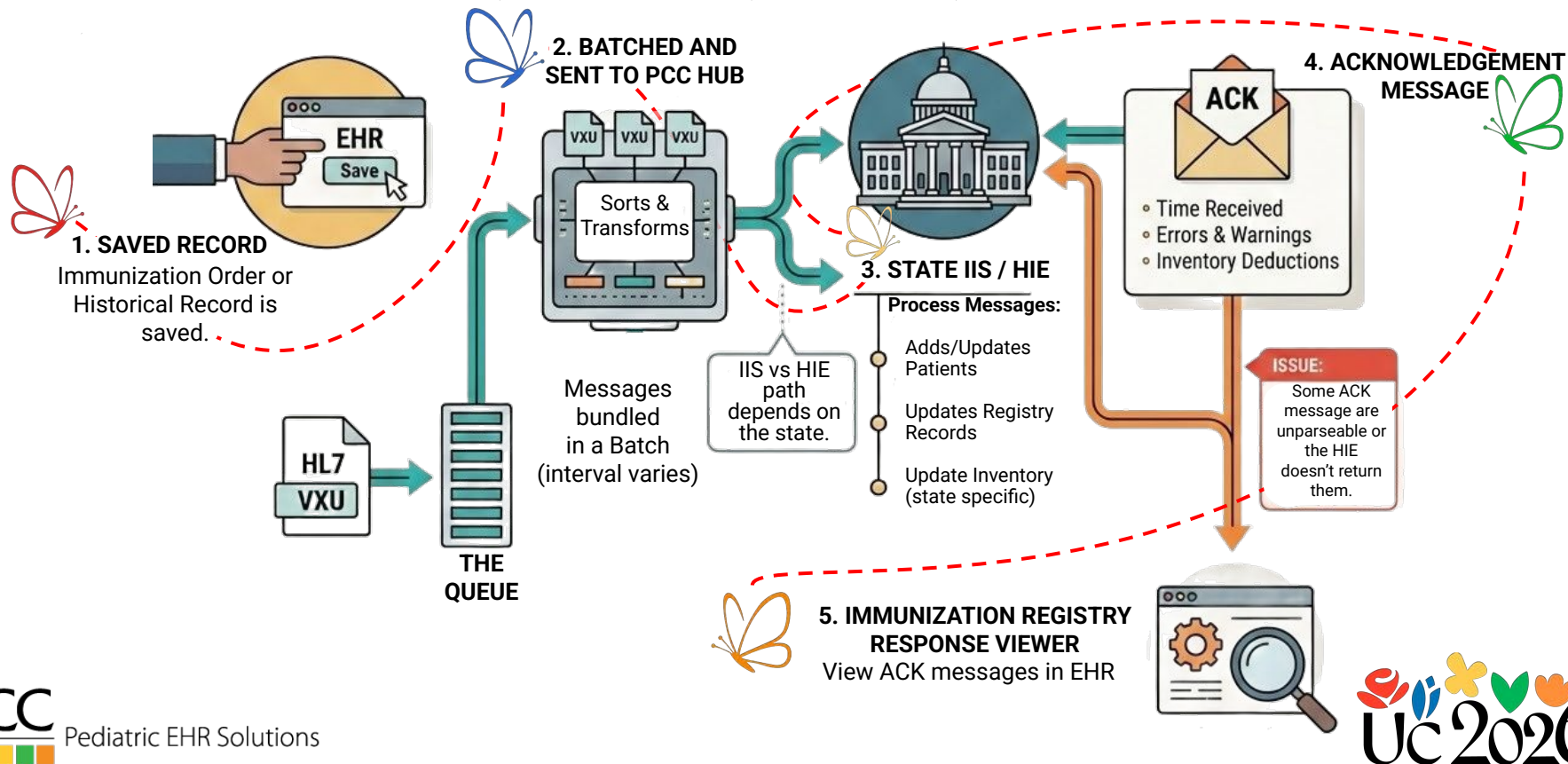


What, when, how, where...

- Immunization order, or historical record, once **saved**, moves into the queue (*notice I didn't say completed*)
- Queued records, now HL7 VXU messages, are put in a batch (*This can be once a day or every 5 minutes depending on the registry*) and sent to the PCC hub.
- The hub sorts and transforms all the messages it receives and sends them out to the IIS or HIE (who then pass them to the IIS) depending on the state.
- IIS processes messages
 - Adds patients or updates demographics
 - Adds the records to a patient's registry record
 - Updates inventory (depending on the state)
- IIS returns an ACKnowledgment message (ACK is another message type)
 - The ACKs will have information on
 - When the message was received
 - Errors and warnings
 - Inventory deductions (depending on the state)
 - Some HIEs don't always pass the IIS's ACK back
 - Some states have unique ACK messages that can't be parsed.
 - Most ACK messages can be viewed in the Immunization Registry Response Viewer



What, when, how, where...





Example of a new patient

2 month well visit

- **Appointment scheduled**
 - Just enough info to stub in an appointment
- **Historical imms added to chart**
 - 1 week before the appointment birth Hep B added
- **Visit happens**
 - Patient checked in, demographics completed
 - Immunizations ordered - administered or refused



Example of a new patient

2 month well visit

➤ **Historical HepB**

- Queued to go to the registry as soon as it was saved
- Sent out that evening with all the rest of the imms in that batch
- Registry reject the entire record because it was missing an address

Address was added later but since there was no change to the immunization no updated immunization record was sent and the patient and their historical HepB had to be manually added through the registry's portal



Example of a new patient

2 month well visit

➤ Visit happens

- Patient checked in, demographics completed
- Imms ordered, administered and completed
 - Vaxelis - Missing VFC Status, Route and Site
 - Rotavirus - Missing VFC Status and Lot number
 - Prevnar - Marked as Refused but missing Reason

The registry returned errors and warnings and didn't add the immunizations to the patient's record.



Example of a new patient

2 month well visit

➤ Immunizations updated

- VFC status for the visit was added which added VFC status to the rest of the immunizations administered in that visit.
- Vaxelis - Added Route and Site
- Rotavirus - Added Lot number which added:
 - Lot, MVX, NDC, Exp. Date, Funding Source
- Prevnar - Added Refusal Reason

Once the records were updated/corrected they were added to the queue and sent out in the batch later that day. A new acknowledgement message was returned showing the updates were accepted.

Sending Good Data

The first time



- Demographics
 - If critical information is missing and there isn't enough information to match a patient the record will be rejected along with the immunizations sent with it. Fixing/updating the demographics will **not** queue an updated record. This means the immunizations that were rejected when the demographics were incomplete will need to be manually entered into the registry.
- Vaccine entries (Orders or Historical records)
 - Changes to the immunization record will queue an updated record to be sent out. Not every registry accepts updated immunizations.

Sending Good Data

Demographics



Since any immunization record added to a patient's chart is queued to go out to the registry as soon as it is saved it is important to have key demographic information completed **first** to avoid having all those added immunizations rejected.

In addition to the patient's name, dob and sex they need a completed Home Account.

Home account:

Address and phone number is used for the patient's address and phone number as well as the initial personal contact.

This information allows for:

- Finding a patient match to add immunization records to
- Creates a record in the registry

Sending Good Data

Demographics



PCC EHR

Find

Allison Karper PCC# 2011

Medical Summary

Demographics

Patient Demographics

Communication Preferences

Personal Contacts

Account Demographics

Pre-Check-In Recipient

Account Notes

Patient Portal Users

Siblings

Policies

Account Balances

Account Forms

Patient Forms

Insurance Eligibility

History

Demographics

Patient Demographics

Allison L. Karper

First Name: Allison

Nickname:

Middle Name: L.

Last Name: Karper

Suffix:

Date of Birth: 03/21/22

Sex: Female

Deceased: ☒ No ☐ Yes enter date

Birth History

GA at Birth: weeks days

Multiple Birth: ☐ No ☐ Yes

Race, Ethnicity, and Preferred Language

Race:

Ethnicity:

Pref. Language:

Patient Information

Patient Flags: Chronic

PCP: None

Other ID:

School:

Note:

ImmTrac ID: 08820

Relation to Bill Payer: Child

Alternate Identifiers

Patient Medicaid number:

Mother's Maiden Name

First Name:

Middle Name:

Last Name:

Required to avoid message rejection

Helpful for better patient matching or for state specific requirements

Sending Good Data

Demographics



PCC EHR

Demographics Allison L. Karper 4 yrs, 1 mo 03/21/22 F

Immunization Registry Communication Preferences

Share with Registry: ☒ Undetermined ☐ Yes ☐ No **State Specific**

Preferred Contact Method for the Immunization Registry: Undetermined

Patient's Immunization Registry Status: Unknown

Personal Contacts

Sprague Dill (Custodian, Mother) Address: 3580A Wynnewood Road
Canaan, VT 05901

Home Phone: 802-555-0127
Work Phone: 802-555-0129
Cell Phone: 802-555-0155
Emg Phone: 802-555-0122
Phone Notification:
Email Notification:

Note:

EDIT CONTACT REMOVE

select a personal contact

Required to avoid message rejection

Helpful for better patient matching or for state specific requirements

Sending Good Data

Demographics



Allison Karper* PCC# 2011

Medical Summary

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Demographics

Allison L. Karper 4 yrs, 1 mo 03/21/22 F

Account Demographics

Home and Billing Account

Sprague Dill (Account # 1547)

First Name: Sprague

Last Name: Dill

Address

3580A Wynnewood Road

address 2

Canaan VT 05901

Phone

Home Phone: 802-555-0127

Work Phone: 802-555-0129

Cell Phone: 802-555-0155

Emg Phone: 802-555-0122

Email:

Account Information

Account Flags:

EMG Contact:

EMG Phone #:

Alt Last Name:

Mother Employer:

Father Employer:

Pharmacy #:

Recent Financial History

Last Service: 05/09/26

Last Bill Sent: 04/26/25

Last Pers. Pmt: 05/09/26

Last Ins. Pmt: 04/21/26

Hold Bill Until:

Budget Amt: \$

Required to avoid message rejection

Helpful for better patient matching or for state specific requirements

Sending Good Data

Demographics



Demographics:

- Home account
 - Address
 - Phone number
 - Email (only one and no other text)
- Patient
 - Name - Use the nickname field for nicknames, no quotes or parentheses
 - Date of birth
 - Sex
- Birth Order (if part of a multiple birth)
- Mother's Maiden Name
- Personal Contacts

Sending Good Data

Demographics



Additional Demographics registries **may** require:

- Race
- Ethnicity
- Language

Registry Specific

- Alternate IDs
- Protection Indicator (Share with Registry)
- Communication Preference
- Registry Status

Sending Good Data

Immunization Orders



- Add or Update all demographics **before** entering any immunization records
- Query and/or add any immunization history
- Select VFC eligibility status first and it will add it to all the orders in that visit
- Once “Save Changes” is clicked the record is queued to go to the registry - as is.

Sending Good Data

Immunization Orders



VFC status: Can be set for all immunization orders in that visit

▼ **Vaccines For Children**

Insurance and Race as of 01/28/20

Primary: Health America HMO \$10/20 (Copay \$10)

Eligibility Status:

- Not VFC eligible (V01)
- VFC eligible - Medicaid/Medicaid Managed Care (V02)
- VFC eligible - Uninsured (V03)
- VFC eligible - American Indian/Alaskan Native (V04)
- VFC eligible - Federally Qualified Health Center Patient (under-insured) (V05)
- Local-specific eligibility (V07)
- CHIP (V22)
- 317 (V23)
- Medicare (V24)
- State Program Eligibility (V25)

Sending Good Data

Immunization Orders



- Dose
 - Can set default dose amounts in the immunization/disease table
- Lot number (selected or scanned)
 - Includes Manufacturer, NDC Code, Lot Number, Expiration Date and Funding Source
- VIS sheet edition and date given
 - Is a sticky field and needs to be updated by user when new VIS sheets are being used.

The screenshot shows a web-based form for recording an HPV immunization. At the top, it indicates 'HPV' with a green checkmark, 'Administered 06/21/24', and 'To: Maria Horn'. The form includes several dropdown menus: 'VFC: VFC eligible - Medicaid/Medicaid Managed Care (V02)', 'Dose: 0.5 mL', 'Lot #: 78965 (Federal funds)', and 'VIS: Human papillomavirus Vaccine (Gardasil) VIS (E)'. There is a 'Scan' button next to the Lot # field. A 'Note' field contains the text 'enter a note'. Below this, there are four radio button options: 'Administered' (selected), 'Refused', 'Contraindicated', and 'Canceled'. Each option has a corresponding 'Reason' dropdown menu. The 'Administered' option also has a 'Route' dropdown set to 'Intramuscular' and a 'Site' dropdown set to 'Left Deltoid'. At the bottom, there is a field for 'Administered by:' with the name 'Zelda Zen, LNA', and two date/time fields showing '06/21/24' and '3:58pm'. At the very bottom, there are two buttons: 'DISCARD CHANGES' and 'SAVE CHANGES'.

Sending Good Data

Immunization Orders



- Administered
 - With Route and Site
- Refused
 - With Refusal Reason
- Contraindicated
 - With Contraindication Reason
- Canceled
 - If previously sent to the registry a deleted record will be sent
 - If the Refused button was selected and then immediately changed to canceled a “Not Administered” (NA) will be sent and most registries will return an error.

The screenshot shows a web-based form for entering an HPV immunization record. At the top, it indicates the vaccine is HPV, administered on 06/21/24, to Maria Horn. The form includes dropdown menus for VFC status (VFC eligible - Medicaid/Medicaid Managed Care (V02)), Dose (0.5 mL), and Lot # (78965 (Federal funds)). There is a 'Scan' button next to the Lot # field. The VIS field is set to 'Human papillomavirus Vaccine (Gardasil) VIS (E)' with a '+' button and a 'VIS Given' date of 06/21/24. A 'Note' field is present with the placeholder 'enter a note'. Below this, there are four radio button options: 'Administered' (selected), 'Refused', 'Contraindicated', and 'Canceled'. Each option has associated dropdown menus for 'Route', 'Site', and 'Reason'. For 'Administered', the Route is 'Intramuscular' and the Site is 'Left Deltoid'. At the bottom, there are fields for 'Administered by' (Zelda Zen, LNA), the date (06/21/24), and the time (3:58pm). Two buttons, 'DISCARD CHANGES' and 'SAVE CHANGES', are located at the bottom right.

Sending Good Data

Vaccine Lot Manager



Vaccine Lot Manager

Lot # Search:

Immunization (CVX)	Manufacturer (MVX)	Lot Number	Expiration	Funding Source	Diluent
Varicella 21 (21)	Merck and Co., Inc. (MSD)	0687y	07/30/26	Tribal funds	
Tdap 115 (115)	Sanofi Pasteur (PMC)	12345678	06/23/26	Private funds	
Hepatitis B 08 (08)	Merck and Co., Inc. (MSD)	268646487665	07/30/26	Public	
Rotavirus (3 dose) 116 (116)	Merck and Co., Inc. (MSD)	324457gdsyk	07/30/26	Private funds	
Hepatitis A 83 (83)		3458dge	07/30/26	Public non-VFC	
Hepatitis A 83 (83)	GlaxoSmithKline (SKB)	5953X		Private funds	
Hepatitis A 83 (83)	GlaxoSmithKline (SKB)	5953X	06/24/27	Public VFC	
DTaP 20 (20)	Aventis Behring L.L.C. (AVR)	C3141AA		Private funds	

Immunization: Location: Display:

You can find empty fields by clicking on the column headers

Sending Good Data

Vaccine Lot Manager



Vaccine Lot Manager - Add Lot

Lot

Immunization: Hepatitis A CVX: 83
Manufacturer: GlaxoSmithKline MVX: SKB
NDC: 58160-0825-01
Lot Number: 954G2
Expiration Date: 04/15/21
Funding Source: select a funding source
Location: Winooski Pediatrics

Status

☒ Available (Available lots can be selected for immunization orders)
☐ Reserved
☐ Depleted

Inventory Management

Adjustment Date: 10/20/20 1:09pm
Adjustment Reason: Increase - Shipment Received
Note:
Current Quantity: 0 Doses
Increase Quantity + 0 Doses
New Quantity: 0 Doses

Diluent

Information retrieved from barcode

Cancel Save

Review Lot Details scanned from the barcode or
manually enter them

Sending Good Data

Vaccine Lot Manager



Vaccine Lot Manager - Add Lot

Lot

Immunization: Hib-PRP-T CVX: 48

Manufacturer: select a manufacturer

NDC: select NDC

Lot Number: 49281-0545-03
49281-0545-05
49281-0547-58

Expiration Date: 58160-0726-15
58160-0806-01
58160-0806-05
58160-0816-01
58160-0816-03
58160-0816-05
58160-0818-11

► Diluent

CVX 48 has **10** possible NDC codes

Vaccine Lot Manager - Add Lot

Lot

Immunization: Hib-PRP-T CVX: 48

Manufacturer: Sanofi Pasteur MVX: PMC

NDC: select NDC

Lot Number: 49281-0545-03
49281-0545-05
49281-0547-58

Expiration Date: 58160-0726-15
58160-0806-01
58160-0806-05
58160-0816-01
58160-0816-03
58160-0816-05
58160-0818-11

Funding Source: select a funding source

Location: Burlington Peds - Flu Clinic

► Diluent

CVX 48 + MVX PMC has **3** possible NDC codes

Vaccine Lot Manager - Add Lot

Lot

Immunization: Hib-PRP-T CVX: 48

Manufacturer: GlaxoSmithKline MVX: SKB

NDC: select NDC

Lot Number: 58160-0726-15
58160-0806-01
58160-0806-05
58160-0816-01
58160-0816-03
58160-0816-05
58160-0818-11

► Diluent

CVX 48 + MVX SKB has **7** possible NDC codes

Status

- ☒ Available (Available lots can be selected for immunization orders)
- ☐ Reserved
- ☐ Depleted

Inventory Management

Adjustment Date: 05/27/25 4:43pm

Adjustment Reason: Increase - Shipment Received

Note:

Current Quantity: 0 Doses

Increase Quantity + 0 Doses

New Quantity: 0 Doses

Cancel Save

Lot Details Manual Entry

CVX, MVX (manufacturer) and NDC codes work together

Sending Good Data

Vaccine Lot Manager



Vaccine Lot Manager - Add Lot

Lot

Immunization: HIB CVX: 49

Manufacturer: Merck and Co., Inc. MVX: MSD

NDC: 00006-4897-01

Lot Number: UB56789

Expiration Date: mm/dd/yy

Funding Source: State funds

Location:

► Diluent

- Private funds
- Federal funds
- State funds**
- Military funds
- Tribal funds
- Public
- Public VFC
- Public non-VFC
- Other funds
- Unspecified funds

Funding Source	
What is sent To the Registry	What you see In the EHR
VXC1	Federal funds
VXC2	State funds
VXC3	Tribal funds
VXC50	Public
VXC51	Public VFC
VXC52	Public non-VFC
PHC68	Military funds
PHC70	Private funds
OTH	Other funds
UNK	Unspecified funds

Select Funding Source
(HL7 Translation)

Sending Good Data

Vaccine Lot Manager



Status

☒ Available (Available lots can be selected for immunization orders)

☐ Reserved

☐ Depleted

Inventory Management

Adjustment Date: 07/09/19 10:23am

Adjustment Reason: Increase - Shipment Received ▼

Note:

Current Quantity: 0 Doses

Increase Quantity + 50 ± Doses

New Quantity: 50 Doses

- Status marked as “Available” will be available for selecting when completing an immunization order
- You will still be able to select an “Available” lot even when the quantity is below zero.

Adjust Quantity



Reports & Tools

To help find errors before they happen or fix them when the do.

- Immunization Administration Details report
 - Create a custom report from the default report
 - Click on column headers to spot missing data
 - Fix imms orders before the get batched and sent to the registry
- Immunization Registry Response Viewer
 - ACK messages returned from the registry can be seen here
 - Find out when the registry processed immunization records
 - Find errors and warning and fix them to submit updated records



Reports & Tools

Report Library » Immunization Administration Details

Report Library

ReportsSchedu

Reports

Front DeskImmunization

Search Filter:

Name	Description
Immunization Administration Details	View vaccine administration details for a given date range, including funding source, VFC insurance policies and administering user.
Immunization Administration Details - Custom	Custom - date 10/30/16 - 10/31/17, 5 flu imms, all locations and users
Overdue Vaccine Recall	Find patients who are forecast to be due, or overdue, for specified vaccine families. This requires immunization forecasting to be enabled.
Overdue Vaccine Recall - CUSTOM	columns to include now 21, last visi date is now last calendar year, exclude by patient fla

Manage CategoriesClose



Reports & Tools

Tools » Immunization Registry Response Viewer

Immunization Registry Response Viewer

Search Filter: **Search**

Date/Time Received	Patient Name	PCC #	Response Status	Errors	Warnings	Reviewed
03/22/18 5:34pm	Ashley Ott	30043	Submission Rejected	1	0	
03/20/18 4:35pm	Sophia Tsougranis	23109	Submission Contained Errors/Warnings	0	1	✓
03/15/18 3:35pm	Matt Masterson	29982	Submission Rejected	1	0	
03/14/18 5:35pm	Dave Davidson	76543	Submission Contained Errors/Warnings	0	1	
03/14/18 3:36pm	Quinn J. Farkas	64319	Submission Rejected	1	0	
03/13/18 2:35pm	Pebbles Flintstone	11235	Submission Contained Errors/Warnings	0	1	
03/13/18 2:35pm	Aimee Flanagan	81321	Submission Rejected	1	0	
03/13/18 1:35pm	Emma M. Capone	34558	Submission Contained Errors/Warnings	0	1	✓
03/13/18 11:35am	Elizabeth Patterson	91442	Submission Rejected	2	2	✓
03/13/18 8:35am	Johnny Canning	33377	Submission Rejected	2	2	
03/12/18 10:35am	Brian Case	61098	Submission Rejected	1	0	✓

Response Severity: Dates: ☒ All ☐ From to Reviewed:

Care Center:

Page Up Page Down Page / 1 **Close** **Open**

Decoding Registry Responses



- **PID - Patient Identification:** Patient's Name, DOB, Sex, Race, Ethnicity; Patient's custodial account's Address, Phone, Email
- **PD1 - Patient Additional Demographics:** Share with registry, Preferred Contact Method for the Immunization Registry, Patient's Immunization Registry Status
- **NK1 - Next of Kin / Associated Parties:** Comes from Personal Contacts listed on the patient
- **ORC - Order:** Provider of visit and provider placing the order
- **RXA - Administration:** What, when, and who administered the vaccine or why it wasn't
- **RXR - Route:** Where it was administered on the patient
- **OBX - Additional details** (*with LOINC codes*): VIS (69764-9 & 29769-7), Funding (30963-3), VFC (64994-7), Contraindication Reasons (30945-0), Disease with presumed immunity (loinc)

Decoding Registry Responses



If your state registry returns ACKs (Acknowledgement messages) that we can parse Responses can be seen in the **Immunization Registry Response Viewer**.

<https://learn.pcc.com/help/immunization-registry-response-viewer/>

The examples that you can see in the learn article are the simplest and most straightforward responses but in reality the majority of the responses are never that clear and straightforward.

Decoding Registry Responses



```
MSH|^~\&|WebIZ|NHIIS|PCC|NH0828|20260709133027.723-0400||ACK^V04^ACK|NHIIS20260709302772|P|2.5.1|||NE|NE||||Z23^CDCPHINVS
MSA|AE|c011c502-9adc-49d4-be31-74bc2a94ffcc
ERR||RXR^2|999^ApplicationError^HL70357|W|3^Illogical Value error^HL70533^AIRA-DV-BR-119^Route and Site contradiction^L||NumericPath:
RXR[2], NamePath: ORDER[1]/RXR, RuleId: , ApplicationErrorCode: AIRA-DV-BR-119, AIRA Data Validation Guide Rule: BR 119|RXR-1 (Route)
and RXR-2 (AdministrationSite) contradict each other for the given Vaccine Type in RXA-5 (AdministeredCode) and Patient's age on RXA-3
(DateTimeStartOfAdministration) when RXA-20 (CompletionStatus) is valued "CP" or "PA" and RXA-21 (ActionCode) is not valued "D". Please
see BR-119 in the AIRA Data Validation Guide.
ZSA|AW^Application Warning - One or more ERR segments returned with at most a severity of W for
Warning^ENV0008|43894146^^^NHIIS^HL7LogIdIncoming~41276645^^^NHIIS^WebServiceLogIdIncoming~c011c502-9adc-49d4-be31-74bc2a94ffcc^^^NH0828
^MessageControlId|986486^^^NHIIS^SR
```

Immunization Registry Response Viewer

Response - 07/09/26 1:30pm (Submission Contained Errors/Warnings)

General

	Submitted Data	Response Severity	Response Message	Response Notes
Additional Information		Warning	Illogical Value error	RXR-1 (Route) and RXR-2 (AdministrationSite) contradict each other for the given Vaccine Type in RXA-5 (AdministeredCode) and Patient's age on RXA-3 (DateTimeStartOfAdministration) when RXA-20 (CompletionStatus) is valued "CP" or "PA" and RXA-21 (ActionCode) is not valued "D". Please see BR-119 in the AIRA Data Validation Guide.

Immunization data submitted to New Hampshire Immunization Information System (NHIIS) on 07/09/26 at 1:00pm

Display: ☒ Errors and Warnings Only ☐ Full Report

☐ Reviewed by

user name

 at

mm/dd/yy

 12:00am

Open Chart

Save + Next

Cancel

Save

Decoding Registry Responses

Real world responses



Immunization Registry Response Viewer

Response - 06/29/26 8:11am (Submission Rejected)

Patient Demographics

	Submitted Data	Response Severity	Response Message	Response Notes
Patient Name	Smith, Bb	Error		Patient_First_Name: GenericPatientFirstName
Race		Warning		Race: ValueMissing
Ethnic Group		Warning		Ethnic_Group: ValueMissing

Historical Immunization: 06/24/26 - HepB Peds (Engerix) (CVX 08) - Lot #

	Submitted Data	Response Severity	Response Message	Response Notes
Observation Value	UNK Unspecified NULLFL	Warning		Observation_Value: TableValueNotFound

Immunization data submitted to New York City Citywide Immunization Registry (CIR) on 06/29/26 at 6:00am

Display: ☒ Errors and Warnings Only ☐ Full Report

☐ Reviewed by at

Baby Name Place Holder (CIR)

Decoding Registry Responses

Real world responses



Immunization Registry Response Viewer

Response - 06/26/26 12:07pm (Submission Contained Errors/Warnings)

Patient Demographics

	Submitted Data	Response Severity	Response Message	Response Notes
Patient Name	Doe, Baby	Error		The First Name should not be MASKED value :Baby

Immunization data submitted to Michigan Care Improvement Registry (MCIR) on 06/26/26 at 12:05pm

Display: ☒ Errors and Warnings Only ☐ Full Report

☐ Reviewed by at

Baby Name Place Holder (MCIR)

Decoding Registry Responses

Real world responses



Immunization Registry Response Viewer
Response - 07/01/26 7:18am (Submission Contained Errors/Warnings)

Patient Demographics

	Submitted Data	Response Severity	Response Message	Response Notes
Ethnic Group	Prefers not to answer CDCREC	Warning		IEE-319::Warning. The patient's ethnicity in PID-22 is missing. If your organization is able to capture and report this information then do so using the HL70189 CDCREC code set.

General

	Submitted Data	Response Severity	Response Message	Response Notes
Additional Information		Warning	Invalid value	IEE-519::Warning. NK1 Segment/Responsible person, missing.

Immunization data submitted to Texas Immunization Registry (ImmTrac) on 07/01/26 at 6:00am

Display: ☒ Errors and Warnings Only ☐ Full Report

☐ Reviewed by at

Decoding Registry Responses

Real world responses



Immunization Registry Response Viewer

Response - 06/08/26 6:15pm (Submission Contained Errors/Warnings)

Patient Demographics

	Submitted Data	Response Severity	Response Message	Response Notes
Birth Order	0	Warning	Required observation missing	PID-25 (BirthOrder): Has a conditionally required element [BirthOrder]. Expectation: value PID-25 (BirthOrder) is required to have a positive integer when PID-24 (MultipleBirthIndicator) is set to Y.

Immunization data submitted to Missouri Immunization Registry (ShowMeVax) on 06/08/26 at 2:00pm

Display: ☒ Errors and Warnings Only ☐ Full Report

☐ Reviewed by at

Open Chart

Save + Next

Cancel

Save

Birth Order



Pediatric EHR Solutions



Decoding Registry Responses

Real world responses



Immunization Registry Response Viewer

Response - 06/25/26 10:10am (Submission Contained Errors/Warnings)

New Immunization: 06/25/26 - Meningococcal (Menveo) (CVX) - Lot #

	Submitted Data	Response Severity	Response Message	Response Notes
Administered Code	Meningococcal (Menveo) NDC	Error		(Owned Dose) Second triplet contains an invalid Coding System - . Dose Rejected
Observation Value	UNK Unspecified NULLFL	Warning		INVALID OBX SEGMENT - LOINC CODE VACCINES PURCHASED WITH SPECIFIED WITH INVALID OR MISSING OBX-05 FUNDING CODE - VACCINES PURCHASED WITH INFORMATION IGNORED.

Immunization data submitted to North Carolina Immunization Registry (NCIR) on 06/25/26 at 9:00am

Display: ☒ Errors and Warnings Only ☐ Full Report

☐ Reviewed by at

Open Chart

Save + Next

Cancel

Save

Missing lot number (NCIR)

Decoding Registry Responses

Real world responses



Immunization Registry Response Viewer

Response - 06/23/26 3:05pm (Submission Contained Errors/Warnings)

New Immunization: 06/23/26 - Meningococcal (Menveo) (CVX 136) - Lot #

	Submitted Data	Response Severity	Response Message	Response Notes
Substance Lot Number		Error	NEW IMMUNIZATION DOSE LOT NUMBER IS MISSING.	
Substance Manufacturer Name		Error	Required field missing	
Additional Information		Error	Required field missing	

Immunization data submitted to New Jersey Immunization Information System (NJiIS) on 06/23/26 at 3:00pm

Display: ☒ Errors and Warnings Only ☐ Full Report

☐ Reviewed by at

Missing lot number (NJiIS)

Decoding Registry Responses

Real world responses



Immunization Registry Response Viewer

Response - 06/23/26 7:12pm (Submission Contained Errors/Warnings)

New Immunization: 06/23/26 - Tdap (Adacel) - VFC (CVX 115) - Lot # U8906AA

	Submitted Data	Response Severity	Response Message	Response Notes
Observation Value	V03 VFC eligible - Uninsured HL70064	Error	Illogical Value error	OBX-5 (ObservationValue): The age limit associated with the specified eligibility is less than the patient's age at the time of the immunization. Patient was 22 years of age at the time of the immunization on 06/23/2026. The cut-off is 18 years of age.

Immunization data submitted to Oklahoma Immunization Information System (OSIIS) on 06/23/26 at 7:00pm

Display: ☒ Errors and Warnings Only ☐ Full Report

☐ Reviewed by at

Open Chart

Save + Next

Cancel

Save

VFC Eligibility



Pediatric EHR Solutions



Decoding Registry Responses

Real world responses



Immunization Registry Response Viewer

Response - 07/06/26 11:15am (Submission Contained Errors/Warnings)

New Immunization: 07/06/26 - HepA Peds (Vaqta) (CVX 83) - Lot # Z005021

	Submitted Data	Response Severity	Response Message	Response Notes
Observation Value	253088698300004211211015 Hepatitis A Vaccine VIS cdcgs1vis	Warning	Illogical Value error	OBX-5 (ObservationValue): Unrecognized/unsupported value: [253088698300004211211015\S\Hepatitis A Vaccine VIS\S\cdcgs1vis]. Expectation: value in OBX-5.1 (ObservationValue) must have a value in CDCGS1VIS when OBX-3.1 (ObservationIdentifier) is "69764-9" (Document type) and OBX-2 (ValueType) is "CE".

Immunization data submitted to Missouri Immunization Registry (ShowMeVax) on 07/06/26 at 11:00am

Display: ☒ Errors and Warnings Only ☐ Full Report

☐ Reviewed by user name at mm/dd/yy 12:00am

Open Chart

Save + Next

Cancel

Save



Pediatric EHR Solutions

Old VIS Sheet



Decoding Registry Responses

Real world responses



<https://www.cdc.gov/iis/code-sets/vis-barcode-lookup-table.html>

The one selected for the 2026 HepA was the 2021 edition but the registry was expecting the current one from 2025.

Hepatitis A Vaccine VIS	7/20/2016	253088698300004211160720	0886983000042	Historic	7/28/2020
Hepatitis A Vaccine VIS	7/28/2020	253088698300004211200728	0886983000042	Historic	10/15/2021
Hepatitis A Vaccine VIS	10/15/2021	253088698300004211211015	0886983000042	Historic	01/31/2025
Hepatitis A Vaccine VIS	01/31/2025	253088698300004211250131	0886983000042	Current	01/31/2025
Hepatitis A VIS	10/25/2011	253088698300004211111025	0886983000042	Historic	7/20/2016

Old VIS Sheet

Decoding Registry Responses

Real world responses



Immunization Registry Response Viewer

Response - 06/29/26 8:05am (Submission Contained Errors/Warnings)

General

Submitted Data	Response Severity	Response Message	Response Notes
Additional Information	Warning	Message Item Match-List failed to match correctly	

Immunization data submitted to New Jersey Immunization Information System (NJIS) on 06/29/26 at 6:00am

Display: ☒ Errors and Warnings Only ☐ Full Report

☐ Reviewed by at

Missing Admin Site

Decoding Registry Responses

Real world responses



Immunization Registry Response Viewer

Response - 06/29/26 8:05am (Submission Contained Errors/Warnings)

Action Code - TXRX			
Route	IM Intramuscular HL70162		
Set ID - OBX	1		
Value Type	CE		
Observation Identifier	64994-7 Vaccine funding program eligibility category LN		
Observation Sub-ID	1		
Observation Value	V01 Not VFC eligible HL70064		
Observation Result Status	F		
Date/Time of Observation	06/27/2026		
Observation Method	VXC40 Eligibility captured at the immunization level CDCPHINVS		

General

Submitted Data	Response Severity	Response Message	Response Notes
Additional Information	Warning	Message Item Match-List failed to match correctly	

Display: ☐ Errors and Warnings Only ☒ Full Report ☐ Reviewed by at

Missing Admin Site

Decoding Registry Responses

Real world responses



Immunization Registry Response Viewer
Response - 07/09/26 11:05am (Submission Accepted)

Route	IM Intramuscular HL70162			
Administration Site	LVL Left Vastus Lateralis HL70163			
Set ID - OBX	1			
Value Type	CE			
Observation Identifier	64994-7 Vaccine funding program eligibility category LN			
Observation Sub-ID	1			
Observation Value	V02 VFC eligible - Medicaid/Medicaid Managed Care HL70064			
Observation Result Status	F			
Date/Time of Observation	07/09/2026			
Observation Method	VXC40 Eligibility captured at the immunization level CDCPHINVS			

General

Display: ☐ Errors and Warnings Only ☒ Full Report

☐ Reviewed by at

With Admin Site

Decoding Registry Responses

Real world responses



Immunization Registry Response Viewer

Response - 06/18/26 10:10am (Submission Contained Errors/Warnings)

Historical Immunization: 06/18/26 - HPV 9 (CVX 165) - Lot #

Submitted Data	Response Severity	Response Message	Response Notes
Substance/Treatment Refusal Reason	Warning	Required observation missing	RXA-18 (SubstanceTreatmentRefusalReason): Has a conditionally required element [SubstanceTreatmentRefusalReason]. Expectation: value is not empty when RXA-20 (CompletionStatus) is valued "RE". Refusal will still be added/updated with a reason of Other since a reason could not be found.

General

Submitted Data	Response Severity	Response Message	Response Notes
Additional Information	Error	Required observation missing	The Segment will not load due to missing or invalid required data. Expectation: value for fields segment when defining a refusal must have a valid refusal reason in RXA-18 (SubstanceTreatmentRefusalReason) and have RXA-20 (CompletionStatus) set to "RE". Also, the reserved CVX codes (99,998,999) may not be assigned as the refused immunization. These rules from the national implementation guide help prevent accidental setting of refusals for vaccinations or adding of vaccinations that were meant to be refusals.
Additional Information	Error	Invalid value	Not processing order group, the following error occurred: 1 or more segments in the ordered group contains errors preventing execution of the group.

Immunization data submitted to Nevada Statewide Immunization Information System (Nevada WebIZ) on 06/18/26 at 10:00am

Display: ☒ Errors and Warnings Only ☐ Full Report

☐ Reviewed by at



HL7 Message Map

Demographics

 PCC EHR

Allison Karper PCC# 2011

Medical Summary

Demographics

Patient Demographics

Communication Preferences

Personal Contacts

Account Demographics

Pre-Check-In Recipient

Account Notes

Patient Portal Users

Siblings

Policies

Account Balances

Account Forms

Patient Forms

Insurance Eligibility

History

Demographics

Allison L. Karper

First Name: Allison

Nickname:

Middle Name: L. PID-5

Last Name: Karper

Suffix:

Date of Birth: 03/21/22 PID-7

Sex: Female PID-8

Deceased: ☒ No ☐ Yes

Birth History

GA at Birth: weeks days

Multiple Birth: ☐ PID-24 ☐ PID-25

Race, Ethnicity, and Preferred Language

Race: PID-10

Ethnicity: PID-22

Pref. Language: PID-15

Allison L. Karper 4 yrs, 1 mo 03/21/22 F

Patient Information

Patient Flags: Chronic

PCP: None

Other ID:

School:

Note:

ImmTrac ID: 08820

Relation to Bill Payer: Child

Alternate Identifiers

Patient Medicaid number: PID-3

Mother's Maiden Name

First Name: PID-6

Middle Name:

Last Name:



HL7 Message Map

Demographics

 PCC EHR

Allison Karper* PCC# 2011

Medical Summary

Demographics

Patient Demographics

Communication Preferences

Personal Contacts

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Siblings

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Account Balances

Account Forms

Demographics

Allison L. Karper 4 yrs, 1 mo 03/21/22 F

Immunization Registry Communication Preferences

Share with Registry: ☒ Undetermined ☐ Yes ☐ No PD1-12 & (PD1-13 eff. date)

Preferred Contact Method for the Immunization Registry: Undeter PD1-11 & (PD1-18 eff.date)

Patient's Immunization Registry Status: Unknown PID-16 & (PD1-17 eff. date)

Personal Contacts

Sprague Dill (Custodian, Mother) NK1-2 & NK1-3

Home Phone: 802-555-0127 NK1-5

Work Phone: 802-555-0129

Cell Phone: 802-555-0155 NK1

Emg Phone: 802-555-0122

Phone Notification:

Email Notification: NK1-5

Address: 3580A Wynnewood Road
Canaan, VT 05901 NK1-4

Note:

select a personal contact



HL7 Message Map

Demographics

 **PCC EHR**

Allison Karper* **PCC# 2011**

[Medical Summary](#)

[Demographics](#)

[Patient Demographics](#)

[Communication Preferences](#)

[Personal Contacts](#)

[Account Demographics](#)

[Pre-Check-In Recipient](#)

[Account Notes](#)

[Patient Portal Users](#)

[Siblings](#)

[Policies](#)

[Account Balances](#)

[Account Forms](#)

[Patient Forms](#)

Demographics

Account Demographics

Home and Billing Account

Sprague Dill (Account # 1547)

First Name:

Last Name:

Address

PID-11

Phone

Home Phone: **PID-13**

Work Phone:

Cell Phone:

Emg Phone:

Email: **PID-13**

Account Information

Account Flags:

EMG Contact:

EMG Phone #:

Alt Last Name:

Mother Employer:

Father Employer:

Pharmacy #:

Recent Financial History

Last Service: 05/09/26

Last Bill Sent: 04/26/25

Last Pers. Pmt: 05/09/26

Last Ins. Pmt: 04/21/26

Hold Bill Until:

Budget Amt:

Allison L. Karper 4 yrs, 1 mo 03/21/22 F



HL7 Message Map

Immunization

Lot	
Immunization:	HPV RXA-5 CVX: 62
Manufacturer:	Merck RXA-17 Inc. MVX: MSD
NDC:	00006-4045-01 RXA-5
Lot Number:	78965 RXA-15
Expiration Date:	11/30/26 RXA-16
Funding Source:	Federal OBX (30963-3)
Location:	select a location

✓ HPV	Administered 06/21/24 RXA-3 & 4	To: Maria Horn
VFC:	VFC eligible - Medicaid/Medicaid Managed Care OBX (64994-7)	
Dose:	0.5 mL	RXA-6 & 7
Lot #:	78965 (Federal funds)	Scan
VIS:	Human papill OBX (69764-9) (Gardasil) VIS (E + VIS Gi OBX (29769-7)	
Note:	enter a note	
☒ Administered	Route: Intramuscular RXR-1	Site: Left Deltoid RXR-2
☐ Refused	Reason: select a reason RXA-18	
☐ Contraindicated	Reason: select OBX (30945-0) reason & (30946-8) eff. date	
☐ Canceled		
Administered by:	Zelda Zen RXA-10	06/21/24 3:58pm RXA-3 & 4
DISCARD CHANGES SAVE CHANGES		

Scheduling provider for the visit. **ORC-12**

EHR user who clicked on the Order button **ORC-10**

Retrieving immunizations



Immunization History Janis Joplin 4 yrs, 10 mos 3/01/16 F

Vaccines Retrieve Imms Print

DTaP	
Tdap	
Hepatitis A	

- Only returns a single patient match
 - Matches on: Patient Name, DOB, Address & Mother's Maiden Name
 - Too many matches?
 - Not enough demographic info for a unique match
 - Possible duplicate records in the registry
 - No match?
 - Not enough demographic info
 - No record in the registry
- Imports immunizations that link to existing entries in the Immunization/Disease table by the CVX code

Retrieving immunizations

Finding a patient match and immunizations



Retrieve Immunizations

Retrieve Immunizations - Confirm Patient Match

Patient Demographics	PCC EHR	CAIR
Patient Name	Janis Joplin	JANIS JOPLIN
Date of Birth	03/01/2016	03/01/2016
Sex	Female	F
Home Address	16 Moonbeam Half Moon Bay, CA 94019	16 MOONBEAM HALF MOON BAY, CA 94019
Mother's Maiden Name		JULIE JOPLIN
Multiple Birth	No	No

Confirm patient match

Highlighted dates are records in the registry that are not in the EHR

Cancel Next

Retrieve Immunizations

Retrieve Immunizations - Results

Janis Joplin 4 yrs, 10 mos 3/01/16 F

Vaccine History (CAIR)

DTaP-HepB-IPV	05/01/2016	07/01/2016
Hib-PRP-T	05/01/2016	07/01/2016
PCV13	05/01/2016	07/01/2016

Diseases (CAIR)

No vaccine-preventable diseases reported for this patient

Forecasting Results (CAIR)

Vaccine Family	Dose #	Recommended Date	Minimum Date	Past Due Date	Maximum Date
DTP/aP	3rd	09/01/2016 (6m)	07/29/2016		
HepA	1st	03/01/2017 (1y)	03/01/2017		
HepB	3rd	09/01/2016 (6m)	08/26/2016		
Hib	4th	03/01/2017 (1y)	03/01/2017		
Influenza-seasn1	1st	08/01/2020 (4y 5m)	09/01/2019		
MMR	0th	03/01/2017 (1y)	03/01/2017		
PneumoConjugate	4th	03/01/2017 (1y)	03/01/2017		
Polio	4th	03/01/2020 (4y)	03/01/2020		
Varicella	1st	03/01/2017 (1y)	03/01/2017		

Back Close Next

Retrieving immunizations

Importing immunization records



Retrieve Immunizations - Import

Janis Joplin 4 yrs, 10 mos 3/01/16 F

Selected immunizations will be added to the patient's Immunization History.

☒ **DTaP-HepB-IPV (CVX 110)** as VFC DTaP-HepB-IPV

☒ 05/01/2016

☒ 07/01/2016

☒ **PCV13 (CVX 133)** as Prevnar 13

☒ 07/01/2016

☐ **Hib-PRP-T (CVX 48)** - Not configured in PCC EHR

☐ 05/01/2016

☐ 07/01/2016

Back Close Import

Only one entry in the Immunization/Disease table that uses that cvx code (133).

More than one immunization in the Immunization/Disease table using the same CVX code (110). Use the drop down to select which entry to link it to.

No entries in the Immunization/Disease table with a matching CVX code (48). Contact PCC Support if you want to be able to import these vaccines.

Tips & Tricks



- Add default dose amounts in the Immunization/Disease table
- You can set display and order of Immunizations you see in Immunization History through Immunization Configuration
- Be sure to use CVX codes that match the immunizations being administered for example DTaP could be 106 or 20
- NDC codes can help confirm the CVX/MVX code match, use NDC codes in the Vaccine Lot Manager.
- Have patient demographics complete before adding immunizations to their chart.
- Know your state specific immunization reporting requirements: VFC eligibility, Funding Source, opt-in/out...
- Review reports in the EHR and in your state registry regularly.





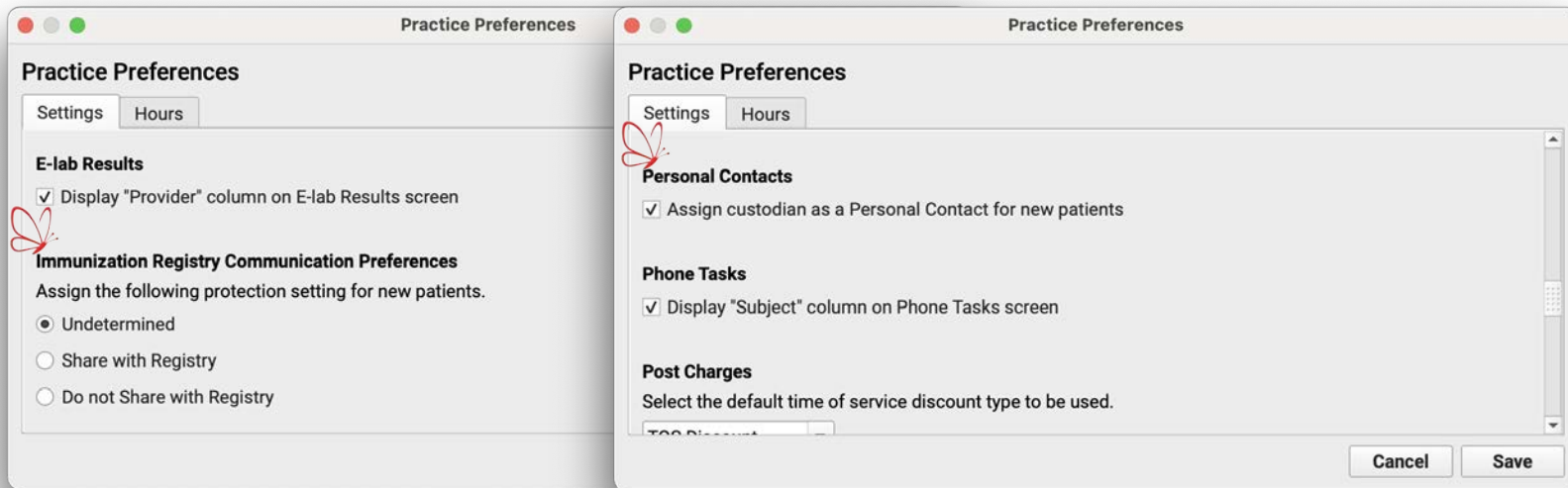
Configuration

- Setting practice defaults for “Share with Registry” and “Personal Contacts”
- Enabling Maiden name, Multiple Birth Indicator and Alternate IDs in the Patient Demographics Component
- Enabling Communication Preference for Protection (Share with Registry field), Recalls/Reminders preference and Registry status
- Immunization/Disease Table
- Provider Table
 - Scheduling provider’s NPI listed here
- User Administration
 - Administering and Ordering provider’s NPIs listed here
- Immunization Configuration
 - Control which immunizations without dates display in immunization history
 - Set the order in which the immunizations display
 - Which diseases are sent to the registry



Configuration

Setting defaults



Practice Defaults settings for **Immunization Registry Communication Preferences**
(The “Share with Registry” default protection settings) & **Personal Contacts**

Under the Configuration Menu
Practice Preferences → Settings Tab



Configuration

Setting Patient Demographics Component

Under the Configuration Menu

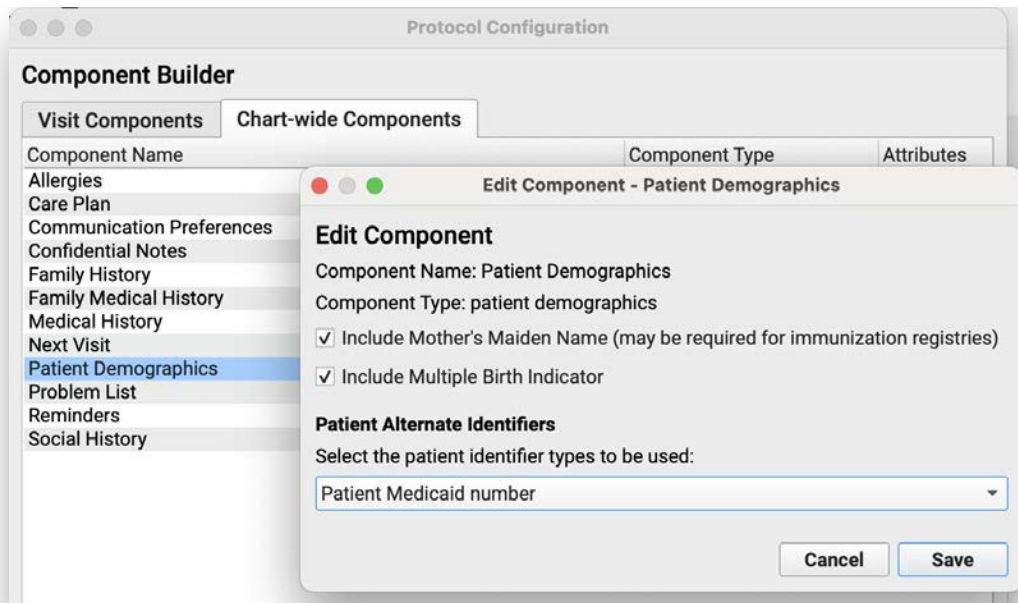
Protocols →

Component Builder →

Chart-wide Components →

Patient Demographics

- Maiden name
- Multiple Birth Indicator
- Alternate IDs





Configuration

Setting Communication Preferences Component

Under the Configuration Menu

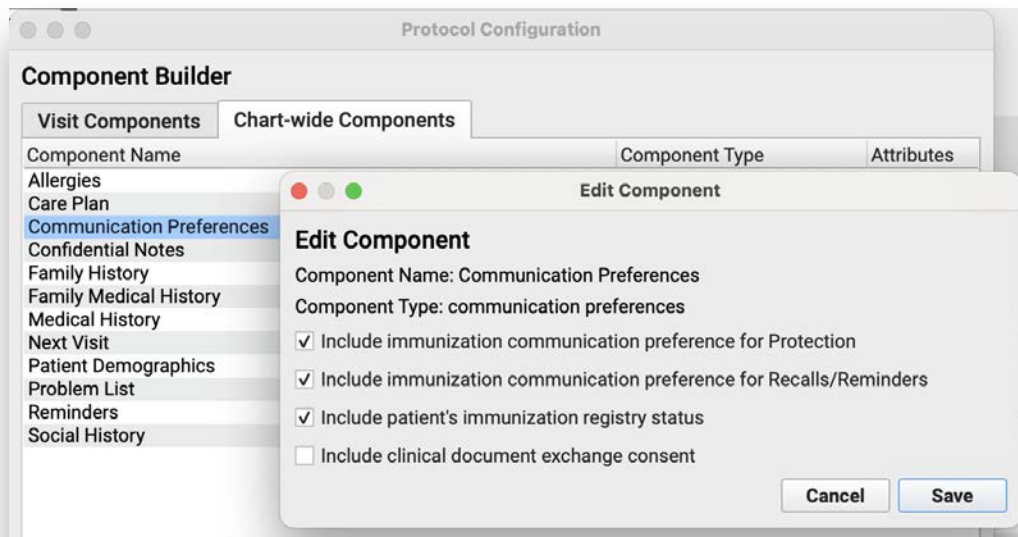
Protocols →

Component Builder →

Chart-wide Components →

Communication Preferences

- Communication preference for Protection (*This is the Share with Registry field*)
- Recalls/Reminders preference
- Registry status





Configuration

Immunization/Disease Table

Under the Configuration Menu:
Tables →
Immunization/Disease

Here is where you can:

- View CVX code
- Set default dose amount
- Set orderability

Name	Type	Orderable	Procedure Code/Names	CVX
Astrazeneca Covid-19 vac 210	Immunization	Yes		210 (COVID-19 vaccine, vector-nr, rS-ChAdOx1, PF, 0.5 n
Bexsero 163	Immunization	Yes		163 (meningococcal B, OMV)
Chicken Pox Illness	Disease	Yes	052.*	
Cholera, BivWC 173	Immunization	Yes		173 (cholera, BivWC)
Cholera, Live attenuated 174	Immunization	Yes		174 (cholera, live attenuated)
Cholera, WC-rBS 172	Immunization	Yes		172 (cholera, WC-rBS)
Covid Moderna 221	Immunization	Yes		221 (COVID-19, mRNA, LNP-S, PF, 50 mcg/0.5 mL dose)
Covid Moderna 6-12 227	Immunization	Yes		227 (COVID-19, mRNA, LNP-S, PF, pediatric 50 mcg/0.5
Covid Moderna 6m-6y 228	Immunization	Yes		228 (COVID-19, mRNA, LNP-S, PF, pediatric 25 mcg/0.2



Configuration

Immunization/Disease Table

Hold-overs from
Partner Only
(Pre-PCC EHR) days.

- Proc Code/Name
- Send to State
Immunization Registry
- Immunization Registry
Codes

Has **NO effect** on
HL7 immunization
record submissions.

Tables

Editing 2 of 93

ID: 53

Immunization/Disease — Edit

Name: Bexsero

Orderable in PCC EHR: ☒ Yes ☐ No

Type: Immunization

Proc Code/Name:

CVX: 163 (Meningococcal b, omv)

Default Dose (mL): 0.5

Send to State Immunization Registry: No

Immunization Registry Codes

Schedule A:

Schedule B:

Schedule C:

Save + Next Cancel Save

- Orderable in PCC EHR
*Determines if it can be ordered in the EHR (Yes)
or only used to record historical imms (No)*
- CVX
*CVX code links the immunization order to the
vaccine lot and/or immunizations imported from
querying the registry*
- Default Dose (mL)
*Setting the default dose prevents missing dose
amount when submitting records*



Configuration

Providers Table

Under the Configuration Menu:
Tables →
Providers

Here is where you can:

- Add/confirm scheduling provider's NPI which goes out in the HL7 message under in *ORC-12 Ordering Provider*

Providers

27 Entries

Search Filter:

Provider Name	Short Name	Provider Group	EHR User	Tax ID	NPI	Taxon
Alfred Woodward, M.D.	Dr. Woodward	Williams	Alfred Woodward, M.D. (alfred)	098274782	1234567893	92203
Beverly Crusher, MD	Crusher	Retired	Beverly Crusher, M.D. (beverly)	123456789	1234567893	20800
Elizabeth Mary Casey, MD	Dr. Casey	Casey	Elizabeth Casey, M.D. (elizabeth)	093827873	1234567893	92834
Flu	Flu	Retired	Dr. Flu (flu)	232210815	1234567893	20800
Fred Jones, M.D.	Dr. Jones	Williams	Fred Jones, M.D. (fred)	092829823	1234567893	39209
James Davidson, Jr. M.D.	Dr. Davidson	Davidson	James Davidson, M.D. (james)	097284859	1234567893	29839
Kathleen W. Gomez, M.D.	Dr. Gomez	Gomez	Kathleen W. Gomez, M.D. (kathleen)	097482746	1234567893	98239
Leonard McCoy, MD	McCoy	Retired	Leonard McCoy, M.D. (leonard)	123456789	1234567893	20800
Mark Williams, M.D.	Dr. Williams	Williams	Mark Williams, M.D. (mark)	093849583	1234567893	90876

Export History Add Clone Edit Back



Configuration

User Administration

Under the Tools Menu:
User Administration

Here is where you can:

- Add/confirm EHR user's NPI which goes out in the HL7 message in
 - ORC-10
Issuing Provider
 - RXA-11
Administering Provider

User Administration

Users Roles Display Order Chat Groups

Users

☐ Include disabled user accounts

Search Filter:

Enabled	Full Name	Username	NPI	Provider	Role(s)	PCC eRx Role(s)
✓	Elizabeth Casey, M.D.	elizabeth	3969335132	Elizabeth Mary Casey, MD	Administrative, Clinical+, PCC Role	Provider
✓	Mark Williams, M.D.	mark	1234567893	Mark Williams, M.D.	Clinical+, PCC Role	Provider
✓	Zelda Zen, LNA	zelda			Clinical+, Nurse, PCC Role	Provider Agent

Edit User Account

Zelda Zen Username: zelda

Account Information Role Assignment PCC eRx

Practice Management (Partner) password:

Remote Server Access (Practice Management Authentication Required)

☐ Allow remote server access

Identifiers

State License:

NPI: (10 digits)

DEA: (9 characters)



Configuration

Immunization Configuration

Under the Configuration Menu:
Immunizations

Here is where you can:

- Immunization Configuration Tab
 - Select which immunizations to display on the Immunization History screen and the order in which they appear.
- Diseases Tab
 - Select diseases to send to the registry.

Immunization Configuration

Immunization History Screen Diseases

Immunization History Screen

Drag and drop immunizations to re-arrange their sequence in Immunization History.

Display	Immunization
☐	~DTP
☐	DT Pedi 28
☒	DTaP 20
☒	Tdap 115
☒	Hepatitis A 83

Uncheck "Display" to hide the immunization name on the Immunization History screen. Hidden immunizations will display when a patient has history of the immunization.

Cancel Save



Configuration

Immunization Configuration

Imms displayed with or without dates

PCC EHR

Immunization History Allison L. Karper 4 yrs, 1 mo 03/21/22 F

Vaccines [Print](#)

DTaP 20	05/20/22	07/17/22	09/23/22
Tdap 115			
Hepatitis A 83			
Hepatitis B 08			
HIB Unspec 17	07/17/22		
HPV 62			
Influenza 88	01/19/25		
IPV 10	05/20/22	07/17/22	12/17/22
Menactra MCV4P 114			
MMR 03	06/16/23		
MMRV 94			
Rotavirus (3 dose) 116			
Td Adult 09			
Varicella 21	03/24/23		
DTaP/HIB 50	06/16/23		
HepB/HIB 51	05/20/22	09/23/22	

[Add Imms](#) [Edit Imms](#) [Add Phone Note](#) [Add Portal Message](#) [Close](#) [Save](#) [Save + Exit](#)

1 [Chat](#) [PCC News](#) Signed in: zelda at Winooski •

Imms only displayed with dates

PCC EHR

Immunization History Allison L. Karper 4 yrs, 1 mo 03/21/22 F

Vaccines [Print](#)

DTaP 20	05/20/22	07/17/22	09/23/22
HIB Unspec 17	07/17/22		
Influenza 88	01/19/25		
IPV 10	05/20/22	07/17/22	12/17/22
MMR 03	06/16/23		
Varicella 21	03/24/23		
DTaP/HIB 50	06/16/23		
HepB/HIB 51	05/20/22	09/23/22	
~Pevnar 7	07/17/22	09/23/22	12/17/22 03/24/23
Ordered			

Diseases

There are no vaccine-preventable diseases for this patient

Forecasting Results Last updated: 05/15/26 10:43am ☒ Show Informational Warnings(0) [Refresh](#)

Vaccine Family	Dose #	Recommended Date	Minimum Date	Past Due Date	Maximum Date

[Add Imms](#) [Edit Imms](#) [Add Phone Note](#) [Add Portal Message](#) [Close](#) [Save](#) [Save + Exit](#)

1 [Chat](#) [PCC News](#) Signed in: zelda at Winooski •



Configuration

Immunization Configuration

Diseases Tab:

This is where you can configure diseases that go to the registry as well as which ones show on the Immunization History screen and included in reports.

Disease	Display Disease on Imms History	Include Disease on Patient Reports	Send Disease to the Immunization Registry
Vaccinia	☒	☒	☐
Varicella	☒	☒	☒
Varicella immune	☒	☒	☒
Viral hepatitis, type A	☒	☒	☐
Yellow fever	☒	☒	☐

*Patient reports include: School Form, Patient Visit Summary, and the Health Information Summary.

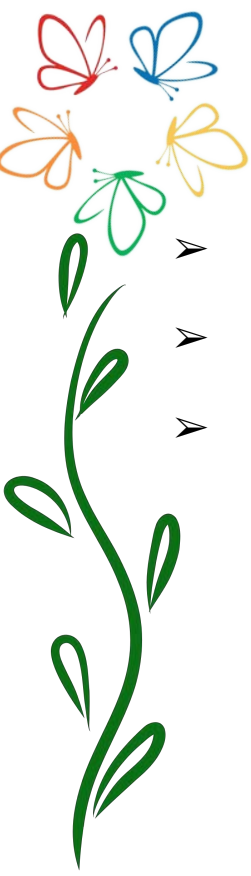
Cancel Save



Helpful Links & References

Key Learn Articles

- Immunization Registry Response Viewer:
<https://learn.pcc.com/help/immunization-registry-response-viewer/>
- Look Up and Import Patient Immunization Records from Your Local Registry:
<https://learn.pcc.com/help/retrieve-immunizations-bidirectional-registry-interface/>
- Manage Immunization Lots and Track Vaccine Inventory:
<https://learn.pcc.com/help/immunization-lots-vaccine-inventory-management/>
- Submit Immunization Records to Your Registry:
<https://learn.pcc.com/help/submit-immunization-records-to-registries/>
- Use a Barcode Scanner to Manage Immunization Lot Inventory:
<https://learn.pcc.com/help/scanning-inventory-lot-manager/>
- CVX, MVX, VIS and NDC Codes in PCC:
<https://learn.pcc.com/help/mvx-and-cvx-codes-in-pcc-ehr/>
- Add and Configure Immunizations in PCC EHR:
<https://learn.pcc.com/help/add-and-configure-immunizations/>
- Configure the Immunization History:
<https://learn.pcc.com/help/configure-the-immunization-history-screen/>



Helpful Links & References

CDC

- Mapping product names to CVX and MVX:
<https://www2a.cdc.gov/vaccines/iis/iisstandards/vaccines.asp?rpt=tradenname>
- NDC Lookup Crosswalk:
<https://www2.cdc.gov/vaccines/iis/iisstandards/vaccines.asp?rpt=ndc>
-



Helpful Links & References

User Stories and Bugs

- story #15533 PCC EHR support for multiple active IIS jurisdictions / interfaces
- story #16206 BiDx: Prevent duplicate imms from being imported due to concurrency in PCC EHR
- bug #21248 Refused button triggers Completion Status of Refused before pressing "save changes"
- story #21569 Immunization administered date should be the same as the date of visit
- story #27617 BiDirectional Imms: Ability to select all or none on the imms import screen
- story #29310 Ability to compare all imms in patient chart with imms recorded at the state registry
- story #30626 BiDx: Handle multiple patient matches
- story #36846 Retrieve Imms: Add horizontal scroll bar



Helpful Links & References

User Stories and Bugs continued...

- story #52453 BiDx: Send additional details about my patient in the QBP to increase the chance of finding a match
- story #56633 BiDx: Ability to query for multiple patients' immunizations at once (batch QBP)
- story #61076 Ability to re-queue submission of a patient's immunization to the IIS in PCC EHR
- story #61860 BiDx: Display manufacturer name on import dialog
- story #62551 Immunization orders: Add validation or designate required fields to reduce IIS errors and rejections

Plus any more that might be generated from this presentation...

Session Takeaways

- What goes to the registry and when
- Components, settings, defaults in the EHR
- Understanding registry responses





**Please complete the course
survey in the UC App.**





Asking Questions:

Virtual attendees: Use the chat if you have a question that you want answered

In-person attendees: Go to the stationary microphone in your room.

CEUs:

You can request CEU codes for qualifying sessions using the form PCC shares out at the conclusion of the conference.

Do you have any questions?

