

### Description

The provider attempts to document vaccine administration information for the immunization for Anita Francesca Marina. These data quality checks primarily relate to improving vaccine administration information and associated observations that will be included when submitting data to the immunization registry.

### Comments

Evaluates EHR functions for verifying data quality of vaccination data and associated observations used for reporting vaccinations to the immunization registry. There is no transaction associated with this test step.

### Pre-condition

Order is placed for the Hepatitis B vaccine.

### Post-Condition

The EHR has alerted the provider for each of the data quality checks verified for Anita Francesca Marina.

### Test Objectives

**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:


- 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: During the course of data entry for information below, the EHR triggers the following data quality issues:

- Triggers Error that date is in the future (2100)
- Triggers Error a VIS given date is in the future (2102)
- Triggers Error that a VIS Publication date is in the future (2103)
- Triggers Error that the funding source code conflicts with other data (2013)
- Triggers Error that the administration site is inconsistent with the vaccine administered (2017)

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+1 day	Triggers Error that date is in the future (2100) Will be corrected to current date
Vaccine Administered	hepatitis B vaccine, adult dosage (CVX 43) ENERGIX-B (58160-0821-05)	
2-D Data Matrix		
GTIN	10358160821056	
Administered Amount (of Vaccine)	1	
Administered Units (of Measure)	mL	
Administration Notes		
Administering Provider	Jessica Mason	
Administered-at Location	400 Shoreline Drive, Stamford Connecticut 06901	
Lot Number	6942FL12	
Substance Expiration Date	12/31/2021	
Substance Manufacturer Name	GlaxoSmithKline Biologicals SA (MVX SKB)	
Completion Status	Completed (CP)	
Route of Administration	Intramuscular (NCIT C28161, HL70162: IM)	
Administration Site	Left Gluteous Medius(LG)	Triggers Error that the administration site is inconsistent with the vaccine administered (2017) Will be corrected to Left Deltoid (HL70163 LD)
VFC Eligibility	No	
Funding Source	VFC	Triggers Error that the funding source code conflicts with other data (2013) Will be corrected to 'Private'
Dose	1 of 2	
VIS Publication Date	12/01/2021	Triggers Error that a VIS Publication date is in the future (2103) Will be corrected to 8/15/2019
VIS Given Date	12/01/2021	Triggers Error a VIS given date is in the future (2102) Will be corrected to Current Date
VIS Fully Encoded Text-String	253088698300005911190815	

**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.

If a system does not allow the entry of a future date for the date/time of administration, VIS Publication Date or the VIS Given Date this is acceptable for the purposes of data quality.