

**Description**

Elise Wong, a 32-year-old female, returns to the pharmacy in Alabama where she was vaccinated with the 1st dose of the Moderna COVID-19. She presents her CDC COVID-19 Vaccination Record Card to a staff member and states she wants to receive the 2nd dose of the vaccine. The staff member confirms basic patient demographic information including name, date of birth, and sex. A pharmacist, Wilma Thomas (ID 654), reviews the patient's medical history with the patient and orders the 2nd dose of the Moderna vaccine for her. The patient is given the EUA patient factsheet for the vaccine to review again. After scanning it, she agrees to receive the recommended COVID-19 vaccine. She also agrees that the data should be shared once it is incorporated into the local IIS and that reminders and recalls may be sent by any method. An appropriate dose of COVID-19 Moderna vaccine is selected from the clinic's stock of vaccines. A clinician, Robert Shaw (ID 1919), prepares and administers the 2nd dose of the vaccine to the patient and then enters the data into the sending application. Both the information about the 1st dose of the Moderna vaccine and the 2nd dose administered are then transmitted to the IIS.

**Comments**

The dates used in the test story and test messages are examples and can be changed to reflect appropriate current dates.

**Pre-condition**

Sending systems should have the capability of sending an HL7 v2.5.1 standard-based Immunization Message Z22 Profile-VXU Message.

Knowledge of the first dose vaccine is known by the clinic system administering the second dose.

**Post-Condition**

No Post Condition

**Test Objectives**

This test case assesses the ability of the sending application:

- To create a vaccine administration message for an adult who received the 2nd dose of the Moderna COVID-19 vaccine.
- To include historical information about the 1st dose of the Moderna COVID-19 vaccine received.
- To include a patient factsheet instead of a VIS in the message.
- To support vaccination series status as complete (Dose 2 of 2).
- To support more than one race.
- To support email address.
- To support mother's maiden name.

**Evaluation Criteria**

Message Validation Report

**Notes**

The use of CVX 213 “SARS-COV-2 (COVID-19) vaccine, UNSPECIFIED” is prohibited for the current administration of a COVID-19 vaccine.

COVID-19 vaccines have received Emergency Use Authorization (EUA) by the FDA. Per the CDC, the VIS code set is being used to provide the EUA Recipient/Caregiver Fact Sheet codes for EHRs/EMRs for use in a manner analogous to the electronic system and workflow documentation of VIS. These codes were developed in advance of potential EUA decision by FDA for each vaccine.

Per the ONC 2015 Edition HIT Certification Criterion §170.315(f)(1) Transmission to immunization registries, codes from the NDC Directory are required for vaccines in new vaccine administered records in Z22 VXU messages. However, for this test plan either an NDC, a CVX, or both can be messaged. Best practice is to send both.

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