

#### Description

The provider attempts to document vaccine deferral information for the immunization for Juana Mariela Gonzales. These data quality checks primarily relate to improving vaccine deferral information and associated observations that will be included when submitting data to the immunization registry.

#### Comments

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

#### Pre-condition

Prior Immunization History loaded and reconciled from the Immunization Registry. Vaccine forecast is available in the EHR indicating 6 vaccines are due: Hepatitis B, DTaP, Hib, IPV, Pneumococcal conjugate (PCV13) and Rotavirus.

#### Post-Condition

The EHR has alerted the provider for each of the vaccine deferral data quality checks verified for Juana Mariela Gonzales.

#### 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:

- 2101: Indicates that a contraindication effective date messaged in OBX-5 is in the future

#### Evaluation Criteria

**Evaluation Criteria:** During the course of data entry for the variant information below, the EHR triggers the following data quality issues:

- Triggers Error that a contraindication effective date is in the future (2101):

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	hepatitis B vaccine, pediatric or pediatric/adolescent dosage (CVX 08)	
	diphtheria, tetanus toxoids and acellular pertussis vaccine, 5 pertussis antigens (CVX 106)	
	Haemophilus influenzae type b vaccine, PRP-OMP conjugate (CVX 49)	
	poliovirus vaccine (CVX 10)	
	pneumococcal conjugate vaccine, 13 valent (CVX 133)	
	rotavirus, live, monovalent vaccine (CVX 119)	
Date/Time Vaccine not administered was recorded	Current Date	
Alert	contraindication of fever	
Substance/Treatment Deferral Start Date: Vaccination contraindication/precaution effective date (30946-8 LOINC)	Current Date+1 day	Triggers Error that a contraindication effective date is in the future (2101)
Vaccination temporary contraindication/precaution expiration date (Deferred for 1 month)	Current Date + 1month	

#### Notes

The full vaccination deferral 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.