

### 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>

