



COVID-19 Vaccine Refusal

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COVID-19 Vaccine Refusal Workgroup

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COVID-19 Vaccine Refusal Workgroup (con't)

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Presented By...

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COVID-19 Vaccine Refusal Learning Objectives

At the end of the session participants should be able to:

- Describe Background & History
- Analyze Purpose
- Review IHS-CDC COVID-19 Vaccine Data Management Agreement
- Summarize the Definition of Vaccine Refusal
- Analyze the Best Practice for Documenting Vaccine Refusal
- Evaluate the Impact of Documenting Vaccine Refusal
- Discuss Future Vaccine Information System Enhancements
- Review IHS Central Aggregation Service (CAS) for Refusals



Background: CDC-HL7 Guide

Jan Hicks-Thomson, MSW, MPA, A&W

CDC COVID-19 Response Federal Partners

- Exemption/refusal reason indicates the reason the patient is either exempt from the immunization or refuses the immunization
- VXU Example #8—Send Information Indicating Immunization Refusal
- Clients or their parents may choose not to be immunized against a particular disease or diseases
- It is important to share this information when sending immunization histories using HL7
- There are several components to messaging a refusal:
 - Refusal reason is indicated in RXA-18.
 - Completion Status in RXA-20 indicates that the vaccine was not given.
 - Amount given should be 0.



Background: CDC-HL7 Guide

Jan Hicks-Thomson, MSW, MPA, A&W

CDC COVID-19 Response

The Following Example Illustrates How to Accomplish Sharing Vaccine Refusals

- From **Implementation Guide**: Immunization Messaging (Release 1.5) 10/1/2014 Page 4
- CDC-defined NIP002 - Substance refusal reason Use in RXA-18 Value Description

00 Parental decision

01 Religious exemption

02 Other (must add text component of the CE field with description)

03 Patient decision HL7 Version 2.5.1

Note: Jan Hicks-Tomson reached out to a few POCs within the jurisdictions to ask how they are managing this from a reporting perspective. Jurisdictions indicated that they follow the HL7 specification, and if the field for vaccine refusal reason is populated, then that translates to a “Y” for CVRS reporting; if it is not populated, then it translates to a “N” for CVRS reporting. Jurisdictions **also acknowledged** that this is challenging and population by providers in their EHRs is somewhat inconsistent.



IHS Central Aggregation Service (CAS)

CAS is following the Implementation Guide to transmit the refusal events that are received:

- The events received at CAS are being sent to CDC and NPIRS
- There is a change in the BYIM patch, currently in Alpha, regarding refusals that will help increase the frequency of refusal events being reported from RPMS



What is a Vaccine Refusal?

A Refusal or Declination of a Vaccine is defined as...

- Patient or parent/guardian directly communicating that they choose **NOT** to be Vaccinated on a specific date despite the availability of Vaccine services.
- **Documentation of Vaccine Refusal to include Risks and Benefits is a Best Practice** in providing care.
- Refusals **May Not** be inferred from a missed appointment.
- Specific Vaccine is offered again in future appointments.



Other Vaccine Definitions to Consider

- **Vaccine Hesitancy** – “Delay in acceptance or refusal of vaccination despite availability of vaccination services. It is complex and context specific, varying across time, place, and vaccines. It is influenced by factors such as complacency, convenience, and confidence”
- **Complacency** – Perception that the risks of vaccine-preventable diseases are low
- **Convenience** – Availability, affordability, and accessibility of vaccines
- **Confidence** – Trust in the safety and effectiveness of vaccines, the health care system, and policymakers who recommend vaccines



Immunization Tracking System (BI) Patch 23 Enhancements in Internal Testing

- **Current Situation** - Active entries within the **BI TABLE CONTRA REASON** file of "**Parent Refusal**" and "**Patient Refusal**"
 - **Note:** EHR Team will be removing from EHR as well
- **Inactivating** these file entries (vs. removal which would likely be technically more challenging as would need to re-assign or otherwise address the existing entries). The RPC call for "**BGOVIMM GETCONT**" would also need to return file entries based on this active/inactive field (which it current does not, but instead returns all entries in this file).
- **NUMBER: 11** **CONTRAINDICATION REASON:** Patient Refusal
 - WITHHOLD CONTRA FROM FORECAST: YES, WITHHOLD FROM (DON'T PASS TO) IMMSERVE
 - ACTIVE: ACTIVE
- **NUMBER: 16** **CONTRAINDICATION REASON:** Parent Refusal
 - WITHHOLD CONTRA FROM FORECAST: YES, WITHHOLD FROM (DON'T PASS TO) IMMSERVE ACTIVE: ACTIVE



How to Document a Vaccine Refusal in RPMS EHR



Instructions — Step 1

From **Immunization History Element**, go to **Wellness Tab > Immunization > Immunization History**.

The screenshot shows a software interface with a top navigation bar containing tabs: Notifications, Cover Sheet, Triage, Wellness (selected), Problem Mgmt, Prenatal, Well Child, Medications, Labs, Orders, Notes, Consults/Referrals, Superbill, D/C Summary, Suicide Form, Reports, and Vitals. On the left, a sidebar lists 'Ed/Exams/HF', 'Immunizations', and 'Skin Tests'. The main content area is titled 'Source: Immunization Record' with a syringe icon and an information icon. Below this, there is a 'Source:' dropdown menu set to 'RPMS'. Two text input fields are present: 'Forecast' containing 'No immunizations due.' and 'Contraindications' which is empty. Below these fields is the 'Immunization History' section, which includes buttons for 'Print Record', 'Due Letter', 'Profile', and 'Case Data', along with 'Add', 'Edit', and 'Delete' buttons. A table displays the immunization history with the following data:

Registry	Vaccine	Visit Date	Age@Visit	Location	Reaction	Volume	Inj. Site	Lot	Manufacturer	VIS Date	Administered By	Vaccine Eligibility
RPMS ONLY	DTaP	11/05/2002	56 mths	2020 DEMO HOSPITAL			Left Thigh IM					Not Eligible
RPMS ONLY	DTaP	02/04/2003	59 mths	2020 DEMO HOSPITAL			Left Thigh IM					Not Eligible



Instructions — Step 2

Click on **Add** from the **Immunization History Section**.

Immunization History

Print Record Due Letter Profile Case Data Add Edit Delete

Registry	Vaccine	Visit Date	Age@Visit	Location	Reaction	Volume	Inj. Site	Lot	Manufacturer	VIS Date	Administered By	Vaccine Eligibility
RPMS ONLY	DTaP	11/05/2002	56 mths	2020 DEMO HOSPITAL								
RPMS ONLY	DTaP	02/04/2003	59 mths	2020 DEMO HOSPITAL								
RPMS ONLY	DTaP	04/22/2003	5 yrs	2020 DEMO HOSPITAL								
RPMS ONLY	DTaP	12/28/2004	6 yrs	2020 DEMO HOSPITAL								
RPMS ONLY	DTaP	10/27/2008	10 yrs	2020 DEMO HOSPITAL								
RPMS ONLY	Tdap	02/21/2018	19 yrs	2020 DEMO HOSPITAL								
RPMS ONLY	FLU-HIGH4	09/20/2020	22 yrs	2020 DEMO HOSPITAL								
RPMS ONLY	FLU-V4ajv	12/08/2020	22 yrs	2020 DEMO HOSPITAL		0.						
RPMS ONLY	PNEUMO-PS	12/08/2020	22 yrs	2020 DEMO HOSPITAL		0.						
RPMS ONLY	HPV,NOS	12/12/2018	20 yrs	2020 DEMO HOSPITAL		0.						
RPMS ONLY	HPV,NOS	09/18/2019	21 yrs	2020 DEMO HOSPITAL		0.						
RPMS ONLY	HPV,NOS	11/19/2020	22 yrs	2020 DEMO HOSPITAL		0.						
RPMS ONLY	ZOS-Live	11/07/2017	19 yrs	2020 DEMO HOSPITAL		0.6						
RPMS ONLY	COVID_Mod	01/11/2021	22 yrs	2020 DEMO HOSPITAL		0.						
RPMS ONLY	COVID_Jsn	01/11/2021	22 yrs	2020 DEMO HOSPITAL		0.						
RPMS ONLY	COVID_Pfr	02/02/2021	22 yrs	2020 Demo Hospital		0.						

Vaccine Selection

Search Criteria

Search Value: Search

Show All Active Vaccines
 Show Only active Vaccines with a Lot Number
 Show All Vaccines

Select one of the following Records

Short Name (IHS)	Immunization	Descr
COVID_Asz	COVID-19 vaccine, vector-nr, rS-ChAdOx1, PF, 0.5 mL	SARS
COVID_Jsn	COVID-19 vaccine, vector-nr, rS-Ad26, PF, 0.5 mL	SARS
COVID_Mod	COVID-19, mRNA, LNP-S, PF, 100 mcg/0.5 mL	SARS
COVID_NOS	SARS-COV-2 (COVID-19) vaccine, UNSPECIFIED	SARS
COVID_Nvx	COVID-19 vaccine, Subunit, rS-nanoparticle+Matrix-M1 Adjuvant, PF, 0.5 mL	SARS

OK Cancel



Instructions — Step 3

A search engine displays.

Type the **CVX Code** or **Vaccine** using the short name of the immunization.

Immunization History

Print Record | Due Letter | Profile | Case Data | Add | Edit | Delete

Registry	Vaccine	Visit Date	Age@Visit	Location	Reaction	Volume	Inj. Site	Lot	Manufacturer	VIS Date	Administered By	Vaccine Eligibility
RPMS ONLY	DTaP	11/05/2002	56 mths	2020 DEMO HOSPITAL								
RPMS ONLY	DTaP	02/04/2003	59 mths	2020 DEMO HOSPITAL								
RPMS ONLY	DTaP	04/22/2003	5 yrs	2020 DEMO HOSPITAL								
RPMS ONLY	DTaP	12/28/2004	6 yrs	2020 DEMO HOSPITAL								
RPMS ONLY	DTaP	10/27/2008	10 yrs	2020 DEMO HOSPITAL								
RPMS ONLY	Tdap	02/21/2018	19 yrs	2020 DEMO HOSPITAL								
RPMS ONLY	FLU-HIGH4	09/20/2020	22 yrs	2020 DEMO HOSPITAL								
RPMS ONLY	FLU-V4ajv	12/08/2020	22 yrs	2020 DEMO HOSPITAL		0.						
RPMS ONLY	PNEUMO-PS	12/08/2020	22 yrs	2020 DEMO HOSPITAL		0.						
RPMS ONLY	HPV,NOS	12/12/2018	20 yrs	2020 DEMO HOSPITAL		0.						
RPMS ONLY	HPV,NOS	09/18/2019	21 yrs	2020 DEMO HOSPITAL		0.						
RPMS ONLY	HPV,NOS	11/19/2020	22 yrs	2020 DEMO HOSPITAL		0.						
RPMS ONLY	ZOS-Live	11/07/2017	19 yrs	2020 DEMO HOSPITAL		0.6						
RPMS ONLY	COVID_Mod	01/11/2021	22 yrs	2020 DEMO HOSPITAL		0.						
RPMS ONLY	COVID_Jsn	01/11/2021	22 yrs	2020 DEMO HOSPITAL		0.						
RPMS ONLY	COVID_Pfr	02/02/2021	22 yrs	2020 Demo Hospital		0.						

Vaccine Selection

Search Criteria

Search Value: covid

Search

Show All Active Vaccines

Show Only active Vaccines with a Lot Number

Show All Vaccines

Select one of the following Records

Short Name (IHS)	Immunization	Descr
COVID_Asz	COVID-19 vaccine, vector-nr, rS-ChAdOx1, PF, 0.5 mL	SARS
COVID_Jsn	COVID-19 vaccine, vector-nr, rS-Ad26, PF, 0.5 mL	SARS
COVID_Mod	COVID-19, mRNA, LNP-S, PF, 100 mcg/0.5 mL	SARS
COVID_NOS	SARS-COV-2 (COVID-19) vaccine, UNSPECIFIED	SARS
COVID_Nvx	COVID-19 vaccine, Subunit, rS-nanoparticle+Matrix-M1 Adjuvant, PF, 0.5 mL	SARS



Instructions — Step 4

Select the **Radio Button – Not Done**.

Add Immunization Not Provided / Refused

Vaccine: COVID-19 vaccine, vector-nr, rS-ChAdOx1, PF, 0.5 mL

Documented By: PALANKI,SURYAM

Event Date: 05/03/2021

Reason: Patient requests alternative treatment

Comment: Provided risks vs benefits to patient who is requesting a different brand of vaccine. Provided the VIS to patient to read and understand.

Current
 Historical
 Not Done

OK
Cancel



Instructions — Step 5

Type or select **date of the visit** in **Event Date** dialog box
Scenario 1 - Patient Requests Alternative Treatment.

Add Immunization Not Provided / Refused

Vaccine: COVID-19 vaccine, vector-nr, rS-ChAdOx1, PF, 0.5 mL

Documented By: PALANKI,SURYAM

Event Date: 05/03/2021

Reason: Patient requests alternative treatment

Comment: Provided risks vs benefits to patient who is requesting a different brand of vaccine. Provided the VIS to patient to read and understand.

Current
 Historical
 Not Done

OK
Cancel



Instructions — Scenario 1— Step 6

Select the **Reason** from the Drop-Down menu – **Patient Requests Alternative Treatment.**

Add Immunization Not Provided / Refused

Vaccine COVID-19 vaccine, vector-nr, rS-ChAdOx1, PF, 0.5 mL

Documented By PALANKI,SURYAM

Event Date 05/03/2021

Reason Patient requests alternative treatment

Comment Provided risks vs benefits to patient who is requesting a different brand of vaccine. Provided the VIS to patient to read and understand.

Current

Historical

Not Done



Instructions — Scenario 1 — Step 7

Type comments in the **Comment** field concerning what was provided to the patient.

Add Immunization Not Provided / Refused

Vaccine: COVID-19 vaccine, vector-nr, rS-ChAdOx1, PF, 0.5 mL

Documented By: PALANKI,SURYAM

Event Date: 05/03/2021

Reason: Patient requests alternative treatment

Comment: Provided risks vs benefits to patient who is requesting a different brand of vaccine. Provided the VIS to patient to read and understand.

Current
 Historical
 Not Done

OK
Cancel



Instructions — Scenario 2 — Step 8

Refusal of Treatment by Patient

Select the **Reason** from the drop-down menu – **Refusal of treatment by patient**.

Add Immunization Not Provided / Refused

Vaccine: COVID-19 vaccine, vector-nr, rS-ChAdOx1, PF, 0.5 mL

Documented By: PALANKI,SURYAM

Event Date: 05/03/2021

Reason: Refusal of treatment by patient

Comment: Provided risks vs benefits to patient who is declining the vaccine. Provided the VIS to patient to read and understand. I will follow up with patient at next visit.

Current
 Historical
 Not Done

OK
Cancel



Instructions — Scenario 2 — Step 9

Refusal of Treatment by Patient

Type comments in the **Comment** field concerning what was provided to the patient.

Add Immunization Not Provided / Refused

Vaccine COVID-19 vaccine, vector-nr, rS-ChAdOx1, PF, 0.5 mL

Documented By PALANKI,SURYAM

Event Date 05/03/2021

Reason Refusal of treatment by patient

Comment Provided risks vs benefits to patient who is declining the vaccine. Provided the VIS to patient to read and understand. I will follow up with patient at next visit.

Current

Historical

Not Done

OK

Cancel



Instructions — Scenario 3 — Step 10 Refusal (Parent and/or Guardian)

Select the **Reason** from the drop-down menu – **Refused**.

Add Immunization Not Provided / Refused

Vaccine COVID-19 vaccine, vector-nr, rS-ChAdOx1, PF, 0.5 mL

Documented By PALANKI,SURYAM

Event Date 05/03/2021

Reason Refused

Comment Provided risks vs benefits to parent/guardian of child who is declining the vaccine. Provided the VIS to parent/guardian to read and understand. I will f/u with parent/guardian at next visit.

OK

Cancel

Current

Historical

Not Done



Instructions — Scenario 3 — Step 11 Refusal (Parent and/or Guardian)

Type comments in the **Comment** field concerning what was provided to the patient.

Add Immunization Not Provided / Refused

Vaccine COVID-19 vaccine, vector-nr, rS-ChAdOx1, PF, 0.5 mL

Documented By PALANKI,SURYAM

Event Date 05/03/2021

Reason Refused

Comment Provided risks vs benefits to parent/guardian of child who is declining the vaccine. Provided the VIS to parent/guardian to read and understand. I will f/u with parent/guardian at next visit.

Current
 Historical
 Not Done

OK
Cancel



Instructions — Follow-up — Step 12

Upon follow-up, the staff member will review the **Immunization History** section.

Immunization History				
Print Record	Due Letter	Profile	Case Data	Add Edit Delete
Registry	Vaccine	Visit Date	Age@Visit	Location
REFUSED	COVID-19 vaccine, vector-nr, rS-ChAdOx1, PF, 0.5 mL	05/03/2021		Provided risks vs benefits to parent/guardian of child who is declining the vaccine. Provided the V/S to parent/guardian to read an



Instructions — Follow-up Alternative

Or, the staff member will review the **Health Summary under the Immunization Section.**

```
----- IMMUNIZATIONS -----  
  
IMMUNIZATION FORECAST:  
  
No immunizations due  
  
IMMUNIZATION HISTORY:  
  
DTaP                11/05/02   56 mths 2020 Demo Hospital  
  
COVID-19 vaccine, vector-nr, rS-ChAdOx1, PF, 0.5 mL -- DECLINED SERVICE (05/03/21)  
  
***** CONFIDENTIAL PATIENT INFORMATION -- 5/3/2021  8:25 AM  [SP] *****  
***** TEST, DONNA #13976      (PEDIATRIC SUMMARY)  pg 4 *****
```



Instructions — Patient Education

Documentation under the topic **Immunization – Deficiency**; what was discussed with patient or parent/guardian during the session.

The screenshot displays a medical software interface with three main components:

- Education Table:** A table listing education topics and dates.

Visit Date	Education Topic	Com
10/29/2020	Int Inf Clstridium Dfcile-Disease Process	GOO
10/29/2020	Int Inf Clstridium Dfcile-Disease Process	GOO
09/10/2018	Chronic Obstructive Pulmonary Disease, Unspecified-Pdmp	GOO
11/07/2017	Uncoded Diagnosis-Literature	GOO
08/21/2017	Pulmonary Tb Nos-Unspec-Medications	GOO
02/02/2017	Septicemia Nos-Complications	GOO
- Exams Table:** A table listing exam dates, types, and results.

Visit Date	Exams	Result
09/16/2020	EYE EXAM - GENERAL	ABNORMAL
12/03/2018	SUICIDE SCREENING EXAM	ACUTE POSITIVE
12/03/2018	SUICIDE SCREENING EXAM	NON-ACUTE POSITIVE
07/30/2018	DENTAL EXAM	ABNORMAL
07/30/2018	ALCOHOL SCREENING	POSITIVE
07/30/2018		
- Education Topic Selection Dialog:** A dialog box titled "Education Topic Selection" showing a list of 3745 items. The "DEFICIENCY" category is selected and highlighted in blue. Other visible items include HUMAN IMMUNODEFICIENCY VIRUS, HYPERLIPIDEMIA/DYSLIPIDEMIAS, HYPERTENSION, HYPERTHYROIDISM, HYPOTHERMIA, and HYPOTHYROIDISM.

The main window shows a patient record for "PALANKI,SURYAM" on "2013-DE". The education entry is titled "IMMUNIZATIONS-DEFICIENCY" and includes the following text:

OUTCOME:
01/27/20 The patient/family will understand the importance of fully participating with schedule of prescribed immunizations for protection from vaccine preventable disease.

STANDARD:
08/21/20 1. Identify reasons for deficiency and provide education as indicated.
08/21/20 2. Explain that deficiency of immunization(s) may cause serious health problems.
08/21/20 3. Discuss diseases that have been eradicated due to immunizations.
08/21/20 4. Discuss the patient's particular immunization deficiency.
08/21/20 5. Review complications that could occur if infection develops.



RPMS EHR Note Documentation Services Provided During Encounter — Options

1. **Reminder Dialog** associated with a **Quick Note** and dedicated **Note Title** **Reminder Dialog** includes **Immunization Refusal** and **Patient Education** of Immunization Deficiency and Literature (Optional) Topics.
2. **TIU Template** associated with a **Quick Note** and dedicated **Note Title Data Objects** added to TIU Template for **Immunization Refusal** and **Patient Education**.



Reminder Dialog Template

Reminder Dialog Template: COVID-19 VACCINE POLICY ORDER

COVID-19 Immunization Administration Information

Policy Name: [ADD LOCAL POLICY NAME TO TIU TEMPLATE FIELD "IHS COVID19IMM POLICY NAME"]
Policy Number: [ADD LOCAL POLICY ID TO TIU TEMPLATE FIELD "IHS COVID19IMM POLICY ID"]
Last Approval Date:
[ADD LOCAL POLICY APPROVAL DATE TO TIU TEMPLATE FIELD "IHS COVID19IMM POLICY DATE"]

Patient Criteria:
Patient meets requirement for COVID-19 immunization per CDC and ACIP recommendations/guidelines.

Last Covid Imm: None Recorded

COVID-19 Immunizations

PFIZER Covid-19 Immunization Documentation

COVID-19 immunization (Pfizer) - 1st Dose
 COVID-19 immunization (Pfizer) - 2nd Dose

MODERNA Covid-19 Immunization Documentation

COVID-19 immunization (Moderna) - 1st Dose
 COVID-19 immunization (Moderna) - 2nd Dose

COVID-19 immunization (Johnson & Johnson)

Patient refused Covid-19 immunization at this visit.

Comment

Reason for refusal: *

Patient Education

Vaccination literature given.

Level of Understanding: * Education duration:

Readiness to Learn:

Comment

Information given on benefits, side effects and post immunization care

Level of Understanding: * Education duration:

Readiness to Learn:

Comment

Information on following the required schedule for vaccinations



Questions & Discussion