

### Description

The SUT supports the ability to perform immunization data entry by scanning 2D barcodes found on vaccine vials and syringes: vaccine type and manufacturer (found within the NDC which is encoded in the GTIN), expiration date, and lot number.

Based upon the orders of Dr. Ramon Michael Bradshaw, Nurse Daniela Jennifer Wyatt prepares to administer and record vaccines for Lance Gage Duncan Jr. The following vaccines will be administered AND have 2D barcodes printed upon their vials/syringes: PEDIARIX, Rotarix, and ActHIB. These 2D barcodes are to be scanned to record vaccine type, lot number, and expiration date.

### Pre-condition

Dr. Ramon Michael Bradshaw, orders the four vaccines to be administered to Lance Gage Duncan Jr., however only the 3 listed below are scannable. 1 barcode is not scannable for Prevnar 20 and will be manually entered.

PEDIARIX, CVX 110
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ActHIB, CVX 48
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Rotarix, CVX 119
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The above vaccine products exist in the SUT's inventory.

The SUT is connected to or may access a peripheral (e.g., handheld scanner or camera) that support scanning 2D barcodes printed on vials/syringes.

Daniela Jennifer Wyatt is the administering practitioner.

### Post-Condition

Lance Gage Duncan Jr. administered doses with 2D barcodes (PEDIARIX, Rotarix, and ActHIB) have been recorded in the SUT and are visible to SUT users.

Go to step 3.7.1

### Test Objectives




To test the capability that the SUT is able to scan 2D barcodes for vaccine administrations.

### Evaluation Criteria

Lance Gage Duncan Jr. has been administered vaccines by Nurse Daniela Jennifer Wyatt and the following information is entered into the patient record and visible in the SUT:

The 2D Barcode provided information in the following fields should be correct and without omission.

Item 1	
Product Name (This may vary with each implementation)	PEDIARIX
Date Administered	Today's date
Unit-of-Use (Syringe or Vial) NDC	58160-0811-43 (for reference only, please scan 2D barcode)
Manufacturer	GlaxoSmithKline (for reference only, please scan 2D barcode)

Lot Number	IIPVAXN01 (for reference only, please scan 2D barcode)
Expiration Date	09/27/2029 (for reference only, please scan 2D barcode)
Dose	0.5mL
Unit-of-Use (Vial/Syringe) Image that shall be scanned.	 GTIN 10358160811439
CVX	110
Dose-level Eligibility for Vaccines for Children	American Indian or Alaska Native
Route	INTRAMUSCULAR
Site	Left Vastus Lateralis
VIS Given	Multi Pediatric Vaccines VIS - 07/24/2023
<b>Item 2</b>	
Product Name (This may vary with each implementation)	ActHIB
Date Administered	Please use the HIMSS IIP job aid
Unit-of-Use (Syringe or Vial) NDC	49281-0547-58
Manufacturer	sanofi pasteur
Lot Number	IIPVAXN05
Expiration Date	9/27/2029
Dose	0.5mL
Unit-of-Use (Vial/Syringe) Image that may be scanned.	 GTIN 00349281547584
CVX	48
Dose-level Eligibility for Vaccines for Children	American Indian or Alaska Native
Route	INTRAMUSCULAR
Site	Right Vastus Lateralis
VIS Given	Haemophilus Influenzae type b (Hib) Vaccine VIS - 08/06/2021
<b>Item 3</b>	
Product Name (This may vary with each implementation)	Rotarix
Date Administered	Today's date
Unit-of-Use (Syringe or Vial) NDC	58160-0740-02
Manufacturer	GlaxoSmithKline
Lot Number	IIPVAXN07
Expiration Date	9/27/2029
Dose	1mL
Unit-of-Use (Vial/Syringe) Image that may be scanned.	 GTIN 10358160740029
CVX	119
Dose-level Eligibility for Vaccines for Children	American Indian or Alaska Native
Route	ORAL
Site	N/A
VIS Given	Rotavirus Vaccine VIS - 10/15/2021

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>