

### Description

A vaccine administering practitioner at Oregon Family Medicine attempts to administer Hepatitis A vaccine to Selma Nadia McKay (DOB 02/05/2023) based on the order previously entered.

### Pre-condition

- Selma Nadia McKay (DOB 02/05/2023) is registered in the SUT
- SUT includes an adverse event recorded for Selma Nadia McKay (DOB 02/05/2023) with causative agent = Hep A ped/adol, 2 dose (83) and reaction = anaphylaxis (SNOMED-CT 39579001) onset 12/22/2023
- Hep A vaccine order exists (i.e., has been placed)
- SUT provides a list of available vaccine product to fulfill the order for Hepatitis A vaccine

Daniela Jennifer Wyatt is the administering practitioner.

### Post-Condition

Selection for any Hep A ped/adol product provides evidence of the prior reaction and the administration is avoided.

Go to step 4.1.1

### Test Objectives

To test the capability that the SUT informs the individual administering a vaccine that the patient had an adverse reaction this vaccine in the past. The method and timing of notification can be specified to meet local clinical workflow. This requirement is a “failsafe” mechanism in case the practitioner orders a vaccine dose that may be unsafe for the patient.

### Evaluation Criteria

The practitioner prepares to administer the Hepatitis A vaccine, and system informs the practitioner that the patient had an adverse reaction in the past. Successful performance requires:

The administration workflow includes clear evidence of a previous adverse reaction to Hepatitis A vaccine in at least one of the following ways (only 1 method is required):

- \* The SUT provides a "task" for the administering practitioner. The "task" indicates an order exists to administer Hepatitis A vaccine to this patient and includes indication about a previous adverse reaction within the task message. The practitioner user then selects the option to choose a product to administer.
- \* The order, when opened, shows evidence that a warning about a previous adverse reaction has been overridden
- \* The available vaccine products display evidence of a concern regarding each of the Hepatitis A vaccine products
- \* Selection of a specific Hepatitis A vaccine to administer includes indication of a concern to move forward with the administration