

**Description**

The nurse documents administration route for the HepB vaccine:

- Is prevented from documenting "oral" for HepB vaccine.

**Comments**

This step covers data quality checking as an informative aspect of vaccine administration.

**Pre-condition**

Order is placed for HepB vaccine.

**Post-Condition**

The HepB vaccination route has failed to be recorded as 'oral' in the EMR.

**Test Objectives****Record Vaccine Administration:**

The EHR or other clinical software system records information about each vaccine administered. The EHR records this information as structured data elements, including, at a minimum: date administered, administering clinician, site of administration (e.g., left arm), immunization type, lot number, manufacturer, Vaccine Information Statement date, quantity of vaccine/dose size and ordering clinician. The system also assures data quality, i.e., data entered are appropriate (e.g., avoid "oral" route for IM vaccines, and assure dose is appropriate for the vaccine).

Data Quality: Sample of data quality checking for vaccine route.

**Evaluation Criteria**

The EMR warns the user that 'Oral' as a route for the HepB vaccine is not correct.

**Notes**

Verification checking for invalid route or site should not prevent the user from selecting the alternate route or site. While this test case example is not one that would make sense to ignore the warning, there situations where an alternate site or route may be medically indicated. This test should not be interpreted to restrict the ability of the EMR to document such alternate routes or sites that may be intentionally selected by the clinician.