

### Description

The physician accesses the record for Juan Marcel Marina and, once the vaccine history is reconciled in the EHR, the vaccine forecast is updated.

- The provider views the updated vaccine forecast (either as provided by the Immunization Registry or as determined through EHR defined methods).

### Comments

The vaccine forecast may be imported from the Immunization Registry Vaccination History and Forecast (Z42) response, or it may be generated by EHR defined means.

### Pre-condition

EHR Vaccine History is imported from the Immunization History returned from the Immunization Registry (previous step 'View and import response to request for vaccination history for Juan Marcel Gonzales).

### Post-Condition

A vaccine forecast based upon the imported vaccine history is available to the user.

### Test Objectives

**View Reconciled Immunization Forecast:** The EHR or other clinical software system has the ability to re-evaluate and update the immunization forecast using a patient's newly updated immunization history. Forecasts are updated following reconciliation of immunization data contained in the public health immunization registry with immunization data contained in the EHR. Processing the new forecast can be internal to the EHR or it can use an external forecasting service, but should reference the most recent recommendations.

**Modify Antigen Recommendations Based on Active Diagnoses:** The system notifies the provider of any conflicts between recommended vaccines in the updated forecast and the patient's current or historical diagnoses.

### Evaluation Criteria

1. Tester verifies that the vendor can display the immunization forecast based upon the reconciled vaccination history:

2. Verify that the EHR includes in the vaccine forecast:

Hep B Peds NOS due on 9/4/2021

influenza, unspecified formulation due on Sep 4, 2021 or later (annual recommendation - specific date may vary somewhat)

In support of test objective 'Modify Antigen Recommendations Based on Active Diagnoses' the tester verifies that the system notifies the provider that:

Varicella due on 3/4/2021 - Forecast should not show that they need vaccine for Varicella; because of known diagnosis that this is due.

Hep A is due 3/4/2021 - Forecast may not show that they need the vaccine for Hepatitis A due to serologic immunity to the disease.

### Notes

The due date must be in range for the date shown. Vaccine forecast dates may be plus or minus 10 days to accommodate differences in date handling.

Further variation should be documented in the notable exceptions, but minimally each forecast vaccine must be present.

While there is not an expected recommendation for the earliest date to give for influenza, this may appear in some EHR implementations. Tester should note if this is included.

Tester should document how evidence of prior disease (Varicella) is documented (e.g. if not in forecast, is there a reason available to clinician).

Manual override does not fulfill the 'modify antigen recommendations based on active diagnoses' (e.g. if the system does not support this through CDS then not fulfilled).

This criteria is considered 'Advanced', so tester should note support for this criteria separately.