

### Description

CDC identified a new variant of tick-borne Heartland disease causing rapid and significant development of leucopenia, thrombocytopenia, high propensity for intracerebral hemorrhage, and renal failure. The incidence rose sharply beginning March 2024 due to climate change with proliferation of lone star ticks (*Amblyomma americanum*) and their rapid spread to northern and western states. Due to the increase in disease incidence and severity, the White House established a Heartland Disease Commission and funded rapid development of Heartland-24 vaccine. The first such vaccine, Heartland-24\_mRNA just became available but it has not yet been added to commercial drug knowledge bases. The vaccine is available to physician practices and pharmacies but the coding must be added to existing content available in commercial drug knowledge bases. Heartland-24\_mRNA vaccine is a single-dose vaccine, given IM, and recommended for all adults over the age of 50 residing in or frequenting non-urban environments.

### Pre-condition

Availability of new vaccine data CVX, NDC (provided in evaluation criteria)

### Post-Condition

The new vaccine codes exists in the SUT.

Go to step 7.1.2

### Test Objectives

To test the ability that the SUT can support the entry of newly developed vaccine code sets.

### Evaluation Criteria

New vaccine codes are available in the SUT with minimum data elements as noted below:

If not all displayed then SUT must explain how the data are made available.

|   |                                     |
|---|-------------------------------------|
| Product Name (This may vary with each implementation) | Heartland-24_mRNA                   |
| Unit-of-Sale (Box) NDC                                | 8077-0743-15                        |
| Unit-of-Use (Syringe or Vial) NDC                     | 8077-0743-15                        |
| Generic Name (CVX 234)                                | HVV                                 |
| Manufacturer  | Moderna                             |
| Lot Number  | HVV8071524                          |
| Expiration Date                                       | 09/27/2029                          |
| Funding Source  | Public                              |
| CVX Code  | 234                                 |
| MVX Code  | MOD                                 |
| Expiration Date                                       | 20290731                            |
| Packaging   | Unknown                             |
| Trade Name  | Heartland Virus Vax                 |
| Vaccine Information Sheet:                            | Heartland-24 Vaccine 03-28-2024 VIS |
| Program Code & description                            | IIP024/HeartlandVV-Program          |
| VIS Fully-encoded text string                         | 253088698300023411240207            |