

Description

After being approved by FDA and CDC Finley Ira Nash (DOB 04/05/1966) is vaccinated with a new vaccine for Heartland virus (a rare tick-borne virus), along with a Hep B vaccine that the patient states is required for new employment. The patient has no record of hep B vaccine and the practitioner starts the series.

Vaccine Name: Heartland-24_mRNA

Vaccine Manufacturer (if required by the SUT): Moderna

CVX Code: 234

National Drug Code (NDC): 8077-0743-15

Vaccine Information Sheet: Heartland-24 Vaccine 03-28-2024 VIS

Vaccine MVX: MOD

Vaccine Name: Hep B, Adult (ENGRIX-B)

Vaccine Manufacturer (if required by the SUT): GlaxoSmithKline

CVX Code: 43

National Drug Code (NDC): 58160-0820-43

Vaccine Information Sheet: Hepatitis B Vaccine VIS

Vaccine MVX: SKB

Pre-condition

Finley Ira Nash (DOB 04/05/1966) is administered a dose of Heartland Virus vaccine without a scannable 2D barcode, it has been recorded in the SUT and is visible to SUT users.

Finley Ira Nash (DOB 04/05/1966) is administered a dose of Hep B adult vaccine with a scannable 2D barcode, it has been recorded in the SUT and is visible to SUT users.

Daniela Jennifer Wyatt is the administering practitioner.

Post-Condition

The vaccines have been transmitted from the SUT to the IIS.

Go to step 7.1.6 to receive and process ACK from this step.

Test Objectives

- To test the ability that the SUT can support transmission of newly developed vaccine data recorded in the SUT
- The SUT links standard codes (i.e., LOINC for tests or evaluation tools, NDC codes for current immunizations, CVX for historical immunizations, MVX manufacturer codes, VIS codes, and appropriate codes for administration site, route, method, etc.) to discrete data elements associated with an immunization.
- Both NDC and CVX are required for new immunizations and CVX is required for historical.
- Support for Sending Responsible Organization (MSH-22) and Receiving Responsible Organization (MSH-23) to include: 1. Identifier, 2. Identifier Type Code, 3. Assigning Authority for the Identifier
- Support for OIDs
- Support for Adult Not VFC Eligible

Evaluation Criteria

The IIS received a single VXU message with multiple RXA segments from the SUT containing newly developed vaccine data and new vaccine program eligibility code recorded in the SUT as well as the Hep B adult vaccine dose information.

The IIS received a single VXU message with multiple OBX segments from the SUT containing Program eligibility for the newly administered vaccine doses recorded in the SUT.

The VXU/Z22 message passes validation using the NIST Immunization VXU Validation Tool (Z22). The content of the message correctly reflects the test data (context-based) in accordance with the Test Data Specification and the Message Content.

This IIP test plan tests clients with NDC as the primary code set and CVX as an alternate code set. Please note that this configuration may vary among jurisdictions. NDC is required for all new administrations and CVX for historical but can include NDC if known.

See Facility preload Information for OIDs and additional MSH requirements.

| Element | Data |
|---|---|
| Patient Name | Finley Ira Nash |
| Mother s Maiden Name | |
| ID Number | 7777 |
| Date/Time of Birth | 04/05/1966 |
| Administrative Sex | Male |
| Patient Address | 700 Locust Ln Springfield OR, 97477 USA |
| Phone Number | (541) 555-0007 (Cellular Phone=CP) |
| Race | Asian |
| Ethnic Group | Hispanic or Latino |
| Multiple Birth Indicator | No |
| Birth Order | 1 |
| | |
| Immunization Registry Information | |
| Element | Data |
| Immunization Registry Status | Active |
| Immunization Registry Status Effective Date | 1/26/2024 |
| Publicity Code | Reminder/recall - any method |
| Publicity Code Effective Date | Today's date |
| Protection Indicator | No |
| Protection Indicator Effective Date | Today's date |
| | |
| Guardian or Responsible Party - 1 | |
| Element | Data |
| Name | |
| Relationship | |
| Address | |
| Phone Number | |
| | |
| | |
| Vaccine Administration Information - 1 | |
| Element | Data |
| Administered Vaccine | Heartland-24_mRNA |
| Date/Time Start of Administration | Today's date |
| Administered Amount | 0.5 |
| Administered Units | mL |
| Administration Notes | New Immunization |
| | |
| Administering Provider | Daniela Jennifer Wyatt |
| Substance Lot Number | HVV8071524 |
| Substance Expiration Date | 09/27/2029 |
| Substance Manufacturer Name | Moderna |
| Substance/Treatment Refusal Reason | |
| Completion Status | Complete |

| | |
|--|-------------------------------------|
| Action Code | Add/Insert |
| Route | INTRAMUSCULAR |
| Administration Site | Left Deltoid |
| Entering Organization | Oregon Family Medicine |
| Entered By | Daniela Jennifer Wyatt |
| Ordered By | Ramon Michael Bradshaw |
| | |
| Observations vax 1 | |
| Element | Data |
| Vaccine Funding Source | Public |
| Vaccine Program Eligibility | HeartlandVV-Program |
| Document Type | Heartland-24 Vaccine 03-28-2024 VIS |
| Date VIS Presented | Today's date |
| | |
| Vaccine Administration Information - 2 | |
| Element | Data |
| Administered Vaccine | Hep B, adult |
| Date/Time Start of Administration | Today's date |
| Administered Amount | 0.5 |
| Administered Units | mL |
| Administration Notes | New Immunization |
| Administering Provider | Daniela Jennifer Wyatt |
| Substance Lot Number | IIPVAXN03 |
| Substance Expiration Date | 9/27/2029 |
| Substance Manufacturer Name | GlaxoSmithKline |
| Substance/Treatment Refusal Reason | |
| Completion Status | Complete |
| Action Code | Add/Insert |
| Route | INTRAMUSCULAR |
| Administration Site | Right Deltoid |
| Entering Organization | Oregon Family Medicine |
| Entered By | Daniela Jennifer Wyatt |
| Ordered By | Ramon Michael Bradshaw |
| | |
| | |
| Observations vax 2 | |
| Element | Data |
| Vaccine Funding Source | Private funds |
| Vaccine Program Eligibility | Not VFC eligible |
| Document Type | Hepatitis B Vaccine VIS |
| Date VIS Presented | Today's date |

Notes

The VIS encoded value that is associated with the most current VIS for the vaccines and evaluated in the transmit message, can be found in the CDC VIS Lookup Table located here:

<https://www.cdc.gov/vaccines/programs/iis/code-sets/vis-barcode-lookup-table.html>

