

Description

The nurse documents administration for the inactivated influenza vaccine from a VFC source:

- Is alerted that the patient is not eligible for VFC.
- Orders a different non-VFC lot of inactivated influenza vaccine.

Comments

No Comments

Pre-condition

Order is placed for inactivated influenza vaccine.

Post-Condition

The user is notified of vaccine dose ineligibility.

Test Objectives

Notify of Vaccine Dose Ineligibility: The EHR or other clinical software system provides a method for alerting a provider if a vaccine is selected for a patient who is not eligible for the inventory item selected.

Record Vaccine Information by Scanning 2D Barcode Found on Unit-of-Use for Vaccine

Administration: The EHR or other clinical software system allows users to record vaccination information from 2D barcodes (GS1 DataMatrix) found on unit-of-use (vial or pre-filled syringe) for each vaccine administered. This 2D barcode contains: the Global Trade Item Number (GTIN), expiration date and lot number. The National Drug Code and manufacturer data elements (NDC) is embedded in the Global Trade Item Number (GTIN). Using mapping tables, the manufacturer can be determined from the NDC Code. The NDC and manufacturer data elements are later transmitted to an IIS by cross walking/mapping from the GTIN. The software system records this information as structured data elements.

Data Quality Checks: Integrate additional data quality checks into IIP Testing and Recognition to improve data quality and reduce rejections.


Note: The EHR or other clinical software system prevents specific data issues which would potentially result in IIS errors as defined by the AIRA Error Codes. This supports reducing data quality issues that could trigger the following AIRA-defined Error Codes:

- 2013: Indicates that the funding source code in an OBX segment conflicts with other data in the message (eligibility, age etc).

Evaluation Criteria

The provider documents a VFC lot to be administered in the EHR. Once notified that the patient is not eligible for the VFC, then a non-VFC lot is selected. The coded values are not expected to be displayed to the user, but it is expected that the value selected has the identified meaning, and it is expected that the system will use the coded value when the attribute is conveyed in later transactions:

The EHR records the following vaccine administration information, and using the 2D Barcode found on the Unit-of-Use for vaccine administration, automatically populates the Vaccine Type/product administered, the expiration date and the lot number:

Entered BY	Sandra Molina
Ordering Provider	Frank Smith
Entering Organization	Shoreline Pediatrics
Vaccine Event information source	New immunization record (NIP001 00)
Value/Text for Vaccine Type	Influenza, injectable,quadrivalent, preservative free, pediatric (CVX 161), FLUZONE QUADRIVALENT (NDC 49281-0521-00)
Date/Time of Start of Administration	Current Date
Vaccine Administered	Influenza, injectable,quadrivalent, preservative free, pediatric (CVX 161), FLUZONE QUADRIVALENT (NDC 49281-0521-00)
Vaccine 2D Barcode	
VFC lot (not administered)	D8043IN8422
Substance Expiration Date	12/31/2022
Substance Manufacturer Name	Sanofi Pasteur (MVX PMC)
Alert	Patient is not VFC Eligible
Funding Source	Private

The Provider selects a non-VFC Lot:

Vaccine Lot # (administered):	D8043IN8855
Vaccine Expiration Date:	12/31/2022

Notes

The full vaccination details are provided here to facilitate the documentation constraints and/or screens that may be required by the vendor in order to attempt to document the data of interest, but these are not verified until the next step. Only those attributes specified that are anticipated to result in data quality alerts are required for this step.

Administration for the non-VFC dose of this vaccine is completed in the next step.