

Description

The SUT generates an unsolicited vaccine update (VXU - Z22 profile message) correctly and without omission according to supplied test data in the 'Test Data Specification' section of this test step.

This includes four doses of newly administered vaccines.

Pre-condition

Lance Gaige Duncan Jr. is registered in the SUT. This was performed in Test Case 2.2.0.

Lance Gaige Duncan Jr. administered doses with 2D barcodes (PEDIARIX, Rotarix, and ActHIB) have been recorded in the SUT and are visible to SUT users. This was performed in Test Step 3.6.1.

Lance Gaige Duncan Jr. is administered dose without a scannable 2D barcode (Pevnar 20), it has been recorded in the SUT and is visible to SUT users. This was performed in Test Step 3.7.1.

Daniela Jennifer Wyatt is the practitioner.

Post-Condition

The newly administered vaccine doses are visible in the SUT and the IIS.

Go to the Step 5.2.1 and then repeat the transmit 5.1.1 to receive and process the additional ACKs with issues to be processed by the SUT.

Test Objectives

To test the ability that the SUT is able to send newly administration vaccine doses to the IIS.

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 mother's maiden name, patient full middle name, next of kin, next of kin full middle name.

Support for both phone number and email of patient and first next of kin.

Support for patient consent

Support for VIS, funding source and VFC data

Support for Telecommunication Equipment Type

Evaluation Criteria

The IIS received a single VXU message with multiple RXA segments from the SUT containing newly administered vaccine doses recorded in the SUT.

The IIS received a single VXU message with multiple OBX segments from the SUT containing VFC 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.

The VXU content should match the information displayed below: (DOB and actual dates of administration must be present but are not evaluated)

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.

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|---|--|
| Patient Information | |
| Element | Data |
| Patient Name | Lance Gaige Duncan, Jr. |
| Mother s Maiden Name | King |
| ID Number | 1111 |
| Date/Time of Birth | Use the HIMSS IIP Test Plan v11.0 Job Aid Today (day of test) the patient is 0 years, 1 months, and 17 days old |
| Administrative Sex | Male |
| Patient Address | 749 Evergreen Ter. Unit A Springfield, OR 97477 USA |
| Phone Number | (541) 555-1111 (Cellular Phone = CP) |
| E-mail Address | IIPMP@gmail.com |
| Race | American Indian or Alaska Native |
| Ethnic Group | Not Hispanic or Latino |
| Multiple Birth Indicator | No |
| Birth Order | 1 |
| Immunization Registry Information | |
| Element | Data |
| Immunization Registry Status | Active |
| Immunization Registry Status Effective Date | Patient DOB from Job Aid |
| 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 | Ingrid Stacy Duncan |
| Relationship | Mother |
| Address | 749 Evergreen Ter. Unit A Springfield, OR 97477 USA |
| Phone Number | (541) 555-1111 (Cellular Phone = CP) |
| E-mail Address | IIPMP@gmail.com |
| Guardian or Responsible Party - 2 | |
| Element | Data |
| Name | Simon Isaiah Duncan, Sr |
| Relationship | Father |
| Address | 749 Evergreen Ter. Unit A Springfield, OR 97477 USA |
| Phone Number | (541) 555-1233 (Cellular Phone = CP) |
| Vaccine Administration Information -1 | |
| Element | Data |
| Administered Vaccine | PEDIARIX |
| Date/Time Start of Administration | Today's date |
| Administered Amount | 0.5 |
| Administered Units | mL |

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| Administration Notes | New immunization record |
| Administering Provider | Daniela Jennifer Wyatt |
| Substance Lot Number | IIPVAXN01 |
| 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 | Left Vastus Lateralis |
| Entering Organization | Oregon Family Medicine |
| Entered By | Daniela Jennifer Wyatt |
| Ordered By | Ramon Michael Bradshaw |
| | |
| Observations | |
| Element | Data |
| Vaccine Funding Source | Public |
| Vaccine Program Eligibility | VFC eligible - American Indian/Alaskan Native |
| Document Type | Multi Pediatric Vaccines VIS - 7/24/2023 |
| Date VIS Presented | Today's date |
| | |
| Vaccine Administration Information - 2 | |
| Element | Data |
| Administered Vaccine | ActHIB |
| Date/Time Start of Administration | Today's date |
| Administered Amount | 0.5 |
| Administered Units | mL |
| Administration Notes | New immunization record |
| Administering Provider | Daniela Jennifer Wyatt |
| Substance Lot Number | IIPVAXN05 |
| Substance Expiration Date | 09/27/2029 |
| Substance Manufacturer Name | sanofi pasteur |
| Substance/Treatment Refusal Reason | |
| Completion Status | Complete |
| Action Code | Add/Insert |
| Route | INTRAMUSCULAR |
| Administration Site | Right Vastus Lateralis |
| Entering Organization | Oregon Family Medicine |
| Entered By | Daniela Jennifer Wyatt |
| Ordered By | Ramon Michael Bradshaw |
| | |
| Observations | |
| Element | Data |
| Vaccine Funding Source | Public |
| Vaccine Program Eligibility | VFC eligible - American Indian/Alaskan Native |
| Document Type | Haemophilus Influenzae type b (Hib) Vaccine VIS |
| Date VIS Presented | Today's date |
| | |
| Vaccine Administration Information - 3 | |
| Element | Data |
| Administered Vaccine | Rotarix |
| Date/Time Start of Administration | Today's date |
| Administered Amount | 1 |
| Administered Units | mL |
| Administration Notes | New immunization record |

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| Administering Provider | |
| Substance Lot Number | IIPVAXN07 |
| Substance Expiration Date | 09/27/2029 |
| Substance Manufacturer Name | GlaxoSmithKline |
| Substance/Treatment Refusal Reason | |
| Completion Status | Complete |
| Action Code | Add/Insert |
| Route | ORAL |
| Administration Site | N/A |
| Entering Organization | Oregon Family Medicine |
| Entered By | Daniela Jennifer Wyatt |
| Ordered By | Ramon Michael Bradshaw |
| | |
| Observations | |
| Element | Data |
| Vaccine Funding Source | Public |
| Vaccine Program Eligibility | VFC eligible - American Indian/Alaskan Native |
| Document Type | Haemophilus Influenzae type b (Hib) Vaccine VIS |
| Date VIS Presented | Today's date |
| | |
| Vaccine Administration Information - 4 | |
| Element | Data |
| Administered Vaccine | Prevnar 20 |
| Date/Time Start of Administration | Today's date |
| Administered Amount | 0.5 |
| Administered Units | mL |
| Administration Notes | New immunization record |
| Administering Provider | Daniela Jennifer Wyatt |
| Substance Lot Number | LLBUAYMO68 |
| Substance Expiration Date | 09/27/2029 |
| Substance Manufacturer Name | Pfizer, Inc |
| 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 | |
| Element | Data |
| Vaccine Funding Source | Public |
| Vaccine Program Eligibility | VFC eligible - American Indian/Alaskan Native |
| Document Type | Pneumococcal Conjugate Vaccine (PCV13_PCV15_PCV20) 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>