

## Description

The EHR vendor loads immunization history data from the local practice for Juana Mariana Gonzales. This included an MMR dose entered 2 weeks prior to the current visit date and an MMR dose that was given too early. These MMR doses serve to seed checking for dose given too early in TestCaseGroup: Juana Mariana Gonzales Visit, TestCase: Query the Registry for Juana Mariana Gonzales, TestStep: Mark first MMR Dose as Invalid, and to seed checking for the condition that it is too early to give a live vaccine in TestCaseGroup: Juana Mariana Gonzales Visit, TestCase: Juana Mariana Gonzales, Enter Orders and Immunizations, TestStep: Attempt to order Varicella Dose.

## Comments

No Comments

## Pre Condition

The EMR has recorded all of the pediatric demographic in the record created for Juana Mariana Gonzales.

## Post Condition

The immunization history the known to the local practice is loaded into the record created for Juana Mariana Gonzales.

## 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 or other clinical software is able to store 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 manually 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. The EHR is able to display the 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 he or she chooses 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

Vendor Records HepB from practice, 1st MMR dose from practice (which was administered too early), and 2nd historical MMR dose two weeks prior to the current test date.
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Evaluation Criteria: Vendor successfully records all immunization data known to the local practice as provided, with all required attributes indicated by [Y]:

Vaccine from Practice HepB				
Entered BY		Sandra Molina		Y
Ordering Provider		Frank Smith		Y
Entering Organization		Shoreline Pediatrics		Y
Administration Notes (Vaccine Event information source)		New immunization record (NIP001 00)		Y
Date/Time of Start of Administration		12/20/2010		Y
Vaccine Administered		hepatitis B vaccine, pediatric or pediatric/adolescent dosage (CVX 08)		Y
Administered Amount (of Vaccine)		0.5		Y
Administered Units (of Measure)		mL		Y
Administering Provider		Sandra Molina		Y
Administered-at Location		400 Shoreline Drive, Stamford Connecticut 06901		Y
Lot Number		6352FK1		Y
Substance Expiration Date		12/14/2011		Y
Substance Manufacturer Name		GlaxoSmithKline Biologicals SA (MVX SKB)		Y
Completion Status		CP		Y
Route of Administration		SC		Y
Administration Site		Left Thigh		Y
Vaccine from Practice MMR				
a. Entered BY		J. Martinez		Y
b. Ordering Provider		Frank Smith		Y
c. Entering Organization		Shoreline Pediatrics		Y
Vaccine Event information source		New immunization record (NIP001 00)		Y
Value/Text for Vaccine Type		MMR II (CVX 03, NDC 0006-4681-00)		Y
Date/Time of Start of Administration		08/22/2011		Y
Vaccine Administered		measles, mumps, rubella virus vaccine		Y
Administered Amount (of Vaccine)		0.5		Y
Administered Units (of Measure)		mL		Y
Administering Provider		Sandra Molina		Y
Administered-at Location		400 Shoreline Drive, Stamford Connecticut 06901		Y
Lot Number		0853CC		Y
Substance Expiration Date		12/15/2011		Y
Substance Manufacturer Name		Merck Sharp & Dohme Corp (MVX MSD)		Y
Completion Status		CP		Y
Route of Administration		Intramuscular (NCIT C28399)		Y
Administration Site		Right Thigh (HL70163 RT)		Y
Vaccine from Practice MMR II				
Entered BY		Sandra Molina		Y
Ordering Provider		Frank Smith		Y
Entering Organization		Shoreline Pediatrics		Y
Administration Notes (Vaccine Event information source)		New immunization record (NIP001 00)		Y
Date/Time of Start of Administration		14 days prior to the Current Date		Y
Vaccine Administered		MMR (CVX 03, NDC 0006-4681-00 - MMR II)		Y
Administered Amount (of Vaccine)		0.5		Y
Administered Units (of Measure)		mL		Y



### Notes for Testers

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