

#### Description

The EHR vendor loads immunization history data from the local practice for Juana Mariana Vazquez. This includes an MMR dose that was given too early. This MMR dose serves to seed checking for dose given too early in TestCaseGroup: Juana Mariana Vazquez Visit, TestCase: Query the Registry for Juana Mariana Vazquez, TestStep: Mark first MMR Dose as Invalid.

#### Comments

No Comments

#### Pre-condition

The EHR has recorded all of the pediatric demographic data in the record created for Juana Mariana Vazquez.

#### Post-Condition

The EHR has recorded all of the pediatric demographic data in the record created for Juana Mariana Vazquez.

#### Test Objectives

**Record Past Immunizations:** The EHR or other clinical software system allows providers to enter information about immunizations given elsewhere (e.g., by another doctor, at a public health clinic, pharmacy, etc.) with incomplete details.

**Request/Receive Patient Immunization Data and Identify Source:** The EHR stores immunization history accepted electronically from other sources (such as a public health immunization registry consistent with HL7 version 2.5.1, Implementation Guide for Immunization Messaging Release 1.5) or communicated by the patient and manually entered by the clinician. When viewing such information, the provider can determine which immunizations were administered by the practice, which were entered historically as patient-reported, and which were accepted electronically from the public health registry.

Supporting data for:

#### **Compare Public Health Immunization Registry (IIS) Immunization History to EHR Immunization**

**History:** The public health immunization registry has returned the requested immunization history for a patient (Return Evaluated Immunization History and Forecast (Z42) – HL7 Version 2.5.1 Implementation Guide for Immunization Messaging Release 1.5). The EHR is able to display the evaluated immunization history received from the registry as well as the immunization history already present in the EHR so that a user can compare them. The EHR provides a way for the provider to view both histories, determine what is different (if anything), and update the existing EHR immunization history with new information from the public health registry if they choose to do so. The system must store the new information as structured data as part of the patient's local immunization history and include the time of the update and the source of the new information.

**Receive Dose Not Indicated Alert for Single Vaccine Order:** The EHR or other clinical software system notifies the provider in instances when there are single or combination vaccine orders that are inconsistent with the expected timing intervals included in the vaccine forecast. Inconsistencies include suggestion of different date(s) for ordering the vaccine(s) or indication the vaccine(s) is/are no longer required.

#### Evaluation Criteria

**Evaluation Criteria:** Vendor successfully records all immunization data known to the local practice as provided, with all required attributes indicated by [Y]. 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:

Vaccine from Practice - HepB		
Entered By	Sandra Molina	Y
Ordering Provider	Frank Smith	N
Entering Organization	Shoreline Pediatrics	Y
Administration Notes (Vaccine Event information source)	New immunization record (NIP001 00)	Y
Date/Time of Start of Administration	12/20/2017	Y
Vaccine Administered	hepatitis B vaccine, pediatric or pediatric/adolescent dosage (CVX 08, NDC 58160-0820-43)	Y
Administered Amount (of Vaccine)	0.5	Y
Administered Units (of Measure)	mL	Y
Administering Provider	Sandra Molina	N
Administered-at Location	400 Shoreline Drive, Stamford Connecticut 06901	N
Lot Number	6352FK1	Y
Substance Expiration Date	12/31/2017	Y
Substance Manufacturer Name	GlaxoSmithKline Biologicals SA (MVX SKB)	Y
Completion Status	Completed (CP)	Y
Route of Administration	Intramuscular (NCIT: C28161, HL70162: IM)	Y
Administration Site	Left Thigh (HL70163: LT)	Y
Vaccine from Practice – MMR		
Entered By	Sandra Molina	Y
Ordering Provider	Frank Smith	N
Entering Organization	Shoreline Pediatrics	Y
Vaccine Event information source	New immunization record (NIP001 00)	Y
Date/Time of Start of Administration	08/22/2018	Y
Vaccine Administered	Measles, mumps, rubella virus vaccine (CVX 03, NDC 00006-4681-01)	Y
Administered Amount (of Vaccine)	0.5	Y
Administered Units (of Measure)	mL	Y
Administering Provider	Sandra Molina	N
Administered-at Location	400 Shoreline Drive, Stamford Connecticut 06901	N
Lot Number	0853CC	Y
Substance Expiration Date	12/15/2018	Y
Substance Manufacturer Name	Merck and Co Inc (MVX MSD)	Y
Completion Status	Completed (CP)	Y
Route of Administration	Subcutaneous (NCIT C38299, HL70162: SC)	Y
Administration Site	Left Thigh (HL70163 LT)	Y

#### Notes

The MMR dose serves to seed checking for dose given too early in TestCaseGroup: Juana Mariana Vazquez Visit, TestCase: Query the Registry for Juana Mariana Vazquez, TestStep: Mark first MMR Dose as Invalid.

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).