

Description

The nurse administers the new vaccine to adult patient, Anita Francesca Marina:

- Documents all required information for the vaccine using the new vaccine information entered in the Manage Configuration test steps.

Comments

No Comments

Pre-condition

Order is placed for the newly available vaccine.

Post-Condition

The administration of the newly available vaccine is recorded in the EHR.

Test Objectives

Record Vaccine Administration: The EHR or other clinical software system records information about each vaccine administered. The EHR records this information as structured data elements, including, at a minimum: date administered, administering clinician, site of administration (e.g., left arm), immunization type, lot number, manufacturer, Vaccine Information Statement date, quantity of vaccine/dose size and ordering clinician. The system also assures data quality, i.e., data entered are appropriate (e.g., avoid “oral” route for IM vaccines, and assure dose is appropriate for the vaccine).


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.

Note: Adult Patient

Evaluation Criteria

The EHR or other clinical software system records the following vaccine administration information. 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 | Jessica Mason |
| Ordering Provider | Shannon Price |
| Entering Organization | Metro Primary Care |
| Vaccine Event information source | New immunization record (NIP001 00) |
| Date/Time of Start of Administration | Current Date |
| Vaccine Administered | Pfizer-BioNTech Covid-19 Vaccine (CVX 208) (NDC 59267-1000-01) |
| 2D Barcode |  |
| GTIN | 0110359267100013 |
| Administered Amount (of Vaccine) | 0.5 |
| Administered Units (of Measure) | mL |
| Administration Notes | |
| Administering Provider | Jessica Mason |
| Administered-at Location | 400 Shoreline Drive, Stamford Connecticut 06901 |
| Lot Number | 8L7B3418 |
| Substance Expiration Date | 12/31/2022 |
| Substance Manufacturer Name | Pfizer-BioNTech (MVX PMC) |
| Completion Status | Completed (CP) |
| Route of Administration | Intramuscular (NCIT C28161, HL70162: IM) |
| Administration Site | Right Deltoid (HL70163 RD) |
| VFC Eligibility | No |
| Funding Source | Public |
| Dose | 1 of 2 |
| VIS Publication Date | 10/1/2021 |
| VIS Given Date | Current Date |
| VIS Fully Encoded Text-String | 253088698300033211210501 |

Notes

The EHR does not need to specify a 'new immunization', as long as there is a way to indicate that it is a new immunization within the EHR, this is acceptable (e.g. the default interpretation of the data entry is that it is a new immunization and not historical).

The VIS Publication Date is not yet formalized for this vaccine, so may differ in tested product.