

**Description**

This test will consist of ordering vaccines for the test patients, reviewing any alerts caused by specific scenarios, and documenting vaccinations administered to the patients.

**Comments**

No Comments

**Pre-condition**

Anita Francesca Marina is entered as a patient in the EMR with complete Demographic data, Immunization History Data, and Clinical Data according to the steps in the 'Anita Francesca Marina Initial Data Load'.

**Post-Condition**

Visit orders are entered in Anita Francesca Marina's record.

**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, route of administration (e.g. intramuscular), 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 GTIN contains the National Drug Code (NDC) and manufacturer data elements. Implementers can use mapping tables to determine the manufacturer from this NDC. The software system records these elements as structured data elements so the immunization administration message can use them to include the NDC and manufacturer in the message to the IIS.

Note: New vaccine, adult

**Data Quality Checks:** The EHR or other clinical software integrates 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:

- 2100: Indicates that any date field is in the future. Specific errors for date transmitted in an OBX are also provided.
- 2102: Indicates that a VIS given date messaged in OBX-5 is in the future
- 2103: Indicates that a VIS publication date messaged in OBX-5 is in the future
- 2013: Indicates that the funding source code in an OBX segment conflicts with other data in the message (eligibility, age etc)
- 2017: Indicates that the administration site is inconsistent with the vaccine administered

**Evaluation Criteria**

Evaluation criteria is defined within each test step.

**Notes**

No Note